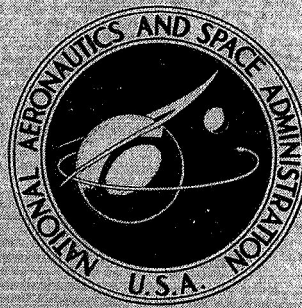


**NASA TECHNICAL
MEMORANDUM**



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**WIND-TUNNEL PRESSURE DATA
AT MACH NUMBERS FROM 1.6 TO 4.63
FOR A SERIES OF BODIES OF REVOLUTION
AT ANGLES OF ATTACK FROM -4° TO 60°**

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15. Supplementary Notes

16. Abstract

The tabulated results of pressure tests conducted in the Langley Unitary Plan wind tunnel are presented without analysis. The data were obtained for a series of six bodies of revolution at Mach numbers of 1.6, 2.3, 2.96, and 4.63 for angles of attack from -4° to 60° . The Reynolds number used for these tests was 6.6×10^6 per meter (2.0×10^6 per foot).

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SUMMARY

The tabulated results of pressure tests conducted in the Langley Unitary Plan wind tunnel are presented without analysis. The data were obtained for a series of six bodies of revolution at Mach numbers of 1.6, 2.3, 2.96, and 4.63 for angles of attack from -4° to 60° . The Reynolds number used for these tests was 6.6×10^6 per meter (2.0×10^6 per foot).

INTRODUCTION

Theoretical aerodynamicists are continually seeking consistent and accurate experimental data to evaluate both their theories and their computational methods. However, at the present time there is a lack of available, consistent experimental data on bodies of revolution at high angles of attack for both subsonic and supersonic speeds. Most of the existing high angle-of-attack data, particularly pressure data, have been obtained on specific missile configurations. Typically, these missile data include the effects of control surfaces and receive limited distribution because of proprietary and/or security classification. In order to provide the theoretician with a consistent set of referenceable, high angle-of-attack data at both subsonic and supersonic speeds, a series of six body-of-revolution wind-tunnel models which can be described analytically has been designed. The various body shapes were selected to provide insight into the effects of nose bluntness, variations in midsection slope, and afterbody closure.

A test program has been initiated to provide pressure, force, and flow-visualization data at high angles of attack for both subsonic and supersonic speeds. The purpose of this report is to present, without analysis, the tabulated results of pressure tests conducted at supersonic speeds in the Langley Unitary Plan wind tunnel. Data were obtained at Mach numbers of 1.6, 2.3, 2.96, and 4.63 for angles of attack from -4° to 60° . The Reynolds number used for these tests was 6.6×10^6 per meter (2.0×10^6 per foot).

SYMBOLS

C_p pressure coefficient, $\frac{p_l - p_{\infty}}{q_{\infty}}$ (CP in computer-generated tables)

l body length, 50.8 cm (20 in.) (L in computer-generated tables)

M_∞	free-stream Mach number
p_l	local pressure, N/m^2
p_t	tunnel stagnation pressure, N/m^2
p_∞	free-stream static pressure, N/m^2
q_∞	free-stream dynamic pressure, N/m^2
r	body radius, cm
x	longitudinal distance along body axis measured from nose, cm (X in computer-generated tables)
α	angle of attack, deg (ALPHA in computer-generated tables)
θ	circumferential angle (measured clockwise looking aft), deg (THETA in computer-generated tables)

MODELS

Model Design and Description

Simple body shapes which could be defined analytically were considered most useful for developing a subsonic/supersonic experimental data base. Six models representing various amounts of nose bluntness, midsection slope, and afterbody closure were designed (fig. 1); each had a circular cross section.

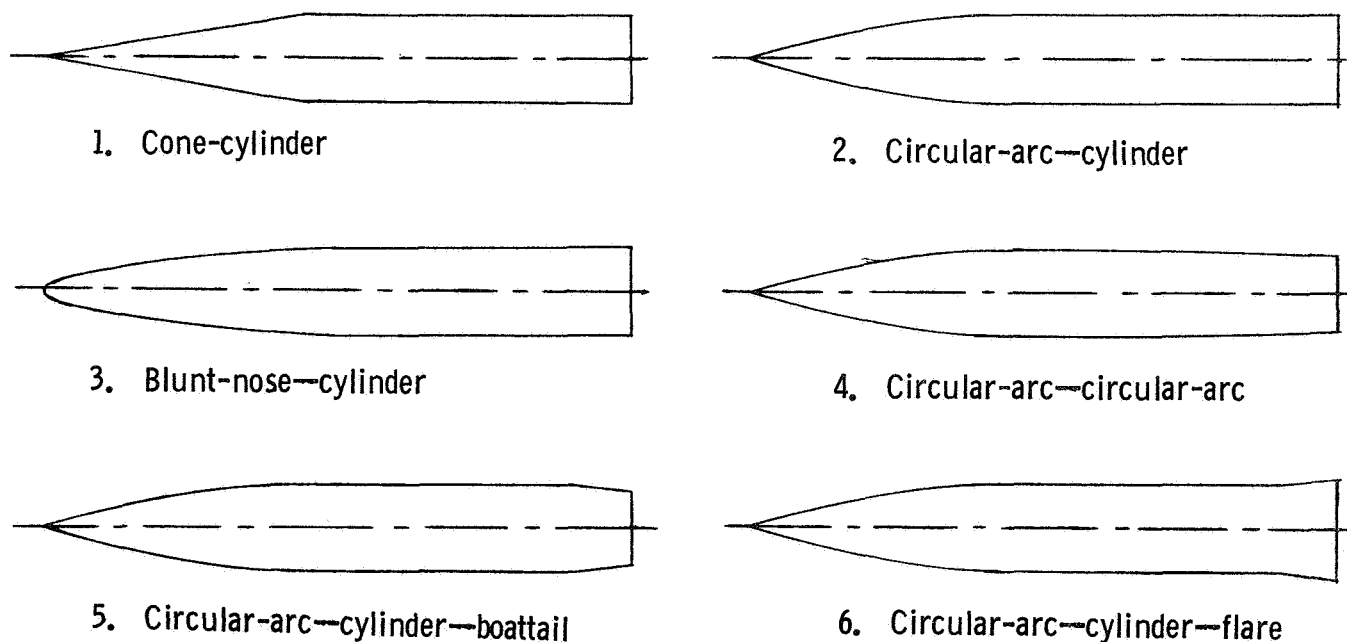


Figure 1.- Model schematic diagrams.

Meridian lines for each of the models are described as follows:

1. Cone-cylinder

$$r/l = 0.16667x/l \quad (0 < x/l < 0.45)$$

$$r/l = 0.075 \quad (0.45 < x/l < 1.0)$$

2. Circular-arc--cylinder

$$r/l = \sqrt{(1.3125)^2 + (x/l)(0.9 - x/l)} - 1.3125 \quad (0 < x/l < 0.45)$$

$$r/l = 0.075 \quad (0.45 < x/l < 1.0)$$

3. Blunt-nose--cylinder

$$r/l = 0.1118(x/l)^{1/2} \quad (0 < x/l < 0.45)$$

$$r/l = 0.075 \quad (0.45 < x/l < 1.0)$$

4. Circular-arc--circular-arc

$$r/l = \sqrt{(1.3125)^2 + (x/l)(0.9 - x/l)} - 1.3125 \quad (0 < x/l < 0.45)$$

$$r/l = \sqrt{(14.41)^2 - (x/l - 0.45)^2} - 14.335 \quad (0.45 < x/l < 1.0)$$

5. Circular-arc--cylinder--boattail

$$r/l = \sqrt{(1.3125)^2 + (x/l)(0.9 - x/l)} - 1.3125 \quad (0 < x/l < 0.45)$$

$$r/l = 0.075 \quad (0.45 < x/l < 0.9)$$

$$r/l = 0.075 - 0.105(x/l - 0.9) \quad (0.9 < x/l < 1.0)$$

6. Circular-arc--cylinder--flare

$$r/l = \sqrt{(1.3125)^2 + (x/l)(0.9 - x/l)} - 1.3125 \quad (0 < x/l < 0.45)$$

$$r/l = 0.075 \quad (0.45 < x/l < 0.9)$$

$$r/l = 0.075 + 0.105(x/l - 0.9) \quad (0.9 < x/l < 1.0)$$

Model Instrumentation

Each of the models had 192 pressure taps located in groups of 16 around the body at 12 longitudinal stations. The circumferential angles were measured clockwise looking aft with 0° at the top (leeward side at the angle of attack). A typical example of the instrumentation is shown in figure 2.

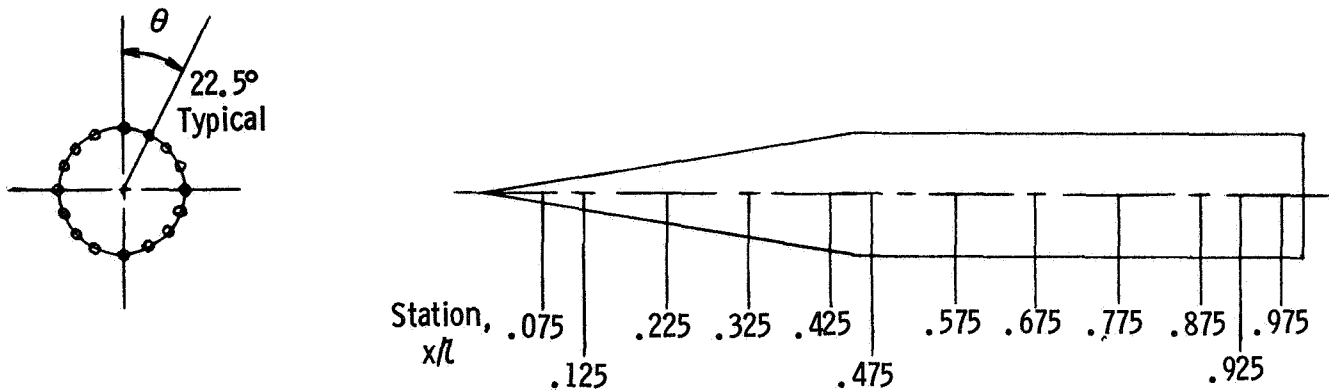


Figure 2.- Typical model orifice locations.

TESTS

Tunnel Description

Tests were conducted in the high and low Mach number test sections of the Langley Unitary Plan wind tunnel, which is a variable Mach number, variable-pressure, continuous-flow tunnel. For a detailed description of the facility, see reference 1.

Test Measurements

All tests were conducted at a free-stream Reynolds number of 6.6×10^6 per meter (2.0×10^6 per foot). The stagnation temperature was maintained at 338 K (150° F) for Mach numbers of 1.6, 2.3, and 2.96 and at 352 K (175° F) for a Mach number of 4.63. No transition strips were applied to the models. Other tunnel parameters were as follows:

M_∞	q_∞		P_t		P_∞	
	kN/m ²	lbf/ft ²	kN/m ²	lbf/ft ²	kN/m ²	lbf/ft ²
1.6	23	482	55	1143	13	269
2.3	22	453	73	1529	6	122
2.96	18	385	104	2170	3	63
4.63	11	233	253	5280	.8	16

The models were sting-mounted on the tunnel support system at a sideslip angle of 0°. The angle of attack was measured by an accelerometer located inside the model. In order to correct for test-section flow angularity, an angle of attack of 0° was obtained by adjusting the angle of attack until symmetric axial pressure distributions were produced by the top and bottom rows of orifices. The range of angle of attack was from -4° to 60°. Dewpoint was maintained below 239 K (-29° F) to insure negligible condensation effects.

Pressures were measured by six scanning valves. The accuracy of the scanning-valve system is about 1/2 percent of the gage range. When expressed as a pressure coefficient, this accuracy varies from 0.007 at a Mach number of 1.6 to 0.015 at a Mach number of 4.63.

PRESENTATION OF RESULTS

Results of the pressure tests are presented in tabular form as follows:

Table	Model	M_∞	Table	Model	M_∞
I(a)	Cone-cylinder	1.6	IV(a)	Circular-arc—circular-arc	1.6
I(b)		2.3	IV(b)		2.3
I(c)		2.96	IV(c)		2.96
I(d)		4.63	IV(d)		4.63
II(a)	Circular-arc—cylinder	1.6	V(a)	Circular-arc—cylinder—boattail	1.6
II(b)		2.3	V(b)		2.3
II(c)		2.96	V(c)		2.96
II(d)		4.63	V(d)		4.63
III(a)	Blunt-nose—cylinder	1.6	VI(a)	Circular-arc—cylinder—flare	1.6
III(b)		2.3	VI(b)		2.3
III(c)		2.96	VI(c)		2.96
III(d)		4.63	VI(d)		4.63

No analysis of the data is made.

Langley Research Center
 National Aeronautics and Space Administration
 Hampton, VA 23665
 July 27, 1977

REFERENCE

- Schaefer, William T., Jr.: Characteristics of Major Active Wind Tunnels at the Langley Research Center. NASA TM X-1130, 1965.

TABLE I.- PRESSURE COEFFICIENTS FOR CONE-CYLINDER MODEL

(a) $M_\infty = 1.6$

ALPHA = -4.0 DEG													
THETA, DEG	.075	.125	.225	.325	.425	CP FOR .475	X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.1522	.1634	.1740	.1641	.1683	-.0795	-.0462	-.0257	-.0127	-.0096	-.0066	-.0047	0.00
22.50	.1615	.1639	.1589	.1591	.1611	-.0899	-.0508	-.0295	-.0175	-.0098	-.0118	-.0075	22.50
45.00	.1415	.1514	.1427	.1429	.1455	-.1015	-.0571	-.0414	-.0259	-.0164	-.0238	-.0182	45.00
67.50	.1239	.1310	.1230	.1227	.1268	-.1165	-.0695	-.0535	-.0364	-.0280	-.0312	-.0223	67.50
90.00	.1043	.1133	.1029	.1018	.1099	-.1332	-.0783	-.0556	-.0382	-.0291	-.0298	-.0227	90.00
112.50	.0855	.0997	.0816	.0847	.0936	-.1377	-.0848	-.0541	-.0333	-.0239	-.0242	-.0219	112.50
135.00	.0642	.0853	.0638	.0696	.0857	-.1370	-.0734	-.0406	-.0255	-.0158	-.0145	-.0111	135.00
157.50	.0760	.0815	.0526	.0633	.0832	-.1444	-.0771	-.0351	-.0173	-.0090	-.0101	-.0070	157.50
180.00	.0809	.0815	.0819	.0809	.0841	-.1431	-.0794	-.0379	-.0151	-.0054	-.0045	-.0054	180.00
202.50	.0804	.0857	.0840	.0830	.0829	-.1452	-.0761	-.0367	-.0163	-.0078	-.0068	-.0079	202.50
225.00	.0841	.0843	.0848	.0821	.0857	-.1424	-.0818	-.0426	-.0235	-.0119	-.0125	-.0095	225.00
247.50	.0868	.0848	.0822	.0856	.0918	-.1392	-.0889	-.0531	-.0324	-.0189	-.0238	-.0219	247.50
270.00	.1073	.1103	.1047	.1074	.1049	-.1294	-.0835	-.0568	-.0374	-.0255	-.0299	-.0252	270.00
292.50	.1207	.1304	.1248	.1255	.1242	-.1155	-.0713	-.0504	-.0340	-.0229	-.0251	-.0235	292.50
315.00	.1456	.1513	.1458	.1473	.1461	-.1012	-.0597	-.0405	-.0291	-.0176	-.0177	-.0178	315.00
337.50	.1637	.1600	.1627	.1617	.1617	-.0896	-.0480	-.0287	-.0198	-.0125	-.0125	-.0086	337.50

ALPHA = 0 DEG													
THETA, DEG	.075	.125	.225	.325	.425	CP FOR .475	X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.1065	.1111	.1110	.1147	.1235	-.1082	-.0658	-.0367	-.0168	-.0168	-.0085	-.0088	0.00
22.50	.1190	.1211	.1140	.1157	.1219	-.1183	-.0617	-.0387	-.0178	-.0075	-.0105	-.0054	22.50
45.00	.1154	.1218	.1103	.1131	.1199	-.1207	-.0643	-.0385	-.0195	-.0087	-.0132	-.0079	45.00
67.50	.1145	.1244	.1142	.1124	.1174	-.1202	-.0663	-.0387	-.0221	-.0119	-.0129	-.0064	67.50
90.00	.1145	.1202	.1130	.1126	.1153	-.1189	-.0675	-.0403	-.0209	-.0118	-.0122	-.0051	90.00
112.50	.1109	.1132	.1148	.1182	.1144	-.1185	-.0672	-.0441	-.0187	-.0127	-.0108	-.0087	112.50
135.00	.1168	.1165	.1172	.1197	.1184	-.1151	-.0588	-.0379	-.0178	-.0107	-.0067	-.0062	135.00
157.50	.1090	.1163	.1173	.1207	.1202	-.1219	-.0648	-.0384	-.0171	-.0091	-.0082	-.0069	157.50
180.00	.1146	.1148	.1162	.1199	.1220	-.1214	-.0713	-.0419	-.0169	-.0098	-.0056	-.0080	180.00
202.50	.1115	.1228	.1226	.1220	.1195	-.1214	-.0641	-.0350	-.0162	-.0097	-.0059	-.0069	202.50
225.00	.1234	.1214	.1233	.1278	.1200	-.1209	-.0661	-.0353	-.0186	-.0069	-.0078	-.0035	225.00
247.50	.1120	.1211	.1211	.1222	.1184	-.1223	-.0680	-.0391	-.0186	-.0072	-.0116	-.0101	247.50
270.00	.1173	.1202	.1177	.1171	.1167	-.1189	-.0673	-.0402	-.0208	-.0097	-.0114	-.0099	270.00
292.50	.1132	.1208	.1140	.1153	.1189	-.1182	-.0658	-.0387	-.0200	-.0075	-.0087	-.0081	292.50
315.00	.1158	.1203	.1158	.1188	.1213	-.1156	-.0682	-.0377	-.0204	-.0072	-.0126	-.0075	315.00
337.50	.1127	.1225	.1179	.1160	.1223	-.1135	-.0651	-.0348	-.0194	-.0090	-.0126	-.0077	337.50

ALPHA = 4.0 DEG													
THETA, DEG	.075	.125	.225	.325	.425	CP FOR .475	X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.0702	.0798	.0743	.0780	.0877	-.1288	-.0734	-.0354	-.0121	-.0064	-.0085	-.0070	0.00
22.50	.0827	.0847	.0773	.0804	.0864	-.1397	-.0746	-.0385	-.0163	-.0064	-.0114	-.0060	22.50
45.00	.0843	.0848	.0806	.0847	.0906	-.1422	-.0788	-.0448	-.0219	-.0114	-.0152	-.0122	45.00
67.50	.0906	.0975	.0893	.0900	.1005	-.1399	-.0808	-.0576	-.0285	-.0198	-.0197	-.0151	67.50
90.00	.1044	.1108	.1026	.1025	.1093	-.1286	-.0757	-.0525	-.0344	-.0240	-.0228	-.0168	90.00
112.50	.1200	.1218	.1217	.1262	.1228	-.1140	-.0708	-.0533	-.0324	-.0247	-.0215	-.0189	112.50
135.00	.1433	.1417	.1448	.1461	.1439	-.0949	-.0510	-.0415	-.0261	-.0194	-.0152	-.0109	135.00
157.50	.1455	.1480	.1476	.1555	.1584	-.0912	-.0485	-.0327	-.0165	-.0119	-.0109	-.0071	157.50
180.00	.1607	.1600	.1617	.1662	.1688	-.0871	-.0497	-.0294	-.0139	-.0101	-.0055	-.0051	180.00
202.50	.1600	.1600	.1587	.1623	.1591	-.0902	-.0497	-.0294	-.0194	-.0105	-.0074	-.0068	202.50
225.00	.1467	.1488	.1436	.1510	.1469	-.0973	-.0591	-.0379	-.0259	-.0119	-.0124	-.0070	225.00
247.50	.1220	.1274	.1211	.1287	.1296	-.1111	-.0718	-.0497	-.0309	-.0180	-.0212	-.0199	247.50
270.00	.1089	.1113	.1023	.1053	.1156	-.1192	-.0784	-.0552	-.0347	-.0228	-.0224	-.0215	270.00
292.50	.0857	.0950	.0874	.0906	.1018	-.1293	-.0801	-.0520	-.0277	-.0188	-.0159	-.0170	292.50
315.00	.0846	.0888	.0791	.0849	.0936	-.1346	-.0819	-.0454	-.0212	-.0124	-.0145	-.0131	315.00
337.50	.0778	.0849	.0768	.0794	.0897	-.1352	-.0787	-.0377	-.0149	-.0054	-.0126	-.0092	337.50

TABLE I.- Continued

(a) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0422	.0460	.0468	.0545	.0594	-.1494	-.0741	-.0316	-.0065	-.0041	-.0057	-.0022	0.00
22.50	.0486	.0501	.0434	.0544	.0554	-.1600	-.0821	-.0382	-.0165	-.0134	-.0182	-.0161	22.50
45.00	.0454	.0489	.0415	.0496	.0509	-.1631	-.1031	-.0566	-.0311	-.0233	-.0244	-.0229	45.00
67.50	.0478	.0547	.0469	.0492	.0599	-.1623	-.1204	-.0856	-.0577	-.0473	-.0456	-.0367	67.50
90.00	.0706	.0783	.0710	.0721	.0814	-.1434	-.1172	-.0971	-.0772	-.0674	-.0660	-.0563	90.00
112.50	.1131	.1138	.1190	.1235	.1171	-.1161	-.0894	-.0835	-.0694	-.0646	-.0600	-.0552	112.50
135.00	.1635	.1615	.1647	.1722	.1692	-.0789	-.0429	-.0445	-.0397	-.0367	-.0352	-.0281	135.00
157.50	.1893	.2037	.2021	.2104	.2091	-.0568	-.0205	-.0157	-.0095	-.0076	-.0092	-.0040	157.50
180.00	.2182	.2163	.2177	.2257	.2270	-.0456	-.0114		-.0003	.0047	.0055	.0052	180.00
202.50	.2031	.2096	.2039	.2113	.2116	-.0528	-.0215	-.0109	-.0116	-.0059	-.0042	-.0052	202.50
225.00	.1740	.1734	.1679	.1763	.1759	-.0769	-.0514	-.0413	-.0400	-.0283	-.0311	-.0265	225.00
247.50	.1192	.1195	.1163	.1243	.1274	-.1108	-.0898	-.0821	-.0694	-.0577	-.0587	-.0557	247.50
270.00	.0796	.0791	.0720	.0757	.0873	-.1371	-.1145	-.1011	-.0798	-.0683	-.0641	-.0618	270.00
292.50	.0516	.0558	.0469	.0533	.0613	-.1574	-.1177	-.0873	-.0599	-.0482	-.0432	-.0391	292.50
315.00	.0463	.0481	.0404	.0490	.0546	-.1599	-.1032	-.0591	-.0326	-.0256	-.0251	-.0230	315.00
337.50	.0459	.0494	.0438	.0513	.0567	-.1570	-.0813	-.0398	-.0173	-.0155		-.0187	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0224	.0287	.0271	.0301	.0362	-.1731	-.0758	-.0332	-.0033	-.0010	.0002	-.0011	0.00
22.50	.0135	.0127	.0153	.0222	.0274	-.1642	-.0908	-.0515	-.0428	-.0473	-.0597	-.0600	22.50
45.00	.0095	.0096	-.0012	.0050	.0087	-.1890	-.1308	-.0746	-.0493	-.0419	-.0442	-.0435	45.00
67.50	-.0013	.0024	-.0074	-.0122	-.0000	-.2016	-.1778	-.1521	-.1057	-.0780	-.0705	-.0574	67.50
90.00	.0221	.0286	.0247	.0187	.0261	-.1799	-.1711	-.1752	-.1771	-.1493	-.1372	-.1162	90.00
112.50	.0989	.0946	.1040	.1032	.0988	-.1277	-.1174	-.1235	-.1275	-.1433	-.1429	-.1308	112.50
135.00	.1914	.1841	.1915	.1944	.1921	-.0592	-.0394	-.0422	-.0503	-.0586	-.0616	-.0610	135.00
157.50	.2457	.2596	.2613	.2645	.2676	-.0176	.0156	.0128	.0072	.0084	.0053	.0061	157.50
180.00	.2918	.2846	.2889	.2940	.2988	.0020	.0389		.0336	.0377	.0337	.0284	180.00
202.50	.2631	.2675	.2651	.2707	.2733	-.0117	.0192	.0162	.0146	.0146	.0109	.0057	202.50
225.00	.2043	.2007	.1980	.2043	.2041	-.0581	-.0377	-.0415	-.0474	-.0452	-.0552	-.0564	225.00
247.50	.1103	.1049	.1038	.1111	.1126	-.1245	-.1126	-.1215	-.1242	-.1358	-.1384	-.1316	247.50
270.00	.0369	.0336	.0262	.0265	.0341	-.1729	-.1690	-.1755	-.1768	-.1549	-.1420	-.1272	270.00
292.50	-.0009	.0031	-.0109	-.0083	.0021	-.1993	-.1774	-.1561	-.1073	-.0855	-.0670	-.0590	292.50
315.00	.0071	.0099	-.0047	.0050	.0107	-.1913	-.1312	-.0803	-.0484	-.0460	-.0427	-.0402	315.00
337.50	.0160	.0112	.0150	.0211	.0285	-.1656	-.0891	-.0566	-.0452	-.0570		-.0642	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0103	.0190	.0137	.0129	.0141	-.1994	-.0906	-.0403	-.0142	-.0112	-.0123	-.0143	0.00
22.50	-.0433	-.0430	-.0518	-.0420	-.0079	-.1757	-.1093	-.0708	-.0779	-.0929	-.1058	-.1119	22.50
45.00	-.0409	-.0382	-.0469	-.0256	-.0280	-.2170	-.1606	-.0996	-.0789	-.0936	-.1224	-.1448	45.00
67.50	-.0556	-.0523	-.0664	-.0866	-.0738	-.2525	-.2558	-.2684	-.1945	-.1479	-.1388	-.1147	67.50
90.00	-.0437	-.0334	-.0417	-.0495	-.0383	-.2284	-.2367	-.2600	-.2865	-.2552	-.1863	-.1328	90.00
112.50	.0845	.0760	.0817	.0796	.0837	-.1468	-.1448	-.1572	-.1749	-.1918	-.1968	-.1999	112.50
135.00	.2219	.2140	.2205	.2221	.2226	-.0426	-.0264	-.0334	-.0492	-.0611	-.0625	-.0655	135.00
157.50	.3131	.3324	.3291	.3324	.3328	.0359	.0657	.0547	.0470	.0434	.0400	.0384	157.50
180.00	.3786	.3710	.3712	.3778	.3808	.0635	.1008		.0862	.0859	.0805	.0788	180.00
202.50	.3350	.3429	.3331	.3413	.3425	.0372	.0745	.0572	.0554	.0516	.0448	.0408	202.50
225.00	.2387	.2373	.2282	.2346	.2358	-.0392	-.0164	-.0312	-.0411	-.0472	-.0546	-.0579	225.00
247.50	.1011	.0921	.0851	.0907	.0898	-.1388	-.1371	-.1519	-.1621	-.1827	-.1881	-.1928	247.50
270.00	-.0192	-.0298	-.0392	-.0443	-.0375	-.2196	-.2315	-.2546	-.2767	-.2918	-.2595	-.1978	270.00
292.50	-.0616	-.0559	-.0848	-.0923	-.0802	-.2502	-.2610	-.2810	-.1895	-.1195	-.1277	-.1197	292.50
315.00	-.0423	-.0407	-.0420	-.0397	-.0350	-.2198	-.1633	-.1057	-.0869	-.1021	-.1169	-.1110	315.00
337.50	-.0413	-.0446	-.0545	-.0080	.0024	-.1732	-.1154	-.0870	-.0857	-.1046		-.1265	337.50

TABLE I.- Continued

(a) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0133	.0027	-.0053	-.0164	-.0028	-.2145	-.1199	-.0657	-.0491	-.0563	-.0589	-.0554	0.00
22.50	-.1018	-.1163	-.1166	-.1092	-.1041	-.2416	-.1278	-.0780	-.1102	-.1700	-.2049	-.2330	22.50
45.00	-.0987	-.0909	-.1097	-.0928	-.0543	-.2150	-.1994	-.2033	-.2749	-.2742	-.2574	-.2257	45.00
67.50	-.1036	-.0958	-.1102	-.1283	-.1639	-.3129	-.3161	-.2927	-.2363	-.1747	-.1588	-.1350	67.50
90.00	-.1157	-.1001	-.1130	-.1181	-.1068	-.2779	-.2913	-.3155	-.3171	-.2035	-.1654	-.1345	90.00
112.50	.0658	.0605	.0651	.0621	.0648	-.1589	-.1534	-.1743	-.1926	-.2074	-.2129	-.2158	112.50
135.00	.2556	.2521	.2587	.2598	.2630	-.0169	.0048	-.0113	-.0288	-.0391	-.0423	-.0458	135.00
157.50	.3857	.4137	.4072	.4097	.4160	.3908	.1305	.1103	.1021	.0941	.0924	.0914	157.50
180.00	.4722	.4696	.4666	.4700	.4802	.1317	.1772	.1552	.1552	.1485	.1442	.1445	180.00
202.50	.4150	.4280	.4145	.4171	.4238	.0985	.1375	.1147	.1128	.1003	.0978	.0963	202.50
225.00	.2784	.2877	.2736	.2738	.2751	-.0057	.0141	-.0065	-.0147	-.0272	-.0325	-.0348	225.00
247.50	.0917	.0769	.0748	.0796	.0764	-.1413	-.1473	-.1670	-.1762	-.1971	-.2022	-.2074	247.50
270.00	-.0799	-.0985	-.1039	-.1097	-.1054	-.2659	-.2828	-.3078	-.3245	-.2537	-.2079	-.1698	270.00
292.50	-.1184	-.1059	-.1223	-.1587	-.1856	-.3252	-.3273	-.3120	-.2303	-.1811	-.1727	-.1485	292.50
315.00	-.1027	-.1023	-.1056	-.0981	-.0598	-.2161	-.2224	-.2211	-.2601	-.2172	-.1993	-.1904	315.00
337.50	-.1061	-.1101	-.1043	-.0649	-.0731	-.2135	-.1408	-.1011	-.1506	-.2285		-.2884	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0425	-.0125	-.0374	-.0285	-.0077	-.2383	-.1707	-.1222	-.1340	-.1436	-.1459	-.1492	0.00
22.50	-.1601	-.1801	-.1698	-.1851	-.1745	-.2815	-.1631	-.1412	-.2224	-.2810	-.2988	-.2984	22.50
45.00	-.1642	-.1568	-.1697	-.1661	-.0886	-.2562	-.3075	-.3261	-.2886	-.2433	-.2249	-.2199	45.00
67.50	-.1589	-.1497	-.1655	-.1682	-.2074	-.3481	-.3202	-.2684	-.2423	-.1833	-.1714	-.1546	67.50
90.00	-.1732	-.1614	-.1695	-.1722	-.1626	-.3145	-.3183	-.3384	-.2833	-.1997	-.1781	-.1579	90.00
112.50	.0637	.0617	.0635	.0623	.0692	-.1615	-.1538	-.1739	-.1921	-.2049	-.2096	-.2106	112.50
135.00	.3059	.3037	.3048	.3078	.3159	.0164	.0433	.0222	.0047	-.0061	-.0067	-.0083	135.00
157.50	.4734	.5035	.4926	.4937	.5037	.1533	.2016	.1758	.1678	.1565	.1560	.1551	157.50
180.00	.5732	.5727	.5677	.5692	.5819	.2075	.2598	.2329	.2218	.2223	.2225	.2225	180.00
202.50	.5041	.5198	.5040	.5060	.5150	.1650	.2077	.1822	.1789	.1645	.1641	.1628	202.50
225.00	.3299	.3385	.3237	.3255	.3326	.0293	.0544	.0307	.0197	.0109	.0036	.0024	225.00
247.50	.0986	.0927	.0765	.0856	.0852	-.1436	-.1424	-.1665	-.1775	-.1924	-.1973	-.2013	247.50
270.00	-.1276	-.1418	-.1571	-.1561	-.1511	-.2980	-.3075	-.3286	-.3057	-.2494	-.2269	-.2150	270.00
292.50	-.1760	-.1653	-.1841	-.1840	-.2226	-.3548	-.3239	-.2771	-.2439	-.2141	-.1865	-.1848	292.50
315.00	-.1676	-.1679	-.1959	-.1473	-.1030	-.2628	-.3313	-.3153	-.2578	-.2354	-.2395	-.2218	315.00
337.50	-.1866	-.1965	-.1632	-.1947	-.1858	-.2952	-.1888	-.1776	-.2853	-.3412		-.2502	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0658	-.0476	-.0702	-.0472	-.0556	-.2691	-.2579	-.1954	-.2003	-.1865	-.1553	-.1460	0.00
22.50	-.2258	-.2235	-.2331	-.2468	-.2215	-.3186	-.2417	-.2624	-.2981	-.2455	-.2420	-.2515	22.50
45.00	-.2080	-.1968	-.2240	-.2047	-.2064	-.3391	-.2948	-.2773	-.2309	-.2253	-.2156	-.1993	45.00
67.50	-.2033	-.1982	-.2099	-.2035	-.2159	-.3504	-.2901	-.2480	-.2377	-.1995	-.1936	-.1730	67.50
90.00	-.1983	-.1871	-.1929	-.1934	-.1835	-.3306	-.3253	-.3276	-.2685	-.2265	-.2165	-.2015	90.00
112.50	.0761	.0758	.0746	.0758	.0795	-.1556	-.1416	-.1640	-.1770	-.1903	-.1946	-.1950	112.50
135.00	.3637	.3581	.3629	.3686	.3716	.0547	.0923	.0655	.0483	.0380	.0375	.0352	135.00
157.50	.5681	.5974	.5900	.5937	.6009	.2209	.2808	.2505	.2395	.2302	.2307	.2302	157.50
180.00	.6849	.6824	.6797	.6819	.6966	.2875	.3519	.3152	.3072	.3055	.3055	.3062	180.00
202.50	.6043	.6152	.6008	.6024	.6120	.2319	.2891	.2605	.2495	.2378	.2387	.2372	202.50
225.00	.3930	.3996	.3853	.3840	.3901	.0684	.1055	.0794	.0637	.0541	.0506	.0494	225.00
247.50	.1194	.1065	.0936	.1016	.0985	-.1366	-.1255	-.1508	-.1623	-.1770	-.1816	-.1845	247.50
270.00	-.1444	-.1639	-.1767	-.1773	-.1723	-.3144	-.3168	-.3369	-.3353	-.2931	-.2808	-.2759	270.00
292.50	-.2487	-.2372	-.2454	-.2413	-.2517	-.3586	-.3057	-.2966	-.2826	-.2413	-.2464	-.2387	292.50
315.00	-.2415	-.2409	-.2522	-.2387	-.2511	-.3356	-.3209	-.2983	-.2643	-.2795	-.2844	-.2601	315.00
337.50	-.2433	-.2587	-.2490	-.2680	-.2361	-.3407	-.2704	-.3712	-.3400	-.3067		-.3342	337.50

TABLE I.- Continued

(a) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1263	-.0980	-.1063	-.0885	-.0926	-.2927	-.3273	-.2299	-.2640	-.2546	-.2331	-.2347	0.00
22.50	-.2651	-.2679	-.2669	-.2753	-.2581	-.3534	-.3109	-.2452	-.2759	-.2254	-.2195	-.2049	22.50
45.00	-.2380	-.2225	-.2300	-.2119	-.2343	-.3654	-.2650	-.2761	-.2517	-.2273	-.2105	-.1932	45.00
67.50	-.2345	-.2290	-.2311	-.2350	-.2302	-.3659	-.2912	-.2708	-.2403	-.2098	-.2044	-.1872	67.50
90.00	-.2081	-.1976	-.1984	-.2012	-.1924	-.3392	-.3293	-.3079	-.2595	-.2396	-.2399	-.2445	90.00
112.50	.0961	.0943	.1002	.0961	.0999	-.1433	-.1274	-.1455	-.1560	-.1701	-.1693	-.1706	112.50
135.00	.4297	.4180	.4287	.4301	.4330	1.004	.1450	.1187	.1015	.0887	.0932	.0906	135.00
157.50	.6676	.6937	.6939	.6931	.6962	.3019	.3659	.3320	.3223	.3166	.3131	.3135	157.50
180.00	.8013	.7985	.8012	.8008	.8057	.3826	.4521	.4120	.4120	.4010	.4030	.4041	180.00
202.50	.7109	.7145	.7114	.7093	.7055	.3133	.3772	.3415	.3333	.3201	.3218	.3207	202.50
225.00	.4619	.4689	.4559	.4524	.4481	.1154	.1620	.1298	.1176	.1071	.1059	.1048	225.00
247.50	.1468	.1271	.1195	.1294	.1170	-.1227	-.1035	-.1355	-.1398	-.1549	-.1582	-.1594	247.50
270.00	-.1492	-.1718	-.1831	-.1831	-.1800	-.3220	-.3171	-.3286	-.3523	-.3351	-.3267	-.3211	270.00
292.50	-.3334	-.3192	-.3122	-.3160	-.3167	-.3927	-.3548	-.3516	-.3388	-.3054	-.2983	-.2942	292.50
315.00	-.3058	-.3073	-.3085	-.3129	-.3115	-.3766	-.3455	-.3604	-.3219	-.3235	-.3188	-.3038	315.00
337.50	-.3057	-.3160	-.3260	-.3164	-.3222	-.4014	-.3237	-.3607	-.3759	-.3658	-.3506	-.3370	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1896	-.1678	-.1628	-.1614	-.1475	-.3256	-.3573	-.2470	-.2816	-.2313	-.2227	-.2377	0.00
22.50	-.2976	-.3016	-.3132	-.3140	-.3140	-.3911	-.3270	-.3096	-.3460	-.3055	-.3103	-.3001	22.50
45.00	-.2809	-.2739	-.2825	-.2800	-.2859	-.3903	-.3304	-.3142	-.2982	-.2915	-.2834	-.2684	45.00
67.50	-.2870	-.2811	-.2838	-.2787	-.2891	-.3842	-.3362	-.3256	-.2853	-.2625	-.2646	-.2921	67.50
90.00	-.2125	-.1959	-.2024	-.2041	-.2031	-.3450	-.3304	-.3476	-.3115	-.3070	-.3153	-.3054	90.00
112.50	.1198	.1236	.1226	.1189	.1118	-.1269	-.1006	-.1230	-.1334	-.1392	-.1475	-.1505	112.50
135.00	.4958	.4872	.4943	.4960	.4751	.1546	.2035	.1706	.1568	.1490	.1530	.1428	135.00
157.50	.7708	.7988	.7953	.7937	.7698	.3968	.4515	.4143	.4123	.4037	.4065	.3950	157.50
180.00	.9156	.9165	.9191	.9176	.8923	.4955	.5515	.5145	.5145	.5041	.5120	.5023	180.00
202.50	.8197	.8214	.8112	.8071	.7827	.4151	.4651	.4291	.4245	.4114	.4159	.4068	202.50
225.00	.5344	.5403	.5269	.5144	.4960	.1823	.2171	.1876	.1768	.1660	.1686	.1625	225.00
247.50	.1812	.1570	.1514	.1530	.1316	-.3967	-.3614	-.1077	-.1114	-.1259	-.1315	-.1330	247.50
270.00	-.1468	-.1707	-.1801	-.1853	-.1861	-.3219	-.3172	-.3377	-.3445	-.3195	-.3160	-.2978	270.00
292.50	-.3497	-.3384	-.3274	-.3291	-.3307	-.4014	-.3684	-.3657	-.3289	-.2926	-.2803	-.2816	292.50
315.00	-.3210	-.3214	-.3212	-.3232	-.3255	-.3914	-.3745	-.3581	-.3231	-.3207	-.3044	-.2833	315.00
337.50	-.3247	-.3327	-.3364	-.3409	-.3488	-.4180	-.3374	-.3722	-.3785	-.3602	-.3490	-.3490	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1934	-.1797	-.1968	-.1762	-.1781	-.3435	-.3708	-.2424	-.3450	-.2869	-.2869	-.2896	0.00
22.50	-.3428	-.3601	-.3691	-.3711	-.3796	-.4405	-.3330	-.3950	-.3710	-.3489	-.3342	-.3203	22.50
45.00	-.3453	-.3475	-.3477	-.3445	-.3421	-.4121	-.3898	-.3561	-.3249	-.3231	-.3013	-.2956	45.00
67.50	-.3657	-.3661	-.3554	-.3470	-.3486	-.4037	-.3713	-.3536	-.3109	-.2995	-.3048	-.2971	67.50
90.00	-.2148	-.1965	-.2035	-.2070	-.2137	-.3405	-.3275	-.3442	-.3422	-.3234	-.3244	-.3099	90.00
112.50	.1418	.1441	.1452	.1386	.1150	-.3923	-.3070	-.3094	-.1064	-.1133	-.1211	-.1201	112.50
135.00	.5634	.5512	.5583	.5568	.5063	.2449	.2602	.2285	.2230	.2123	.2126	.2086	135.00
157.50	.8728	.8986	.8953	.8939	.8311	.5436	.5443	.5113	.5092	.5017	.4992	.4944	157.50
180.00	1.0351	1.0386	1.0358	1.0328	.9666	.6608	.6563	.6282	.6282	.6199	.6159	.6110	180.00
202.50	.9211	.9276	.9169	.9118	.8461	.5604	.5598	.5291	.5226	.5113	.5106	.5063	202.50
225.00	.6023	.6107	.5943	.5756	.5324	.2817	.2763	.2503	.2402	.2326	.2321	.2280	225.00
247.50	.2060	.1817	.1746	.1819	.1383	-.0551	-.0572	-.0795	-.0820	-.0977	-.1012	-.1039	247.50
270.00	-.1483	-.1685	-.1812	-.1839	-.1968	-.3164	-.3137	-.3247	-.3345	-.3335	-.3384	-.3261	270.00
292.50	-.3376	-.3222	-.3165	-.3152	-.3269	-.3915	-.3677	-.3547	-.3161	-.3116	-.3103	-.3069	292.50
315.00	-.3147	-.3092	-.3138	-.3150	-.3270	-.3981	-.3918	-.3471	-.3289	-.3306	-.3156	-.3038	315.00
337.50	-.3293	-.3334	-.3402	-.3498	-.3694	-.4283	-.3216	-.3847	-.3675	-.3661	-.3292	-.3292	337.50

TABLE I.- Continued

(a) Continued

ALPHA = 44.1 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.2472	-.2455	-.2955	-.3317	-.3638	-.4442	-.3746	-.3690	-.4205	-.3528	-.3234	-.2911	0.00
22.50	-.3782	-.3754	-.3939	-.4030	-.4093	-.4654	-.3981	-.4134	-.3929	-.3214	-.2936	-.2640	22.50
45.00	-.3671	-.3622	-.3751	-.3832	-.3931	-.4373	-.4209	-.3751	-.3359	-.2993	-.2876	-.2651	45.00
67.50	-.3874	-.3785	-.3888	-.3845	-.3867	-.4299	-.4143	-.3661	-.3186	-.2889	-.2733	-.2525	67.50
90.00	-.2140	-.1923	-.2032	-.2084	-.2230	-.3269	-.3205	-.3359	-.3351	-.2935	-.2746	-.2564	90.00
112.50	.1616	.1683	.1621	.1574	.1173	-.0132	-.0501	-.0678	-.0772	-.0844	-.0895	-.0890	112.50
135.00	.6281	.6162	.6180	.6074	.5375	.3489	.3241	.3007	.2810	.2788	.2797	.2764	135.00
157.50	.9673	.9929	.9885	.9780	.8892	.6647	.6395	.6191	.6030	.6008	.6003	.5955	157.50
180.00	1.1484	1.1502	1.1468	1.1348	1.0352	.7939	.7735	.7374	.7331	.7331	.7317	.7278	180.00
202.50	1.0291	1.0299	1.0166	1.0010	.9033	.6791	.6584	.6388	.6232	.6151	.6127	.6085	202.50
225.00	.6808	.6804	.6598	.6286	.5648	.3828	.3427	.3243	.3100	.3064	.3016	.2995	225.00
247.50	.2432	.2137	.2072	.2062	.1442	.0227	-.0244	-.0441	-.0523	-.0639	-.0671	-.0692	247.50
270.00	-.1427	-.1663	-.1771	-.1855	-.2062	-.2757	-.3059	-.3172	-.3282	-.3193	-.3130	-.3005	270.00
292.50	-.3542	-.3495	-.3226	-.3107	-.3122	-.3629	-.3756	-.3654	-.3508	-.3338	-.3242	-.3007	292.50
315.00	-.3357	-.3377	-.3224	-.3149	-.3137	-.3913	-.3886	-.3673	-.3618	-.3368	-.3266	-.2988	315.00
337.50	-.3428	-.3550	-.3523	-.3363	-.3320	-.4237	-.3310	-.3853	-.4134	-.3521	-.3039	-.3039	337.50

ALPHA = 48.2 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.3842	-.4117	-.3626	-.3994	-.4424	-.4563	-.3634	-.2195	-.2246	-.2075	-.2002	-.1828	0.00
22.50	-.3610	-.4473	-.3825	-.3338	-.3324	-.4309	-.3680	-.2938	-.2363	-.2043	-.2003	-.1934	22.50
45.00	-.3647	-.4442	-.3767	-.3309	-.3380	-.3944	-.4002	-.3409	-.2355	-.1964	-.1909	-.1884	45.00
67.50	-.3771	-.4187	-.3773	-.3221	-.3314	-.3786	-.3847	-.3758	-.2037	-.1879	-.1876	-.1903	67.50
90.00	-.2094	-.1904	-.2051	-.2125	-.2225	-.2951	-.3145	-.3020	-.2052	-.1983	-.1993	-.2028	90.00
112.50	.1896	.1918	.1853	.1699	.1224	.0116	-.0213	-.0404	-.0427	-.0495	-.0541	-.0634	112.50
135.00	.6941	.6788	.6754	.6557	.5735	.4126	.3881	.3597	.3512	.3481	.3488	.3306	135.00
157.50	1.0711	1.0921	1.0788	1.0577	.9532	.7626	.7372	.7154	.7060	.6999	.6996	.6774	157.50
180.00	1.2574	1.2569	1.2481	1.2261	1.1183	.9110	.8866	.8571	.8485	.8463	.8261	.8000	180.00
202.50	1.1267	1.1230	1.1086	1.0852	.9770	.7853	.7591	.7335	.7259	.7168	.7151	.6976	202.50
225.00	.7518	.7415	.7211	.6833	.6054	.4483	.4110	.3877	.3774	.3752	.3764	.3650	225.00
247.50	.2762	.2418	.2361	.2253	.1529	.0501	.0074	-.0142	-.0175	-.0252	-.0299	-.0367	247.50
270.00	-.1349	-.1627	-.1765	-.1873	-.2102	-.2655	-.2970	-.2407	-.1300	-.2049	-.2431	-.2084	270.00
292.50	-.3912	-.3062	-.3820	-.4059	-.4194	-.4385	-.3849	-.2526	-.1267	-.1938	-.2245	-.1902	292.50
315.00	-.3822	-.3108	-.3721	-.4335	-.4333	-.4382	-.3949	-.2730	-.1617	-.1998	-.2040	-.1830	315.00
337.50	-.3673	-.3210	-.3894	-.4415	-.4506	-.4555	-.3920	-.2865	-.2170	-.2051	-.1737	-.1737	337.50

ALPHA = 52.4 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.4289	-.4073	-.3571	-.2998	-.2546	-.2396	-.2023	-.1908	-.1748	-.1487	-.1355	-.1211	0.00
22.50	-.3649	-.4368	-.3364	-.2835	-.2494	-.2294	-.1944	-.1896	-.1758	-.1562	-.1388	-.1278	22.50
45.00	-.3665	-.4344	-.3273	-.2798	-.2475	-.2267	-.1915	-.1917	-.1743	-.1495	-.1402	-.1316	45.00
67.50	-.3843	-.4244	-.3108	-.2699	-.2379	-.2272	-.1969	-.1959	-.1752	-.1474	-.1357	-.1315	67.50
90.00	-.2076	-.1924	-.2039	-.2130	-.2286	-.2332	-.2049	-.2035	-.1832	-.1621	-.1525	-.1492	90.00
112.50	.2067	.2043	.2043	.1860	.1363	.0413	.0033	-.0104	-.0120	-.0166	-.0241	-.0400	112.50
135.00	.7478	.7311	.7220	.6987	.6210	.4834	.4526	.4271	.4182	.4140	.4116	.3823	135.00
157.50	1.1542	1.1730	1.1627	1.1373	1.0320	.8699	.8392	.8198	.8091	.8021	.7936	.7545	157.50
180.00	1.3544	1.3547	1.3426	1.3163	1.2067	1.0313	1.0043	.9725	.9624	.9624	.9527	.9125	180.00
202.50	1.2145	1.2093	1.1861	1.1561	1.0527	.8912	.8641	.8399	.8320	.8217	.8112	.7733	202.50
225.00	.8096	.7948	.7758	.7327	.6479	.5161	.4830	.4624	.4547	.4481	.4391	.4103	225.00
247.50	.2958	.2628	.2472	.2408	.1644	.0863	.0378	.0188	.0200	.0069	.0024	-.0182	247.50
270.00	-.1343	-.1628	-.1765	-.1878	-.2129	-.2294	-.1983	-.2070	-.1866	-.1626	-.1562	-.1494	270.00
292.50	-.3994	-.3561	-.3619	-.2967	-.2303	-.2277	-.1949	-.1957	-.1776	-.1498	-.1391	-.1296	292.50
315.00	-.4209	-.3468	-.3617	-.3099	-.2456	-.2317	-.1964	-.1947	-.1756	-.1500	-.1404	-.1294	315.00
337.50	-.4243	-.3534	-.3677	-.3170	-.2576	-.2350	-.1987	-.1915	-.1750	-.1507	-.1266	-.1266	337.50

TABLE I.- Continued

(a) Concluded

ALPHA = 56.8 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.2142	-.1955	-.1488	-.1322	-.1584	-.1723	-.1605	-.1286	-.0934	-.0517	-.0544	-.0665	0.00
22.50	-.2115	-.1971	-.1483	-.1353	-.1559	-.1725	-.1605	-.1428	-.1007	-.0597	-.0592	-.0672	22.50
45.00	-.2064	-.1918	-.1443	-.1345	-.1509	-.1743	-.1519	-.1462	-.0968	-.0593	-.0588	-.0638	45.00
67.50	-.2071	-.1903	-.1431	-.1335	-.1423	-.1741	-.1462	-.1489	-.0935	-.0545	-.0549	-.0642	67.50
90.00	-.2000	-.1895	-.1754	-.1624	-.1493	-.1727	-.1467	-.1498	-.1060	-.0726	-.0726	-.0794	90.00
112.50	.2242	.2190	.2182	.1933	.1514	.0729	.0392	.0218	.0228	.0144	.0027	-.0246	112.50
135.00	.7949	.7762	.7655	.7398	.6657	.5494	.5177	.4910	.4875	.4788	.4677	.4221	135.00
157.50	1.2355	1.2499	1.2309	1.2017	1.1104	.9737	.9394	.9193	.9117	.8988	.8802	.8179	157.50
180.00	1.4438	1.4412	1.4237	1.3955	1.2974	1.1493	1.1219	1.0892	1.0726	1.0544	.9878	.9878	180.00
202.50	1.2996	1.2911	1.2622	1.2290	1.1302	.9959	.9682	.9420	.9345	.9183	.8989	.8379	202.50
225.00	.6640	.8434	.8167	.7667	.6948	.5872	.5516	.5215	.5191	.5088	.4981	.4523	225.00
247.50	.3123	.2780	.2621	.2490	.1783	.1152	.0722	.0530	.0519	.0359	.0277	-.0021	247.50
270.00	-.1299	-.1605	-.1665	-.1656	-.1834	-.1871	-.1405	-.1483	-.1100	-.0851	-.0899	-.0903	270.00
292.50	-.2145	-.1884	-.1443	-.1314	-.1551	-.1909	-.1441	-.1412	-.0928	-.0617	-.0668	-.0719	292.50
315.00	-.2101	-.1871	-.1443	-.1328	-.1556	-.1946	-.1540	-.1433	-.0963	-.0661	-.0712	-.0728	315.00
337.50	-.2203	-.1966	-.1533	-.1375	-.1581	-.1810	-.1605	-.1435	-.1006	-.0644	-.0709	-.0709	337.50

TABLE I.- Continued

(b) $M_{\infty} = 2.3$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1503	.1589	.1520	.1596	.1594	-.0144	.0003	.0050	.0100	.0120	.0125	.0128	0.00
22.50	.1498	.1509	.1477	.1549	.1533	-.0180	-.0058	-.0003	.0050	.0072	.0078	.0113	22.50
45.00	.1351	.1399	.1338	.1402	.1384	-.0292	-.0137	-.0077	-.0052	-.0014	-.0003	-.0003	45.00
67.50	.1194	.1218	.1152	.1210	.1218	-.0449	-.0352	-.0203	-.0200	-.0118	-.0120	-.0102	67.50
90.00	.1027	.1049	.0975	.1020	.1022	-.0571	-.0449	-.0251	-.0255	-.0167	-.0171	-.0112	90.00
112.50	.0903	.0898	.0856	.0885	.0894	-.0663	-.0569	-.0291	-.0225	-.0138	-.0102	-.0065	112.50
135.00	.0833	.0800	.0776	.0810	.0797	-.0720	-.0552	-.0243	-.0154	-.0061	-.0005		135.00
157.50	.0767	.0768	.0737	.0771	.0771	-.0743	-.0555	-.0220	-.0086	.0015	.0049	.0077	157.50
180.00	.0773	.0748	.0730	.0767	.0769	-.0722	-.0541		-.0058	.0041	.0062	.0094	180.00
202.50	.0801	.0773	.0751	.0789	.0793	-.0728	-.0577	-.0239	-.0083	.0005	.0036	.0070	202.50
225.00	.0868	.0789	.0792		.0903	-.0706	-.0629	-.0279	-.0153	-.0047	-.0023	.0018	225.00
247.50	.0834	.0927	.0881	.0946	.0956	-.0660	-.0561	-.0299	-.0226	-.0121	-.0090	-.0070	247.50
270.00	.1064	.1071	.1035	.1071	.1070	-.0544	-.0467	-.0285	-.0227	-.0167	-.0140	-.0106	270.00
292.50	.1216	.1247		.1238	.1245	-.0400	-.0366	-.0187	-.0142	-.0103	-.0095	-.0078	292.50
315.00	.1454	.1412	.1453	.1424	.1424	-.0274	-.0228	-.0079	-.0041	.0002	-.0005	.0017	315.00
337.50	.1483	.1529	.1471	.1544	.1549	-.0199	-.0136	.0005	.0056	.0087		.0111	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1088	.1134	.1087	.1138	.1096	-.0524	-.0316	-.0141	-.0031	.0028	.0056	.0073	0.00
22.50	.1099	.1109	.1084	.1131	.1088	-.0539	-.0339	-.0161	-.0043	.0023	.0057	.0121	22.50
45.00	.1097	.1123	.1083	.1129	.1093	-.0543	-.0302	-.0159	-.0053	.0036	.0055	.0081	45.00
67.50	.1076	.1117	.1068	.1116	.1104	-.0551	-.0402	-.0167	-.0081	.0026	.0037	.0076	67.50
90.00	.1094	.1119	.1055	.1107	.1082	-.0533	-.0385	-.0151	-.0083	.0028	.0021	.0066	90.00
112.50	.1107	.1104	.1060	.1105	.1081	-.0530	-.0420	-.0149	-.0080	.0023	.0022	.0071	112.50
135.00	.1120	.1087	.1062	.1105	.1077	-.0530	-.0399	-.0143	-.0077	.0018	.0033		135.00
157.50	.1081	.1112	.1069	.1108	.1083	-.0542	-.0401	-.0152	-.0053	.0013	.0039	.0052	157.50
180.00	.1131	.1110	.1084	.1123	.1109	-.0540	-.0371		-.0053	-.0011	.0032	.0057	180.00
202.50	.1160	.1137	.1110	.1150	.1135	-.0513	-.0382	-.0152	-.0057	.0009	.0014	.0059	202.50
225.00	.1193	.1108	.1113		.1149	-.0498	-.0438	-.0144	-.0063	.0019	.0024	.0058	225.00
247.50	.1057	.1156	.1102	.1187	.1153	-.0522	-.0397	-.0133	-.0059	.0013	.0030	.0047	247.50
270.00	.1168	.1161	.1101	.1169	.1140	-.0492	-.0392	-.0039	-.0050	.0008	.0024	.0053	270.00
292.50	.1150	.1161		.1167	.1138	-.0512	-.0409	-.0140	-.0042	.0024	.0047	.0062	292.50
315.00	.1198	.1143	.1097	.1164	.1123	-.0523	-.0406	-.0140	-.0051	.0030	.0046	.0065	315.00
337.50	.1124	.1135	.1098	.1195	.1106	-.0531	-.0423	-.0146	-.0052	.0025		.0077	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0772	.0818	.0748	.0761	.0760	-.0723	-.0458	-.0180	-.0023	.0061	.0083	.0102	0.00
22.50	.0790	.0807	.0764	.0772	.0760	-.0752	-.0483	-.0211	-.0046	.0041	.0068	.0108	22.50
45.00	.0833	.0844	.0802	.0808	.0811	-.0757	-.0495	-.0247	-.0112	-.0004	.0017	.0040	45.00
67.50	.0869	.0922	.0869	.0891	.0915	-.0722	-.0565	-.0313	-.0216	-.0087	-.0055	-.0027	67.50
90.00	.1017	.1055	.0991	.1029	.1009	-.0617	-.0475	-.0284	-.0254	-.0138	-.0130	-.0092	90.00
112.50	.1208	.1208	.1168	.1211	.1181	-.0472	-.0408	-.0223	-.0197	-.0117	-.0106	-.0103	112.50
135.00	.1395	.1361	.1346	.1397	.1361	-.0330	-.0257	-.0105	-.0075	-.0035	-.0006		135.00
157.50	.1465	.1537	.1486	.1537	.1507	-.0233	-.0154	-.0012	-.0055	.0041	.0074	.0072	157.50
180.00	.1599	.1582	.1548	.1605	.1580	-.0173	-.0071		.0081	.0088	.0086	.0119	180.00
202.50	.1580	.1579	.1525	.1595	.1559	-.0197	-.0102	.0021	.0064	.0085	.0069	.0072	202.50
225.00	.1500	.1422	.1426		.1448	-.0291	-.0274	-.0061	-.0037	-.0006	-.0013	-.0002	225.00
247.50	.1155	.1276	.1246	.1321	.1265	-.0449	-.0363	-.0180	-.0143	-.0121	-.0112	-.0095	247.50
270.00	.1118	.1100	.1052	.1088	.1062	-.0567	-.0483	-.0290	-.0230	-.0163	-.0140	-.0115	270.00
292.50	.0958	.0964		.0911	.0924	-.0680	-.0585	-.0318	-.0210	-.0111	-.0078	-.0063	292.50
315.00	.0918	.0859	.0808	.0820	.0833	-.0743	-.0593	-.0271	-.0134	-.0025	-.0009	.0008	315.00
337.50	.0811	.0818	.0768	.0773	.0776	-.0751	-.0581	-.0214	-.0062	.0028		.0073	337.50

TABLE I.- Continued

(b) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0522	.0540	.0490	.0539	.0545	-.0834	-.0532	-.0190	-.0020	.0061	.0080	.0101	0.00
22.50	.0507	.0513	.0442	.0525	.0525	-.0885	-.0604	-.0272	-.0113	-.0076	-.0069	-.0046	22.50
45.00	.0511	.0496	.0435	.0478	.0495	-.0936	-.0731	-.0460	-.0261	-.0162	-.0137	-.0103	45.00
67.50	.0528	.0567	.0512	.0513	.0582	-.0925	-.0875	-.0735	-.0632	-.0461	-.0396	-.0304	67.50
90.00	.0776	.0803	.0748	.0763	.0783	-.0771	-.0778	-.0691	-.0758	-.0750	-.0730	-.0686	90.00
112.50	.1234	.1204	.1168	.1204	.1194	-.0466	-.0509	-.0416	-.0462	-.0499	-.0511	-.0549	112.50
135.00	.1696	.1639	.1617	.1676	.1644	-.0105	-.0097	-.0046	-.0068	-.0111	-.0103		135.00
157.50	.1969	.2067	.1981	.2051	.2015	.0155	.0230	.0248	.0256	.0213	.0217	.0220	157.50
180.00	.2229	.2210	.2138	.2218	.2184	.0293	.0395		.0389	.0377	.0344	.0349	180.00
202.50	.2110	.2131	.2026	.2110	.2077	.0215	.0285	.0307	.0294	.0277	.0249	.0238	202.50
225.00	.1817	.1768	.1703		.1741	-.0049	-.0054	.0025	-.0010	-.0034	-.0065	-.0078	225.00
247.50	.1192	.1312	.1263	.1327	.1286	-.0407	-.0451	-.0365	-.0399	-.0453	-.0481	-.0503	247.50
270.00	.0903	.0859	.0814	.0832	.0824	-.0727	-.0778	-.0697	-.0744	-.0761	-.0755	-.0748	270.00
292.50	.0612	.0598		.0539	.0564	-.0892	-.0909	-.0758	-.0669	-.0509	-.0421	-.0379	292.50
315.00	.0573	.0500	.0461	.0478	.0487	-.0926	-.0836	-.0511	-.0322	-.0187	-.0158	-.0147	315.00
337.50	.0522	.0512	.0445	.0513	.0508	-.0893	-.0713	-.0297	-.0152	-.0098		-.0107	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0238	.0364	.0330	.0378	.0347	-.1030	-.0656	-.0247	-.0071	.0011	.0027	.0055	0.00
22.50	.0105	.0139	.0111	.0267	.0272	-.0965	-.0749	-.0466	-.0403	-.0455	-.0491	-.0516	22.50
45.00	.0101	.0115	.0028	.0049	.0081	-.1156	-.0935	-.0722	-.0513	-.0468	-.0510	-.0532	45.00
67.50	-.0052	.0044	-.0033	-.0075	-.0053	-.1252	-.1272	-.1343	-.1386	-.1231	-.1079	-.0884	67.50
90.00	.0387	.0444	.0417	.0414	.0406	-.1026	-.1093	-.1150	-.1270	-.1366	-.1407	-.1383	90.00
112.50	.1201	.1160	.1163	.1187	.1177	-.0484	-.0618	-.0581	-.0676	-.0769	-.0792	-.0829	112.50
135.00	.2029	.1984	.1982	.2029	.2001	.0170	.0171	.0121	.0050	-.0032	-.0024		135.00
157.50	.2566	.2718	.2642	.2682	.2661	.0634	.0691	.0642	.0595	.0557	.0560	.0544	157.50
180.00	.2970	.2963	.2910	.2953	.2933	.0823	.0890		.0784	.0787	.0750	.0754	180.00
202.50	.2741	.2779	.2692	.2748	.2716	.0699	.0755	.0698	.0657	.0626	.0611	.0594	202.50
225.00	.2188	.2152	.2087		.2113	.0259	.0232	.0212	.0152	.0094	.0065	.0036	225.00
247.50	.1198	.1304	.1255	.1336	.1267	-.0383	-.0525	-.0494	-.0576	-.0680	-.0722	-.0751	247.50
270.00	.0604	.0519	.0490	.0490	.0486	-.0946	-.1071	-.1077	-.1206	-.1312	-.1356	-.1381	270.00
292.50	.0070	.0064		-.0054	-.0028	-.1215	-.1334	-.1381	-.1448	-.1116	-.0998	-.0851	292.50
315.00	.0167	.0101	.0045	.0025	.0052	-.1168	-.1068	-.0778	-.0561	-.0519	-.0586	-.0679	315.00
337.50	.0140	.0145	.0104	.0245	.0260	-.0965	-.0854	-.0516	-.0458	-.0505		-.0584	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0059	.0233	.0165	.0183	.0155	-.1193	-.0857	-.0421	-.0275	-.0217	-.0174	-.0231	0.00
22.50	-.0443	-.0363	-.0395	-.0304	-.0140	-.1082	-.0879	-.0660	-.0936	-.1208	-.1391	-.1481	22.50
45.00	-.0370	-.0318	-.0365	-.0268	-.0331	-.1369	-.1341	-.1352	-.1406	-.1296	-.1284	-.1302	45.00
67.50	-.0617	-.0484	-.0588	-.0760	-.0817	-.1691	-.1666	-.1648	-.1454	-.1186	-.1160	-.1015	67.50
90.00	-.0069	.0045	.0021	.0017	.0032	-.1223	-.1290	-.1418	-.1502	-.1509	-.1410	-.1340	90.00
112.50	.1265	.1227	.1231	.1252	.1238	-.0435	-.0580	-.0577	-.0698	-.0801	-.0819	-.0848	112.50
135.00	.2481	.2447	.2441	.2497	.2434	.0519	.0533	.0434	.0332	.0232	.0216		135.00
157.50	.3302	.3497	.3428	.3458	.3408	.1139	.1203	.1119	.1040	.0997	.0967	.0967	157.50
180.00	.3865	.3860	.3812	.3851	.3800	.1412	.1494		.1324	.1319	.1251	.1273	180.00
202.50	.3507	.3552	.3466	.3529	.3453	.1210	.1278	.1182	.1111	.1071	.1027	.1023	202.50
225.00	.2672	.2624	.2557		.2572	.0620	.0577	.0520	.0441	.0356	.0322	.0300	225.00
247.50	.1304	.1391	.1346	.1430	.1362	-.0294	-.0471	-.0480	-.0578	-.0704	-.0729	-.0768	247.50
270.00	.0306	.0162	.0130	.0120	.0129	-.1132	-.1271	-.1310	-.1434	-.1495	-.1433	-.1392	270.00
292.50	-.0543	-.0509		-.0807	-.0824	-.1659	-.1749	-.1704	-.1445	-.1192	-.1034	-.0997	292.50
315.00	-.0284	-.0340	-.0293	-.0395	-.0412	-.1430	-.1553	-.1399	-.1327	-.1290	-.1218	-.1195	315.00
337.50	-.0390	-.0375	-.0385	-.0168	-.0021	-.1084	-.0993	-.0773	-.1041	-.1340		-.1561	337.50

TABLE I.- Continued

(b) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0179	-.0028	-.0049	-.0062	-.0086	-.1377	-.1151	-.0899	-.0699	-.0829	-.0882	-.0934	0.00
22.50	-.0957	-.0883	-.0944	-.0906	-.0883	-.1582	-.1175	-.1286	-.1331	-.1636	-.1601	-.1487	22.50
45.00	-.0859	-.0819	-.0895	-.0836	-.0731	-.1446	-.1581	-.1584	-.1418	-.1321	-.1303	-.1272	45.00
67.50	-.1043	-.0954	-.1010	-.1114	-.1309	-.1886	-.1661	-.1613	-.1484	-.1310	-.1154	-.1117	67.50
90.00	-.0292	-.0146	-.0165	-.0158	-.0142	-.1300	-.1372	-.1497	-.1590	-.1568	-.1512	-.1435	90.00
112.50	.1426	.1420	.1402	.1447	.1409	-.0271	-.0452	-.0462	-.0592	-.0675	-.0712	-.0731	112.50
135.00	.3030	.2999	.3013	.3078	.2992	.0914	.0911	.0796	.0667	.0590	.0572		135.00
157.50	.4138	.4372	.4311	.4359	.4284	.1748	.1826	.1715	.1592	.1553	.1497	.1514	157.50
180.00	.4874	.4855	.4820	.4886	.4812	.2108	.2202		.1952	.1950	.1860	.1895	180.00
202.50	.4384	.4426	.4359	.4436	.4340	.1816	.1890	.1768	.1646	.1611	.1541	.1559	202.50
225.00	.3237	.3334	.3128		.3132	.1000	.0943	.0881	.0780	.0705	.0660	.0650	225.00
247.50	.1486	.1604	.1527	.1625	.1509	-.0137	-.0317	-.0361	-.0461	-.0575	-.0615	-.0633	247.50
270.00	.0145	.0003	-.0008	-.0039	-.0054	-.1180	-.1329	-.1372	-.1494	-.1561	-.1541	-.1479	270.00
292.50	-.1000	-.1006		-.1168	-.1276	-.1854	-.1683	-.1561	-.1446	-.1327	-.1257	-.1147	292.50
315.00	-.0781	-.0844	-.0785	-.0919	-.0799	-.1548	-.1710	-.1560	-.1412	-.1298	-.1271	-.1258	315.00
337.50	-.0930	-.0866	-.0949	-.0827	-.0689	-.1519	-.1354	-.1441	-.1672	-.1580		-.1467	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0483	-.0284	-.0314	-.0294	-.0244	-.1486	-.1481	-.1202	-.1234	-.1276	-.1268	-.1126	0.00
22.50	-.1254	-.1214	-.1296	-.1315	-.1303	-.1814	-.1452	-.1585	-.1693	-.1602	-.1515	-.1518	22.50
45.00	-.1171	-.1199	-.1217	-.1208	-.1169	-.1718	-.1606	-.1711	-.1517	-.1478	-.1410	-.1392	45.00
67.50	-.1403	-.1368	-.1406	-.1422	-.1480	-.1971	-.1724	-.1597	-.1577	-.1429	-.1412	-.1416	67.50
90.00	-.0336	-.0207	-.0223	-.0231	-.0194	-.1315	-.1380	-.1497	-.1584	-.1637	-.1640	-.1629	90.00
112.50	.1653	.1661	.1618	.1661	.1647	-.0072	-.0216	-.0262	-.0413	-.0495	-.0513	-.0555	112.50
135.00	.3615	.3598	.3613	.3677	.3607	.1344	.1341	.1214	.1072	.1002	.0973		135.00
157.50	.5025	.5321	.5257	.5298	.5252	.2427	.2509	.2389	.2230	.2196	.2130	.2156	157.50
180.00	.5941	.5944	.5915	.5953	.5934	.2884	.2994		.2705	.2686	.2592	.2631	180.00
202.50	.5291	.5385	.5319	.5375	.5318	.2495	.2579	.2432	.2283	.2253	.2159	.2191	202.50
225.00	.3831	.3994	.3753		.3769	.1446	.1378	.1314	.1165	.1123	.1049	.1053	225.00
247.50	.1721	.1831	.1750	.1870	.1760	.0094	-.0085	-.0171	-.0285	-.0383	-.0449	-.0461	247.50
270.00	.0109	-.0058	-.0064	-.0115	-.0143	-.1174	-.1346	-.1359	-.1490	-.1565	-.1596	-.1592	270.00
292.50	-.1267	-.1346		-.1432	-.1443	-.1916	-.1780	-.1617	-.1599	-.1455	-.1388	-.1440	292.50
315.00	-.1093	-.1218	-.1129	-.1242	-.1204	-.1800	-.1758	-.1687	-.1566	-.1448	-.1459	-.1395	315.00
337.50	-.1246	-.1267	-.1300	-.1371	-.1351	-.1862	-.1629	-.1655	-.1711	-.1617		-.1570	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0879	-.0587	-.0596	-.0601	-.0580	-.1644	-.1670	-.1216	-.1430	-.1490	-.1294	-.1182	0.00
22.50	-.1442	-.1399	-.1483	-.1519	-.1536	-.1978	-.1676	-.1758	-.1801	-.1696	-.1697	-.1714	22.50
45.00	-.1354	-.1429	-.1468	-.1445	-.1475	-.1893	-.1647	-.1759	-.1643	-.1557	-.1581	-.1602	45.00
67.50	-.1586	-.1579	-.1586	-.1579	-.1604	-.2048	-.1781	-.1734	-.1654	-.1610	-.1570	-.1561	67.50
90.00	-.0343	-.0219	-.0222	-.0190	-.0184	-.1313	-.1353	-.1475	-.1537	-.1596	-.1615	-.1615	90.00
112.50	.1904	.1905	.1877	.1925	.1899	.0165	.0079	-.0046	-.0156	-.0270	-.0267	-.0288	112.50
135.00	.4257	.4208	.4270	.4327	.4279	.1832	.1838	.1704	.1537	.1486	.1458		135.00
157.50	.5969	.6280	.6245	.6281	.6287	.3165	.3289	.3139	.2980	.2954	.2907	.2924	157.50
180.00	.7116	.7085	.7070	.7109	.7130	.3742	.3879		.3569	.3554	.3473	.3523	180.00
202.50	.6290	.6386	.6324	.6381	.6352	.3252	.3376	.3187	.3054	.3015	.2922	.2962	202.50
225.00	.4512	.4596	.4401		.4445	.1937	.1878	.1781	.1623	.1591	.1509	.1522	225.00
247.50	.2023	.2065	.2004	.2149	.2034	.0341	.0199	.0053	-.0037	-.0162	-.0222	-.0218	247.50
270.00	.0159	-.0057	-.0073	-.0115	-.0078	-.1148	-.1307	-.1357	-.1460	-.1518	-.1560	-.1553	270.00
292.50	-.1370	-.1476		-.1569	-.1549	-.1978	-.1855	-.1727	-.1738	-.1586	-.1587	-.1536	292.50
315.00	-.1307	-.1500	-.1386	-.1535	-.1528	-.1951	-.1833	-.1782	-.1675	-.1618	-.1576	-.1584	315.00
337.50	-.1466	-.1523	-.1568	-.1601	-.1610	-.2013	-.1861	-.1861	-.1822	-.1740		-.1727	337.50

TABLE I.- Continued

(b) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1115	-.0963	-.0918	-.0932	-.0942	-.1767	-.1792	-.1552	-.1681	-.1548	-.1573	-.1664	0.00
22.50	-.1513	-.1566	-.1713	-.1759	-.1813	-.2138	-.1800	-.1975	-.1945	-.1919	-.1891	-.1814	22.50
45.00	-.1468	-.1621	-.1693	-.1695	-.1770	-.2105	-.1772	-.1970	-.1853	-.1779	-.1739	-.1690	45.00
67.50	-.1673	-.1658	-.1667	-.1647	-.1668	-.2113	-.1963	-.1981	-.1865	-.1730	-.1695	-.1646	67.50
90.00	-.0304	-.0156	-.0184	-.0159	-.0150	-.1239	-.1312	-.1425	-.1486	-.1520	-.1548	-.1554	90.00
112.50	.2188	.2198	.2158	.2206	.2219	.0429	.0383	.0224	.0131	.0028	.0022	.0010	112.50
135.00	.4936	.4884	.4959	.5008	.4958	.2327	.2388	.2213	.2071	.2031	.2004	.2004	135.00
157.50	.7015	.7381	.7329	.7371	.7373	.3968	.4132	.3944	.3852	.3808	.3771	.3801	157.50
180.00	.8369	.8301	.8287	.8327	.8363	.4644	.4855	.4555	.4537	.4488	.4524	.4524	180.00
202.50	.7363	.7463	.7383	.7431	.7417	.4046	.4230	.3987	.3903	.3864	.3785	.3859	202.50
225.00	.5185	.5285	.5093	.5129	.5129	.2438	.2393	.2288	.2141	.2129	.2053	.2132	225.00
247.50	.2332	.2335	.2293	.2420	.2299	.0581	.0502	.0300	.0223	.0101	.0099	.0132	247.50
270.00	.0214	.0035	-.0022	-.0052	-.0080	-.1092	-.1238	-.1269	-.1390	-.1450	-.1478	-.1465	270.00
292.50	-.1423	-.1538	-.1597	-.1597	-.1611	-.1987	-.1825	-.1738	-.1665	-.1611	-.1638	-.1656	292.50
315.00	-.1479	-.1680	-.1527	-.1607	-.1596	-.1945	-.1824	-.1775	-.1691	-.1652	-.1695	-.1704	315.00
337.50	-.1622	-.1686	-.1673	-.1709	-.1694	-.2081	-.1847	-.1806	-.1807	-.1811	-.1796	-.1796	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1397	-.1482	-.1593	-.1555	-.1557	-.1990	-.1864	-.1904	-.1996	-.1947	-.1967	-.1996	0.00
22.50	-.1802	-.1902	-.1968	-.1911	-.1884	-.2167	-.1812	-.1890	-.1862	-.1902	-.1916	-.1929	22.50
45.00	-.1711	-.1956	-.1961	-.1847	-.1827	-.2090	-.1738	-.1809	-.1758	-.1792	-.1835	-.1855	45.00
67.50	-.1743	-.1712	-.1722	-.1690	-.1685	-.2094	-.1870	-.1810	-.1677	-.1714	-.1765	-.1789	67.50
90.00	-.0257	-.0095	-.0135	-.0117	-.0059	-.1208	-.1242	-.1336	-.1410	-.1448	-.1470	-.1479	90.00
112.50	.2478	.2488	.2435	.2483	.2474	.0634	.0649	.0539	.0437	.0360	.0364	.0367	112.50
135.00	.5605	.5546	.5611	.5653	.5624	.2815	.2979	.2789	.2656	.2657	.2628	.2628	135.00
157.50	.8109	.8462	.8382	.8431	.8452	.4741	.5057	.4807	.4819	.4776	.4759	.4792	157.50
180.00	.9635	.9481	.9514	.9554	.9620	.5537	.5877	.5637	.5637	.5597	.5608	.5635	180.00
202.50	.8507	.8606	.8455	.8496	.8496	.4820	.5112	.4866	.4832	.4787	.4787	.4835	202.50
225.00	.5911	.6145	.5795	.5839	.5839	.2933	.2988	.2860	.2733	.2786	.2732	.2809	225.00
247.50	.2655	.2722	.2575	.2712	.2570	.0778	.0754	.0610	.0511	.0464	.0454	.0492	247.50
270.00	.0288	.0060	.0023	-.0028	-.0062	-.1066	-.1184	-.1223	-.1316	-.1368	-.1392	-.1384	270.00
292.50	-.1451	-.1571	-.1655	-.1655	-.1660	-.2010	-.1992	-.2029	-.1986	-.1848	-.1774	-.1679	292.50
315.00	-.1492	-.1669	-.1596	-.1667	-.1754	-.2069	-.2012	-.2069	-.2007	-.1880	-.1858	-.1769	315.00
337.50	-.1643	-.1698	-.1712	-.1788	-.1840	-.2186	-.2071	-.2077	-.2089	-.1973	-.1964	-.1864	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1690	-.2010	-.1695	-.1899	-.2070	-.2150	-.1920	-.2023	-.2102	-.2051	-.2077	-.2104	0.00
22.50	-.1871	-.2214	-.1908	-.1695	-.1707	-.2130	-.1874	-.2175	-.2229	-.2152	-.2105	-.2051	22.50
45.00	-.1778	-.2298	-.1905	-.1625	-.1616	-.1999	-.1776	-.2148	-.2256	-.2149	-.2029	-.1912	45.00
67.50	-.1766	-.1751	-.1739	-.1692	-.1698	-.2069	-.1955	-.2177	-.2234	-.2198	-.2027	-.1849	67.50
90.00	-.0181	-.0011	-.0078	-.0057	-.0060	-.1177	-.1185	-.1291	-.1342	-.1364	-.1373	-.1376	90.00
112.50	.2774	.2762	.2712	.2758	.2741	.0784	.0956	.0802	.0722	.0691	.0703	.0706	112.50
135.00	.6308	.6196	.6263	.6307	.6312	.3255	.3560	.3388	.3316	.3350	.3331	.3331	135.00
157.50	.9236	.9523	.9432	.9487	.9524	.5510	.5964	.5789	.5856	.5832	.5835	.5815	157.50
180.00	1.0906	1.0742	1.0743	1.0789	1.0862	.6454	.6982	.6867	.6849	.6872	.6872	.6857	180.00
202.50	.9684	.9788	.9522	.9553	.9548	.5597	.6035	.5852	.5882	.5868	.5880	.5877	202.50
225.00	.6634	.6792	.6451	.6513	.6513	.3388	.3543	.3462	.3409	.3478	.3435	.3502	225.00
247.50	.2971	.3026	.2846	.3012	.2835	.0947	.0997	.0860	.0809	.0783	.0776	.0823	247.50
270.00	.0378	.0124	.0078	.0021	.0019	-.1033	-.1130	-.1127	-.1204	-.1277	-.1289	-.1266	270.00
292.50	-.1467	-.1579	-.1676	-.1676	-.1671	-.2034	-.2076	-.1824	-.1632	-.1702	-.1846	-.1916	292.50
315.00	-.1645	-.1544	-.1832	-.2168	-.2232	-.2283	-.2096	-.1847	-.1698	-.1809	-.1926	-.1992	315.00
337.50	-.1772	-.1623	-.1929	-.2178	-.2195	-.2318	-.2164	-.1944	-.1809	-.1926	-.2074	-.2074	337.50

TABLE I.- Continued

(b) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1866	-.1971	-.1941	-.1867	-.1960	-.2141	-.1902	-.2123	-.2096	-.2072	-.2060	-.2019	0.00
22.50	-.1945	-.2148	-.1850	-.2003	-.2200	-.2310	-.1964	-.2048	-.2021	-.2075	-.2064	-.1918	22.50
45.00	-.1822	-.2193	-.1795	-.1940	-.2212	-.2318	-.1931	-.1950	-.1900	-.2016	-.2010	-.1842	45.00
67.50	-.1786	-.1763	-.1753	-.1733	-.1729	-.2157	-.2046	-.1961	-.1838	-.2003	-.1990	-.1906	67.50
90.00	-.0102	.0057	-.0018	-.0010	.0022	-.1166	-.1136	-.1216	-.1257	-.1262	-.1255	-.1248	90.00
112.50	.3065	.3012	.2985	.3022	.3008	.0974	.1185	.1088	.1008	.1026	.1031	.1044	112.50
135.00	.7048	.6875	.6962	.6987	.6933	.3824	.4161	.4028	.4006	.4040	.4015		135.00
157.50	1.0363	1.0608	1.0499	1.0531	1.0467	.6457	.6884	.6835	.6928	.6871	.6885	.6823	157.50
180.00	1.2103	1.1998	1.1955	1.1977	1.1946	.7588	.8147		.8163	.8092	.8085	.8097	180.00
202.50	1.0804	1.0830	1.0591	1.0585	1.0509	.6538	.7009	.6908	.7027	.6942	.6953	.6930	202.50
225.00	.7329	.7287	.7137		.7127	.3923	.4129	.4126	.4137	.4173	.4129	.4183	225.00
247.50	.3272	.3277	.3118	.3257	.3050	.1122	.1268	.1181	.1127	.1112	.1114	.1182	247.50
270.00	.0433	.0230	.0129	.0070	.0061	-.1037	-.1076	-.1056	-.1123	-.1179	-.1169	-.1136	270.00
292.50	-.1482	-.1596		-.1710	-.1697	-.2037	-.2013	-.2077	-.2115	-.2062	-.1944	-.1805	292.50
315.00	-.1717	-.1781	-.2163	-.1964	-.1811	-.2066	-.2012	-.2167	-.2217	-.2031	-.1960	-.1855	315.00
337.50	-.1882	-.1813	-.2191	-.2037	-.1871	-.2159	-.2090	-.2203	-.2203	-.2076		-.1970	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1793	-.1857	-.1858	-.1927	-.1984	-.2113	-.1862	-.2125	-.1914	-.1764	-.1579	-.1471	0.00
22.50	-.2004	-.2027	-.2042	-.2045	-.2205	-.2287	-.1913	-.2035	-.1832	-.1793	-.1631	-.1471	22.50
45.00	-.1932	-.2031	-.2025	-.1998	-.2227	-.2284	-.1873	-.1901	-.1826	-.1756	-.1588	-.1450	45.00
67.50	-.1812	-.1765	-.1788	-.1752	-.1804	-.2162	-.2049	-.1909	-.1840	-.1728	-.1539	-.1512	67.50
90.00	-.0042	.0114	.0018	.0046	-.0011	-.1109	-.1084	-.1148	-.1171	-.1133	-.1124	-.1094	90.00
112.50	.3318	.3260	.3233	.3272	.3104	.1299	.1484	.1377	.1315	.1363	.1356	.1385	112.50
135.00	.7710	.7536	.7605	.7619	.7328	.4679	.4859	.4749	.4707	.4736	.4713		135.00
157.50	1.1427	1.1652	1.1555	1.1569	1.1181	.7940	.8057	.8053	.8046	.7973	.7977	.7934	157.50
180.00	1.3272	1.3197	1.3158	1.3170	1.2777	.9319	.9483		.9414	.9309	.9303	.9331	180.00
202.50	1.1840	1.1776	1.1616	1.1601	1.1171	.8016	.8209	.8094	.8131	.8027	.8067	.8069	202.50
225.00	.7983	.7968	.7779		.7493	.4836	.4852	.4866	.4868	.4899	.4892	.4921	225.00
247.50	.3561	.3540	.3362	.3433	.3117	.1470	.1606	.1478	.1444	.1484	.1472	.1509	247.50
270.00	.0481	.0267	.0173	.0084	.0031	-.0938	-.0980	-.0977	-.1012	-.1036	-.1034	-.1025	270.00
292.50	-.1503	-.1619		-.1740	-.1755	-.2030	-.2062	-.2082	-.1934	-.1558	-.1429	-.1329	292.50
315.00	-.1721	-.2045	-.2060	-.2095	-.1979	-.2139	-.2159	-.2130	-.1964	-.1619	-.1490	-.1370	315.00
337.50	-.1891	-.2065	-.2124	-.2121	-.2037	-.2226	-.2225	-.2174	-.1990	-.1689		-.1413	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1836	-.1902	-.1907	-.1966	-.2006	-.2089	-.1864	-.1900	-.1667	-.1509	-.1486	-.1461	0.00
22.50	-.2044	-.2092	-.2111	-.2116	-.2141	-.2183	-.1874	-.1952	-.1656	-.1503	-.1479	-.1452	22.50
45.00	-.1942	-.2125	-.2123	-.2108	-.2118	-.2139	-.1835	-.1945	-.1615	-.1487	-.1475	-.1455	45.00
67.50	-.1835	-.1792	-.1815	-.1778	-.1863	-.2157	-.2035	-.1971	-.1584	-.1475	-.1457	-.1469	67.50
90.00	-.0023	.0128	.0053	.0059	-.0095	-.1020	-.1017	-.1086	-.1060	-.1013	-.1016	-.0990	90.00
112.50	.3484	.3437	.3447	.3450	.3115	.1910	.1754	.1683	.1637	.1685	.1652	.1695	112.50
135.00	.8321	.8135	.8179	.8153	.7581	.5667	.5490	.5416	.5391	.5385	.5347		135.00
157.50	1.2296	1.2515	1.2431	1.2425	1.1698	.9340	.9158	.9145	.9068	.9003	.8970	.8979	157.50
180.00	1.4246	1.4187	1.4154	1.4140	1.3399	1.0824	1.0783		1.0612	1.0543	1.0509	1.0548	180.00
202.50	1.2672	1.2602	1.2479	1.2427	1.1659	.9343	.9316	.9219	.9191	.9089	.9071	.9078	202.50
225.00	.8600	.8524	.8357		.7793	.5812	.5503	.5570	.5601	.5583	.5547	.5545	225.00
247.50	.3797	.3718	.3532	.3594	.3154	.2128	.1872	.1785	.1788	.1803	.1778	.1825	247.50
270.00	.0505	.0284	.0175	.0099	-.0035	-.0735	-.0933	-.0886	-.0908	-.0935	-.0931	-.0932	270.00
292.50	-.1531	-.1630		-.1762	-.1812	-.2042	-.2037	-.1845	-.1551	-.1453	-.1431	-.1425	292.50
315.00	-.1749	-.2089	-.2089	-.2091	-.2163	-.2168	-.2031	-.1868	-.1608	-.1472	-.1450	-.1417	315.00
337.50	-.1905	-.2108	-.2139	-.2124	-.2195	-.2219	-.2073	-.1893	-.1648	-.1488		-.1441	337.50

TABLE I.- Continued

(b) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1864	-.1942	-.1954	-.1962	-.1927	-.1945	-.1787	-.1792	-.1636	-.1592	-.1519	-.1443	0.00
22.50	-.2048	-.2130	-.2166	-.2065	-.2046	-.2074	-.1774	-.1783	-.1607	-.1581	-.1529	-.1480	22.50
45.00	-.1949	-.2170	-.2188	-.2050	-.2043	-.2087	-.1740	-.1771	-.1602	-.1562	-.1512	-.1500	45.00
67.50	-.1843	-.1815	-.1845	-.1814	-.1915	-.2134	-.1920	-.1775	-.1607	-.1545	-.1471	-.1539	67.50
90.00	.0036	.0159	.0061	.0022	-.0185	-.0755	-.0967	-.0997	-.0963	-.0926	-.0915	-.0912	90.00
112.50	.3668	.3629	.3602	.3546	.3123	.2173	.2020	.1963	.1916	.1969	.1953	.1977	112.50
135.00	.8947	.8738	.8688	.8575	.7879	.6318	.6108	.6020	.6004	.6000	.6011		135.00
157.50	1.3130	1.3322	1.3190	1.3101	1.2224	1.0380	1.0158	1.0132	1.0069	1.0007	.9994	.9992	157.50
180.00	1.5160	1.5096	1.5034	1.4929	1.4056	1.2001	1.1976		1.1805	1.1701	1.1665	1.1616	180.00
202.50	1.3497	1.3392	1.3228	1.3130	1.2268	1.0461	1.0436	1.0326	1.0226	1.0121	1.0096	1.0109	202.50
225.00	.9139	.8922	.8809		.8118	.6478	.6176	.6229	.6188	.6192	.6184	.6178	225.00
247.50	.4054	.3811	.3703	.3803	.3175	.2371	.2152	.2095	.2046	.2088	.2053	.2103	247.50
270.00	.0546	.0243	.0210	.0111	-.0120	-.0570	-.0879	-.0810	-.0819	-.0832	-.0833	-.0823	270.00
292.50	-.1551	-.1667		-.1787	-.1862	-.2007	-.1981	-.1720	-.1574	-.1534	-.1475	-.1482	292.50
315.00	-.1765	-.2132	-.2130	-.2089	-.2019	-.2079	-.1950	-.1751	-.1604	-.1550	-.1499	-.1457	315.00
337.50	-.1922	-.2144	-.2172	-.2113	-.2022	-.2081	-.1971	-.1766	-.1609	-.1564		-.1447	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1877	-.1956	-.1878	-.1857	-.1854	-.1826	-.1720	-.1846	-.1831	-.1556	-.1531	-.1571	0.00
22.50	-.2065	-.2144	-.2038	-.1915	-.1911	-.1930	-.1715	-.1830	-.1807	-.1577	-.1555	-.1586	22.50
45.00	-.1966	-.2182	-.2049	-.1908	-.1907	-.1933	-.1680	-.1825	-.1791	-.1562	-.1541	-.1567	45.00
67.50	-.1852	-.1835	-.1862	-.1845	-.1951	-.2061	-.1834	-.1853	-.1806	-.1546	-.1526	-.1544	67.50
90.00	.0076	.0150	.0045	-.0018	-.0256	-.0676	-.0917	-.0919	-.0859	-.0796	-.0799	-.0843	90.00
112.50	.3814	.3731	.3665	.3581	.3134	.2397	.2240	.2236	.2212	.2202	.2266	.2202	112.50
135.00	.9343	.9093	.8997	.8835	.8155	.6895	.6704	.6631	.6643	.6663	.6663		135.00
157.50	1.3781	1.3927	1.3803	1.3659	1.2856	1.1369	1.1208	1.1129	1.1037	1.0996	1.0978	1.0763	157.50
180.00	1.5899	1.5825	1.5805	1.5666	1.4863	1.3205	1.3134		1.2843	1.2764	1.2748	1.2468	180.00
202.50	1.4212	1.4107	1.3978	1.3807	1.2937	1.1468	1.1388	1.1208	1.1129	1.1054	1.1015	1.0813	202.50
225.00	.9658	.9402	.9306		.8476	.7125	.6769	.6807	.6813	.6817	.6806	.6608	225.00
247.50	.4317	.4020	.3908	.3922	.3239	.2655	.2402	.2369	.2349	.2397	.2355	.2302	247.50
270.00	.0621	.0302	.0240	.0088	-.0185	-.0445	-.0820	-.0722	-.0715	-.0730	-.0729	-.0747	270.00
292.50	-.1551	-.1668		-.1817	-.1899	-.1942	-.1873	-.1806	-.1758	-.1523	-.1517	-.1526	292.50
315.00	-.1773	-.2147	-.2013	-.1948	-.1901	-.1909	-.1856	-.1822	-.1790	-.1545	-.1536	-.1534	315.00
337.50	-.1932	-.2157	-.2035	-.1955	-.1907	-.1907	-.1876	-.1827	-.1809	-.1559		-.1561	337.50

TABLE I.- Continued

(c) $M_{\infty} = 2.96$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1255	.1425	.1438	.1463	.1448	-.0003	.0045	.0042	.0070	.0054	.0060	.0045	0.00
22.50	.1168	.1319	.1358	.1389	.1368	-.0085	-.0000	-.0020	.0009	.0016	.0018	.0023	22.50
45.00	.1029	.1188	.1198	.1232	.1216	-.0164	-.0015	-.0072	-.0051	-.0041	-.0050	-.0058	45.00
67.50	.0817	.0996	.0995	.1031	.1042	-.0257	-.0206	-.0159	-.0140	-.0131	-.0140	-.0129	67.50
90.00	.0676	.0809	.0790	.0826	.0830	-.0344	-.0243	-.0217	-.0210	-.0186	-.0182	-.0156	90.00
112.50	.0535	.0651	.0640	.0661	.0702	-.0398	-.0363	-.0268	-.0226	-.0179	-.0156	-.0135	112.50
135.00	.0479	.0558	.0558	.0584	.0615	-.0438	-.0373	-.0263	-.0192	-.0131	-.0076		135.00
157.50	.0426	.0524	.0510	.0553	.0561	-.0458	-.0405	-.0251	-.0152	-.0077	-.0053	-.0027	157.50
180.00	.0434	.0509	.0478	.0546	.0543	-.0440	-.0376		-.0143	-.0060	-.0036	-.0020	180.00
202.50	.0464	.0534	.0517	.0561	.0570	-.0463	-.0426	-.0259	-.0158	-.0077	-.0061	-.0028	202.50
225.00	.0532	.0563	.0566	.0566	.0630	-.0454	-.0428	-.0283	-.0199	-.0124	-.0108	-.0072	225.00
247.50	.0513	.0690	.0662	.0700	.0719	-.0431	-.0398	-.0279	-.0241	-.0175	-.0161	-.0141	247.50
270.00	.0702	.0853	.0821	.0850	.0855	-.0359	-.0309	-.0190	-.0213	-.0177	-.0175	-.0167	270.00
292.50	.0922	.1043	.1029	.1052	.1055	-.0256	-.0271	-.0164	-.0139	-.0108	-.0121	-.0123	292.50
315.00	.1231	.1225	.1236	.1255	.1254	-.0171	-.0183	-.0087	-.0060	-.0027	-.0041	-.0042	315.00
337.50	.1225	.1362	.1389	.1405	.1398	-.0106	-.0132	-.0024	.0004	.0028		.0026	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0769	.0952	.0927	.0898	.0870	-.0291	-.0152	-.0154	-.0095	-.0078	-.0060	-.0087	0.00
22.50	.0712	.0899	.0931	.0881	.0850	-.0357	-.0177	-.0186	-.0127	-.0093	-.0076	-.0075	22.50
45.00	.0750	.0899	.0932	.0877	.0858	-.0358	-.0141	-.0178	-.0124	-.0091	-.0078	-.0073	45.00
67.50	.0699	.0895	.0870	.0877	.0884	-.0353	-.0256	-.0171	-.0119	-.0085	-.0073	-.0071	67.50
90.00	.0765	.0895	.0871	.0880	.0880	-.0336	-.0221	-.0160	-.0107	-.0074	-.0063	-.0060	90.00
112.50	.0738	.0881	.0872	.0892	.0887	-.0330	-.0275	-.0158	-.0104	-.0063	-.0051	-.0053	112.50
135.00	.0768	.0870	.0873	.0906	.0893	-.0328	-.0251	-.0156	-.0103	-.0058	-.0016		135.00
157.50	.0726	.0897	.0873	.0908	.0902	-.0331	-.0267	-.0162	-.0104	-.0050	-.0025	-.0013	157.50
180.00	.0781	.0899	.0877	.0920	.0924	-.0312	-.0243		-.0110	-.0050	-.0031		180.00
202.50	.0817	.0922	.0880	.0929	.0939	-.0326	-.0279	-.0158	-.0106	-.0048	-.0038	-.0011	202.50
225.00	.0872	.0904	.0884		.0937	-.0317	-.0299	-.0155	-.0098	-.0043	-.0038	-.0013	225.00
247.50	.0724	.0948	.0887	.0946	.0925	-.0323	-.0302	-.0158	-.0100	-.0046	-.0043	-.0031	247.50
270.00	.0837	.0952	.0890	.0915	.0909	-.0328	-.0278	-.0153	-.0105	-.0053	-.0049	-.0034	270.00
292.50	.0847	.0949	.0890	.0894	.0888	-.0338	-.0313	-.0171	-.0110	-.0059	-.0059	-.0049	292.50
315.00	.0938	.0932	.0890	.0888	.0875	-.0353	-.0308	-.0181	-.0122	-.0067	-.0066	-.0060	315.00
337.50	.0792	.0927	.0890	.0878	.0860	-.0359	-.0325	-.0188	-.0129	-.0072		-.0072	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0453	.0549	.0528	.0519	.0509	-.0398	-.0272	-.0242	-.0134	-.0086	-.0057	-.0050	0.00
22.50	.0410	.0532	.0506	.0520	.0512	-.0494	-.0299	-.0276	-.0174	-.0110	-.0084	-.0055	22.50
45.00	.0487	.0578	.0543	.0541	.0572	-.0495	-.0261	-.0293	-.0226	-.0165	-.0141	-.0115	45.00
67.50	.0504	.0667	.0625	.0627	.0674	-.0461	-.0360	-.0305	-.0277	-.0232	-.0213	-.0179	67.50
90.00	.0687	.0830	.0782	.0787	.0794	-.0388	-.0269	-.0249	-.0249	-.0237	-.0239	-.0216	90.00
112.50	.0894	.1017	.1006	.1006	.1008	-.0275	-.0256	-.0171	-.0157	-.0155	-.0159	-.0161	112.50
135.00	.1157	.1212	.1228	.1227	.1228	-.0165	-.0145	-.0072	-.0056	-.0048	-.0024		135.00
157.50	.1265	.1422	.1395	.1391	.1404	-.0094	-.0087	.0003	.0027	.0038	.0041	.0050	157.50
180.00	.1429	.1480	.1469	.1471	.1490	-.0048	-.0031		.0058	.0071	.0076	.0083	180.00
202.50	.1399	.1463	.1428	.1436	.1445	-.0070	-.0087	.0015	.0041	.0052	.0045	.0060	202.50
225.00	.1290	.1285	.1289		.1289	-.0152	-.0174	-.0057	-.0031	-.0015	-.0034	-.0030	225.00
247.50	.0875	.1097	.1062	.1106	.1065	-.0255	-.0265	-.0155	-.0137	-.0125	-.0142	-.0147	247.50
270.00	.0780	.0877	.0839	.0828	.0840	-.0354	-.0328	-.0247	-.0237	-.0216	-.0220	-.0217	270.00
292.50	.0629	.0703	.0658	.0643	.0691	-.0433	-.0424	-.0306	-.0270	-.0217	-.0206	-.0191	292.50
315.00	.0612	.0591	.0551	.0549	.0577	-.0486	-.0448	-.0310	-.0236	-.0155	-.0143	-.0118	315.00
337.50	.0471	.0543	.0500	.0509	.0511	-.0502	-.0464	-.0284	-.0180	-.0102		-.0061	337.50

TABLE I.- Continued

(c) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0246	.0323	.0285	.0281	.0283	-.0485	-.0348	-.0283	-.0168	-.0114	-.0076	-.0077	0.00
22.50	.0169	.0267	.0194	.0261	.0250	-.0612	-.0385	-.0357	-.0259	-.0204	-.0194	-.0182	22.50
45.00	.0219	.0259	.0205	.0220	.0243	-.0664	-.0399	-.0503	-.0381	-.0311	-.0273	-.0242	45.00
67.50	.0219	.0351	.0299	.0297	.0323	-.0653	-.0561	-.0637	-.0656	-.0666	-.0647	-.0606	67.50
90.00	.0509	.0615	.0585	.0604	.0612	-.0503	-.0427	-.0506	-.0565	-.0612	-.0640	-.0666	90.00
112.50	.0973	.1079	.1078	.1085	.1107	-.0249	-.0276	-.0248	-.0296	-.0328	-.0344	-.0375	112.50
135.00	.1593	.1604	.1630	.1636	.1635	.0028	-.0003	.0043	.0014	.0001	.0014		135.00
157.50	.1945	.2076	.2047	.2044	.2038	.0223	.0188	.0264	.0268	.0259	.0255	.0233	157.50
180.00	.2222	.2207	.2200	.2210	.2195	.0315	.0292		.0359	.0363	.0355	.0339	180.00
202.50	.2118	.2131	.2083	.2096	.2076	.0248	.0197	.0285	.0290	.0283	.0268	.0257	202.50
225.00	.1750	.1706	.1717		.1697	.0059	-.0007	.0069	.0069	.0050	.0028	.0015	225.00
247.50	.0984	.1198	.1168	.1191	.1176	-.0208	-.0274	-.0214	-.0242	-.0277	-.0308	-.0322	247.50
270.00	.0617	.0674	.0653	.0641	.0643	-.0461	-.0477	-.0488	-.0532	-.0571	-.0603	-.0630	270.00
292.50	.0359	.0376	.0332	.0315	.0321	-.0618	-.0652	-.0630	-.0662	-.0637	-.0629	-.0607	292.50
315.00	.0338	.0260	.0208	.0201	.0231	-.0662	-.0624	-.0519	-.0434	-.0292	-.0287	-.0263	315.00
337.50	.0233	.0268	.0205	.0235	.0241	-.0629	-.0572	-.0377	-.0290	-.0231		-.0230	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0038	.0148	.0118	.0131	.0110	-.0653	-.0423	-.0373	-.0253	-.0211	-.0184	-.0202	0.00
22.50	-.0077	-.0015	-.0075	.0024	.0045	-.0670	-.0459	-.0501	-.0518	-.0596	-.0664	-.0697	22.50
45.00	-.0036	-.0056	-.0132	-.0176	-.0154	-.0858	-.0574	-.0758	-.0804	-.0771	-.0776	-.0758	45.00
67.50	-.0134	-.0067	-.0123	-.0126	-.0159	-.0912	-.0830	-.0990	-.0926	-.0826	-.0799	-.0769	67.50
90.00	.0290	.0369	.0335	.0373	.0355	-.0653	-.0567	-.0742	-.0804	-.0842	-.0857	-.0858	90.00
112.50	.1084	.1171	.1166	.1195	.1181	-.0209	-.0256	-.0271	-.0329	-.0367	-.0395	-.0411	112.50
135.00	.2139	.2090	.2116	.2138	.2126	.0285	.0200	.0239	.0186	.0159	.0177		135.00
157.50	.2636	.2764	.2710	.2742	.2724	.0651	.0542	.0639	.0615	.0600	.0596	.0578	157.50
180.00	.3009	.2986	.2958	.2997	.2967	.0828	.0700		.0787	.0787	.0774	.0761	180.00
202.50	.2804	.2821	.2755	.2793	.2757	.0689	.0557	.0661	.0649	.0627	.0614	.0603	202.50
225.00	.2275	.2218	.2203		.2189	.0337	.0202	.0283	.0256	.0228	.0204	.0192	225.00
247.50	.1128	.1320	.1308	.1308	.1271	-.0144	-.0231	-.0204	-.0236	-.0300	-.0338	-.0340	247.50
270.00	.0444	.0437	.0430	.0418	.0404	-.0574	-.0599	-.0667	-.0736	-.0778	-.0823	-.0820	270.00
292.50	.0025	-.0049	-.0085	-.0129	-.0143	-.0874	-.0921	-.0981	-.0933	-.0803	-.0787	-.0757	292.50
315.00	.0083	-.0063	-.0135	-.0196	-.0175	-.0879	-.0831	-.0775	-.0824	-.0711	-.0737	-.0706	315.00
337.50	-.0003	-.0024	-.0084	-.0018	.0010	-.0687	-.0671	-.0559	-.0592	-.0616		-.0735	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0097	.0015	-.0010	-.0027	-.0030	-.0809	-.0538	-.0587	-.0533	-.0509	-.0550	-.0589	0.00
22.50	-.0368	-.0371	-.0392	-.0371	-.0337	-.0860	-.0550	-.0804	-.0948	-.1023	-.1002	-.0961	22.50
45.00	-.0290	-.0372	-.0425	-.0408	-.0539	-.1050	-.0698	-.0983	-.0952	-.0888	-.0858	-.0842	45.00
67.50	-.0476	-.0489	-.0525	-.0519	-.0540	-.1103	-.0955	-.1059	-.0982	-.0879	-.0877	-.0830	67.50
90.00	.0165	.0228	.0196	.0284	.0236	-.0695	-.0630	-.0811	-.0849	-.0886	-.0931	-.0908	90.00
112.50	.1300	.1369	.1365	.1407	.1413	-.0075	-.0163	-.0180	-.0279	-.0302	-.0307	-.0342	112.50
135.00	.2636	.2592	.2614	.2659	.2625	.0635	.0494	.0533	.0468	.0441	.0440		135.00
157.50	.3405	.3571	.3489	.3551	.3522	.1247	.1143	.1178	.1141	.1109	.1088	.1078	157.50
180.00	.3931	.3907	.3850	.3923	.3882	.1522	.1461		.1421	.1387	.1370	.1366	180.00
202.50	.3601	.3624	.3529	.3598	.3549	.1297	.1182	.1211	.1190	.1135	.1119	.1127	202.50
225.00	.2795	.2756	.2708		.2688	.0695	.0501	.0595	.0538	.0502	.0477	.0479	225.00
247.50	.1381	.1532	.1510	.1524	.1490	.0004	-.0110	-.0118	-.0169	-.0241	-.0267	-.0252	247.50
270.00	.0376	.0348	.0325	.0263	.0304	-.0608	-.0650	-.0720	-.0798	-.0821	-.0895	-.0868	270.00
292.50	-.0266	-.0433	-.0438	-.0499	-.0521	-.1041	-.1056	-.1053	-.0998	-.0866	-.0862	-.0816	292.50
315.00	-.0150	-.0377	-.0438	-.0486	-.0581	-.1072	-.0984	-.0997	-.0944	-.0857	-.0838	-.0788	315.00
337.50	-.0271	-.0387	-.0418	-.0353	-.0302	-.0844	-.0768	-.0896	-.1014	-.0988		-.0939	337.50

TABLE I.- Continued

(c) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0235	-.0158	-.0180	-.0174	-.0201	-.0887	-.0732	-.0783	-.0786	-.0875	-.0824	-.0766	0.00
22.50	-.0621	-.0665	-.0686	-.0693	-.0743	-.1113	-.0746	-.1063	-.1038	-.0998	-.1002	-.0995	22.50
45.00	-.0514	-.0667	-.0719	-.0696	-.0761	-.1143	-.0723	-.1046	-.0954	-.0955	-.0959	-.0965	45.00
67.50	-.0667	-.0695	-.0728	-.0697	-.0686	-.1168	-.0964	-.1047	-.1036	-.0974	-.0955	-.0929	67.50
90.00	.0134	.0180	.0196	.0219	.0227	-.0701	-.0619	-.0803	-.0895	-.0879	-.0939	-.0936	90.00
112.50	.1579	.1622	.1650	.1662	.1670	.0085	-.0028	-.0035	-.0146	-.0149	-.0182	-.0211	112.50
135.00	.3187	.3154	.3172	.3243	.3185	.1087	.0899	.0929	.0842	.0792	.0788		135.00
157.50	.4249	.4458	.4366	.4453	.4403	.1958	.1918	.1833	.1754	.1729	.1714	.1698	157.50
180.00	.4957	.4934	.4874	.4959	.4903	.2305	.2291		.2130	.2113	.2101	.2105	180.00
202.50	.4497	.4536	.4417	.4517	.4440	.2012	.1969	.1884	.1802	.1761	.1747	.1757	202.50
225.00	.3388	.3324	.3269		.3250	.1151	.0913	.0991	.0905	.0869	.0837	.0824	225.00
247.50	.1689	.1812	.1780	.1819	.1773	.0184	.0038	.0036	-.0016	-.0116	-.0114	-.0136	247.50
270.00	.0374	.0343	.0322	.0290	.0273	-.0591	-.0630	-.0713	-.0775	-.0853	-.0883	-.0866	270.00
292.50	-.0396	-.0603	-.0634	-.0671	-.0667	-.1092	-.1076	-.1025	-.1013	-.0935	-.0919	-.0904	292.50
315.00	-.0350	-.0666	-.0710	-.0731	-.0778	-.1132	-.1017	-.1038	-.1012	-.0924	-.0945	-.0909	315.00
337.50	-.0514	-.0693	-.0726	-.0796	-.0743	-.1134	-.1024	-.1088	-.1057	-.0960		-.0979	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0370	-.0358	-.0354	-.0331	-.0334	-.0937	-.0812	-.0897	-.0940	-.0986	-.0918	-.0860	0.00
22.50	-.0768	-.0829	-.0849	-.0867	-.0920	-.1171	-.0822	-.1127	-.1090	-.1074	-.1087	-.1084	22.50
45.00	-.0653	-.0843	-.0890	-.0848	-.0931	-.1190	-.0764	-.1118	-.1080	-.1049	-.1051	-.1041	45.00
67.50	-.0752	-.0780	-.0786	-.0704	-.0777	-.1179	-.1020	-.1132	-.1122	-.1047	-.1053	-.1040	67.50
90.00	.0142	.0212	.0203	.0230	.0230	-.0645	-.0599	-.0796	-.0823	-.0878	-.0879	-.0898	90.00
112.50	.1898	.1940	.1957	.2010	.2011	.0305	.0132	.0151	.0056	-.0010	.0008	-.0016	112.50
135.00	.3796	.3758	.3789	.3862	.3810	.1611	.1471	.1414	.1326	.1271	.1285		135.00
157.50	.5174	.5427	.5344	.5420	.5367	.2655	.2659	.2521	.2445	.2450	.2444	.2444	157.50
180.00	.6071	.6045	.5992	.6060	.6004	.3079	.3084		.2845	.2877	.2858	.2885	180.00
202.50	.5459	.5512	.5393	.5476	.5396	.2706	.2706	.2561	.2487	.2476	.2459	.2479	202.50
225.00	.4037	.3955	.3888		.3860	.1683	.1484	.1481	.1413	.1346	.1327	.1343	225.00
247.50	.2057	.2184	.2098	.2105	.2028	.0411	.0206	.0201	.0145	.0080	.0046	.0076	247.50
270.00	.0408	.0379	.0325	.0277	.0294	-.0533	-.0599	-.0690	-.0734	-.0790	-.0832	-.0812	270.00
292.50	-.0450	-.0659	-.0680	-.0720	-.0741	-.1109	-.1122	-.1107	-.1088	-.1012	-.1028	-.1003	292.50
315.00	-.0477	-.0858	-.0893	-.0926	-.0920	-.1182	-.1072	-.1111	-.1101	-.1012	-.1035	-.1005	315.00
337.50	-.0655	-.0876	-.0890	-.0932	-.0958	-.1213	-.1121	-.1141	-.1106	-.1044		-.1065	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0472	-.0479	-.0561	-.0555	-.0600	-.0994	-.0853	-.1011	-.1083	-.0993	-.1011	-.1083	0.00
22.50	-.0860	-.0934	-.0979	-.0980	-.1049	-.1249	-.0849	-.1185	-.1155	-.1150	-.1150	-.1145	22.50
45.00	-.0737	-.0967	-.1020	-.0970	-.1040	-.1262	-.0800	-.1186	-.1140	-.1105	-.1106	-.1108	45.00
67.50	-.0797	-.0840	-.0839	-.0778	-.0822	-.1218	-.1039	-.1231	-.1185	-.1113	-.1115	-.1109	67.50
90.00	.0171	.0250	.0235	.0268	.0275	-.0617	-.0571	-.0747	-.0801	-.0805	-.0836	-.0862	90.00
112.50	.2228	.2258	.2270	.2290	.2313	.0530	.0328	.0325	.0291	.0253	.0231	.0214	112.50
135.00	.4428	.4404	.4443	.4538	.4489	.2157	.2111	.1962	.1878	.1843	.1877		135.00
157.50	.6142	.6452	.6384	.6464	.6403	.3401	.3410	.3250	.3178	.3232	.3232	.3255	157.50
180.00	.7267	.7240	.7205	.7275	.7219	.3939	.3963		.3705	.3792	.3784	.3830	180.00
202.50	.6474	.6525	.6434	.6523	.6436	.3451	.3482	.3283	.3224	.3257	.3259	.3303	202.50
225.00	.4714	.4624	.4547		.4549	.2228	.2159	.2032	.1941	.1938	.1919	.1947	225.00
247.50	.2357	.2445	.2364	.2465	.2399	.0655	.0404	.0393	.0348	.0311	.0289	.0327	247.50
270.00	.0459	.0388	.0382	.0326	.0309	-.0482	-.0560	-.0622	-.0715	-.0744	-.0775	-.0750	270.00
292.50	-.0483	-.0701	-.0732	-.0773	-.0774	-.1127	-.1137	-.1184	-.1133	-.1063	-.1091	-.1068	292.50
315.00	-.0555	-.0979	-.1009	-.1010	-.1029	-.1224	-.1116	-.1170	-.1140	-.1068	-.1101	-.1074	315.00
337.50	-.0739	-.1003	-.1015	-.1042	-.1058	-.1262	-.1159	-.1185	-.1152	-.1123		-.1126	337.50

TABLE I.- Continued

(c) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0630	-.0978	-.0892	-.0855	-.0925	-.1084	-.0893	-.1254	-.1218	-.1251	-.1248	-.1233	0.00
22.50	-.0912	-.0942	-.1043	-.1083	-.1220	-.1326	-.0928	-.1312	-.1232	-.1167	-.1150	-.1148	22.50
45.00	-.0773	-.0920	-.1026	-.1083	-.1244	-.1354	-.0881	-.1319	-.1193	-.1072	-.1053	-.1079	45.00
67.50	-.0826	-.0862	-.0874	-.0838	-.0865	-.1230	-.1054	-.1271	-.1250	-.1053	-.1016	-.1018	67.50
90.00	.0210	.0300	.0285	.0291	.0309	-.0561	-.0529	-.0709	-.0772	-.0750	-.0744	-.0770	90.00
112.50	.2510	.2526	.2545	.2566	.2601	.0756	.0554	.0571	.0509	.0469	.0515	.0503	112.50
135.00	.5102	.5063	.5128	.5215	.5161	.2660	.2637	.2503	.2469	.2475	.2501	.2501	135.00
157.50	.7175	.7523	.7480	.7541	.7503	.4221	.4247	.4083	.4066	.4187	.4192	.4228	157.50
180.00	.8497	.8450	.8442	.8493	.8481	.4894	.4920		.4762	.4892	.4877	.4944	180.00
202.50	.7516	.7590	.7501	.7587	.7530	.4284	.4315	.4112	.4128	.4214	.4194	.4259	202.50
225.00	.5405	.5314	.5227		.5224	.2754	.2652	.2561	.2528	.2563	.2538	.2576	225.00
247.50	.2655	.2700	.2648	.2720	.2637	.0911	.0625	.0632	.0646	.0574	.0551	.0595	247.50
270.00	.0519	.0427	.0419	.0388	.0368	-.0413	-.0505	-.0582	-.0620	-.0664	-.0694	-.0665	270.00
292.50	-.0504	-.0741	-.0754	-.0810	-.0809	-.1118	-.1122	-.1116	-.1111	-.1219	-.1258	-.1228	292.50
315.00	-.0646	-.1226	-.1163	-.1073	-.1009	-.1198	-.1077	-.1112	-.1155	-.1220	-.1269	-.1217	315.00
337.50	-.0841	-.1212	-.1154	-.1103	-.1051	-.1253	-.1147	-.1154	-.1229	-.1252		-.1229	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0739	-.1023	-.0896	-.1068	-.1071	-.1102	-.0879	-.1270	-.1214	-.1229	-.1231	-.1218	0.00
22.50	-.1026	-.0973	-.1205	-.1208	-.1250	-.1317	-.0891	-.1197	-.1205	-.1241	-.1250	-.1198	22.50
45.00	-.0884	-.0968	-.1252	-.1234	-.1296	-.1337	-.0825	-.1166	-.1148	-.1221	-.1221	-.1175	45.00
67.50	-.0848	-.0884	-.0912	-.0843	-.0913	-.1223	-.1046	-.1212	-.1179	-.1255	-.1260	-.1223	67.50
90.00	.0250	.0378	.0333	.0371	.0380	-.0501	-.0480	-.0632	-.0670	-.0667	-.0690	-.0703	90.00
112.50	.2803	.2813	.2807	.2842	.2891	.1008	.0777	.0836	.0792	.0800	.0803	.0819	112.50
135.00	.5783	.5742	.5810	.5881	.5836	.3199	.3179	.3070	.3026	.3134	.3135	.3155	135.00
157.50	.8217	.8605	.8561	.8589	.8620	.5062	.5137	.5054	.5132	.5240	.5212	.5272	157.50
180.00	.9765	.9701	.9686	.9710	.9788	.5861	.5952		.5988	.6115	.6064	.6144	180.00
202.50	.8587	.8661	.8586	.8654	.8647	.5126	.5207	.5089	.5171	.5267	.5212	.5304	202.50
225.00	.6088	.5986	.5917		.5893	.3292	.3186	.3149	.3104	.3228	.3195	.3276	225.00
247.50	.2957	.2936	.2902	.3013	.2914	.1172	.0895	.0933	.0915	.0870	.0866	.0955	247.50
270.00	.0568	.0514	.0490	.0443	.0413	-.0336	-.0450	-.0505	-.0548	-.0587	-.0620	-.0579	270.00
292.50	-.0516	-.0753	-.0766	-.0813	-.0844	-.1114	-.1134	-.1186	-.1207	-.1201	-.1187	-.1098	292.50
315.00	-.0657	-.1267	-.1071	-.1001	-.1077	-.1250	-.1207	-.1318	-.1290	-.1174	-.1176	-.1125	315.00
337.50	-.0865	-.1280	-.1086	-.1046	-.1119	-.1301	-.1264	-.1324	-.1297	-.1205		-.1188	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0735	-.0906	-.0923	-.0993	-.1081	-.1113	-.0877	-.1251	-.1252	-.1247	-.1227	-.1187	0.00
22.50	-.1056	-.1140	-.1216	-.1117	-.1185	-.1312	-.0917	-.1300	-.1265	-.1248	-.1229	-.1164	22.50
45.00	-.0909	-.1182	-.1275	-.1112	-.1177	-.1310	-.0857	-.1309	-.1247	-.1219	-.1198	-.1129	45.00
67.50	-.0859	-.0903	-.0928	-.0856	-.0912	-.1221	-.1046	-.1265	-.1273	-.1261	-.1248	-.1159	67.50
90.00	.0308	.0444	.0377	.0424	.0421	-.0459	-.0410	-.0570	-.0612	-.0592	-.0587	-.0598	90.00
112.50	.3076	.3076	.3052	.3101	.3097	.1233	.1096	.1110	.1136	.1167	.1200	.1204	112.50
135.00	.6442	.6411	.6451	.6540	.6479	.3686	.3772	.3736	.3734	.3848	.3822	.3822	135.00
157.50	.9238	.9691	.9587	.9644	.9684	.5867	.6059	.6122	.6251	.6330	.6267	.6289	157.50
180.00	1.1038	1.0998	1.0955	1.1003	1.1073	.6827	.7052		.7303	.7368	.7300	.7331	180.00
202.50	.9652	.9771	.9657	.9725	.9709	.5943	.6147	.6170	.6292	.6344	.6275	.6340	202.50
225.00	.6772	.6835	.6597		.6542	.3787	.3788	.3842	.3835	.3944	.3900	.3957	225.00
247.50	.3253	.3319	.3177	.3299	.3141	.1421	.1228	.1275	.1241	.1242	.1267	.1321	247.50
270.00	.0638	.0569	.0549	.0476	.0479	-.0287	-.0388	-.0402	-.0458	-.0508	-.0512	-.0465	270.00
292.50	-.0520	-.0763	-.0770	-.0855	-.0847	-.1102	-.1132	-.1184	-.1194	-.1197	-.1201	-.1141	292.50
315.00	-.0674	-.1224	-.1126	-.1222	-.1281	-.1316	-.1200	-.1220	-.1239	-.1169	-.1174	-.1112	315.00
337.50	-.0881	-.1206	-.1148	-.1237	-.1270	-.1339	-.1253	-.1257	-.1263	-.1197		-.1129	337.50

TABLE I.- Continued

(c) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0764	-.0917	-.0934	-.1016	-.1073	-.1092	-.0877	-.1216	-.1157	-.1070	-.1021	-.0984	0.00
22.50	-.1091	-.1175	-.1205	-.1145	-.1270	-.1314	-.0893	-.1187	-.1145	-.1070	-.1020	-.0971	22.50
45.00	-.0939	-.1236	-.1253	-.1151	-.1296	-.1335	-.0834	-.1171	-.1142	-.1059	-.1007	-.0981	45.00
67.50	-.0866	-.0910	-.0934	-.0858	-.0913	-.1210	-.1035	-.1227	-.1208	-.1085	-.1009	-.1009	67.50
90.00	.0357	.0495	.0427	.0479	.0479	-.0401	-.0354	-.0464	-.0514	-.0468	-.0456	-.0452	90.00
112.50	.3344	.3327	.3306	.3379	.3363	.1446	.1527	.1538	.1531	.1581	.1607	.1611	112.50
135.00	.7106	.7050	.7099	.7202	.7136	.4169	.4417	.4446	.4475	.4574	.4530		135.00
157.50	1.0360	1.0762	1.0674	1.0742	1.0769	.6718	.7137	.7286	.7441	.7424	.7364	.7375	157.50
180.00	1.2314	1.2167	1.2220	1.2274	1.2348	.7821	.8295		.8652	.8610	.8555	.8560	180.00
202.50	1.0832	1.0939	1.0776	1.0814	1.0779	.6779	.7235	.7360	.7477	.7455	.7382	.7422	202.50
225.00	.7474	.7586	.7287		.7193	.4276	.4416	.4514	.4558	.4673	.4599	.4665	225.00
247.50	.3547	.3558	.3439	.3577	.3422	.1624	.1653	.1598	.1649	.1656	.1667	.1722	247.50
270.00	.0695	.0675	.0614	.0542	.0526	-.0236	-.0320	-.0327	-.0364	-.0391	-.0388	-.0344	270.00
292.50	-.0519	-.0761	-.0768	-.0857	-.0858	-.1090	-.1109	-.1162	-.1107	-.0991	-.0966	-.0879	292.50
315.00	-.0677	-.1217	-.1187	-.1238	-.1233	-.1301	-.1219	-.1232	-.1118	-.0998	-.0978	-.0895	315.00
337.50	-.0883	-.1212	-.1204	-.1237	-.1237	-.1335	-.1267	-.1251	-.1140	-.1016		-.0916	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0757	-.0953	-.0961	-.1034	-.1089	-.1048	-.0854	-.1150	-.1078	-.1003	-.0983	-.0980	0.00
22.50	-.1094	-.1193	-.1224	-.1171	-.1267	-.1264	-.0856	-.1145	-.1061	-.0992	-.0975	-.0976	22.50
45.00	-.0944	-.1252	-.1273	-.1184	-.1282	-.1282	-.0802	-.1140	-.1053	-.0988	-.0974	-.0983	45.00
67.50	-.0881	-.0919	-.0948	-.0872	-.0934	-.1215	-.1031	-.1209	-.1101	-.1006	-.0993	-.1000	67.50
90.00	.0408	.0539	.0482	.0522	.0532	-.0384	-.0283	-.0417	-.0408	-.0352	-.0335	-.0319	90.00
112.50	.3578	.3538	.3535	.3601	.3590	.1647	.1870	.1877	.1932	.1975	.2005	.2010	112.50
135.00	.7740	.7630	.7724	.7789	.7726	.4702	.5130	.5133	.5180	.5263	.5213		135.00
157.50	1.1426	1.1771	1.1709	1.1746	1.1754	.7692	.8275	.8414	.8521	.8466	.8431	.8401	157.50
180.00	1.3432	1.3364	1.3389	1.3415	1.3457	.8948	.9672		.9911	.9822	.9791	.9775	180.00
202.50	1.1926	1.2018	1.1793	1.1773	1.1752	.7762	.8404	.8492	.8572	.8491	.8448	.8457	202.50
225.00	.8130	.8037	.7922		.7771	.4833	.5129	.5257	.5288	.5354	.5282	.5348	225.00
247.50	.3833	.3783	.3678	.3798	.3609	.1841	.1975	.1976	.2050	.2039	.2052	.2094	247.50
270.00	.0780	.0745	.0655	.0583	.0577	-.0213	-.0227	-.0260	-.0262	-.0273	-.0268	-.0224	270.00
292.50	-.0528	-.0763	-.0782	-.0871	-.0875	-.1103	-.1105	-.1138	-.1032	-.0966	-.0970	-.0957	292.50
315.00	-.0677	-.1228	-.1226	-.1260	-.1250	-.1232	-.1156	-.1135	-.1055	-.0961	-.0970	-.0952	315.00
337.50	-.0885	-.1224	-.1234	-.1261	-.1259	-.1252	-.1204	-.1139	-.1062	-.0965		-.0951	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0706	-.0957	-.0965	-.0990	-.1016	-.0968	-.0782	-.1037	-.1018	-.1011	-.1003	-.0968	0.00
22.50	-.1091	-.1197	-.1230	-.1099	-.1144	-.1159	-.0783	-.1025	-.0996	-.1004	-.1017	-.1010	22.50
45.00	-.0944	-.1250	-.1278	-.1100	-.1152	-.1179	-.0735	-.1023	-.0992	-.0988	-.1028	-.1053	45.00
67.50	-.0888	-.0926	-.0951	-.0874	-.0947	-.1207	-.0996	-.1060	-.1031	-.1013	-.1060	-.1127	67.50
90.00	.0454	.0583	.0537	.0570	.0532	-.0333	-.0221	-.0336	-.0297	-.0220	-.0220	-.0230	90.00
112.50	.3795	.3754	.3780	.3826	.3703	.2033	.2238	.2207	.2283	.2329	.2326	.2341	112.50
135.00	.8333	.8205	.8334	.8352	.8089	.5618	.5841	.5830	.5853	.5913	.5854		135.00
157.50	1.2406	1.2700	1.2663	1.2682	1.2339	.9131	.9451	.9557	.9561	.9482	.9472	.9448	157.50
180.00	1.4481	1.4468	1.4493	1.4514	1.4171	1.0691	1.1135		1.1131	1.1015	1.0984	1.1022	180.00
202.50	1.2883	1.2881	1.2754	1.2718	1.2362	.9222	.9609	.9627	.9603	.9479	.9470	.9457	202.50
225.00	.8672	.8510	.8517		.8110	.5772	.5818	.5968	.5943	.6007	.5927	.6004	225.00
247.50	.4077	.4005	.3898	.3979	.3711	.2234	.2362	.2319	.2357	.2379	.2368	.2418	247.50
270.00	.0857	.0747	.0701	.0606	.0573	-.0150	-.0149	-.0162	-.0143	-.0148	-.0149	-.0112	270.00
292.50	-.0535	-.0754	-.0788	-.0875	-.0903	-.1096	-.1076	-.1015	-.0972	-.0995	-.0989	-.1017	292.50
315.00	-.0677	-.1216	-.1231	-.1169	-.1149	-.1153	-.1034	-.1020	-.0997	-.0968	-.0983	-.0963	315.00
337.50	-.0891	-.1218	-.1240	-.1181	-.1150	-.1167	-.1067	-.1023	-.1000	-.0975		-.0940	337.50

TABLE I.- Continued

(c) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0725	-.0957	-.0911	-.0935	-.0959	-.0877	-.0742	-.1016	-.1014	-.1005	-.0964	-.1003	0.00
22.50	-.1098	-.1199	-.1150	-.1028	-.1072	-.1059	-.0744	-.1005	-.0998	-.0998	-.1012	-.1021	22.50
45.00	-.0947	-.1251	-.1176	-.1025	-.1077	-.1058	-.0699	-.1002	-.0994	-.0980	-.1008	-.1033	45.00
67.50	-.0891	-.0939	-.0953	-.0884	-.0981	-.1139	-.0947	-.1045	-.1055	-.1021	-.1051	-.1108	67.50
90.00	.0487	.0614	.0564	.0589	.0478	-.0177	-.0164	-.0248	-.0184	-.0129	-.0130	-.0128	90.00
112.50	.3978	.3947	.3953	.3983	.3718	.2610	.2520	.2540	.2577	.2610	.2598	.2617	112.50
135.00	.8894	.8760	.8847	.8825	.8333	.6517	.6493	.6496	.6498	.6539	.6485	.6485	135.00
157.50	1.3278	1.3545	1.3497	1.3503	1.2838	1.0433	1.0578	1.0589	1.0563	1.0491	1.0466	1.0502	157.50
180.00	1.5436	1.5456	1.5459	1.5460	1.4760	1.2167	1.2438		1.2278	1.2198	1.2157	1.2262	180.00
202.50	1.3691	1.3675	1.3560	1.3507	1.2824	1.0462	1.0741	1.0653	1.0603	1.0500	1.0490	1.0533	202.50
225.00	.9201	.9072	.9024		.8335	.6630	.6481	.6599	.6588	.6627	.6567	.6566	225.00
247.50	.4315	.4260	.4074	.4117	.3724	.2760	.2600	.2604	.2648	.2649	.2637	.2697	247.50
270.00	.0919	.0780	.0740	.0618	.0518	.0042	-.0099	-.0071	-.0035	-.0059	-.0060	-.0035	270.00
292.50	-.0542	-.0763	-.0796	-.0889	-.0934	-.1077	-.1026	-.0992	-.0989	-.1001	-.0991	-.1023	292.50
315.00	-.0678	-.1218	-.1141	-.1086	-.1073	-.1067	-.0982	-.0998	-.1000	-.0963	-.0972	-.0982	315.00
337.50	-.0894	-.1221	-.1155	-.1097	-.1073	-.1085	-.1009	-.1001	-.1003	-.0971		-.0988	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0747	-.0947	-.0869	-.0914	-.0927	-.0854	-.0731	-.1016	-.1019	-.0978	-.1016	-.1026	0.00
22.50	-.1097	-.1188	-.1087	-.1002	-.1036	-.1017	-.0730	-.1004	-.1005	-.0979	-.1021	-.1014	22.50
45.00	-.0939	-.1235	-.1106	-.0999	-.1038	-.1023	-.0687	-.1001	-.0999	-.0970	-.1002	-.0986	45.00
67.50	-.0892	-.0940	-.0954	-.0904	-.1007	-.1132	-.0929	-.1062	-.1083	-.1035	-.1087	-.1071	67.50
90.00	.0511	.0650	.0591	.0588	.0432	.0016	-.0104	-.0151	-.0096	-.0041	-.0043	-.0025	90.00
112.50	.4104	.4110	.4096	.4093	.3730	.2888	.2794	.2826	.2827	.2882	.2864	.2914	112.50
135.00	.9398	.9264	.9282	.9179	.8577	.7157	.7167	.7096	.7081	.7142	.7109		135.00
157.50	1.4007	1.4268	1.4206	1.4123	1.3372	1.1590	1.1649	1.1539	1.1490	1.1480	1.1463	1.1486	157.50
180.00	1.6238	1.6293	1.6288	1.6209	1.5439	1.3532	1.3677		1.3391	1.3348	1.3321	1.3394	180.00
202.50	1.4403	1.4417	1.4288	1.4180	1.3381	1.1632	1.1800	1.1610	1.1544	1.1471	1.1462	1.1506	202.50
225.00	.9726	.9545	.9470		.8604	.7299	.7131	.7192	.7183	.7229	.7181	.7233	225.00
247.50	.4534	.4354	.4215	.4300	.3748	.3074	.2882	.2904	.2920	.2934	.2913	.2942	247.50
270.00	.0984	.0818	.0761	.0638	.0468	.0195	-.0038	.0038	.0065	.0029	.0026	.0066	270.00
292.50	-.0545	-.0776	-.0801	-.0908	-.0963	-.1024	-.1006	-.1002	-.1010	-.1017	-.1044	-.1041	292.50
315.00	-.0672	-.1205	-.1081	-.1055	-.1035	-.1006	-.0966	-.1000	-.1007	-.0960	-.0994	-.1012	315.00
337.50	-.0891	-.1207	-.1093	-.1063	-.1037	-.1011	-.0992	-.1002	-.1011	-.0957		-.0996	337.50

TABLE I.- Continued

(d) $M_\infty = 4.63$

ALPHA = -4.0 DEG													
THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.1380	.1435	.1409	.1376	.1298	.0376	.0154	.0157	.0173	.0128	.0116	.0048	0.00
22.50	.1177	.1208	.1186	.1267	.1162	.0095	.0090	.0067	.0086	.0085	.0061	.0032	22.50
45.00	.1015	.1076	.1055	.1146	.1033	.0027	.0018	.0018	.0030	.0042	.0016	-.0011	45.00
67.50	.0883	.0902	.0875	.0982	.0876	-.0035	-.0011	-.0043	-.0042	-.0009	-.0043	-.0061	67.50
90.00	.0702	.0731	.0709	.0818	.0707	-.0049	-.0061	-.0059	-.0052	-.0030	-.0060	-.0069	90.00
112.50	.0583	.0591	.0579	.0683	.0581	-.0057	-.0081	-.0063	-.0056	-.0016	-.0042	-.0065	112.50
135.00	.0503	.0501	.0495	.0595	.0497	-.0063	-.0087	-.0070	-.0054	.0011	.0117		135.00
157.50	.0472	.0453	.0441	.0511	.0475	-.0054	-.0110	-.0064	-.0043	.0040	.0008	.0105	157.50
180.00	.0483	.0496	.0467	.0604	.0513	.0059	-.0100		-.0037	.0059	.0035	.0022	180.00
202.50		.0460	.0442	.0513	.0521	-.0046	-.0091	.0044	-.0047	.0062	.0006	.0040	202.50
225.00	.1233	.0492	.0480	.0500	.0500	-.0062	-.0059	.0050	-.0023	.0042	-.0008	.0008	225.00
247.50	.0630	.0594	.0563	.0635	.0581	-.0064	-.0088	-.0070	-.0060	.0035	-.0037	-.0053	247.50
270.00	.0737	.0731	.0697	.0740	.0709	-.0054	-.0077	-.0065	-.0067	.0038	-.0035	-.0048	270.00
292.50	.0895	.0901		.0895	.0880	-.0033	-.0058	-.0044	-.0045	.0070	-.0021	-.0046	292.50
315.00	.1089	.1081	.1126	.1056	.1049	.0014	.0000	.0011	.0007	.0106	.0033	.0037	315.00
337.50	.1413	.1216	.1184	.1176	.1178	.0064	.0048	.0055	.0050	.0151		.0062	337.50

ALPHA = 0 DEG													
THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.0974	.0976	.0969	.0931	.0829	.0324	.0029	.0034	.0054	.0048	.0033	-.0019	0.00
22.50	.0715	.0737	.0719	.0813	.0704	.0003	-.0005	-.0016	.0012	.0034	.0007	-.0021	22.50
45.00	.0691	.0728	.0705	.0818	.0711	-.0030	-.0035	-.0020	.0005	.0035	.0008	-.0020	45.00
67.50	.0699	.0730	.0702	.0829	.0723	-.0039	-.0002	-.0017	-.0008	.0036	.0005	-.0020	67.50
90.00	.0710	.0740	.0709	.0833	.0730	-.0035	-.0020	-.0015	-.0006	.0040	.0007	-.0012	90.00
112.50	.0739	.0742	.0721	.0831	.0739	-.0030	-.0028	-.0014	-.0003	.0057	.0018	-.0012	112.50
135.00	.0748	.0741	.0729	.0828	.0744	-.0030	-.0027	-.0015	-.0002	.0065	.0165		135.00
157.50	.0756	.0757	.0737	.0812	.0751	-.0027	-.0041	-.0011	-.0001	.0076	.0031	.0110	157.50
180.00	.0777	.0782	.0758	.0882	.0772	.0056	-.0030		-.0004	.0088	.0051	.0032	180.00
202.50		.0773	.0746	.0810	.0798	-.0023	-.0026	.0074	-.0007	.0101	.0030	.0058	202.50
225.00	.1339	.0761	.0744	.0807	.0755	-.0022	.0011	.0004	.0047	.0103	.0037	.0053	225.00
247.50	.0797	.0779	.0742	.0807	.0751	-.0025	-.0036	-.0016	-.0003	.0111	.0025	.0013	247.50
270.00	.0785	.0772	.0738	.0771	.0738	-.0030	-.0033	-.0020	-.0011	.0116	.0033	.0027	270.00
292.50	.0773	.0761		.0754	.0725	-.0031	-.0040	-.0018	-.0011	.0114	.0021	.0004	292.50
315.00	.0783	.0746	.0716	.0746	.0713	-.0035	-.0047	-.0024	-.0017	.0105	.0018	.0029	315.00
337.50	.1028	.0737	.0713	.0725	.0701	-.0034	-.0048	-.0025	-.0020	.0100		.0011	337.50

ALPHA = 4.0 DEG													
THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.0724	.0718	.0698	.0670	.0572	.0279	-.0063	-.0061	-.0023	-.0002	-.0008	-.0053	0.00
22.50	.0427	.0440	.0413	.0507	.0415	-.0060	-.0090	-.0096	-.0055	-.0023	-.0037	-.0062	22.50
45.00	.0437	.0460	.0439	.0540	.0454	-.0101	-.0118	-.0099	-.0073	-.0044	-.0061	-.0086	45.00
67.50	.0513	.0544	.0516	.0642	.0543	-.0097	-.0069	-.0091	-.0089	-.0053	-.0083	-.0105	67.50
90.00	.0660	.0688	.0656	.0784	.0706	-.0063	-.0055	-.0064	-.0061	-.0032	-.0068	-.0090	90.00
112.50	.0875	.0874	.0857	.0969	.0896	-.0008	-.0011	-.0014	-.0018	.0030	-.0008	-.0046	112.50
135.00	.1078	.1065	.1067	.1156	.1088	.0051	.0054	.0049	.0045	.0101	.0199		135.00
157.50	.1203	.1243	.1225	.1283	.1237	.0097	.0092	.0099	.0096	.0165	.0122	.0190	157.50
180.00	.1308	.1319	.1305	.1375	.1304	.0173	.0123		.0121	.0200	.0166	.0140	180.00
202.50		.1289	.1259	.1290	.1277	.0114	.0111	.0167	.0105	.0196	.0132	.0151	202.50
225.00	.1617	.1137	.1128		.1117	.0071	.0104	.0077	.0111	.0154	.0091	.0098	225.00
247.50	.0947	.0960	.0930	.0970	.0918	.0007	.0000	.0008	.0014	.0106	.0016	-.0003	247.50
270.00	.0779	.0751	.0726	.0746	.0717	-.0051	-.0061	-.0051	-.0049	.0062	-.0030	-.0039	270.00
292.50	.0620	.0590		.0586	.0548	-.0090	-.0104	-.0086	-.0084	.0037	-.0065	-.0081	292.50
315.00	.0533	.0481	.0455	.0474	.0449	-.0107	-.0127	-.0104	-.0092	.0037	-.0052	-.0034	315.00
337.50	.0790	.0432	.0405	.0414	.0407	-.0102	-.0131	-.0102	-.0085	.0063		-.0027	337.50

TABLE I.- Continued

(d) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0582	.0581	.0560	.0542	.0413	.0249	-.0123	-.0114	-.0078	-.0065	-.0075	-.0111	0.00
22.50	.0245	.0253	.0222	.0342	.0210	-.0112	-.0145	-.0160	-.0140	-.0139	-.0165	-.0184	22.50
45.00	.0221	.0235	.0208	.0347	.0212	-.0181	-.0191	-.0177	-.0158	-.0142	-.0163	-.0188	45.00
67.50	.0299	.0326	.0296	.0458	.0317	-.0172	-.0153	-.0190	-.0191	-.0151	-.0180	-.0202	67.50
90.00	.0558	.0586	.0560	.0730	.0615	-.0100	-.0105	-.0129	-.0133	-.0122	-.0168	-.0186	90.00
112.50	.1003	.1006	.0994	.1132	.1045	.0032	.0021	.0004	-.0018	.0015	-.0027	-.0073	112.50
135.00	.1470	.1457	.1473	.1568	.1502	.0203	.0197	.0175	.0148	.0187	.0276	.0352	135.00
157.50	.1775	.1856	.1834	.1887	.1856	.0352	.0341	.0322	.0299	.0345	.0299	.0352	157.50
180.00	.1995	.2010	.1994	.2042	.2001	.0457	.0406	.0366	.0366	.0414	.0381	.0355	180.00
202.50		.1922	.1880	.1902	.1885	.0387	.0363	.0369	.0321	.0378	.0313	.0329	202.50
225.00	.1953	.1567	.1561	.1547	.1547	.0252	.0255	.0213	.0230	.0245	.0182	.0186	225.00
247.50	.1107	.1140	.1106	.1116	.1087	.0080	.0047	.0034	.0025	.0089	.0003	-.0015	247.50
270.00	.0733	.0686	.0667	.0672	.0648	-.0060	-.0091	-.0105	-.0121	-.0024	-.0129	-.0135	270.00
292.50	.0421	.0376	.0382	.0382	.0331	-.0142	-.0186	-.0182	-.0191	-.0065	-.0173	-.0190	292.50
315.00	.0299	.0241	.0218	.0218	.0183	-.0178	-.0202	-.0183	-.0182	-.0060	-.0159	-.0151	315.00
337.50	.0624	.0222	.0197	.0176	.0179	-.0166	-.0190	-.0170	-.0176	-.0051	-.0163	-.0163	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0466	.0467	.0461	.0425	.0292	.0173	-.0186	-.0172	-.0162	-.0165	-.0185	-.0228	0.00
22.50	.0081	.0083	.0062	.0164	.0015	-.0184	-.0217	-.0246	-.0226	-.0216	-.0245	-.0275	22.50
45.00	.0023	.0023	.0005	.0137	-.0052	-.0264	-.0263	-.0253	-.0232	-.0200	-.0232	-.0264	45.00
67.50	.0083	.0105	.0083	.0250	.0124	-.0244	-.0232	-.0267	-.0263	-.0208	-.0240	-.0272	67.50
90.00	.0479	.0507	.0476	.0653	.0564	-.0134	-.0140	-.0165	-.0175	-.0153	-.0208	-.0236	90.00
112.50	.1165	.1176	.1173	.1277	.1241	.0089	.0096	.0064	.0025	.0060	.0009	-.0049	112.50
135.00	.1932	.1918	.1944	.2039	.1987	.0430	.0421	.0382	.0326	.0358	.0434	.0506	135.00
157.50	.2466	.2595	.2565	.2620	.2601	.0733	.0714	.0665	.0616	.0641	.0606	.0634	157.50
180.00	.2834	.2848	.2829	.2876	.2852	.0900	.0843	.0744	.0744	.0764	.0740	.0708	180.00
202.50		.2681	.2622	.2650	.2633	.0786	.0751	.0710	.0656	.0678	.0627	.0637	202.50
225.00	.2440	.2071	.2063	.2045	.2045	.0507	.0492	.0438	.0429	.0418	.0371	.0374	225.00
247.50	.1317	.1356	.1316	.1345	.1296	.0180	.0144	.0118	.0092	.0133	.0059	.0042	247.50
270.00	.0704	.0659	.0630	.0646	.0612	-.0077	-.0123	-.0125	-.0147	-.0054	-.0153	-.0160	270.00
292.50	.0234	.0184	.0172	.0172	.0127	-.0225	-.0256	-.0247	-.0252	-.0111	-.0219	-.0240	292.50
315.00	.0099	.0026	.0012	.0001	-.0052	-.0271	-.0269	-.0254	-.0247	-.0116	-.0214	-.0204	315.00
337.50	.0506	.0049	.0027	.0013	-.0020	-.0238	-.0263	-.0253	-.0254	-.0120	-.0236	-.0236	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0393	.0402	.0394	.0360	.0183	.0119	-.0247	-.0246	-.0245	-.0213	-.0252	-.0283	0.00
22.50	-.0041	-.0038	-.0060	.0085	-.0134	-.0244	-.0264	-.0285	-.0261	-.0248	-.0288	-.0309	22.50
45.00	-.0103	-.0104	-.0126	.0051	-.0173	-.0303	-.0298	-.0291	-.0265	-.0239	-.0277	-.0305	45.00
67.50	-.0018	.0006	.0001	.0165	.0010	-.0287	-.0256	-.0296	-.0299	-.0246	-.0293	-.0319	67.50
90.00	.0480	.0497	.0485	.0669	.0534	-.0135	-.0132	-.0161	-.0181	-.0157	-.0214	-.0248	90.00
112.50	.1403	.1423	.1395	.1504	.1426	.0218	.0202	.0162	.0108	.0147	.0089	.0028	112.50
135.00	.2495	.2470	.2482	.2564	.2512	.0759	.0718	.0655	.0584	.0605	.0657	.0700	135.00
157.50	.3303	.3464	.3404	.3461	.3429	.1239	.1196	.1122	.1066	.1065	.1035	.1050	157.50
180.00	.3842	.3835	.3799	.3850	.3809	.1476	.1406	.1273	.1263	.1242	.1223	.1200	180.00
202.50		.3570	.3471	.3509	.3466	.1304	.1250	.1164	.1121	.1101	.1058	.1081	202.50
225.00	.2979	.2670	.2628	.2578	.2578	.0858	.0804	.0733	.0711	.0675	.0628	.0643	225.00
247.50	.1581	.1625	.1559	.1577	.1511	.0333	.0273	.0237	.0210	.0226	.0150	.0143	247.50
270.00	.0746	.0699	.0686	.0630	.0585	-.0053	-.0097	-.0112	-.0139	-.0054	-.0158	-.0156	270.00
292.50	.0152	.0097	.0108	.0108	.0013	-.0254	-.0280	-.0273	-.0280	-.0142	-.0266	-.0275	292.50
315.00	-.0022	-.0100	-.0102	-.0105	-.0181	-.0303	-.0301	-.0287	-.0279	-.0148	-.0254	-.0239	315.00
337.50	.0423	-.0076	-.0096	-.0112	-.0154	-.0295	-.0304	-.0285	-.0283	-.0145	-.0262	-.0262	337.50

TABLE I.- Continued

(d) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0345	.0353	.0364	.0329	.0151	.0137	-.0272	-.0283	-.0273	-.0290	-.0286	-.0313	0.00
22.50	-.0117	-.0114	-.0127	.0047	-.0205	-.0251	-.0282	-.0309	-.0287	-.0272	-.0309	-.0325	22.50
45.00	-.0182	-.0183	-.0194	.0025	-.0229	-.0315	-.0320	-.0312	-.0291	-.0262	-.0302	-.0319	45.00
67.50	-.0068	-.0043	-.0070	.0137	-.0064	-.0298	-.0271	-.0312	-.0318	-.0274	-.0322	-.0336	67.50
90.00	.0510	.0548	.0512	.0699	.0534	-.0104	-.0113	-.0150	-.0165	-.0139	-.0207	-.0222	90.00
112.50	.1657	.1681	.1657	.1743	.1693	.0377	.0348	.0290	.0234	.0262	.0234	.0166	112.50
135.00	.3102	.3087	.3093	.3149	.3101	.1151	.1077	.0996	.0921	.0958	.1011	.1011	135.00
157.50	.4231	.4468	.4371	.4396	.4374	.1838	.1759	.1668	.1618	.1636	.1636	.1645	157.50
180.00	.4954	.4982	.4916	.4927	.4902	.2156	.2052	.1907	.1907	.1931	.1931	.1927	180.00
202.50		.4563	.4442	.4455	.4408	.1907	.1821	.1718	.1675	.1683	.1665	.1690	202.50
225.00	.3537	.3338	.3259		.3175	.1264	.1167	.1090	.1063	.1035	.1003	.1027	225.00
247.50	.1847	.1904	.1874	.1847	.1785	.0524	.0434	.0390	.0362	.0366	.0294	.0295	247.50
270.00	.0799	.0749	.0703	.0710	.0596	-.0007	-.0073	-.0081	-.0112	-.0025	-.0136	-.0127	270.00
292.50	.0110	.0058		.0047	-.0035	-.0259	-.0292	-.0280	-.0294	-.0160	-.0293	-.0297	292.50
315.00	-.0098	-.0179	-.0172	-.0172	-.0242	-.0327	-.0324	-.0308	-.0301	-.0162	-.0280	-.0260	315.00
337.50	.0373	-.0158	-.0168	-.0189	-.0222	-.0318	-.0327	-.0308	-.0307	-.0158		-.0284	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0312	.0313	.0322	.0277	.0085	.0110	-.0285	-.0309	-.0287	-.0285	-.0312	-.0308	0.00
22.50	-.0175	-.0171	-.0180	.0018	-.0258	-.0289	-.0306	-.0328	-.0304	-.0283	-.0318	-.0313	22.50
45.00	-.0243	-.0245	-.0251	-.0006	-.0285	-.0348	-.0348	-.0333	-.0307	-.0271	-.0302	-.0307	45.00
67.50	-.0103	-.0077	-.0099	.0124	-.0100	-.0312	-.0281	-.0319	-.0325	-.0283	-.0322	-.0321	67.50
90.00	.0546	.0593	.0566	.0710	.0625	-.0078	-.0074	-.0126	-.0145	-.0109	-.0173	-.0194	90.00
112.50	.1911	.1955	.1916	.2009	.1948	.0553	.0522	.0443	.0390	.0432	.0417	.0354	112.50
135.00	.3718	.3724	.3747	.3785	.3728	.1589	.1493	.1408	.1338	.1409	.1467	.1467	135.00
157.50	.5186	.5491	.5420	.5404	.5374	.2512	.2414	.2321	.2322	.2391	.2399	.2411	157.50
180.00	.6126	.6151	.6129	.6127	.6057	.2942	.2808		.2745	.2819	.2828	.2841	180.00
202.50		.5588	.5513	.5500	.5416	.2596	.2475	.2361	.2387	.2434	.2432	.2468	202.50
225.00	.4133	.3949	.3938		.3809	.1701	.1579	.1511	.1511	.1514	.1498	.1531	225.00
247.50	.2123	.2174	.2157	.2128	.2002	.0720	.0627	.0580	.0547	.0552	.0489	.0525	247.50
270.00	.0872	.0811	.0808	.0702	.0662	.0046	-.0019	-.0037	-.0064	.0002	-.0085	-.0090	270.00
292.50	.0087	.0037		.0008	-.0056	-.0267	-.0300	-.0285	-.0293	-.0159	-.0292	-.0282	292.50
315.00	-.0146	-.0226	-.0211	-.0206	-.0282	-.0335	-.0339	-.0315	-.0310	-.0163	-.0281	-.0248	315.00
337.50	.0345	-.0206	-.0210	-.0229	-.0263	-.0339	-.0342	-.0317	-.0319	-.0161		-.0266	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0291	.0293	.0284	.0242	-.0002	.0114	-.0297	-.0318	-.0307	-.0287	-.0337	-.0298	0.00
22.50	-.0201	-.0194	-.0203	.0014	-.0303	-.0299	-.0317	-.0338	-.0309	-.0285	-.0342	-.0301	22.50
45.00	-.0269	-.0268	-.0270	-.0003	-.0319	-.0360	-.0361	-.0342	-.0312	-.0272	-.0326	-.0292	45.00
67.50	-.0113	-.0093	-.0103	.0116	-.0117	-.0319	-.0280	-.0321	-.0326	-.0283	-.0350	-.0307	67.50
90.00	.0605	.0653	.0622	.0775	.0592	-.0041	-.0034	-.0091	-.0108	-.0054	-.0150	-.0152	90.00
112.50	.2192	.2209	.2196	.2282	.2199	.0760	.0721	.0646	.0605	.0677	.0625	.0597	112.50
135.00	.4385	.4362	.4430	.4478	.4413	.2065	.1955	.1867	.1872	.1954	.1986	.1986	135.00
157.50	.6231	.6531	.6474	.6522	.6453	.3262	.3149	.3084	.3197	.3298	.3304	.3319	157.50
180.00	.7387	.7354	.7345	.7419	.7301	.3809	.3665		.3781	.3888	.3892	.3904	180.00
202.50		.6649	.6553	.6619	.6491	.3349	.3214	.3128	.3274	.3349	.3348	.3391	202.50
225.00	.4787	.4581	.4614		.4507	.2200	.2036	.1977	.2043	.2070	.2036	.2099	225.00
247.50	.2425	.2473	.2434	.2418	.2299	.0965	.0851	.0821	.0805	.0786	.0709	.0773	247.50
270.00	.0958	.0876	.0866	.0774	.0687	.0103	.0034	.0024	-.0003	.0064	-.0062	-.0012	270.00
292.50	.0081	.0032		-.0007	-.0110	-.0253	-.0293	-.0277	-.0286	-.0156	-.0317	-.0273	292.50
315.00	-.0171	-.0250	-.0233	-.0240	-.0345	-.0335	-.0348	-.0315	-.0311	-.0166	-.0303	-.0243	315.00
337.50	.0327	-.0232	-.0239	-.0274	-.0335	-.0336	-.0351	-.0320	-.0325	-.0159		-.0263	337.50

TABLE I.- Continued

(d) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0278	.0281	.0267	.0231	.0028	.0093	-.0304	-.0322	-.0311	-.0267	-.0284	-.0297	0.00
22.50	-.0224	-.0212	-.0217	-.0003	-.0284	-.0324	-.0315	-.0331	-.0305	-.0265	-.0288	-.0292	22.50
45.00	-.0293	-.0287	-.0287	-.0024	-.0297	-.0378	-.0361	-.0336	-.0306	-.0257	-.0283	-.0290	45.00
67.50	-.0123	-.0101	-.0113	.0112	-.0101	-.0336	-.0283	-.0321	-.0326	-.0277	-.0308	-.0309	67.50
90.00	.0670	.0720	.0673	.0829	.0711	-.0010	.0015	-.0038	-.0051	-.0013	-.0067	-.0113	90.00
112.50	.2474	.2494	.2472	.2577	.2497	.0979	.0933	.0883	.0871	.0919	.0906	.0859	112.50
135.00	.5054	.5046	.5102	.5169	.5098	.2586	.2451	.2448	.2469	.2568	.2617	.2550	135.00
157.50	.7292	.7641	.7524	.7659	.7552	.4105	.3981	.4060	.4202	.4324	.4324	.4316	157.50
180.00	.8695	.8649	.8573	.8735	.8597	.4800	.4648	.4660	.4963	.5088	.5079	.5069	180.00
202.50		.7749	.7583	.7729	.7582	.4189	.4056	.4092	.4271	.4364	.4363	.4391	202.50
225.00	.5452	.5231	.5261		.5180	.2718	.2541	.2553	.2642	.2697	.2689	.2739	225.00
247.50	.2727	.2750	.2709	.2684	.2625	.1210	.1082	.1043	.1089	.1040	.1011	.1073	247.50
270.00	.1048	.0963	.0932	.0835	.0784	.0162	.0099	.0121	.0074	.0110	.0023	.0074	270.00
292.50	.0083	.0032		-.0011	-.0087	-.0264	-.0259	-.0269	-.0277	-.0150	-.0268	-.0243	292.50
315.00	-.0183	-.0265	-.0246	-.0245	-.0323	-.0357	-.0359	-.0323	-.0312	-.0156	-.0254	-.0215	315.00
337.50	.0316	-.0254	-.0254	-.0273	-.0314	-.0367	-.0361	-.0326	-.0323	-.0144		-.0236	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0276	.0280	.0274	.0228	.0023	.0128	-.0293	-.0296	-.0265	-.0231	-.0257	-.0272	0.00
22.50	-.0235	-.0220	-.0224	-.0004	-.0296	-.0289	-.0304	-.0303	-.0259	-.0224	-.0260	-.0270	22.50
45.00	-.0305	-.0296	-.0295	-.0027	-.0308	-.0343	-.0347	-.0306	-.0256	-.0218	-.0255	-.0264	45.00
67.50	-.0124	-.0099	-.0115	.0120	-.0096	-.0298	-.0273	-.0307	-.0297	-.0240	-.0283	-.0286	67.50
90.00	.0742	.0806	.0745	.0905	.0796	.0096	.0079	.0038	.0022	.0049	.0003	-.0013	90.00
112.50	.2776	.2790	.2786	.2840	.2798	.1249	.1179	.1159	.1142	.1199	.1220	.1202	112.50
135.00	.5787	.5771	.5833	.5837	.5791	.3146	.3014	.3093	.3133	.3238	.3283	.3283	135.00
157.50	.8436	.8815	.8679	.8741	.8666	.4989	.4906	.5134	.5326	.5395	.5374	.5320	157.50
180.00	1.0099	1.0041	.9941	1.0003	.9913	.5838	.5739		.6245	.6327	.6264	.6213	180.00
202.50		.8928	.8734	.8825	.8705	.5084	.5000	.5173	.5391	.5438	.5413	.5384	202.50
225.00	.6192	.5966	.5993		.5873	.3295	.3121	.3211	.3310	.3371	.3349	.3375	225.00
247.50	.3059	.3039	.3026	.3002	.2876	.1482	.1346	.1346	.1369	.1327	.1311	.1396	247.50
270.00	.1151	.1045	.1027	.0916	.0895	.0276	.0177	.0195	.0162	.0181	.0099	.0157	270.00
292.50	.0096	.0046		-.0014	-.0049	-.0228	-.0277	-.0252	-.0249	-.0124	-.0250	-.0227	292.50
315.00	-.0189	-.0275	-.0250	-.0250	-.0325	-.0338	-.0347	-.0293	-.0262	-.0126	-.0237	-.0202	315.00
337.50	.0312	-.0263	-.0261	-.0277	-.0317	-.0346	-.0350	-.0298	-.0271	-.0113		-.0232	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0279	.0290	.0297	.0232	.0020	.0125	-.0278	-.0274	-.0256	-.0226	-.0249	-.0266	0.00
22.50	-.0241	-.0223	-.0228	-.0008	-.0298	-.0296	-.0287	-.0275	-.0243	-.0218	-.0253	-.0268	22.50
45.00	-.0313	-.0302	-.0300	-.0029	-.0310	-.0346	-.0328	-.0276	-.0244	-.0214	-.0252	-.0266	45.00
67.50	-.0119	-.0091	-.0114	.0118	-.0097	-.0300	-.0268	-.0298	-.0292	-.0242	-.0286	-.0300	67.50
90.00	.0834	.0894	.0816	.0964	.0861	.0144	.0145	.0096	.0082	.0115	.0095	.0071	90.00
112.50	.3108	.3091	.3069	.3124	.3118	.1493	.1451	.1446	.1412	.1509	.1539	.1514	112.50
135.00	.6569	.6479	.6483	.6519	.6473	.3710	.3627	.3755	.3800	.3904	.3951	.3951	135.00
157.50	.9651	.9982	.9786	.9857	.9757	.5901	.5968	.6252	.6392	.6440	.6400	.6368	157.50
180.00	1.1571	1.1395	1.1244	1.1323	1.1205	.6908	.7033		.7485	.7553	.7464	.7434	180.00
202.50		1.0088	.9852	.9978	.9819	.6006	.6087	.6317	.6471	.6500	.6444	.6427	202.50
225.00	.6972	.6784	.6657		.6564	.3861	.3758	.3916	.3991	.4043	.4022	.4033	225.00
247.50	.3417	.3342	.3303	.3297	.3163	.1735	.1623	.1649	.1667	.1627	.1630	.1686	247.50
270.00	.1264	.1151	.1107	.0981	.0973	.0349	.0267	.0281	.0257	.0238	.0195	.0253	270.00
292.50	.0109	.0060		-.0008	-.0071	-.0216	-.0267	-.0238	-.0236	-.0126	-.0247	-.0229	292.50
315.00	-.0195	-.0277	-.0251	-.0255	-.0325	-.0323	-.0327	-.0266	-.0252	-.0123	-.0231	-.0203	315.00
337.50	.0309	-.0269	-.0267	-.0285	-.0316	-.0331	-.0330	-.0270	-.0257	-.0112		-.0223	337.50

TABLE I.- Continued

(d) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0285	.0299	.0311	.0236	.0006	.0132	-.0259	-.0266	-.0247	-.0216	-.0247	-.0265	0.00
22.50	-.0244	-.0225	-.0228	-.0003	-.0316	-.0291	-.0266	-.0267	-.0237	-.0211	-.0247	-.0265	22.50
45.00	-.0316	-.0304	-.0301	-.0027	-.0327	-.0361	-.0304	-.0268	-.0239	-.0205	-.0243	-.0268	45.00
67.50	-.0113	-.0084	-.0105	.0122	-.0117	-.0300	-.0257	-.0291	-.0287	-.0240	-.0287	-.0307	67.50
90.00	.0916	.0973	.0896	.1034	.0914	.0197	.0225	.0173	.0148	.0211	.0192	.0160	90.00
112.50	.3409	.3400	.3378	.3402	.3349	.1719	.1730	.1746	.1730	.1826	.1851	.1818	112.50
135.00	.7315	.7247	.7192	.7196	.7121	.4278	.4371	.4479	.4530	.4580	.4625	.4580	135.00
157.50	1.0813	1.1226	1.0962	1.0951	1.0855	.6845	.7221	.7457	.7466	.7496	.7446	.7428	157.50
180.00	1.2970	1.2847	1.2609	1.2584	1.2528	.8014	.8511		.8747	.8770	.8682	.8674	180.00
202.50		1.1347	1.1017	1.1043	1.0909	.6955	.7359	.7541	.7556	.7562	.7490	.7488	202.50
225.00	.7703	.7697	.7355		.7221	.4434	.4495	.4633	.4702	.4705	.4689	.4688	225.00
247.50	.3737	.3759	.3611	.3583	.3448	.1974	.1942	.1940	.1977	.1951	.1939	.2006	247.50
270.00	.1361	.1251	.1202	.1069	.1036	.0413	.0358	.0371	.0349	.0346	.0301	.0366	270.00
292.50	.0120	.0076		.0008	-.0070	-.0217	-.0249	-.0224	-.0225	-.0123	-.0240	-.0213	292.50
315.00	-.0198	-.0279	-.0244	-.0250	-.0327	-.0317	-.0305	-.0256	-.0244	-.0119	-.0219	-.0186	315.00
337.50	.0306	-.0270	-.0264	-.0281	-.0318	-.0326	-.0308	-.0258	-.0251	-.0111		-.0210	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0291	.0311	.0323	.0241	.0057	.0189	-.0231	-.0243	-.0222	-.0184	-.0209	-.0220	0.00
22.50	-.0243	-.0221	-.0227	.0010	-.0254	-.0236	-.0235	-.0241	-.0211	-.0179	-.0211	-.0221	22.50
45.00	-.0316	-.0301	-.0299	-.0018	-.0259	-.0283	-.0272	-.0243	-.0212	-.0171	-.0209	-.0219	45.00
67.50	-.0114	-.0076	-.0102	.0129	-.0085	-.0275	-.0238	-.0272	-.0264	-.0210	-.0260	-.0270	67.50
90.00	.0950	.1042	.0964	.1101	.0997	.0265	.0314	.0246	.0225	.0318	.0296	.0265	90.00
112.50	.3562	.3676	.3645	.3663	.3601	.1921	.2060	.2025	.2052	.2140	.2141	.2116	112.50
135.00	.7750	.7934	.7823	.7842	.7702	.4763	.5177	.5212	.5235	.5240	.5256	.5256	135.00
157.50	1.1577	1.2359	1.2034	1.2034	1.1835	.7705	.8504	.8666	.8524	.8541	.8447	.8503	157.50
180.00	1.3865	1.4144	1.3889	1.3831	1.3690	.9039	1.0052		.9987	.9977	.9858	.9924	180.00
202.50		1.2505	1.2116	1.2104	1.1878	.7817	.8664	.8758	.8600	.8583	.8468	.8523	202.50
225.00	.8171	.8331	.8020		.7808	.4933	.5246	.5396	.5390	.5355	.5313	.5339	225.00
247.50	.3933	.3993	.3899	.3870	.3704	.2194	.2271	.2243	.2284	.2246	.2230	.2300	247.50
270.00	.1417	.1343	.1290	.1143	.1106	.0507	.0462	.0460	.0440	.0445	.0406	.0476	270.00
292.50	.0123	.0090		.0016	-.0046	-.0177	-.0228	-.0203	-.0197	-.0111	-.0215	-.0182	292.50
315.00	-.0197	-.0274	-.0228	-.0235	-.0271	-.0261	-.0273	-.0233	-.0216	-.0097	-.0190	-.0158	315.00
337.50	.0312	-.0264	-.0262	-.0266	-.0271	-.0269	-.0276	-.0236	-.0225	-.0094		-.0185	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0298	.0321	.0334	.0236	.0078	.0228	-.0210	-.0217	-.0198	-.0168	-.0200	-.0216	0.00
22.50	-.0245	-.0222	-.0222	.0006	-.0233	-.0205	-.0213	-.0213	-.0184	-.0164	-.0204	-.0215	22.50
45.00	-.0322	-.0304	-.0298	.0006	-.0233	-.0264	-.0247	-.0213	-.0184	-.0156	-.0201	-.0210	45.00
67.50	-.0114	-.0079	-.0098	.0127	-.0082	-.0268	-.0231	-.0258	-.0242	-.0206	-.0258	-.0261	67.50
90.00	.1020	.1079	.1029	.1161	.1073	.0307	.0386	.0300	.0331	.0417	.0396	.0365	90.00
112.50	.3818	.3846	.3904	.3919	.3872	.2111	.2369	.2329	.2381	.2443	.2441	.2410	112.50
135.00	.8412	.8411	.8449	.8468	.8314	.5303	.5861	.5964	.5916	.5910	.5932	.5932	135.00
157.50	1.2652	1.3160	1.3108	1.3038	1.2839	.8726	.9756	.9815	.9599	.9621	.9524	.9579	157.50
180.00	1.4995	1.5060	1.5149	1.5033	1.4899	1.0279	1.1532		1.1255	1.1224	1.1101	1.1157	180.00
202.50		1.3349	1.3222	1.3144	1.2919	.8879	.9938	.9922	.9682	.9641	.9528	.9589	202.50
225.00	.8799	.8647	.8699		.8433	.5517	.5971	.6104	.6053	.6022	.5983	.6004	225.00
247.50	.4204	.4204	.4178	.4136	.3971	.2411	.2589	.2536	.2606	.2544	.2529	.2592	247.50
270.00	.1501	.1386	.1376	.1220	.1178	.0574	.0565	.0538	.0560	.0549	.0507	.0578	270.00
292.50	.0129	.0093		.0028	-.0050	-.0156	-.0215	-.0187	-.0166	-.0086	-.0204	-.0172	292.50
315.00	-.0197	-.0278	-.0176	-.0195	-.0248	-.0225	-.0250	-.0203	-.0188	-.0071	-.0175	-.0149	315.00
337.50	.0314	-.0267	-.0251	-.0234	-.0245	-.0250	-.0254	-.0207	-.0198	-.0069		-.0173	337.50

TABLE I.- Concluded

(d) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0306	.0333	.0338	.0272	.0112	.0233	-.0169	-.0188	-.0177	-.0145	-.0179	-.0211	0.00
22.50	-.0240	-.0215	-.0202	.0041	-.0193	-.0199	-.0168	-.0179	-.0161	-.0135	-.0180	-.0212	22.50
45.00	-.0317	-.0296	-.0264	.0033	-.0195	-.0241	-.0202	-.0182	-.0163	-.0130	-.0176	-.0204	45.00
67.50	-.0111	-.0077	-.0089	.0140	-.0075	-.0268	-.0217	-.0231	-.0231	-.0189	-.0241	-.0258	67.50
90.00	.1064	.1121	.1092	.1230	.1106	.0372	.0459	.0377	.0436	.0513	.0490	.0450	90.00
112.50	.3983	.4018	.4146	.4143	.4013	.2469	.2625	.2650	.2685	.2736	.2722	.2720	112.50
135.00	.8873	.8845	.9054	.9024	.8690	.6326	.6580	.6630	.6530	.6553	.6541	.6541	135.00
157.50	1.3501	1.3939	1.4101	1.3947	1.3468	1.0339	1.0951	1.0840	1.0659	1.0680	1.0547	1.0627	157.50
180.00	1.5899	1.6025	1.6301	1.6095	1.5638	1.2120	1.2923	1.2481	1.2481	1.2435	1.2287	1.2376	180.00
202.50		1.4190	1.4253	1.4042	1.3546	1.0483	1.1152	1.0905	1.0695	1.0636	1.0495	1.0602	202.50
225.00	.9265	.9146	.9336		.8795	.6564	.6661	.6739	.6651	.6631	.6574	.6664	225.00
247.50	.4395	.4379	.4430	.4353	.4096	.2794	.2829	.2843	.2897	.2821	.2797	.2880	247.50
270.00	.1598	.1442	.1442	.1279	.1205	.0640	.0616	.0629	.0677	.0646	.0603	.0683	270.00
292.50	.0132	.0109		.0034	-.0043	-.0161	-.0201	-.0156	-.0146	-.0070	-.0188	-.0163	292.50
315.00	-.0197	-.0271	-.0101	-.0160	-.0209	-.0214	-.0205	-.0170	-.0166	-.0050	-.0157	-.0153	315.00
337.50	.0312	-.0262	-.0221	-.0196	-.0211	-.0225	-.0207	-.0171	-.0174	-.0045		-.0167	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0302	.0331	.0356	.0296	.0132	.0290	-.0140	-.0167	-.0141	-.0126	-.0169	-.0187	0.00
22.50	-.0243	-.0212	-.0158	.0066	-.0162	-.0139	-.0139	-.0157	-.0128	-.0121	-.0170	-.0184	22.50
45.00	-.0319	-.0292	-.0214	.0064	-.0160	-.0184	-.0171	-.0157	-.0131	-.0114	-.0164	-.0175	45.00
67.50	-.0123	-.0081	-.0086	.0135	-.0098	-.0237	-.0199	-.0211	-.0206	-.0177	-.0232	-.0236	67.50
90.00	.1051	.1141	.1138	.1271	.1082	.0507	.0511	.0476	.0521	.0589	.0569	.0530	90.00
112.50	.4039	.4174	.4351	.4342	.4065	.2971	.2897	.2945	.2946	.2998	.3001	.2990	112.50
135.00	.9227	.9310	.9628	.9549	.8963	.7200	.7291	.7226	.7110	.7185	.7159	.7159	135.00
157.50	1.3970	1.4591	1.5020	1.4797	1.4018	1.1683	1.2067	1.1825	1.1665	1.1710	1.1550	1.1581	157.50
180.00	1.6388	1.6795	1.7374	1.7072	1.6290	1.3662	1.4191	1.3639	1.3643	1.3643	1.3510	1.3525	180.00
202.50		1.4782	1.5117	1.4854	1.4047	1.1764	1.2232	1.1845	1.1626	1.1627	1.1500	1.1563	202.50
225.00	.9509	.9556	.9858		.9001	.7354	.7323	.7327	.7192	.7225	.7164	.7193	225.00
247.50	.4510	.4569	.4605	.4508	.4119	.3244	.3096	.3130	.3150	.3075	.3060	.3096	247.50
270.00	.1572	.1445	.1484	.1309	.1173	.0806	.0683	.0745	.0777	.0721	.0686	.0750	270.00
292.50	.0121	.0097		.0026	-.0064	-.0134	-.0187	-.0133	-.0117	-.0054	-.0171	-.0150	292.50
315.00	-.0199	-.0267	-.0013	-.0123	-.0170	-.0169	-.0176	-.0147	-.0137	-.0031	-.0136	-.0134	315.00
337.50	.0311	-.0257	-.0171	-.0158	-.0172	-.0176	-.0176	-.0151	-.0143	-.0026		-.0148	337.50

TABLE II.- PRESSURE COEFFICIENTS FOR CIRCULAR-ARC—CYLINDER MODEL

(a) $M_{\infty} = 1.6$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.3179	.2523	.1464	.0507	-.0218	-.0382	-.0378	-.0174	-.0102	-.0021	-.0002	.0012	0.00
22.50	.3147	.2552	.1465	.0417	-.0331	-.0485	-.0370	-.0200	-.0105	-.0037	-.0047	-.0044	22.50
45.00	.3029	.2377	.1279	.0338	-.0406	-.0606	-.0375	-.0310	-.0158	-.0082	-.0153	-.0102	45.00
67.50	.2725	.2148	.1035		-.0560	-.0736	-.0478	-.0405	-.0229	-.0189	-.0210	-.0172	67.50
90.00	.2434	.1890	.0747	-.0029	-.0700	-.0835	-.0562	-.0466	-.0278	-.0222	-.0207	-.0199	90.00
112.50	.2109	.1620	.0666	-.0091	-.0770	-.0892	-.0561	-.0353	-.0218	-.0175	-.0162	-.0165	112.50
135.00	.1949	.1516	.0542	-.0187	-.0770	-.0846	-.0451	-.0229	-.0146		-.0098	-.0069	135.00
157.50	.1911	.1403	.0518	-.0186	-.0763	-.0803	-.0405	-.0153	-.0067	-.0069	-.0067	-.0025	157.50
180.00	.1888	.1393	.0468	-.0219	-.0733	-.0767	-.0435		-.0053	.0009	-.0013	-.0033	180.00
202.50	.1918	.1369	.0537	-.0224	-.0749	-.0784	-.0402	-.0132	-.0056	-.0010	-.0017	-.0039	202.50
225.00	.2046	.1476	.0565	-.0200	-.0809	-.0842	-.0493	-.0197	-.0121	-.0064	-.0092	-.0088	225.00
247.50	.2196	.1641	.0645	-.0173	-.0809	-.0851	-.0586	-.0353	-.0196	-.0128	-.0194	-.0180	247.50
270.00	.2410	.1809	.0793	-.0060	-.0745	-.0843	-.0583	-.0411	-.0264	-.0168	-.0226	-.0194	270.00
292.50	.2703	.2095	.0988	.0089	-.0618	-.0739	-.0480	-.0369	-.0244	-.0164	-.0211	-.0179	292.50
315.00	.2968	.2339	.1270	.0274	-.0475	-.0627	-.0402	-.0297	-.0177	-.0097	-.0095	-.0129	315.00
337.50	.3150	.2487	.1414	.0424	-.0336	-.0454	-.0338	-.0199	-.0125	-.0043	-.0045	-.0039	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2431	.1834	.0878	.0060	-.0498	-.0584	-.0473	-.0230	-.0100	-.0031	-.0029	-.0047	0.00
22.50	.2504	.1929	.0934	.0042	-.0564	-.0663	-.0384	-.0239	-.0086	-.0019	-.0034	-.0046	22.50
45.00	.2573	.1936	.0966	.0066	-.0550	-.0690	-.0371	-.0241	-.0101	-.0008	-.0065	-.0039	45.00
67.50	.2525	.1923	.0883		-.0597	-.0707	-.0377	-.0237	-.0112	-.0028	-.0058	-.0043	67.50
90.00	.2507	.1916	.0898	.0040	-.0613	-.0726	-.0411	-.0269	-.0133	-.0042	-.0052	-.0053	90.00
112.50	.2441	.1868	.0971	.0126	-.0606	-.0721	-.0418	-.0289	-.0096	-.0046	-.0047	-.0051	112.50
135.00	.2455	.1946	.0940	.0103	-.0553	-.0674	-.0373	-.0244	-.0087		-.0029	-.0011	135.00
157.50	.2484	.1924	.0932	.0136	-.0557	-.0683	-.0394	-.0259	-.0083	-.0015	-.0035	-.0020	157.50
180.00	.2470	.1944	.0935	.0118	-.0539	-.0649	-.0453		-.0083	-.0016	-.0007	-.0031	180.00
202.50	.2493	.1925	.0947	.0101	-.0572	-.0669	-.0377	-.0177	-.0079	-.0016	-.0011	-.0026	202.50
225.00	.2521	.1929	.0961	.0130	-.0604	-.0719	-.0376	-.0179	-.0095	-.0012	-.0042	-.0023	225.00
247.50	.2487	.1891	.0879	.0050	-.0630	-.0703	-.0403	-.0263	-.0089	-.0022	-.0075	-.0073	247.50
270.00	.2498	.1877	.0878	.0032	-.0627	-.0696	-.0402	-.0256	-.0115	-.0026	-.0057	-.0062	270.00
292.50	.2520	.1910	.0867	.0012	-.0614	-.0667	-.0396	-.0227	-.0107	-.0031	-.0065	-.0047	292.50
315.00	.2510	.1912	.0862	.0012	-.0594	-.0658	-.0407	-.0217	-.0100	-.0015	-.0070	-.0047	315.00
337.50	.2493	.1893	.0877	.0032	-.0566	-.0592	-.0421	-.0207	-.0095	-.0021	-.0062	-.0036	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1817	.1256	.0468	-.0236	-.0687	-.0705	-.0444	-.0170	-.0063	-.0007	-.0058	-.0053	0.00
22.50	.1902	.1379	.0468	-.0256	-.0769	-.0801	-.0437	-.0189	-.0061	-.0010	-.0082	-.0065	22.50
45.00	.2051	.1453	.0500	-.0218	-.0801	-.0857	-.0526	-.0294	-.0101	-.0064	-.0129	-.0107	45.00
67.50	.2185	.1606	.0607		-.0811	-.0865	-.0580	-.0397	-.0179	-.0150	-.0169	-.0156	67.50
90.00	.2392	.1866	.0781	-.0052	-.0749	-.0862	-.0588	-.0437	-.0303	-.0222	-.0198	-.0198	90.00
112.50	.2623	.2064	.1072	.0186	-.0627	-.0782	-.0517	-.0426	-.0285	-.0197	-.0184	-.0173	112.50
135.00	.2920	.2264	.1254	.0330	-.0426	-.0597	-.0386	-.0370	-.0267		-.0121	-.0082	135.00
157.50	.3118	.2507	.1405	.0486	-.0335	-.0513	-.0326	-.0290	-.0121	-.0064	-.0069	-.0023	157.50
180.00	.3179	.2597	.1458	.0539	-.0285	-.0445	-.0370		-.0091	-.0037	-.0020	-.0009	180.00
202.50	.3133	.2521	.1401	.0467	-.0332	-.0491	-.0331	-.0182	-.0143	-.0068	-.0047	-.0046	202.50
225.00	.2956	.2320	.1192	.0322	-.0461	-.0637	-.0423	-.0268	-.0210	-.0106	-.0126	-.0096	225.00
247.50	.2660	.2067	.0994	.0109	-.0600	-.0720	-.0545	-.0404	-.0262	-.0177	-.0214	-.0204	247.50
270.00	.2381	.1793	.0743	-.0053	-.0678	-.0766	-.0572	-.0426	-.0274	-.0210	-.0204	-.0196	270.00
292.50	.2163	.1604	.0550	-.0187	-.0740	-.0799	-.0535	-.0349	-.0267	-.0182	-.0163	-.0154	292.50
315.00	.1981	.1439	.0439	-.0263	-.0773	-.0794	-.0499	-.0283	-.0138	-.0097	-.0124	-.0112	315.00
337.50	.1858	.1320	.0367	-.0282	-.0770	-.0751	-.0456	-.0200	-.0074	-.0018	-.0095	-.0065	337.50

TABLE II.- Continued

(a) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1284	.0778	.0072	-.0484	-.0203	-.3750	-.0284	-.0076	.0021	.0044	-.0023	.0005	0.00
22.50	.1356	.0849	.0075	-.0536	-.0914	-.0884	-.0399	-.0155	-.0084	-.0109	-.0161	-.0177	22.50
45.00	.1475	.0945	.0071	-.0594	-.1041	-.1048	-.0631	-.0327	-.0203	-.0206	-.0223	-.0220	45.00
67.50	.1697	.1158	.0193	-.0711	-.1151	-.1193	-.0958	-.0667	-.0438	-.0402	-.0384	-.0339	67.50
90.00	.2126	.1552	.0528	-.0337	-.1062	-.1163	-.1062	-.0971	-.0682	-.0616	-.0578	-.0541	90.00
112.50	.2698	.2113	.1108	.0166	-.0731	-.0922	-.0814	-.0801	-.0647	-.0555	-.0512	-.0493	112.50
135.00	.3361	.2741	.1566	.0578	-.0274	-.0511	-.0413	-.0430	-.0365	-.0365	-.0278	-.0197	135.00
157.50	.3849	.3160	.1966	.0986	.0012	-.0224	-.0118	-.0185	-.0070	.0002	-.0028	.0043	157.50
180.00	.4002	.3342	.2080	.1091	.0152	-.0049	-.0040	.0015	.0117	.0117	.0111	.0137	180.00
202.50	.3857	.3179	.1970	.0945	.0032	-.0157	-.0138	-.0046	-.0099	-.0010	-.0005	.0014	202.50
225.00	.3434	.2749	.1526	.0588	-.0280	-.0498	-.0453	-.0371	-.0391	-.0251	-.0272	-.0217	225.00
247.50	.2787	.2155	.0972	.0055	-.0669	-.0846	-.0846	-.0783	-.0650	-.0534	-.0539	-.0507	247.50
270.00	.2146	.1556	.0492	-.0343	-.0962	-.1073	-.1029	-.0888	-.0666	-.0587	-.0560	-.0515	270.00
292.50	.1736	.1188	.0210	-.0519	-.1095	-.1153	-.0922	-.0643	-.0423	-.0367	-.0344	-.0299	292.50
315.00	.1471	.0957	.0075	-.0561	-.1024	-.1002	-.0627	-.0353	-.0217	-.0219	-.0229	-.0229	315.00
337.50	.1359	.0858	.0071	-.0516	-.0696	-.0793	-.0380	-.0191	-.0099	-.0137	-.0210	-.0193	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0904	.0451	-.0188	-.0596	-.0814	-.0711	-.0248	-.0042	.0086	.0040	.0005	-.0032	0.00
22.50	.0923	.0464	-.0266	-.0763	-.1015	-.0910	-.0502	-.0404	-.0428	-.0584	-.0731	-.0800	22.50
45.00	.0923	.0411	-.0463	-.1003	-.1345	-.1282	-.0831	-.0576	-.0518	-.0496	-.0522	-.0504	45.00
67.50	.1134	.0579	-.0365	-.0735	-.1735	-.1802	-.1629	-.1106	-.0736	-.0585	-.0556	-.0505	67.50
90.00	.1770	.1157	.0115	-.0782	-.1568	-.1753	-.1852	-.1844	-.1495	-.1233	-.1140	-.1034	90.00
112.50	.2734	.2112	.1064	.0040	-.0939	-.1135	-.1258	-.1383	-.1376	-.1324	-.1171	-.1070	112.50
135.00	.3868	.3169	.1924	.0808	-.0115	-.0388	-.0402	-.0528	-.0586	-.0586	-.0626	-.0522	135.00
157.50	.4692	.3966	.2621	.1483	.0438	.0137	.0198	.0044	.0060	.0110	.0039	.0069	157.50
180.00	.4984	.4210	.2859	.1712	.0703	.0441	.0414	.0319	.0394	.0394	.0337	.0300	180.00
202.50	.4720	.3946	.2645	.1473	.0481	.0234	.0183	.0166	.0077	.0106	.0056	.0056	202.50
225.00	.3948	.3162	.1920	.0834	-.0120	-.0376	-.0433	-.0494	-.0593	-.0555	-.0596	-.0507	225.00
247.50	.2872	.2168	.0970	-.0046	-.0888	-.1128	-.1279	-.1376	-.1391	-.1241	-.1152	-.1061	247.50
270.00	.1805	.1235	.0124	-.0735	-.1482	-.1689	-.1834	-.1774	-.1370	-.1162	-.1070	-.0937	270.00
292.50	.1194	.0664	-.0340	-.1063	-.1669	-.1774	-.1494	-.0973	-.0660	-.0561	-.0501	-.0468	292.50
315.00	.0931	.0455	-.0380	-.0974	-.1342	-.1282	-.0832	-.0619	-.0501	-.0496	-.0517	-.0504	315.00
337.50	.0927	.0481	-.0258	-.0717	-.0989	-.0871	-.0499	-.0504	-.0537	-.0708	-.0851	-.0846	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0538	.0169	-.0323	-.0683	-.0872	-.0776	-.0270	.0008	.0136	-.0003	-.0068	-.0205	0.00
22.50	.0449	.0013	-.0690	-.0918	-.1133	-.1075	-.0840	-.0972	-.1183	-.1477	-.1573	-.1539	22.50
45.00	.0303	-.0141	-.0948	-.1445	-.1686	-.1633	-.1338	-.1404	-.1635	-.1724	-.1606	-.1432	45.00
67.50	.0406	-.0139	-.1088	-.1645	-.2544	-.2713	-.2428	-.1677	-.1287	-.1287	-.0985	-.0878	67.50
90.00	.1250	.0646	-.0414	-.1340	-.2137	-.2442	-.2681	-.2874	-.2081	-.1187	-.0982	-.0818	90.00
112.50	.2687	.2062	.0985	-.0099	-.1074	-.1383	-.1569	-.1771	-.1866	-.1983	-.2024	-.2008	112.50
135.00	.4364	.3611	.2298	.1101	.0106	-.0159	-.0295	-.0462	-.0547	-.0547	-.0648	-.0659	135.00
157.50	.5603	.4759	.3376	.2106	.0940	.0687	.0643	.0443	.0435	.0458	.0368	.0383	157.50
180.00	.6056	.5230	.3739	.2470	.1337	.1057	.1003	.0846	.0891	.0792	.0782	.0782	180.00
202.50	.5657	.4851	.3381	.2096	.0988	.0723	.0700	.0554	.0476	.0473	.0368	.0358	202.50
225.00	.4508	.3688	.2345	.1139	.0113	-.0188	-.0257	-.0427	-.0543	-.0607	-.0654	-.0689	225.00
247.50	.2925	.2204	.0918	-.0211	-.1096	-.1353	-.1583	-.1755	-.1894	-.2035	-.2084	-.1967	247.50
270.00	.1355	.0761	-.0371	-.1351	-.2134	-.2342	-.2679	-.2863	-.1815	-.1061	-.0854	-.0728	270.00
292.50	.0504	.0001	-.1068	-.1863	-.2530	-.2677	-.2199	-.1585	-.1197	-.0894	-.0791	-.0699	292.50
315.00	.0323	-.0124	-.0960	-.1413	-.1714	-.1601	-.1336	-.1385	-.1608	-.1662	-.1630	-.1458	315.00
337.50	.0460	.0014	-.0570	-.0899	-.1183	-.1097	-.1026	-.1321	-.1572	-.1509	-.1470	-.1362	337.50

TABLE II.- Continued

(a) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0305	-.0030	-.0471	-.0848	-.1030	-.0909	-.0402	-.0118	-.0438	-.0951	-.1136	-.1231	0.00
22.50	-.0145	-.0582	-.1137	-.1399	-.1508	-.1452	-.1317	-.1990	-.2419	-.2396	-.2360	-.2041	22.50
45.00	-.0256	-.0683	-.1494	-.1952	-.2392	-.2643	-.2849	-.2761	-.2704	-.2193	-.1769	-.1434	45.00
67.50	-.0412	-.0925	-.1917	-.2329	-.3329	-.3227	-.2593	-.1969	-.1546	-.1365	-.1386	-.1337	67.50
90.00	.0669	.0110	-.0993	-.1887	-.2643	-.2926	-.3114	-.2767	-.1756	-.1269	-.1214	-.1214	90.00
112.50	.2640	.0707	.0925	-.0175	-.1186	-.1490	-.1668	-.1896	-.1964	-.2070	-.2126	-.2162	112.50
135.00	.4879	.4157	.2747	.1484	.0444	.0143	-.0003	-.0217	-.0312	-.0422	-.0425	-.0425	135.00
157.50	.6496	.5699	.4190	.2834	.1619	.1293	.1260	.0989	.1004	.0986	.0895	.0933	157.50
180.00	.7137	.6327	.4669	.3312	.2135	.1829	.1746		.1534	.1536	.1432	.1453	180.00
202.50	.6605	.5815	.4230	.2815	.1637	.1364	.1312	.1117	.1040	.0971	.0891	.0916	202.50
225.00	.5073	.4258	.2800	.1491	.0417	.0161	.0010	-.0191	-.0265	-.0375	-.0432	-.0456	225.00
247.50	.2958	.2232	.0909	-.0289	-.1179	-.1407	-.1691	-.1881	-.1982	-.2126	-.2178	-.2201	247.50
270.00	.0863	.0276	-.0960	-.1851	-.2599	-.2786	-.3125	-.2676	-.1654	-.1263	-.1273	-.1329	270.00
292.50	-.0313	-.0838	-.1956	-.2840	-.3256	-.3086	-.2483	-.1912	-.1435	-.1433	-.1491	-.1386	292.50
315.00	-.0267	-.0724	-.1496	-.1860	-.2237	-.2639	-.2809	-.2700	-.3058	-.1969	-.1548	-.1270	315.00
337.50	-.0167	-.0567	-.0716	-.1299	-.1562	-.1607	-.1707	-.2477	-.2192	-.2290	-.2237	-.1720	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0082	-.0164	-.0626	-.0999	-.1333	-.1349	-.1088	-.1338	-.1640	-.1699	-.1579	-.1419	0.00
22.50	-.0820	-.1390	-.2039	-.2511	-.3172	-.3348	-.3287	-.3268	-.2653	-.1723	-.1635	-.1566	22.50
45.00	-.0964	-.1407	-.2248	-.2611	-.2980	-.3044	-.2871	-.3277	-.2361	-.1745	-.1727	-.1651	45.00
67.50	-.1376	-.1865	-.2545	-.2300	-.3100	-.3030	-.2554	-.1997	-.1921	-.1985	-.1882	-.1922	67.50
90.00	.0188	-.0337	-.1391	-.2187	-.2894	-.3162	-.3076	-.2561	-.2327	-.2452	-.2559	-.2503	90.00
112.50	.2735	.2109	.0875	-.0173	-.1111	-.1429	-.1601	-.1837	-.1932	-.2033	-.2063	-.2087	112.50
135.00	.5487	.4717	.3267	.1942	.0829	.0512	.0385	.0147	.0040	-.0084	-.0068	-.0068	135.00
157.50	.7449	.6659	.5030	.3626	.2362	.2026	.1970	.1664	.1686	.1620	.1552	.1580	157.50
180.00	.8279	.7457	.5672	.4208	.2960	.2652	.2561		.2310	.2253	.2190	.2208	180.00
202.50	.7570	.6755	.5033	.3583	.2385	.2100	.1981	.1790	.1688	.1594	.1525	.1549	202.50
225.00	.5616	.4814	.3242	.1971	.0856	.0562	.0360	.0167	.0036	-.0039	-.0092	-.0109	225.00
247.50	.3050	.2245	.0882	-.0241	-.1083	-.1378	-.1648	-.1828	-.1958	-.2053	-.2099	-.2123	247.50
270.00	.0383	-.0204	-.1353	-.2190	-.2866	-.3094	-.3085	-.2613	-.2207	-.2130	-.2270	-.2423	270.00
292.50	-.1264	-.1761	-.2835	-.3217	-.3176	-.2998	-.2565	-.2025	-.1880	-.1921	-.1718	-.1749	292.50
315.00	-.0966	-.1388	-.2061	-.2866	-.3200	-.3141	-.2747	-.2989	-.2489	-.1876	-.1795	-.1643	315.00
337.50	-.0798	-.1373	-.1997	-.1878	-.2380	-.2787	-.3402	-.3341	-.2916	-.2055	-.1767	-.1609	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0234	-.0391	-.0983	-.1500	-.2110	-.2273	-.2188	-.2047	-.2039	-.1862	-.1879	-.1766	0.00
22.50	-.1501	-.2376	-.3138	-.3429	-.3479	-.3323	-.2993	-.2820	-.2507	-.2393	-.2348	-.2256	22.50
45.00	-.1729	-.2118	-.2581	-.2984	-.3018	-.2973	-.2759	-.2647	-.2490	-.2337	-.2258	-.2104	45.00
67.50	-.2207	-.2419	-.2752	-.2300	-.3134	-.3085	-.2799	-.2461	-.2268	-.2124	-.2221	-.2086	67.50
90.00	-.0218	-.0666	-.1616	-.2372	-.3031	-.3251	-.3167	-.2864	-.2674	-.2640	-.2655	-.2569	90.00
112.50	.2806	.2162	.1061	-.0051	-.0997	-.1283	-.1463	-.1701	-.1754	-.1858	-.1884	-.1905	112.50
135.00	.6033	.5272	.3773	.2459	.1304	.1010	.0847	.0597	.0521		.0420	.0446	135.00
157.50	.8440	.7629	.5953	.4510	.3172	.2815	.2760	.2447	.2432	.2404	.2356	.2398	157.50
180.00	.9434	.8585	.6765	.5255	.3931	.3552	.3473		.3169	.3145	.3091	.3125	180.00
202.50	.8599	.7711	.5961	.4471	.3218	.2873	.2762	.2560	.2452	.2388	.2331	.2356	202.50
225.00	.6224	.5366	.3795	.2490	.1330	.1031	.0865	.0663	.0515	.0452	.0409	.0383	225.00
247.50	.3203	.2438	.1028	-.0104	-.0971	-.1257	-.1503	-.1685	-.1790	-.1881	-.1910	-.1932	247.50
270.00	.0038	-.0489	-.1530	-.2333	-.2995	-.3186	-.3090	-.2856	-.2702	-.2683	-.2668	-.2617	270.00
292.50	-.2109	-.2437	-.2852	-.3022	-.3121	-.2999	-.2706	-.2417	-.2320	-.2148	-.2176	-.2089	292.50
315.00	-.1711	-.2183	-.2648	-.3053	-.3102	-.2989	-.2835	-.2736	-.2448	-.2339	-.2238	-.2113	315.00
337.50	-.1593	-.2360	-.2978	-.3241	-.3546	-.3438	-.3112	-.2850	-.2469	-.2380	-.2371	-.2262	337.50

TABLE II.- Continued

(a) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR Y/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0523	-.0F54	-.1549	-.2085	-.2700	-.2835	-.2572	-.238F	-.2320	-.2003	-.1964	-.1914	0.00
22.50	-.2439	-.2923	-.323F	-.3436	-.3528	-.3434	-.3193	-.3057	-.2819	-.27F1	-.2716	-.2571	22.50
45.00	-.2306	-.2591	-.3000	-.3239	-.3228	-.3207	-.3012	-.2800	-.2869	-.2719	-.2515	-.2463	45.00
67.50	-.2705	-.2F63	-.2995		-.3311	-.3270	-.2889	-.2757	-.2640	-.2508	-.2474	-.2402	67.50
90.00	-.0524	-.0923	-.1738	-.2454	-.3069	-.3277	-.3337	-.3105	-.2844	-.2887	-.2845	-.2710	90.00
112.50	.2888	.2741	.1188	.0117	-.0F01	-.1073	-.1303	-.1494	-.1527	-.1636	-.1614	-.1624	112.50
135.00	.6670	.5850	.4397	.3028	.1867	.1570	.1332	.1140	.1061		.1016	.1039	135.00
157.50	.9392	.8563	.6970	.5442	.4077	.3277	.3576	.3272	.3316	.3245	.3216	.3247	157.50
180.00	1.0558	.9F85	.7925	.6350	.4939	.4568	.4451		.4154	.4096	.4084	.4113	180.00
202.50	.9577	.8670	.6982	.5442	.4109	.3769	.3624	.3373	.3292	.3219	.3169	.3181	202.50
225.00	.6831	.5968	.4419	.3102	.1909	.1616	.1425	.1178	.1059	.0998	.0983	.0964	225.00
247.50	.3333	.2608	.1216	.0104	-.0752	-.1039	-.1290	-.1463	-.1540	-.1624	-.1666	-.1666	247.50
270.00	-.0222	-.0678	-.16F1	-.2410	-.3023	-.3218	-.3347	-.3102	-.2880	-.2889	-.2945	-.2789	270.00
292.50	-.2610	-.2826	-.3022	-.3170	-.3314	-.3208	-.2943	-.2899	-.2677	-.2486	-.2527	-.2329	292.50
315.00	-.2295	-.2576	-.2981	-.3240	-.3245	-.3188	-.3017	-.2991	-.2876	-.2721	-.2512	-.2414	315.00
337.50	-.2498	-.2902	-.3225	-.3463	-.3560	-.3413	-.3150	-.3123	-.2890	-.2867	-.2750	-.2493	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0855	-.1271	-.1966	-.2448	-.3004	-.3149	-.2740	-.2568	-.2374	-.2015	-.2094	-.2234	0.00
22.50	-.2954	-.319F	-.3455	-.3665	-.3700	-.3646	-.3354	-.3377	-.3219	-.3129	-.3096	-.3024	22.50
45.00	-.2716	-.2904	-.3288	-.3468	-.3555	-.3496	-.3248	-.3095	-.3089	-.2889	-.2756	-.2794	45.00
67.50	-.3053	-.3273	-.3378		-.3550	-.3485	-.3233	-.3114	-.2974	-.2711	-.2719	-.2762	67.50
90.00	-.0739	-.1074	-.1887	-.2509	-.3093	-.3282	-.3379	-.3414	-.3164	-.3113	-.3030	-.2761	90.00
112.50	.2991	.2390	.1314	.0328	-.0595	-.0878	-.1067	-.1256	-.1273	-.1307	-.1366	-.1403	112.50
135.00	.7211	.6432	.4962	.3636	.2429	.2126	.1927	.1794	.1663		.1637	.1589	135.00
157.50	1.0329	.9523	.7902	.6393	.4997	.4654	.4460	.4141	.4234	.4184	.4208	.4108	157.50
180.00	1.1645	1.0764	.9064	.7485	.6032	.5677	.5471		.5223	.5156	.5199	.5082	180.00
202.50	1.0557	.9447	.7982	.6407	.5031	.4702	.4498	.4276	.4233	.4141	.4176	.4072	202.50
225.00	.7448	.6580	.5071	.3720	.2480	.2210	.1964	.1779	.1684	.1620	.1616	.1533	225.00
247.50	.3508	.2794	.1442	.0332	-.0529	-.0815	-.1114	-.1233	-.1275	-.1324	-.1399	-.1426	247.50
270.00	-.0398	-.0F30	-.1752	-.2440	-.3018	-.3200	-.3383	-.3407	-.3170	-.3100	-.3094	-.2766	270.00
292.50	-.2934	-.3102	-.3407	-.3454	-.3529	-.3472	-.3268	-.3160	-.2983	-.2807	-.2670	-.2714	292.50
315.00	-.2729	-.2954	-.3275	-.3481	-.3570	-.3465	-.3272	-.3127	-.3071	-.2893	-.2777	-.2763	315.00
337.50	-.2000	-.3242	-.3444	-.3645	-.3723	-.3644	-.3389	-.3389	-.3234	-.3189	-.3062	-.2743	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1223	-.1589	-.2316	-.2853	-.3332	-.3351	-.2824	-.2744	-.2554	-.2721	-.2835	-.2794	0.00
22.50	-.3262	-.3473	-.3665	-.3826	-.3898	-.3845	-.3602	-.3595	-.3439	-.3520	-.3329	-.3260	22.50
45.00	-.3136	-.3327	-.3548	-.3698	-.3727	-.3672	-.3465	-.3276	-.3268	-.3067	-.3035	-.3053	45.00
67.50	-.3352	-.3595	-.3721		-.3717	-.3639	-.3450	-.3301	-.3112	-.3064	-.3054	-.2844	67.50
90.00	-.0947	-.1236	-.1953	-.2558	-.3071	-.3234	-.3343	-.3432	-.3418	-.3413	-.3262	-.2814	90.00
112.50	.3051	.2456	.1471	.0508	-.0379	-.0603	-.0829	-.1016	-.0937	-.1034	-.1072	-.1087	112.50
135.00	.7697	.6899	.5552	.4226	.3013	.2809	.2515	.2332	.2365		.2253	.2253	135.00
157.50	1.1192	1.0400	.8853	.7357	.5925	.5667	.5398	.5097	.5237	.5164	.5090	.5063	157.50
180.00	1.2672	1.1834	1.0159	.8597	.7116	.6843	.6542		.6349	.6277	.6233	.6187	180.00
202.50	1.1432	1.0549	.8929	.7400	.6014	.5744	.5446	.5242	.5224	.5135	.5079	.5040	202.50
225.00	.7952	.7114	.5653	.4345	.3126	.2884	.2562	.2387	.2340	.2280	.2268	.2187	225.00
247.50	.3620	.2937	.1613	.0580	-.0263	-.0531	-.0852	-.0941	-.0941	-.1045	-.1108	-.1128	247.50
270.00	-.0537	-.0966	-.1824	-.2446	-.2994	-.3136	-.3330	-.3399	-.3399	-.3384	-.3245	-.2772	270.00
292.50	-.2174	-.2418	-.2761	-.2699	-.2725	-.2649	-.2486	-.2285	-.2127	-.2085	-.2063	-.2097	292.50
315.00	-.3153	-.3326	-.3552	-.3688	-.3778	-.3701	-.3527	-.3331	-.3272	-.3048	-.3030	-.2837	315.00
337.50	-.3297	-.3557	-.3679	-.3793	-.3921	-.3882	-.3650	-.3606	-.3489	-.3466	-.3346	-.3171	337.50

TABLE II.- Continued

(a) Continued

ALPHA = 44.1 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	-.1741	-.2105	-.2718	-.3143	-.3478	-.3493	-.2927	-.3112	-.3178	-.3318	-.3172	-.1707	0.00
22.50	-.3525	-.3719	-.3867	-.4002	-.4107	-.4046	-.3844	-.3784	-.3702	-.3523	-.3285	-.2001	22.50
45.00	-.3470	-.3622	-.3743	-.3882	-.3946	-.3896	-.3641	-.3482	-.3422	-.3236	-.3114	-.1851	45.00
67.50	-.3570	-.3803	-.3982	-.4092	-.3942	-.3862	-.3624	-.3435	-.3270	-.3166	-.2832	-.1850	67.50
90.00	-.1109	-.1361	-.2009	-.2554	-.3046	-.3197	-.3262	-.3356	-.3403	-.3331	-.2937	-.2348	90.00
112.50	.3095	.2542	.1630	.0727	-.0119	-.3325	-.0494	-.0672	-.0654	-.0705	-.0719	-.0750	112.50
135.00	.8064	.7353	.6064	.4783	.3629	.3427	.3174	.3045	.2947		.2958	.2959	135.00
157.50	1.1978	1.1234	.9785	.8311	.6903	.6638	.6428	.6193	.6165	.6162	.6113	.6102	157.50
180.00	1.3611	1.2825	1.1256	.9710	.8233	.7971	.7718		.7466	.7440	.7373	.7336	180.00
202.50	1.2262	1.1414	.9849	.8370	.6984	.6717	.6499	.6366	.6176	.6132	.6055	.6037	202.50
225.00	.8455	.7634	.6265	.4950	.3753	.3502	.3279	.3129	.2964	.2967	.2934	.2881	225.00
247.50	.3750	.3110	.1834	.0802	-.0004	-.0281	-.0524	-.0618	-.0684	-.0715	-.0767	-.0780	247.50
270.00	-.0690	-.1048	-.1851	-.2443	-.2938	-.3077	-.3230	-.3313	-.3377	-.3313	-.2993	-.2208	270.00
292.50	-.3363	-.3564	-.3930	-.3864	-.3870	-.3790	-.3587	-.3402	-.3326	-.3187	-.2932	-.1944	292.50
315.00	-.3427	-.3561	-.3722	-.3836	-.3904	-.3837	-.3600	-.3477	-.3440	-.3321	-.3111	-.1670	315.00
337.50	-.3544	-.3742	-.3863	-.3981	-.4081	-.3991	-.3845	-.3765	-.3786	-.3632	-.3321	-.1715	337.50

ALPHA = 48.2 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	-.2190	-.2610	-.3069	-.3281	-.3572	-.3581	-.3399	-.2884	-.1010	-.0976	-.1022	-.0933	0.00
22.50	-.3820	-.3991	-.4115	-.4199	-.4254	-.4170	-.4001	-.3288	-.1525	-.1045	-.1052	-.0970	22.50
45.00	-.3766	-.3925	-.4016	-.4085	-.4114	-.4022	-.3707	-.3229	-.1683	-.0917	-.0973	-.0914	45.00
67.50	-.3725	-.3955	-.4152	-.4113	-.4113	-.3986	-.3648	-.3199	-.1364	-.0769	-.0955	-.0873	67.50
90.00	-.1260	-.1496	-.2063	-.2544	-.2981	-.3117	-.3183	-.2996	-.1485	-.0910	-.0982	-.0950	90.00
112.50	.3132	.2599	.1777	.0934	.0149	-.0019	-.0183	-.0273	-.0290	-.0305	-.0368	-.0462	112.50
135.00	.8436	.7779	.6575	.5376	.4251	.4094	.3854	.3694	.3680		.3618	.3503	135.00
157.50	1.2697	1.1995	1.0617	.9219	.7861	.7614	.7447	.7155	.7224	.7198	.7119	.6943	157.50
180.00	1.4419	1.3695	1.2259	1.0794	.9366	.9113	.8879		.8649	.8603	.8532	.8333	180.00
202.50	1.2989	1.2186	1.0730	.9299	.7984	.7738	.7527	.7334	.7249	.7205	.7107	.6958	202.50
225.00	.8870	.8074	.6751	.5511	.4435	.4204	.3945	.3752	.3675	.3686	.3654	.3503	225.00
247.50	.3841	.3211	.2018	.1032	.0301	.0035	-.0190	-.0287	-.0287	-.0333	-.0338	-.0480	247.50
270.00	-.0856	-.1170	-.1906	-.2444	-.2863	-.2995	-.3155	-.2959	-.1335	-.1187	-.1095	-.0867	270.00
292.50	-.3515	-.3707	-.4059	-.4097	-.4010	-.3926	-.3640	-.3182	-.1416	-.0737	-.0949	-.0680	292.50
315.00	-.3561	-.3705	-.3889	-.3986	-.4038	-.3985	-.3712	-.3233	-.1627	-.0948	-.0955	-.0753	315.00
337.50	-.3678	-.3881	-.4018	-.4153	-.4242	-.4122	-.4029	-.3288	-.1829	-.1022	-.0999	-.0888	337.50

ALPHA = 52.4 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	-.2321	-.2362	-.2018	-.1501	-.1285	-.1388	-.1457	-.1178	-.0816	-.0258	-.0082	-.0107	0.00
22.50	-.3447	-.2979	-.2080	-.1502	-.1294	-.1405	-.1477	-.1133	-.0770	-.0191	-.0050	-.0049	22.50
45.00	-.3414	-.2877	-.1940	-.1347	-.1271	-.1441	-.1487	-.1048	-.0770	-.0203	-.0142	-.0112	45.00
67.50	-.3366	-.2752	-.1774	-.1238	-.1238	-.1430	-.1508	-.1020	-.0726	-.0061	-.0024	-.0123	67.50
90.00	-.1429	-.1584	-.1734	-.1230	-.1128	-.1333	-.1560	-.0920	-.0839	-.0095	-.0113	-.0277	90.00
112.50	.3045	.2606	.1915	.1155	.0451	.0289	.0147	-.0043	.0044	.0041	-.0006	-.0221	112.50
135.00	.8634	.8081	.7048	.5976	.4960	.4807	.4558	.4394	.4380		.4291	.4023	135.00
157.50	1.3224	1.2622	1.1435	1.0164	.8922	.8683	.8528	.8236	.8262	.8210	.8099	.7729	157.50
180.00	1.5014	1.4432	1.3177	1.1830	1.0532	1.0295	1.0096		.9844	.9757	.9632	.9208	180.00
202.50	1.3531	1.2855	1.1599	1.0272	.9022	.8786	.8603	.8420	.8310	.8211	.8061	.7687	202.50
225.00	.9161	.8466	.7328	.6189	.5112	.4857	.4656	.4479	.4459	.4401	.4291	.3953	225.00
247.50	.3833	.3275	.2158	.1289	.0581	.0309	.0129	.0073	.0054	.0019	-.0045	-.0265	247.50
270.00	-.1034	-.1258	-.1661	-.1297	-.1163	-.1329	-.1568	-.0978	-.0841	-.0172	-.0126	-.0324	270.00
292.50	-.3039	-.2565	-.1882	-.1366	-.1186	-.1373	-.1426	-.0959	-.0767	-.0174	-.0172	-.0274	292.50
315.00	-.3057	-.2686	-.2038	-.1463	-.1264	-.1418	-.1415	-.1077	-.0808	-.0299	-.0259	-.0266	315.00
337.50	-.3248	-.2797	-.2198	-.1567	-.1314	-.1413	-.1469	-.1172	-.0733	-.0243	-.0161	-.0236	337.50

TABLE II.- Continued

(a) Concluded

ALPHA = 56.7 DEG

THETA, DEG	C ^o FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0516	.0500	.0360	.0036	-.0111	-.0039	.0086	.0463	.1009	.0988	.0767	.0583	0.00
22.50	.0569	.0551	.0404	.0078	-.0112	-.0083	.0042	.0439	.0827	.0717	.0515	.0534	22.50
45.00	.0525	.0497	.0353	.0055	.0009	-.0014	.0109	.0557	.0873	.0781	.0608	.0573	45.00
67.50	.0576	.0555	.0380		.0087	.0042	.0198	.0674	.1004	.0934	.0760	.0783	67.50
90.00	.0511	.0531	.0394	.0171	.0093	-.0014	.0020	.0670	.0925	.0888	.0611	.0674	90.00
112.50	.2932	.2592	.2040	.1337	.0687	.0565	.0445	.0441	.0585	.0619	.0298	.0381	112.50
135.00	.8810	.8348	.7402	.6434	.5523	.5409	.5168	.5008	.4996		.4856	.4476	135.00
157.50	1.3628	1.3139	1.2080	1.0960	.9836	.9613	.9426	.9151	.9178	.9105	.8945	.8410	157.50
180.00	1.5528	1.5087	1.3935	1.2763	1.1569	1.1342	1.1137		1.0868	1.0739	1.0548	.9936	180.00
202.50	1.3968	1.3405	1.2134	1.0968	.9885	.9663	.9467	.9301	.9185	.9073	.8869	.8319	202.50
225.00	.9310	.8721	.7619	.6581	.5727	.5476	.5305	.5109	.5035	.4970	.4836	.4363	225.00
247.50	.3736	.3245	.2295	.1455	.0855	.0605	.0458	.0504	.0446	.0737	.0576	.0637	247.50
270.00	.0432	.0493	.0376	.0156	.0137	.0034	.0072	.0747	.0639	.1125	.0987	.0988	270.00
292.50	.0505	.0490	.0319	.0081	.0017	-.0023	.0093	.0618	.1034	.1042	.0937	.0929	292.50
315.00	.0535	.0509	.0362	.0068	.0004	-.0041	.0076	.0544	.0950	.0979	.0847	.0785	315.00
337.50	.0469	.0451	.0299	-.0031	-.0101	-.0066	.0028	.0475	.0989	.1024	.0848	.0681	337.50

TABLE II.- Continued

(b) $M_{\infty} = 2.3$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2911	.2394	.1466	.0797	.0178	.0004	.0134	.0117	.0160	.0168	.0172	.0187	0.00
22.50	.2864	.2349	.1430	.0754	.0127	-.0041	.0102	.0053	.0115	.0122	.0140	.0158	22.50
45.00	.2752	.2202	.1303	.0659	.0027	-.0130	.0004	-.0027	.0014	.0066	.0073	.0069	45.00
67.50	.2475	.1998	.1131		-.0086	-.0229	-.0134	-.0106	-.0087	-.0001	-.0003	-.0004	67.50
90.00	.2230	.1746	.0943	.0386	-.0210	-.0335	-.0195	-.0162	-.0117	-.0031	-.0022	.0002	90.00
112.50	.2041	.1553	.0799	.0220	-.0281	-.0392	-.0231	-.0150	-.0056	.0005	.0041	.0046	112.50
135.00		.1432	.0709	.0148	-.0307	-.0385	-.0188	-.0060	.0019		.0126		135.00
157.50	.1778	.1328	.0652	.0114	-.0309	-.0384	-.0153	-.0003	.0069	.0133	.0161	.0170	157.50
180.00	.1716	.1302	.0617	.0090	-.0320	-.0368	-.0122		.0097	.0172	.0191	.0185	180.00
202.50	.1779	.1336	.0646	.0088	-.0297	-.0370	-.0171	-.0031	.0088	.0146	.0174	.0165	202.50
225.00	.1888	.1432	.0713	.0136	-.0323	-.0379	-.0206	-.0085	.0004	.0089	.0110	.0099	225.00
247.50	.2037	.1588	.0818	.0228	-.0281	-.0356	-.0232	-.0145	-.0056	.0022	.0056	.0034	247.50
270.00	.2237	.1758	.0961	.0355	-.0201	-.0305	-.0195	-.0136	-.0086	-.0023	.0010	.0004	270.00
292.50	.2512	.2008	.1130	.0504	-.0091	-.0210	-.0139	-.0078	-.0031	.0002	.0017	.0009	292.50
315.00	.2751	.2215	.1308	.0647	.0042	-.0108	-.0044	.0009	.0052	.0087	.0112	.0093	315.00
337.50	.2877	.2344	.1427	.0747	.0106	-.0021	.0008	.0072	.0121	.0154	.0182	.0166	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2232	.1781	.0983	.0396	-.0182	-.0252	-.0021	.0011	.0076	.0132	.0138	.0134	0.00
22.50	.2237	.1790	.0989	.0393	-.0187	-.0273	-.0031	-.0022	.0064	.0120	.0137	.0143	22.50
45.00	.2273	.1785	.0985	.0406	-.0173	-.0274	-.0052	-.0024	.0058	.0130	.0142	.0140	45.00
67.50	.2245	.1800	.0995		-.0162	-.0257	-.0096	-.0024	.0048	.0129	.0116	.0131	67.50
90.00	.2273	.1800	.1004	.0449	-.0157	-.0255	-.0078	-.0011	.0036	.0111	.0096	.0127	90.00
112.50	.2322	.1828	.1024	.0427	-.0128	-.0243	-.0092	-.0010	.0037	.0101	.0094	.0126	112.50
135.00		.1866	.1045	.0441	-.0129	-.0217	-.0074	-.0009	.0025		.0101		135.00
157.50	.2390	.1854	.1036	.0446	-.0129	-.0230	-.0076	-.0008	.0034	.0102	.0090	.0125	157.50
180.00	.2355	.1870	.1036	.0442	-.0129	-.0219	-.0054		.0064	.0099	.0107	.0124	180.00
202.50	.2395	.1882	.1054	.0436	-.0111	-.0211	-.0077	-.0022	.0058	.0107	.0099	.0126	202.50
225.00	.2389	.1877	.1049	.0441	-.0139	-.0215	-.0082	-.0011	.0048	.0109	.0106	.0125	225.00
247.50	.2366	.1871	.1044	.0437	-.0139	-.0215	-.0103	-.0017	.0060	.0108	.0098	.0120	247.50
270.00	.2326	.1834	.1033	.0421	-.0151	-.0230	-.0093	-.0018	.0063	.0111	.0101	.0120	270.00
292.50	.2343	.1846	.1023	.0408	-.0164	-.0249	-.0112	-.0012	.0065	.0119	.0110	.0120	292.50
315.00	.2316	.1817	.1010	.0388	-.0181	-.0257	-.0107	-.0023	.0066	.0128	.0124	.0121	315.00
337.50	.2274	.1797	.1000	.0381	-.0187	-.0253	-.0123	-.0011	.0064	.0135	.0131	.0121	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1658	.1253	.0576	.0066	-.0340	-.0346	-.0065	.0030	.0151	.0195	.0189	.0196	0.00
22.50	.1681	.1275	.0596	.0068	-.0358	-.0385	-.0078	-.0018	.0111	.0152	.0163	.0175	22.50
45.00	.1817	.1354	.0652	.0106	-.0362	-.0442	-.0139	-.0098	.0019	.0097	.0106	.0118	45.00
67.50	.1955	.1509	.0766		-.0329	-.0432	-.0240	-.0172	-.0090	.0011	.0023	.0040	67.50
90.00	.2216	.1734	.0946	.0368	-.0248	-.0378	-.0220	-.0189	-.0155	-.0058	-.0058	-.0024	90.00
112.50	.2526	.2009	.1166	.0512	-.0110	-.0266	-.0161	-.0141	-.0121	-.0048	-.0064	-.0050	112.50
135.00		.2289	.1369	.0681	.0025	-.0122	-.0037	-.0030	-.0023		.0034		135.00
157.50	.3061	.2458	.1510	.0812	.0143	-.0010	.0056	.0067	.0100	.0099	.0109	.0109	157.50
180.00	.3087	.2555	.1572	.0864	.0206	.0048	.0122		.0148	.0146	.0140	.0166	180.00
202.50	.3074	.2506	.1539	.0818	.0183	.0027	.0080	.0095	.0121	.0144	.0111	.0132	202.50
225.00	.2883	.2328	.1394	.0694	.0044	-.0094	-.0015	.0004	.0027	.0050	.0030	.0037	225.00
247.50	.2618	.2096	.1196	.0524	-.0112	-.0232	-.0156	-.0125	-.0079	-.0051	-.0065	-.0045	247.50
270.00	.2291	.1796	.0972	.0333	-.0254	-.0350	-.0238	-.0207	-.0142	-.0072	-.0072	-.0041	270.00
292.50	.2070	.1584	.0788	.0177	-.0348	-.0415	-.0277	-.0197	-.0083	-.0004	-.0011	.0014	292.50
315.00	.1871	.1395	.0661	.0085	-.0381	-.0412	-.0236	-.0108	.0027	.0093	.0085	.0102	315.00
337.50	.1737	.1299	.0605	.0057	-.0365	-.0373	-.0192	-.0043	.0104	.0167	.0136	.0163	337.50

TABLE II.- Continued

(b) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1175	.0827	.0295	-.0117	-.0431	-.0386	-.0008	.0056	.0146	.0183	.0172	.0192	0.00
22.50	.1182	.0837	.0282	-.0160	-.0502	-.0494	-.0107	-.0067	.0008	.0006	-.0011	.0010	22.50
45.00	.1325	.0914	.0292	-.0184	-.0613	-.0649	-.0326	-.0211	-.0073	-.0015	-.0018	.0016	45.00
67.50	.1551	.1127	.0442	-.0657	-.0741	-.0668	-.0639	-.0449	-.0287	-.0243	-.0283	.0185	67.50
90.00	.2035	.1544	.0772	.0163	-.0506	-.0643	-.0603	-.0734	-.0737	-.0688	-.0667	-.0581	90.00
112.50	.2675	.2131	.1212	.0526	-.0171	-.0340	-.0336	-.0440	-.0469	-.0492	-.0530	-.0535	112.50
135.00		.2719	.1709	.0944	.0216	.0033	.0032	-.0037	-.0057		-.0103		135.00
157.50	.3836	.3141	.2072	.1270	.0512	.0321	.0326	.0295	.0296	.0246	.0233	.0240	157.50
180.00	.3943	.3328	.2205	.1385	.0633	.0451	.0467		.0425	.0407	.0367	.0379	180.00
202.50	.3854	.3196	.2097	.1273	.0557	.0367	.0367	.0338	.0320	.0313	.0258	.0256	202.50
225.00	.3417	.2787	.1746	.0978	.0257	.0084	.0091	.0038	.0007	-.0016	-.0078	-.0080	225.00
247.50	.2806	.2227	.1265	.0561	-.0131	-.0269	-.0303	-.0382	-.0408	-.0440	-.0511	-.0495	247.50
270.00	.2133	.1615	.0801	.0138	-.0479	-.0586	-.0615	-.0715	-.0720	-.0702	-.0723	-.0638	270.00
292.50	.1681	.1193	.0467	-.0136	-.0667	-.0742	-.0729	-.0691	-.0516	-.0356	-.0331	-.0250	292.50
315.00	.1388	.0939	.0298	-.0217	-.0638	-.0644	-.0444	-.0260	-.0110	-.0036	-.0046	-.0014	315.00
337.50	.1234	.0838	.0281	-.0167	-.0514	-.0466	-.0224	-.0072	.0018	.0042	-.0002	.0020	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0829	.0532	.0072	-.0215	-.0473	-.0427	-.0036	.0046	.0101	.0132	.0127	.0146	0.00
22.50	.0798	.0496	-.0005	-.0354	-.0619	-.0610	-.0756	-.0289	-.0332	-.0466	-.0541	-.0574	22.50
45.00	.0856	.0475	-.0126	-.0560	-.0931	-.0956	-.0597	-.0634	-.0504	-.0642	-.0701	-.0673	45.00
67.50	.1110	.0695	-.0018	-.0842	-.1142	-.1282	-.1267	-.1354	-.1154	-.0812	-.0712	-.0605	67.50
90.00	.1825	.1346	.0538	-.0090	-.0804	-.0996	-.1030	-.1247	-.1335	-.1289	-.1190	-.1088	90.00
112.50	.2826	.2285	.1280	.0561	-.0187	-.0396	-.0461	-.0608	-.0679	-.0749	-.0786	-.0816	112.50
135.00		.3244	.2105	.1273	.0486	.0261	.0213	.0114	.0059		-.0031		135.00
157.50	.4718	.3969	.2754	.1839	.0963	.0748	.0711	.0658	.0606	.0566	.0542	.0541	157.50
180.00	.4944	.4273	.2985	.2040	.1157	.0941	.0925		.0810	.0819	.0752	.0761	180.00
202.50	.4735	.4017	.2767	.1841	.0993	.0790	.0759	.0700	.0647	.0644	.0579	.0566	202.50
225.00	.3974	.3314	.2155	.1317	.0526	.0333	.0281	.0200	.0127	.0095	.0023	.0003	225.00
247.50	.2974	.2392	.1365	.0600	-.0142	-.0316	-.0411	-.0523	-.0598	-.0671	-.0742	-.0753	247.50
270.00	.1929	.1433	.0609	-.0130	-.0763	-.0919	-.1023	-.1182	-.1281	-.1308	-.1244	-.1144	270.00
292.50	.1238	.0773	.0022	-.0596	-.1138	-.1274	-.1390	-.1419	-.1237	-.0836	-.0779	-.0679	292.50
315.00	.0902	.0491	-.0137	-.0606	-.0979	-.1013	-.0783	-.0704	-.0549	-.0658	-.0729	-.0686	315.00
337.50	.0837	.0498	-.0014	-.0347	-.0619	-.0590	-.0378	-.0288	-.0338	-.0467	-.0611	-.0645	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0555	.0286	-.0071	-.0344	-.0569	-.0528	-.0154	-.0008	-.0031	-.0347	-.0496	-.0567	0.00
22.50	.0465	.0133	-.0309	-.0507	-.0768	-.0782	-.0637	-.1099	-.1290	-.1266	-.1286	-.1219	22.50
45.00	.0389	-.0007	-.0607	-.1068	-.1417	-.1560	-.1329	-.1438	-.1429	-.1283	-.1190	-.1060	45.00
67.50	.0617	.0188	-.0549	-.0842	-.1658	-.1757	-.1426	-.1378	-.1086	-.0959	-.0956	-.0852	67.50
90.00	.1592	.1105	.0314	-.0313	-.1035	-.1233	-.1259	-.1479	-.1383	-.1140	-.1097	-.1027	90.00
112.50	.2978	.2409	.1403	.0644	-.0126	-.0358	-.0433	-.0620	-.0671	-.0743	-.0782	-.0797	112.50
135.00		.3801	.2604	.1670	.0803	.0580	.0514	.0385	.0322		.0223		135.00
157.50	.5658	.4857	.3542	.2486	.1494	.1245	.1213	.1125	.1048	.1022	.0989	.0984	157.50
180.00	.6037	.5309	.3907	.2805	.1793	.1538	.1507		.1342	.1357	.1280	.1285	180.00
202.50	.5686	.4918	.3578	.2498	.1539	.1305	.1250	.1161	.1096	.1090	.1023	.1008	202.50
225.00	.4601	.3894	.2665	.1725	.0850	.0644	.0569	.0474	.0402	.0342	.0290	.0257	225.00
247.50	.3176	.2571	.1507	.0696	-.0072	-.0275	-.0384	-.0529	-.0589	-.0663	-.0737	-.0737	247.50
270.00	.1712	.1205	.0412	-.0348	-.0984	-.1139	-.1244	-.1418	-.1412	-.1150	-.1138	-.1089	270.00
292.50	.0754	.0283	-.0491	-.1108	-.1631	-.1736	-.1517	-.1391	-.1078	-.0976	-.0974	-.0889	292.50
315.00	.0430	-.0011	-.0605	-.1119	-.1461	-.1594	-.1476	-.1430	-.1406	-.1268	-.1191	-.1041	315.00
337.50	.0507	.0126	-.0339	-.0542	-.0789	-.0779	-.0826	-.1195	-.1378	-.1324	-.1336	-.1221	337.50

TABLE II.- Continued

(b) Continued

ALPHA = 20.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	.475	CP FOR X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.0335	.0093	-.0240	-.0478	-.0730	-.0718	-.0476	-.0775	-.0925	-.0973	-.1006	-.1006	0.00
22.50	-.0012	-.0369	-.0641	-.0905	-.1491	-.1699	-.1598	-.1744	-.1577	-.1333	-.1272	-.1164	22.50
45.00	-.0099	-.0460	-.1052	-.1390	-.1658	-.1681	-.1380	-.1493	-.1512	-.1271	-.1208	-.1122	45.00
67.50	.0036	-.0387	-.1001	-.1277	-.1763	-.1668	-.1422	-.1325	-.1226	-.1084	-.1057	-.1017	67.50
90.00	.1378	.0901	.0127	-.0437	-.1155	-.1333	-.1336	-.1520	-.1339	-.1186	-.1206	-.1159	90.00
112.50	.3137	.2576	.1565	.0788	.0007	-.0247	-.0378	-.0498	-.0565	-.0638	-.0649	-.0662	112.50
135.00		.4402	.3178	.2149	.1192	.0950	.0868	.0732	.0657		.0606		135.00
157.50	.6667	.5834	.4465	.3269	.2151	.1871	.1814	.1705	.1595	.1602	.1554	.1563	157.50
180.00	.7184	.6420	.4944	.3685	.2537	.2252	.2210		.1993	.2023	.1945	.1962	180.00
202.50	.6699	.5908	.4499	.3280	.2192	.1927	.1865	.1758	.1658	.1665	.1594	.1594	202.50
225.00	.5232	.4515	.3236	.2211	.1245	.1016	.0945	.0825	.0736	.0701	.0656	.0623	225.00
247.50	.3369	.2776	.1675	.0844	.0063	-.0154	-.0266	-.0402	-.0482	-.0530	-.0620	-.0621	247.50
270.00	.1512	.1009	.0238	-.0468	-.1103	-.1228	-.1314	-.1454	-.1349	-.1226	-.1256	-.1235	270.00
292.50	.0223	-.0260	-.0908	-.1444	-.1774	-.1653	-.1484	-.1308	-.1185	-.1097	-.1108	-.1058	292.50
315.00	-.0064	-.0484	-.0984	-.1384	-.1661	-.1659	-.1514	-.1469	-.1407	-.1150	-.1128	-.1067	315.00
337.50	.0040	-.0369	-.0866	-.1183	-.1632	-.1775	-.1894	-.1805	-.1591	-.1251	-.1182	-.1072	337.50

ALPHA = 24.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	.475	CP FOR X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	-.0130	-.0103	-.0460	-.0718	-.1149	-.1271	-.1152	-.1221	-.1236	-.1149	-.1147	-.1155	0.00
22.50	-.0613	-.0963	-.1264	-.1680	-.1938	-.1816	-.1458	-.1577	-.1478	-.1431	-.1403	-.1399	22.50
45.00	-.0559	-.0922	-.1322	-.1518	-.1695	-.1684	-.1374	-.1454	-.1392	-.1362	-.1371	-.1349	45.00
67.50	-.0416	-.0801	-.1306	-.1473	-.1736	-.1699	-.1474	-.1460	-.1382	-.1314	-.1303	-.1276	67.50
90.00	.1212	.0758	.0018	-.0507	-.1170	-.1371	-.1373	-.1544	-.1571	-.1488	-.1485	-.1459	90.00
112.50	.3292	.2764	.1758	.0972	.0204	-.0084	-.0152	-.0320	-.0395	-.0444	-.0431	-.0482	112.50
135.00		.5024	.3773	.2681	.1654	.1397	.1301	.1175	.1071		.1036		135.00
157.50	.7723	.6810	.5399	.4113	.2869	.2565	.2490	.2382	.2249	.2272	.2206	.2238	157.50
180.00	.8380	.7570	.6011	.4658	.3371	.3053	.2979		.2748	.2782	.2681	.2714	180.00
202.50	.7771	.6918	.5438	.4135	.2922	.2629	.2545	.2416	.2292	.2313	.2219	.2244	202.50
225.00	.5898	.5154	.3834	.2752	.1709	.1459	.1377	.1251	.1136	.1123	.1059	.1034	225.00
247.50	.3615	.3002	.1872	.1038	.0274	.0016	-.0121	-.0230	-.0318	-.0388	-.0405	-.0448	247.50
270.00	.1393	.0927	.0148	-.0549	-.1107	-.1251	-.1341	-.1460	-.1505	-.1485	-.1503	-.1438	270.00
292.50	-.0166	-.0629	-.1193	-.1637	-.1744	-.1669	-.1551	-.1447	-.1395	-.1299	-.1302	-.1297	292.50
315.00	-.0508	-.0927	-.1305	-.1556	-.1701	-.1674	-.1528	-.1460	-.1378	-.1340	-.1371	-.1333	315.00
337.50	-.0496	-.0960	-.1362	-.1678	-.1834	-.1798	-.1684	-.1586	-.1497	-.1411	-.1411	-.1384	337.50

ALPHA = 28.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	.475	CP FOR X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	-.0110	-.0361	-.0727	-.1140	-.1560	-.1577	-.1328	-.1320	-.1347	-.1227	-.1201	-.1186	0.00
22.50	-.1037	-.1282	-.1562	-.1719	-.1879	-.1845	-.1506	-.1746	-.1649	-.1617	-.1662	-.1607	22.50
45.00	-.0942	-.1266	-.1522	-.1646	-.1824	-.1807	-.1506	-.1647	-.1556	-.1539	-.1561	-.1508	45.00
67.50	-.0682	-.1022	-.1459	-.1604	-.1904	-.1817	-.1572	-.1636	-.1543	-.1483	-.1482	-.1460	67.50
90.00	.1080	.0669	-.0017	-.0501	-.1179	-.1349	-.1309	-.1542	-.1541	-.1566	-.1630	-.1590	90.00
112.50	.3426	.2982	.1966	.1203	.0432	.0161	.0067	-.0092	-.0147	-.0185	-.0188	-.0232	112.50
135.00		.5648	.4378	.3266	.2156	.1903	.1795	.1667	.1558		.1525		135.00
157.50	.8804	.7883	.6389	.5044	.3689	.3364	.3272	.3158	.3032	.3060	.2988	.3019	157.50
180.00	.9604	.8801	.7144	.5719	.4323	.3982	.3884		.3651	.3678	.3573	.3614	180.00
202.50	.8826	.7983	.6416	.5048	.3738	.3426	.3329	.3203	.3086	.3085	.2979	.3011	202.50
225.00	.6545	.5815	.4466	.3338	.2235	.1988	.1861	.1735	.1611	.1613	.1514	.1526	225.00
247.50	.3834	.3229	.2100	.1267	.0499	.0262	.0125	-.0007	-.0067	-.0150	-.0209	-.0169	247.50
270.00	.1289	.0850	.0123	-.0538	-.1110	-.1225	-.1305	-.1437	-.1470	-.1533	-.1601	-.1520	270.00
292.50	-.0430	-.0840	-.1337	-.1719	-.1892	-.1773	-.1647	-.1620	-.1550	-.1467	-.1512	-.1428	292.50
315.00	-.0867	-.1252	-.1508	-.1674	-.1822	-.1784	-.1656	-.1633	-.1558	-.1527	-.1559	-.1467	315.00
337.50	-.0935	-.1316	-.1582	-.1760	-.1895	-.1842	-.1755	-.1753	-.1668	-.1615	-.1674	-.1592	337.50

TABLE II.- Continued

(b) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0390	-.0639	-.1019	-.1357	-.1658	-.1662	-.1377	-.1459	-.1489	-.1431	-.1464	-.1513	0.00
22.50	-.1300	-.1501	-.1719	-.1813	-.1935	-.1920	-.1589	-.1831	-.1778	-.1797	-.1795	-.1745	22.50
45.00	-.1228	-.1500	-.1688	-.1764	-.1895	-.1921	-.1631	-.1755	-.1699	-.1667	-.1659	-.1630	45.00
67.50	-.0895	-.1197	-.1570		-.2010	-.1945	-.1714	-.1746	-.1688	-.1616	-.1629	-.1608	67.50
90.00	.0954	.0601	-.0059	-.0494	-.1108	-.1290	-.1286	-.1448	-.1503	-.1516	-.1506	-.1531	90.00
112.50	.3533	.3181	.2182	.1436	.0662	.0421	.0318	.0165	.0164	.0103	.0110	.0066	112.50
135.00		.6256	.4995	.3869	.2707	.2443	.2343	.2219	.2108		.2079		135.00
157.50	.9908	.8913	.7410	.6001	.4590	.4249	.4137	.4033	.3927	.3937	.3845	.3886	157.50
180.00	1.0853	1.0018	.8354	.6828	.5378	.4996	.4875		.4655	.4664	.4553	.4609	180.00
202.50	.9887	.9016	.7451	.5997	.4647	.4309	.4197	.4069	.3950	.3913	.3820	.3936	202.50
225.00	.7194	.6437	.5109	.3941	.2787	.2593	.2406	.2299	.2138	.2140	.2093	.2162	225.00
247.50	.4068	.3466	.2348	.1528	.0732	.0527	.0383	.0261	.0185	.0143	.0149	.0165	247.50
270.00	.1219	.0793	.0105	-.0519	-.1040	-.1176	-.1247	-.1348	-.1413	-.1465	-.1477	-.1445	270.00
292.50	-.0628	-.1009	-.1416	-.1789	-.1996	-.1911	-.1796	-.1757	-.1701	-.1591	-.1611	-.1598	292.50
315.00	-.1139	-.1491	-.1673	-.1795	-.1906	-.1923	-.1809	-.1756	-.1716	-.1640	-.1627	-.1578	315.00
337.50	-.1185	-.1547	-.1747	-.1859	-.1945	-.1937	-.1860	-.1848	-.1818	-.1777	-.1761	-.1708	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0587	-.0838	-.1204	-.1490	-.1736	-.1704	-.1442	-.1635	-.1689	-.1688	-.1740	-.1717	0.00
22.50	-.1483	-.1683	-.1823	-.1901	-.2034	-.1995	-.1656	-.1919	-.1891	-.1871	-.1861	-.1822	22.50
45.00	-.1445	-.1698	-.1819	-.1875	-.2010	-.1989	-.1685	-.1850	-.1797	-.1764	-.1786	-.1749	45.00
67.50	-.1059	-.1356	-.1655	-.2127	-.2071	-.1809	-.1870	-.1870	-.1795	-.1753	-.1765	-.1651	67.50
90.00	.0832	.0561	-.0062	-.0457	-.1051	-.1213	-.1189	-.1393	-.1415	-.1406	-.1414	-.1421	90.00
112.50	.3658	.3379	.2420	.1692	.0919	.0686	.0639	.0529	.0484	.0448	.0457	.0427	112.50
135.00		.6874	.5627	.4477	.3301	.3068	.2933	.2837	.2708		.2703		135.00
157.50	1.0916	.9962	.8455	.6993	.5553	.5188	.5056	.4972	.4868	.4874	.4793	.4861	157.50
180.00	1.2057	1.1212	.9544	.7994	.6473	.6054	.5939		.5762	.5745	.5678	.5742	180.00
202.50	1.0955	1.0075	.8489	.7001	.5615	.5229	.5121	.5006	.4883	.4869	.4830	.4914	202.50
225.00	.7869	.7083	.5732	.4566	.3398	.3140	.3019	.2888	.2730	.2825	.2753	.2829	225.00
247.50	.4320	.3712	.2595	.1788	.0975	.0783	.0663	.0562	.0487	.0482	.0497	.0493	247.50
270.00	.1170	.0779	.0104	-.0477	-.0978	-.1085	-.1150	-.1275	-.1313	-.1325	-.1381	-.1321	270.00
292.50	-.0772	-.1127	-.1498	-.1826	-.2082	-.2033	-.1901	-.1852	-.1764	-.1685	-.1733	-.1661	292.50
315.00	-.1342	-.1678	-.1801	-.1909	-.2019	-.1999	-.1885	-.1861	-.1787	-.1707	-.1748	-.1713	315.00
337.50	-.1344	-.1713	-.1854	-.1949	-.2053	-.2025	-.1948	-.1934	-.1914	-.1819	-.1845	-.1801	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0831	-.1052	-.1377	-.1572	-.1811	-.1767	-.1575	-.1857	-.1861	-.1867	-.1892	-.1865	0.00
22.50	-.1636	-.1813	-.1944	-.1993	-.2116	-.2071	-.1728	-.1988	-.1920	-.1917	-.1928	-.1880	22.50
45.00	-.1599	-.1840	-.1939	-.1960	-.2081	-.2057	-.1739	-.1911	-.1868	-.1841	-.1881	-.1787	45.00
67.50	-.1185	-.1445	-.1717		-.2143	-.2159	-.1900	-.1915	-.1863	-.1838	-.1844	-.1709	67.50
90.00	.0777	.0540	-.0051	-.0419	-.0997	-.1140	-.1119	-.1272	-.1286	-.1280	-.1291	-.1306	90.00
112.50	.3921	.3573	.2640	.1942	.1169	.0940	.0878	.0766	.0750	.0796	.0804	.0749	112.50
135.00		.7501	.6250	.5105	.3932	.3691	.3556	.3434	.3363		.3442		135.00
157.50	1.1835	1.0963	.9467	.8029	.6593	.6148	.6010	.5912	.5869	.5905	.5915	.5866	157.50
180.00	1.3203	1.2383	1.0745	.9200	.7666	.7187	.7040		.6889	.6896	.6918	.6856	180.00
202.50	1.1934	1.1079	.9509	.8009	.6599	.6184	.6075	.5928	.5898	.5887	.5884	.5888	202.50
225.00	.8487	.7695	.6353	.5179	.4014	.3782	.3623	.3463	.3424	.3492	.3356	.3469	225.00
247.50	.4511	.3927	.2845	.2040	.1264	.1053	.0885	.0801	.0834	.0847	.0810	.0834	247.50
270.00	.1101	.0746	.0120	-.0446	-.0921	-.0984	-.1097	-.1150	-.1157	-.1208	-.1274	-.1208	270.00
292.50	-.0891	-.1224	-.1556	-.1847	-.2094	-.2066	-.1975	-.1877	-.1834	-.1831	-.1876	-.1722	292.50
315.00	-.1466	-.1790	-.1894	-.1985	-.2078	-.2038	-.1938	-.1914	-.1880	-.1832	-.1896	-.1804	315.00
337.50	-.1499	-.1831	-.1950	-.2033	-.2117	-.2077	-.2030	-.1993	-.1946	-.1888	-.1941	-.1881	337.50

TABLE II.- Continued

(b) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1066	-.1221	-.1483	-.1705	-.1903	-.1896	-.1735	-.2048	-.1999	-.1977	-.1975	-.1950	0.00
22.50	-.1777	-.1948	-.2010	-.2040	-.2132	-.2139	-.1793	-.2104	-.2009	-.1970	-.1963	-.1858	22.50
45.00	-.1717	-.2003	-.2005	-.1997	-.2088	-.2102	-.1837	-.2092	-.1964	-.1939	-.1913	-.1729	45.00
67.50	-.1277	-.1568	-.1765	-.1755	-.2128	-.2181	-.2034	-.2175	-.1979	-.1951	-.1871	-.1726	67.50
90.00	-.0768	-.0514	-.0039	-.0377	-.0900	-.1078	-.1020	-.1196	-.1144	-.1118	-.1129	-.1161	90.00
112.50	.4150	.3737	.2856	.2180	.1452	.1209	.1162	.1083	.1072	.1125	.1105	.1096	112.50
135.00		.8042	.6826	.5685	.4573	.4297	.4187	.4111	.4095		.4081		135.00
157.50	1.2682	1.1877	1.0448	.9024	.7541	.7174	.7014	.6937	.6936	.6944	.6867	.6896	157.50
180.00	1.4220	1.3450	1.1888	1.0371	.8816	.8389	.8231		.8152	.8117	.8011	.8089	180.00
202.50	1.2843	1.2033	1.0506	.9042	.7634	.7187	.7040	.6972	.6994	.6905	.6848	.6919	202.50
225.00	.9068	.8298	.6961	.5795	.4615	.4347	.4226	.4194	.4150	.4180	.4027	.4185	225.00
247.50	.4678	.4111	.3052	.2267	.1444	.1255	.1189	.1158	.1121	.1157	.1138	.1213	247.50
270.00	.1056	.0722	.0131	-.0408	-.0867	-.0956	-.0977	-.1047	-.1039	-.1071	-.1098	-.0999	270.00
292.50	-.0980	-.1344	-.1599	-.1870	-.2084	-.2090	-.1958	-.1936	-.1993	-.2023	-.1946	-.1786	292.50
315.00	-.1558	-.1949	-.1989	-.2072	-.2129	-.2099	-.1928	-.1978	-.2011	-.1996	-.1968	-.1745	315.00
337.50	-.1597	-.1982	-.2048	-.2119	-.2161	-.2125	-.2021	-.2068	-.2027	-.1992	-.2028	-.1827	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1242	-.1404	-.1662	-.1880	-.2017	-.1972	-.1828	-.2057	-.2050	-.2033	-.1971	-.1698	0.00
22.50	-.1923	-.2010	-.2114	-.2130	-.2149	-.2126	-.1783	-.2090	-.2073	-.2031	-.1922	-.1695	22.50
45.00	-.1861	-.2094	-.2126	-.2099	-.2128	-.2091	-.1785	-.2062	-.2065	-.1976	-.1869	-.1745	45.00
67.50	-.1358	-.1606	-.1818	-.1818	-.2119	-.2146	-.1955	-.2139	-.2147	-.2029	-.1898	-.1771	67.50
90.00	-.0734	-.0476	-.0038	-.0353	-.0840	-.1004	-.0947	-.1055	-.1054	-.0967	-.0954	-.0995	90.00
112.50	.4362	.3862	.3043	.2401	.1636	.1512	.1489	.1398	.1412	.1468	.1496	.1456	112.50
135.00		.8573	.7411	.6295	.5004	.4998	.4869	.4784	.4757		.4847		135.00
157.50	1.3448	1.2705	1.1382	1.0031	.8445	.8242	.8123	.8013	.8010	.8000	.8043	.7948	157.50
180.00	1.5123	1.4403	1.2972	1.1520	.9739	.9606	.9487		.9325	.9287	.9263	.9258	180.00
202.50	1.3612	1.2834	1.1426	1.0020	.8496	.8250	.8184	.8048	.8018	.7978	.8021	.7970	202.50
225.00	.9533	.8780	.7532	.6349	.5230	.5024	.4966	.4869	.4802	.4894	.4894	.4848	225.00
247.50	.4799	.4233	.3250	.2453	.1747	.1608	.1527	.1478	.1457	.1524	.1543	.1519	247.50
270.00	.0983	.0677	.0135	-.0412	-.0760	-.0853	-.0884	-.0917	-.0926	-.0909	-.0909	-.0869	270.00
292.50	-.1068	-.1393	-.1647	-.1912	-.2072	-.2068	-.2078	-.2052	-.1996	-.1928	-.1859	-.1797	292.50
315.00	-.1595	-.1942	-.1992	-.2073	-.2132	-.2157	-.2095	-.2046	-.2004	-.1934	-.1855	-.1743	315.00
337.50	-.1663	-.1977	-.2059	-.2131	-.2189	-.2198	-.2147	-.2104	-.2044	-.1998	-.1934	-.1687	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1922	-.1908	-.1915	-.2001	-.2149	-.2022	-.1879	-.2082	-.1923	-.1803	-.1661	-.1471	0.00
22.50	-.1773	-.2023	-.2261	-.2202	-.2191	-.2151	-.1807	-.2075	-.1962	-.1798	-.1669	-.1432	22.50
45.00	-.1642	-.1924	-.2299	-.2216	-.2078	-.2030	-.1834	-.2004	-.1971	-.1778	-.1637	-.1418	45.00
67.50	-.1436	-.1667	-.1875	-.1875	-.2148	-.2106	-.2024	-.2095	-.2061	-.1780	-.1583	-.1398	67.50
90.00	-.0654	-.0426	-.0055	-.0322	-.0841	-.0931	-.0883	-.0969	-.0930	-.0859	-.0923	-.0889	90.00
112.50	.4393	.3949	.3196	.2614	.1924	.1792	.1789	.1700	.1723	.1789	.1611	.1736	112.50
135.00		.8993	.7921	.6845	.5594	.5640	.5517	.5440	.5411		.5252		135.00
157.50	1.4082	1.3411	1.2212	1.0947	.9293	.9336	.9197	.9064	.9057	.9017	.8684	.8971	157.50
180.00	1.5865	1.5227	1.3971	1.2614	1.0945	1.0848	1.0725		1.0520	1.0507	1.0141	1.0452	180.00
202.50	1.4265	1.3560	1.2259	1.0949	.9287	.9337	.9245	.9133	.9123	.9062	.8708	.9012	202.50
225.00	.9890	.9186	.8000	.6912	.5592	.5694	.5606	.5541	.5527	.5543	.5244	.5445	225.00
247.50	.4854	.4298	.3346	.2694	.1916	.1865	.1817	.1791	.1762	.1813	.1736	.1787	247.50
270.00	.0898	.0621	.0087	-.0345	-.0772	-.0788	-.0813	-.0811	-.0815	-.0806	-.0828	-.0794	270.00
292.50	-.1152	-.1484	-.1697	-.1918	-.2131	-.2088	-.2080	-.1937	-.1783	-.1785	-.1548	-.1435	292.50
315.00	-.1838	-.2184	-.1946	-.2047	-.2356	-.2326	-.2103	-.1947	-.1819	-.1792	-.1691	-.1429	315.00
337.50	-.1943	-.2174	-.2020	-.2163	-.2375	-.2321	-.2198	-.2049	-.1859	-.1797	-.1744	-.1445	337.50

TABLE II.- Continued

(b) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1798	-.1926	-.1939	-.2058	-.2103	-.2007	-.1865	-.1817	-.1608	-.1536	-.1465	-.1446	0.00
22.50	-.2085	-.2021	-.2188	-.2267	-.2237	-.2208	-.1764	-.1779	-.1571	-.1528	-.1486	-.1465	22.50
45.00	-.2013	-.1977	-.2122	-.2297	-.2190	-.2141	-.1775	-.1772	-.1559	-.1503	-.1428	-.1469	45.00
67.50	-.1515	-.1724	-.1907		-.2130	-.2178	-.1972	-.1788	-.1551	-.1491	-.1417	-.1440	67.50
90.00	.0609	.0372	-.0072	-.0295	-.0708	-.0852	-.0798	-.0878	-.0838	-.0779	-.0747	-.0793	90.00
112.50	.4465	.4007	.3307	.2795	.2220	.2070	.2061	.1962	.1990	.2077	.2199	.2062	112.50
135.00		.9361	.8368	.7380	.6350	.6284	.6137	.6031	.6065		.6417		135.00
157.50	1.4686	1.4064	1.2992	1.1806	1.0583	1.0302	1.0173	1.0100	1.0118	1.0070	1.0120	1.0023	157.50
180.00	1.6565	1.5987	1.4864	1.3602	1.2214	1.2010	1.1916		1.1754	1.1699	1.1507	1.1573	180.00
202.50	1.4790	1.4124	1.2981	1.1802	1.0692	1.0387	1.0323	1.0203	1.0120	1.0066	.9732	.9978	202.50
225.00	1.0121	.9461	.8481	.7479	.6700	.6336	.6275	.6184	.6131	.6185	.6226	.6109	225.00
247.50	.4819	.4336	.3551	.2912	.2416	.2151	.2098	.2080	.2044	.2126	.2025	.2115	247.50
270.00	.0797	.0592	.0127	-.0303	-.0632	-.0688	-.0733	-.0736	-.0723	-.0720	-.0727	-.0693	270.00
292.50	-.1236	-.1509	-.1711	-.1937	-.2060	-.2063	-.2062	-.1823	-.1449	-.1434	-.1415	-.1405	292.50
315.00	-.1608	-.2239	-.2183	-.2029	-.2194	-.2151	-.2054	-.1901	-.1529	-.1447	-.1448	-.1415	315.00
337.50	-.1755	-.2283	-.2222	-.2159	-.2252	-.2146	-.2104	-.1944	-.1576	-.1496	-.1480	-.1413	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1724	-.1962	-.1978	-.1991	-.1975	-.1864	-.1647	-.1718	-.1653	-.1524	-.1540	-.1636	0.00
22.50	-.2129	-.2248	-.2181	-.2111	-.2121	-.2019	-.1534	-.1705	-.1616	-.1531	-.1550	-.1610	22.50
45.00	-.2018	-.2301	-.2127	-.2110	-.2105	-.2002	-.1555	-.1694	-.1612	-.1496	-.1500	-.1533	45.00
67.50	-.1585	-.1815	-.1935		-.2131	-.2074	-.1666	-.1709	-.1627	-.1455	-.1456	-.1501	67.50
90.00	.0519	.0284	-.0087	-.0287	-.0696	-.0774	-.0721	-.0795	-.0727	-.0669	-.0672	-.0747	90.00
112.50	.4426	.4008	.3401	.2933	.2386	.2314	.2326	.2267	.2342	.2421	.2406	.2266	112.50
135.00		.9572	.8679	.7787	.6931	.6864	.6760	.6677	.6720		.6788		135.00
157.50	1.5098	1.4553	1.3585	1.2530	1.1479	1.1271	1.1186	1.1064	1.1048	1.1018	1.0995	1.0755	157.50
180.00	1.7050	1.6616	1.5676	1.4535	1.3381	1.3157	1.3013		1.2798	1.2766	1.2721	1.2450	180.00
202.50	1.5308	1.4777	1.3799	1.2691	1.1602	1.1348	1.1265	1.1111	1.1047	1.0996	1.0954	1.0691	202.50
225.00	1.0454	.9881	.8973	.8017	.7157	.6959	.6877	.6765	.6749	.6768	.6757	.6504	225.00
247.50	.4927	.4459	.3711	.3091	.2549	.2423	.2380	.2376	.2335	.2397	.2402	.2294	247.50
270.00	.0779	.0560	.0129	-.0284	-.0587	-.0602	-.0645	-.0641	-.0608	-.0638	-.0650	-.0650	270.00
292.50	-.1280	-.1575	-.1739	-.1955	-.2045	-.1996	-.1855	-.1601	-.1570	-.1438	-.1427	-.1419	292.50
315.00	-.1707	-.2086	-.2253	-.2071	-.1992	-.1978	-.1829	-.1636	-.1611	-.1492	-.1480	-.1445	315.00
337.50	-.1818	-.2162	-.2266	-.2163	-.2013	-.1988	-.1872	-.1662	-.1627	-.1540	-.1537	-.1570	337.50

TABLE II.- Continued

(c) $M_{\infty} = 2.96$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2736	.2270	.1474	.0780	.0194	.0117	.0250	.0154	.0139	.0115	.0093	.0116	0.00
22.50	.2670	.2210	.1412	.0721	.0137	.0042	.0196	.0061	.0071	.0072	.0057	.0082	22.50
45.00	.2599	.2042	.1252	.0620	.0064	-.0035	.0118	-.0020	-.0012	-.0003	-.0023	.0004	45.00
67.50	.2272	.1814	.1036		-.0043	-.0127	-.0068	-.0117	-.0110	-.0101	-.0110	-.0072	67.50
90.00	.2090	.1554	.0821	.0373	-.0155	-.0225	-.0119	-.0189	-.0176	-.0144	-.0140	-.0094	90.00
112.50	.1819	.1338	.0658	.0178	-.0241	-.0308	-.0219	-.0217	-.0163	-.0102	-.0095	-.0047	112.50
135.00		.1187	.0540	.0097	-.0290	-.0333	-.0205	-.0159	-.0099		.0009		135.00
157.50	.1524	.1087	.0470	.0046	-.0318	-.0350	-.0196	-.0123	-.0042	.0030	.0037	.0087	157.50
180.00	.1482	.1074	.0447	.0035	-.0320	-.0334	-.0156		-.0011	.0068	.0064	.0096	180.00
202.50	.1549	.1108	.0469	.0030	-.0270	-.0337	-.0224	-.0145	-.0035	.0044	.0034	.0080	202.50
225.00	.1667	.1201	.0533	.0074	-.0307	-.0337	-.0244	-.0175	-.0111	-.0018	-.0027	.0023	225.00
247.50	.1818	.1371	.0655	.0158	-.0255	-.0302	-.0253	-.0219	-.0175	-.0094	-.0106	-.0068	247.50
270.00	.2065	.1569	.0830	.0289	-.0166	-.0240	-.0174	-.0187	-.0181	-.0126	-.0146	-.0113	270.00
292.50	.2338	.1836	.1042	.0446	-.0058	-.0133	-.0121	-.0105	-.0104	-.0069	-.0101	-.0082	292.50
315.00	.2582	.2066	.1256	.0599	.0050	-.0036	-.0018	-.0008	-.0004	.0026	-.0006	.0016	315.00
337.50	.2697	.2215	.1406	.0708	.0135	.0043	.0037	.0066	.0074	.0100	.0065	.0091	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2257	.1750	.0955	.0375	-.0102	-.0168	.0060	-.0082	-.0017	.0008	.0013	-.0008	0.00
22.50	.2237	.1744	.0947	.0358	-.0126	-.0215	.0093	-.0114	-.0022	.0008	.0015	-.0002	22.50
45.00	.2287	.1742	.0947	.0374	-.0114	-.0215	.0051	-.0111	-.0021	.0011	.0014	.0009	45.00
67.50	.2226	.1738	.0941		-.0112	-.0206	-.0037	-.0103	-.0016	.0018	.0025	.0034	67.50
90.00	.2245	.1721	.0939	.0424	-.0102	-.0203	-.0020	-.0095	-.0007	.0024	.0034	.0040	90.00
112.50	.2259	.1715	.0945	.0388	-.0092	-.0199	-.0050	-.0088	-.0004	.0033	.0037	.0039	112.50
135.00		.1724	.0961	.0394	-.0085	-.0177	-.0029	-.0079	-.0000		.0071		135.00
157.50	.2253	.1699	.0958	.0388	-.0087	-.0186	-.0043	-.0080		.0002	.0046	.0032	157.50
180.00	.2219	.1716	.0949	.0379	-.0080	-.0174	-.0012	-.0000		.0054	.0044	.0048	180.00
202.50	.2284	.1730	.0956	.0370	-.0039	-.0179	-.0068	-.0087	-.0008	.0047	.0027	.0060	202.50
225.00	.2276	.1727	.0947	.0366	-.0100	-.0189	-.0066	-.0089	-.0010	.0044	.0020	.0033	225.00
247.50	.2264	.1757	.0949	.0361	-.0103	-.0189	-.0094	-.0094	-.0011	.0038	.0009	.0008	247.50
270.00	.2279	.1747	.0950	.0355	-.0107	-.0195	-.0065	-.0094	-.0016	.0033	.0008	.0009	270.00
292.50	.2335	.1775	.0950	.0349	-.0112	-.0199	-.0114	-.0096	-.0018	.0028	.0006	-.0000	292.50
315.00	.2342	.1766	.0946	.0344	-.0122	-.0206	-.0098	-.0101	-.0024	.0024	.0005	.0008	315.00
337.50	.2306	.1765	.0953	.0348	-.0124	-.0204	-.0125	-.0109	-.0029	.0023	.0005	.0001	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1591	.1151	.0545	.0092	-.0264	-.0265	-.0017	-.0122	.0003	.0064	.0069	.0074	0.00
22.50	.1596	.1164	.0516	.0070	-.0309	-.0355	-.0015	-.0181	-.0050	.0021	.0041	.0058	22.50
45.00	.1775	.1268	.0573	.0115	-.0293	-.0378	-.0070	-.0210	-.0119	-.0054	-.0033	-.0005	45.00
67.50	.1911	.1439	.0691		-.0247	-.0346	-.0174	-.0246	-.0171	-.0127	-.0114	-.0086	67.50
90.00	.2192	.1673	.0876	.0471	-.0156	-.0281	-.0118	-.0223	-.0176	-.0157	-.0151	-.0133	90.00
112.50	.2468	.1952	.1107	.0488	-.0035	-.0176	-.0079	-.0142	-.0104	-.0096	-.0101	-.0099	112.50
135.00		.2222	.1320	.0636	.0078	-.0054	.0042	-.0021	.0001		.0037		135.00
157.50	.2932	.2362	.1464	.0745	.0168	.0031	.0119	.0065	.0089	.0097	.0093	.0113	157.50
180.00	.2964	.2446	.1512	.0782	.0205	.0073	.0188		.0121	.0143	.0133	.0137	180.00
202.50	.2955	.2395	.1462	.0733	.0206	.0045	.0112	.0078	.0096	.0113	.0096	.0114	202.50
225.00	.2771	.2234	.1317	.0617	.0072	-.0046	.0029	-.0009	.0013	.0029	.0003	.0014	225.00
247.50	.2521	.2011	.1120	.0463	-.0052	-.0155	-.0106	-.0123	-.0093	-.0082	-.0112	-.0106	247.50
270.00	.2228	.1713	.0906	.0303	-.0170	-.0259	-.0169	-.0218	-.0179	-.0149	-.0164	-.0146	270.00
292.50	.2028	.1481	.0717	.0172	-.0255	-.0335	-.0270	-.0258	-.0191	-.0122	-.0131	-.0102	292.50
315.00	.1831	.1280	.0588	.0086	-.0304	-.0361	-.0254	-.0224	-.0125	-.0042	-.0036	.0007	315.00
337.50	.1664	.1168	.0525	.0045	-.0316	-.0351	-.0254	-.0201	-.0065	.0040	.0033	.0069	337.50

TABLE II.- Continued

(c) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1085	.0722	.0235	-.0115	-.0365	-.0340	-.0033	-.0077	-.0025	.0011	.0016	.0018	0.00
22.50	.1065	.0704	.0168	-.0183	-.0456	-.0492	-.0072	-.0201	-.0124	-.0102	-.0096	-.0097	22.50
45.00	.1270	.0819	.0208	-.0167	-.0515	-.0592	-.0256	-.0339	-.0225	-.0154	-.0149	-.0143	45.00
67.50	.1529	.1078	.0403	-.0502	-.0502	-.0616	-.0488	-.0627	-.0611	-.0587	-.0569	-.0532	67.50
90.00	.2068	.1537	.0768	.0355	-.0322	-.0473	-.0364	-.0536	-.0580	-.0629	-.0645	-.0655	90.00
112.50	.2680	.2147	.1238	.0562	-.0024	-.0194	-.0155	-.0255	-.0293	-.0320	-.0347	-.0386	112.50
135.00		.2685	.1730	.0944	.0284	.0108	.0155	.0079	.0047		.0042		135.00
157.50	.3686	.3067	.2106	.1242	.0520	.0335	.0384	.0332	.0323	.0309	.0289	.0290	157.50
180.00	.3800	.3235	.2222	.1341	.0613	.0429	.0513		.0431	.0429	.0400	.0393	180.00
202.50	.3722	.3109	.2124	.1229	.0560	.0356	.0391	.0358	.0344	.0331	.0296	.0298	202.50
225.00	.3297	.2718	.1762	.0947	.0295	.0130	.0164	.0122	.0088	.0069	.0024	.0019	225.00
247.50	.2732	.2296	.1282	.0565	-.0013	-.0156	-.0163	-.0206	-.0249	-.0284	-.0337	-.0351	247.50
270.00	.2118	.1607	.0803	.0195	-.0305	-.0428	-.0406	-.0509	-.0562	-.0600	-.0652	-.0643	270.00
292.50	.1660	.1141	.0430	-.0083	-.0500	-.0601	-.0607	-.0643	-.0658	-.0606	-.0617	-.0583	292.50
315.00	.1349	.0843	.0241	-.0201	-.0534	-.0602	-.0476	-.0404	-.0283	-.0169	-.0173	-.0156	315.00
337.50	.1151	.0718	.0183	-.0211	-.0469	-.0493	-.0323	-.0203	-.0129	-.0063	-.0086	-.0075	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0705	.0365	-.0020	-.0213	-.0444	-.0393	-.0092	-.0195	-.0114	-.0054	-.0068	-.0049	0.00
22.50	.0630	.0294	-.0104	-.0350	-.0596	-.0594	-.0185	-.0471	-.0490	-.0663	-.0770	-.0749	22.50
45.00	.0775	.0325	-.0142	-.0471	-.0825	-.0853	-.0530	-.0863	-.0768	-.0749	-.0768	-.0738	45.00
67.50	.1094	.0636	.0047	-.0839	-.0928	-.0814	-.0930	-.0792	-.0738	-.0739	-.0739	-.0686	67.50
90.00	.1881	.1340	.0593	.0203	-.0519	-.0648	-.0556	-.0828	-.0817	-.0829	-.0840	-.0784	90.00
112.50	.2855	.2290	.1354	.0649	-.0009	-.0179	-.0153	-.0337	-.0348	-.0368	-.0413	-.0434	112.50
135.00		.3197	.2186	.1325	.0540	.0353	.0361	.0231	.0212		.0195		135.00
157.50	.4565	.3863	.2749	.1861	.0985	.0767	.0767	.0685	.0681	.0679	.0643	.0649	157.50
180.00	.4802	.4152	.2958	.2050	.1163	.0937	.0957		.0865	.0873	.0829	.0827	180.00
202.50	.4610	.3922	.2764	.1851	.1028	.0802	.0775	.0714	.0708	.0699	.0650	.0659	202.50
225.00	.3880	.3255	.2216	.1335	.0563	.0394	.0376	.0294	.0266	.0245	.0184	.0201	225.00
247.50	.2950	.2399	.1426	.0663	.0018	-.0111	-.0155	-.0269	-.0284	-.0330	-.0401	-.0376	247.50
270.00	.1971	.1450	.0658	.0030	-.0491	-.0574	-.0594	-.0781	-.0793	-.0797	-.0844	-.0764	270.00
292.50	.1263	.0735	.0089	-.0405	-.0831	-.0896	-.0958	-.0937	-.0808	-.0719	-.0763	-.0684	292.50
315.00	.0879	.0364	-.0134	-.0532	-.0861	-.0887	-.0809	-.0898	-.0800	-.0737	-.0778	-.0703	315.00
337.50	.0729	.0303	-.0104	-.0390	-.0599	-.0582	-.0461	-.0485	-.0538	-.0654	-.0790	-.0756	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0431	.0106	-.0126	-.0306	-.0505	-.0475	-.0174	-.0416	-.0418	-.0559	-.0613	-.0636	0.00
22.50	.0303	-.0031	-.0330	-.0544	-.0771	-.0856	-.0644	-.1134	-.0974	-.0946	-.0916	-.0879	22.50
45.00	.0331	-.0139	-.0506	-.0785	-.1012	-.1035	-.0675	-.1028	-.0896	-.0832	-.0837	-.0813	45.00
67.50	.0666	.0179	-.0308	-.0807	-.1022	-.1113	-.0859	-.1036	-.0870	-.0804	-.0804	-.0776	67.50
90.00	.1720	.1149	.0468	.0114	-.0570	-.0737	-.0631	-.0955	-.0892	-.0902	-.0906	-.0875	90.00
112.50	.3056	.2450	.1552	.0798	.0128	-.0069	-.0078	-.0291	-.0286	-.0306	-.0305	-.0347	112.50
135.00		.3752	.2673	.1766	.0921	.0696	.0668	.0514	.0502		.0506		135.00
157.50	.5496	.4744	.3501	.2521	.1587	.1315	.1279	.1178	.1176	.1163	.1155	.1156	157.50
180.00	.5880	.5173	.3817	.2790	.1864	.1571	.1554		.1455	.1453	.1437	.1428	180.00
202.50	.5568	.4821	.3512	.2510	.1625	.1351	.1297	.1211	.1201	.1189	.1165	.1168	202.50
225.00	.4523	.3847	.2705	.1782	.0949	.0737	.0691	.0572	.0557	.0534	.0498	.0508	225.00
247.50	.3196	.2609	.1629	.0807	.0157	.0002	-.0061	-.0214	-.0201	-.0251	-.0271	-.0290	247.50
270.00	.1850	.1294	.0565	-.0063	-.0540	-.0651	-.0668	-.0888	-.0846	-.0862	-.0879	-.0815	270.00
292.50	.0883	.0340	-.0229	-.0671	-.1007	-.1072	-.1015	-.1024	-.0864	-.0774	-.0803	-.0749	292.50
315.00	.0445	-.0115	-.0498	-.0835	-.1026	-.1053	-.0954	-.1021	-.0896	-.0801	-.0821	-.0749	315.00
337.50	.0407	-.0041	-.0365	-.0592	-.0810	-.0903	-.1076	-.1189	-.1035	-.0932	-.0924	-.0843	337.50

TABLE II.- Continued

(c) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0206	-.0066	-.0232	-.0413	-.0677	-.0665	-.0513	-.0859	-.0837	-.0840	-.0835	-.0820	0.00
22.50	-.0038	-.0375	-.0641	-.0878	-.1105	-.1105	-.0684	-.1145	-.0996	-.0965	-.0981	-.0963	22.50
45.00	-.0077	-.0513	-.0761	-.0906	-.1081	-.1104	-.0723	-.1087	-.0948	-.0915	-.0930	-.0925	45.00
67.50	.0282	-.0096	-.0582	-.0582	-.1127	-.1169	-.0892	-.1095	-.0952	-.0897	-.0876	-.0876	67.50
90.00	.1579	.1066	.0379	.0096	-.0602	-.0756	-.0643	-.0945	-.0898	-.0927	-.0936	-.0950	90.00
112.50	.3247	.2682	.1761	.0995	.0299	.0084	.0057	-.0142	-.0133	-.0137	-.0162	-.0184	112.50
135.00		.4370	.3199	.2280	.1360	.1119	.1059	.0920	.0881		.0890		135.00
157.50	.6503	.5731	.4360	.3294	.2260	.1971	.1928	.1848	.1794	.1788	.1789	.1790	157.50
180.00	.7034	.6297	.4806	.3661	.2592	.2297	.2273		.2149	.2160	.2148	.2150	180.00
202.50	.6586	.5799	.4355	.3268	.2283	.2002	.1944	.1865	.1813	.1799	.1790	.1790	202.50
225.00	.5174	.4478	.3235	.2292	.1385	.1154	.1095	.0973	.0931	.0916	.0884	.0891	225.00
247.50	.3422	.2848	.1859	.1010	.0330	.0163	.0084	-.0060	-.0052	-.0094	-.0152	-.0115	247.50
270.00	.1732	.1217	.0501	-.0094	-.0559	-.0644	-.0683	-.0873	-.0839	-.0867	-.0919	-.0867	270.00
292.50	.0536	.0020	-.0451	-.0825	-.1105	-.1127	-.1051	-.1077	-.0951	-.0868	-.0865	-.0837	292.50
315.00	.0038	-.0498	-.0761	-.0941	-.1081	-.1109	-.1017	-.1079	-.0955	-.0888	-.0927	-.0875	315.00
337.50	.0079	-.0394	-.0677	-.0973	-.1109	-.1125	-.1110	-.1158	-.1024	-.0944	-.0983	-.0936	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0037	-.0192	-.0422	-.0662	-.0901	-.0890	-.0717	-.0932	-.0919	-.0879	-.0900	-.0901	0.00
22.50	-.0361	-.0632	-.0888	-.1017	-.1162	-.1155	-.0699	-.1108	-.1065	-.1067	-.1071	-.1067	22.50
45.00	-.0363	-.0708	-.0934	-.1003	-.1148	-.1159	-.0763	-.1095	-.1056	-.1030	-.1030	-.1034	45.00
67.50	.0044	-.0279	-.0709	-.0709	-.1185	-.1232	-.0951	-.1103	-.1050	-.1014	-.1018	-.1024	67.50
90.00	.1508	.1021	.0362	.0100	-.0561	-.0754	-.0630	-.0845	-.0866	-.0885	-.0910	-.0939	90.00
112.50	.3479	.2938	.2023	.1223	.0519	.0268	.0245	.0106	.0067	.0102	.0049	.0017	112.50
135.00		.5048	.3805	.2810	.1887	.1598	.1531	.1423	.1377		.1393		135.00
157.50	.7570	.6775	.5338	.4140	.2978	.2666	.2633	.2554	.2504	.2517	.2504	.2497	157.50
180.00	.8255	.7487	.5923	.4636	.3416	.3082	.3076		.2928	.2970	.2927	.2944	180.00
202.50	.7661	.6833	.5332	.4113	.2995	.2694	.2649	.2568	.2521	.2519	.2497	.2502	202.50
225.00	.5861	.5138	.3837	.2827	.1904	.1633	.1568	.1475	.1424	.1396	.1378	.1371	225.00
247.50	.3692	.3116	.2147	.1255	.0549	.0358	.0264	.0192	.0147	.0129	.0082	.0092	247.50
270.00	.1666	.1168	.0500	-.0065	-.0530	-.0636	-.0656	-.0759	-.0777	-.0826	-.0908	-.0820	270.00
292.50	.0316	-.0142	-.0562	-.0917	-.1159	-.1187	-.1106	-.1074	-.1035	-.0983	-.1004	-.0975	292.50
315.00	-.0238	-.0699	-.0905	-.1044	-.1145	-.1170	-.1064	-.1088	-.1062	-.1002	-.1023	-.0975	315.00
337.50	-.0232	-.0656	-.0877	-.1058	-.1167	-.1186	-.1131	-.1116	-.1092	-.1046	-.1071	-.1034	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0150	-.0360	-.0569	-.0826	-.1011	-.0956	-.0746	-.1013	-.1003	-.0975	-.1005	-.1050	0.00
22.50	-.0614	-.0823	-.1001	-.1079	-.1217	-.1205	-.0736	-.1171	-.1131	-.1138	-.1141	-.1142	22.50
45.00	-.0576	-.0920	-.1057	-.1081	-.1206	-.1223	-.0807	-.1166	-.1116	-.1094	-.1095	-.1103	45.00
67.50	-.0133	-.0451	-.0803	-.0803	-.1213	-.1279	-.1024	-.1187	-.1124	-.1090	-.1099	-.1089	67.50
90.00	.1440	.0985	.0342	.0105	-.0541	-.0728	-.0601	-.0816	-.0833	-.0831	-.0862	-.0860	90.00
112.50	.3708	.3194	.2280	.1487	.0753	.0491	.0449	.0337	.0301	.0311	.0345	.0312	112.50
135.00		.5715	.4439	.3399	.2425	.2156	.2065	.1985	.1949		.2008		135.00
157.50	.8670	.7862	.6380	.5077	.3805	.3477	.3402	.3350	.3288	.3349	.3327	.3359	157.50
180.00	.9504	.8728	.7119	.5712	.4364	.4009	.3963		.3830	.3908	.3857	.3907	180.00
202.50	.8744	.7905	.6363	.5047	.3813	.3497	.3423	.3358	.3291	.3323	.3305	.3337	202.50
225.00	.6537	.5815	.4475	.3417	.2440	.2181	.2104	.2036	.1979	.1969	.1969	.1972	225.00
247.50	.3945	.3378	.2385	.1520	.0781	.0583	.0469	.0423	.0382	.0381	.0344	.0359	247.50
270.00	.1624	.1178	.0494	-.0066	-.0503	-.0590	-.0610	-.0723	-.0733	-.0775	-.0823	-.0760	270.00
292.50	.0159	-.0295	-.0655	-.0948	-.1182	-.1216	-.1187	-.1150	-.1094	-.1056	-.1081	-.1042	292.50
315.00	-.0419	-.0899	-.1024	-.1122	-.1205	-.1223	-.1134	-.1163	-.1125	-.1067	-.1092	-.1043	315.00
337.50	-.0443	-.0839	-.1011	-.1134	-.1221	-.1230	-.1195	-.1178	-.1159	-.1113	-.1142	-.1103	337.50

TABLE II.- Continued

(c) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0298	-.0574	-.0673	-.0885	-.1037	-.0967	-.0780	-.1185	-.1123	-.1121	-.1134	-.1138	0.00
22.50	-.0770	-.1037	-.1086	-.1138	-.1262	-.1235	-.0764	-.1305	-.1186	-.1181	-.1187	-.1164	22.50
45.00	-.0720	-.1139	-.1147	-.1137	-.1260	-.1253	-.0835	-.1282	-.1160	-.1139	-.1148	-.1120	45.00
67.50	-.0269	-.0631	-.0880		-.1232	-.1284	-.1067	-.1331	-.1184	-.1157	-.1163	-.1095	67.50
90.00	.1376	.0922	.0353	.0142	-.0509	-.0652	-.0526	-.0858	-.0774	-.0741	-.0746	-.0740	90.00
112.50	.3882	.3398	.2499	.1747	.0989	.0761	.0704	.0553	.0588	.0614	.0637	.0620	112.50
135.00		.6338	.5073	.4012	.2954	.2709	.2591	.2547	.2521		.2568		135.00
157.50	.9738	.8895	.7418	.6066	.4668	.4365	.4251	.4232	.4176	.4281	.4226	.4286	157.50
180.00	1.0783	.9968	.8337	.6868	.5390	.5051	.4952		.4882	.4991	.4893	.4977	180.00
202.50	.9826	.8960	.7422	.6032	.4690	.4377	.4278	.4241	.4176	.4248	.4192	.4272	202.50
225.00	.7219	.6461	.5125	.4040	.2980	.2734	.2636	.2580	.2540	.2578	.2539	.2579	225.00
247.50	.4204	.3615	.2615	.1803	.1032	.0843	.0737	.0637	.0660	.0643	.0625	.0672	247.50
270.00	.1596	.1129	.0532	-.0019	-.0459	-.0526	-.0532	-.0730	-.0655	-.0697	-.0697	-.0659	270.00
292.50	.0037	-.0441	-.0723	-.0998	-.1206	-.1209	-.1229	-.1281	-.1137	-.1102	-.1133	-.1061	292.50
315.00	-.0535	-.1108	-.1115	-.1184	-.1257	-.1246	-.1178	-.1275	-.1157	-.1103	-.1137	-.1075	315.00
337.50	-.0580	-.1065	-.1105	-.1199	-.1271	-.1252	-.1239	-.1306	-.1202	-.1146	-.1177	-.1121	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0419	-.0666	-.0730	-.0910	-.1048	-.0994	-.0819	-.1242	-.1173	-.1177	-.1197	-.1210	0.00
22.50	-.0870	-.1110	-.1135	-.1173	-.1285	-.1272	-.0778	-.1312	-.1211	-.1210	-.1212	-.1190	22.50
45.00	-.0803	-.1198	-.1202	-.1176	-.1282	-.1287	-.0844	-.1295	-.1203	-.1190	-.1193	-.1139	45.00
67.50	-.0367	-.0715	-.0903		-.1239	-.1300	-.1070	-.1344	-.1242	-.1230	-.1212	-.1131	67.50
90.00	.1332	.0920	.0374	.0194	-.0447	-.0619	-.0493	-.0735	-.0695	-.0681	-.0660	-.0680	90.00
112.50	.4047	.3619	.2732	.2043	.1270	.1016	.0991	.0850	.0924	.0962	.0976	.0934	112.50
135.00		.6980	.5730	.4657	.3542	.3279	.3202	.3169	.3139		.3209		135.00
157.50	1.0869	.9969	.8484	.7092	.5637	.5289	.5204	.5206	.5186	.5298	.5205	.5290	157.50
180.00	1.2072	1.1243	.9558	.8049	.6521	.6130	.6065		.6065	.6172	.6046	.6138	180.00
202.50	1.0935	1.0041	.8480	.7068	.5650	.5312	.5242	.5212	.5200	.5268	.5178	.5290	202.50
225.00	.7884	.7122	.5779	.4696	.3580	.3336	.3227	.3196	.3154	.3232	.3180	.3236	225.00
247.50	.4453	.3880	.2864	.2089	.1318	.1111	.1019	.0938	.0960	.0979	.0968	.1003	247.50
270.00	.1574	.1132	.0550	.0031	-.0388	-.0457	-.0471	-.0608	-.0564	-.0601	-.0629	-.0554	270.00
292.50	-.0048	-.0497	-.0748	-.1021	-.1198	-.1213	-.1228	-.1277	-.1168	-.1163	-.1189	-.1068	292.50
315.00	-.0600	-.1169	-.1172	-.1233	-.1282	-.1276	-.1194	-.1279	-.1193	-.1155	-.1189	-.1082	315.00
337.50	-.0664	-.1147	-.1167	-.1242	-.1297	-.1306	-.1265	-.1304	-.1221	-.1177	-.1208	-.1130	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0480	-.0699	-.0816	-.0931	-.1053	-.0987	-.0869	-.1199	-.1228	-.1196	-.1208	-.1165	0.00
22.50	-.0953	-.1098	-.1176	-.1167	-.1260	-.1241	-.0853	-.1229	-.1223	-.1200	-.1210	-.1151	22.50
45.00	-.0850	-.1185	-.1245	-.1155	-.1256	-.1266	-.0871	-.1213	-.1215	-.1184	-.1189	-.1110	45.00
67.50	-.0471	-.0719	-.0969		-.1202	-.1260	-.1092	-.1256	-.1272	-.1241	-.1236	-.1151	67.50
90.00	.1235	.0928	.0370	.0175	-.0375	-.0535	-.0415	-.0601	-.0609	-.0546	-.0510	-.0552	90.00
112.50	.4096	.3784	.2925	.2264	.1553	.1287	.1326	.1245	.1287	.1264	.1315	.1293	112.50
135.00		.7561	.6286	.5244	.4123	.3882	.3873	.3799	.3777		.3853		135.00
157.50	1.1813	1.0944	.9425	.8059	.6610	.6249	.6241	.6256	.6243	.6344	.6234	.6320	157.50
180.00	1.3179	1.2408	1.0711	.9207	.7697	.7276	.7261		.7286	.7338	.7221	.7309	180.00
202.50	1.1905	1.1062	.9467	.8056	.6641	.6288	.6271	.6274	.6262	.6302	.6193	.6301	202.50
225.00	.8458	.7715	.6371	.5294	.4165	.3941	.3862	.3853	.3800	.3904	.3833	.3901	225.00
247.50	.4627	.4079	.3069	.2316	.1602	.1355	.1353	.1354	.1306	.1276	.1320	.1392	247.50
270.00	.1518	.1139	.0568	.0093	-.0311	-.0390	-.0379	-.0439	-.0474	-.0459	-.0493	-.0414	270.00
292.50	-.0158	-.0505	-.0786	-.1001	-.1158	-.1176	-.1179	-.1190	-.1202	-.1170	-.1202	-.1060	292.50
315.00	-.0652	-.1143	-.1208	-.1212	-.1253	-.1263	-.1178	-.1207	-.1224	-.1144	-.1184	-.1049	315.00
337.50	-.0766	-.1123	-.1211	-.1236	-.1273	-.1279	-.1246	-.1228	-.1239	-.1162	-.1208	-.1086	337.50

TABLE II.- Continued

(c) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0755	-.0983	-.0994	-.1023	-.1137	-.1030	-.0916	-.1260	-.1302	-.1247	-.1214	-.1090	0.00
22.50	-.1112	-.1264	-.1311	-.1166	-.1251	-.1258	-.0882	-.1298	-.1321	-.1238	-.1203	-.1064	22.50
45.00	-.0930	-.1296	-.1373	-.1147	-.1202	-.1235	-.0909	-.1308	-.1325	-.1212	-.1179	-.1059	45.00
67.50	-.0535	-.0775	-.1030		-.1208	-.1255	-.1096	-.1275	-.1325	-.1254	-.1247	-.1098	67.50
90.00	.1203	.0925	.0387	.0229	-.0287	-.0443	-.0331	-.0487	-.0516	-.0410	-.0394	-.0406	90.00
112.50	.4293	.3966	.3160	.2532	.1846	.1614	.1628	.1561	.1617	.1703	.1699	.1690	112.50
135.00		.8146	.6942	.5919	.4778	.4579	.4530	.4521	.4512		.4560		135.00
157.50	1.2784	1.1985	1.0522	.9153	.7696	.7334	.7364	.7384	.7387	.7436	.7337	.7404	157.50
180.00	1.4333	1.3621	1.1993	1.0475	.8959	.8526	.8574		.8594	.8585	.8498	.8538	180.00
202.50	1.2884	1.2098	1.0573	.9135	.7723	.7359	.7381	.7402	.7383	.7362	.7276	.7336	202.50
225.00	.9065	.8355	.7046	.5962	.4830	.4608	.4571	.4565	.4504	.4621	.4522	.4593	225.00
247.50	.4838	.4315	.3307	.2591	.1905	.1685	.1648	.1645	.1652	.1708	.1694	.1664	247.50
270.00	.1512	.1171	.0604	.0145	-.0221	-.0281	-.0274	-.0327	-.0366	-.0344	-.0368	-.0309	270.00
292.50	-.0209	-.0545	-.0835	-.1013	-.1168	-.1157	-.1174	-.1177	-.1228	-.1172	-.1203	-.1132	292.50
315.00	-.0620	-.1026	-.1189	-.1277	-.1365	-.1335	-.1202	-.1206	-.1270	-.1150	-.1173	-.1082	315.00
337.50	-.0749	-.1062	-.1217	-.1304	-.1365	-.1347	-.1286	-.1263	-.1288	-.1191	-.1198	-.1062	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0680	-.0994	-.0992	-.1048	-.1138	-.1067	-.0921	-.1168	-.1201	-.1054	-.1005	-.1011	0.00
22.50	-.1101	-.1297	-.1285	-.1180	-.1335	-.1330	-.0886	-.1207	-.1156	-.1041	-.0996	-.0981	22.50
45.00	-.0937	-.1328	-.1322	-.1136	-.1330	-.1358	-.0910	-.1195	-.1120	-.1032	-.0988	-.0951	45.00
67.50	-.0583	-.0811	-.1039		-.1214	-.1276	-.1089	-.1245	-.1160	-.1076	-.1015	-.0960	67.50
90.00	.1197	.0928	.0428	.0278	-.0225	-.0368	-.0235	-.0351	-.0373	-.0261	-.0265	-.0292	90.00
112.50	.4519	.4135	.3384	.2780	.2143	.1924	.1955	.1913	.2005	.2065	.2073	.2051	112.50
135.00		.8643	.7513	.6514	.5402	.5240	.5221	.5211	.5241		.5253		135.00
157.50	1.3559	1.2832	1.1485	1.0166	.8753	.8393	.8458	.8450	.8465	.8510	.8433	.8467	157.50
180.00	1.5299	1.4651	1.3151	1.1693	1.0207	.9765	.9836		.9830	.9791	.9742	.9750	180.00
202.50	1.3738	1.3000	1.1570	1.0143	.8792	.8417	.8493	.8480	.8463	.8426	.8348	.8389	202.50
225.00	.9592	.8876	.7643	.6569	.5467	.5256	.5267	.5264	.5222	.5300	.5190	.5262	225.00
247.50	.4991	.4475	.3541	.2838	.2196	.2014	.1957	.1999	.2002	.2036	.2051	.2055	247.50
270.00	.1489	.1177	.0650	.0205	-.0155	-.0212	-.0197	-.0189	-.0256	-.0218	-.0239	-.0179	270.00
292.50	-.0258	-.0588	-.0848	-.1026	-.1164	-.1173	-.1157	-.1119	-.1168	-.1007	-.0977	-.0942	292.50
315.00	-.0700	-.1118	-.1313	-.1345	-.1287	-.1270	-.1154	-.1125	-.1185	-.0994	-.0982	-.0956	315.00
337.50	-.0838	-.1146	-.1335	-.1341	-.1312	-.1321	-.1246	-.1135	-.1189	-.1010	-.0996	-.0974	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0862	-.0952	-.1002	-.1064	-.1051	-.0939	-.0825	-.1070	-.1076	-.0994	-.0977	-.1017	0.00
22.50	-.1071	-.1265	-.1322	-.1199	-.1188	-.1154	-.0772	-.1062	-.1051	-.0986	-.0976	-.0990	22.50
45.00	-.0870	-.1327	-.1385	-.1146	-.1178	-.1171	-.0794	-.1058	-.1049	-.0970	-.0963	-.0978	45.00
67.50	-.0623	-.0847	-.1043		-.1203	-.1219	-.1047	-.1127	-.1116	-.1020	-.0999	-.1014	67.50
90.00	.1186	.0910	.0466	.0326	-.0142	-.0253	-.0137	-.0259	-.0263	-.0119	-.0136	-.0160	90.00
112.50	.4670	.4265	.3589	.3022	.2408	.2232	.2283	.2258	.2358	.2394	.2403	.2381	112.50
135.00		.9125	.8102	.7118	.6033	.5908	.5925	.5905	.5904		.5941		135.00
157.50	1.4267	1.3649	1.2458	1.1195	.9823	.9476	.9580	.9531	.9566	.9572	.9509	.9516	157.50
180.00	1.6122	1.5568	1.4251	1.2894	1.1443	1.1091	1.1151		1.1062	1.1005	1.0949	1.0987	180.00
202.50	1.4425	1.3767	1.2480	1.1147	.9844	.9495	.9592	.9547	.9516	.9467	.9409	.9423	202.50
225.00	1.0003	.9329	.8198	.7166	.6104	.5935	.5971	.5957	.5852	.5978	.5836	.5924	225.00
247.50	.5079	.4590	.3728	.3073	.2457	.2279	.2325	.2335	.2334	.2378	.2379	.2373	247.50
270.00	.1447	.1156	.0675	.0262	-.0075	-.0088	-.0104	-.0103	-.0123	-.0093	-.0098	-.0045	270.00
292.50	-.0306	-.0625	-.0846	-.1024	-.1157	-.1122	-.1026	-.1045	-.1023	-.0956	-.0990	-.0907	292.50
315.00	-.0727	-.1218	-.1255	-.1332	-.1271	-.1184	-.1010	-.1052	-.1053	-.0937	-.0979	-.0917	315.00
337.50	-.0946	-.1218	-.1298	-.1341	-.1288	-.1217	-.1093	-.1060	-.1060	-.0947	-.0987	-.0961	337.50

TABLE II.- Continued

(c) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0757	-.0965	-.1000	-.0998	-.1025	-.0921	-.0800	-.1056	-.1060	-.0979	-.1004	-.1036	0.00
22.50	-.1101	-.1275	-.1308	-.1122	-.1178	-.1133	-.0743	-.1047	-.1029	-.0970	-.1001	-.1027	22.50
45.00	-.0938	-.1322	-.1350	-.1109	-.1172	-.1149	-.0765	-.1042	-.1027	-.0951	-.0979	-.0994	45.00
67.50	-.0672	-.0882	-.1063		-.1203	-.1220	-.1021	-.1122	-.1099	-.0996	-.1025	-.1054	67.50
90.00	.1156	.0879	.0473	.0359	-.0077	-.0175	-.0050	-.0151	-.0125	-.0028	-.0041	-.0062	90.00
112.50	.4774	.4344	.3727	.3223	.2656	.2533	.2588	.2562	.2641	.2694	.2686	.2690	112.50
135.00		.9516	.8581	.7671	.6675	.6605	.6590	.6547	.6543		.6573		135.00
157.50	1.4877	1.4329	1.3264	1.2128	1.0855	1.0602	1.0627	1.0522	1.0597	1.0558	1.0477	1.0529	157.50
180.00	1.6818	1.6374	1.5228	1.3995	1.2617	1.2383	1.2363		1.2214	1.2188	1.2115	1.2180	180.00
202.50	1.5025	1.4464	1.3301	1.2092	1.0873	1.0614	1.0657	1.0541	1.0532	1.0499	1.0433	1.0451	202.50
225.00	1.0337	.9717	.8698	.7708	.6732	.6618	.6633	.6577	.6532	.6638	.6505	.6569	225.00
247.50	.5147	.4685	.3891	.3283	.2714	.2573	.2592	.2622	.2622	.2669	.2643	.2668	247.50
270.00	.1403	.1132	.0685	.0302	-.0001	-.0008	-.0012	-.0001	.0005	.0013	.0023	.0045	270.00
292.50	-.0351	-.0656	-.0869	-.1033	-.1147	-.1090	-.1075	-.1021	-.0978	-.0934	-.0990	-.0967	292.50
315.00	-.0740	-.1256	-.1310	-.1257	-.1133	-.1097	-.1032	-.1028	-.1006	-.0916	-.0979	-.0947	315.00
337.50	-.0937	-.1270	-.1335	-.1269	-.1165	-.1125	-.1081	-.1036	-.1028	-.0940	-.1005	-.0999	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0797	-.0967	-.0959	-.0955	-.0955	-.0840	-.0745	-.1008	-.1049	-.0993	-.1025	-.1019	0.00
22.50	-.1180	-.1280	-.1253	-.1068	-.1072	-.1027	-.0687	-.0994	-.1024	-.0982	-.1022	-.1015	22.50
45.00	-.0982	-.1346	-.1279	-.1043	-.1062	-.1047	-.0708	-.0991	-.1012	-.0965	-.1014	-.0997	45.00
67.50	-.0718	-.0917	-.1084		-.1163	-.1135	-.0940	-.1061	-.1075	-.1033	-.1112	-.1067	67.50
90.00	.1104	.0841	.0471	.0392	-.0005	-.0077	.0034	-.0054	-.0045	.0063	.0047	.0029	90.00
112.50	.4787	.4414	.3853	.3406	.2897	.2821	.2893	.2848	.2906	.2973	.2966	.2974	112.50
135.00		.9824	.8997	.8146	.7247	.7259	.7248	.7164	.7157		.7200		135.00
157.50	1.5315	1.4878	1.3974	1.2934	1.1800	1.1669	1.1682	1.1537	1.1562	1.1532	1.1485	1.1531	157.50
180.00	1.7391	1.7025	1.6099	1.4971	1.3739	1.3617	1.3567		1.3354	1.3338	1.3281	1.3332	180.00
202.50	1.5492	1.5032	1.4026	1.2946	1.1832	1.1686	1.1683	1.1516	1.1491	1.1446	1.1392	1.1421	202.50
225.00	1.0566	1.0031	.9123	.8224	.7339	.7254	.7262	.7190	.7139	.7229	.7132	.7153	225.00
247.50	.5177	.4746	.4015	.3472	.2955	.2848	.2872	.2916	.2890	.2952	.2902	.2902	247.50
270.00	.1350	.1098	.0694	.0337	.0071	.0091	.0078	.0104	.0095	.0090	.0059	.0111	270.00
292.50	-.0397	-.0695	-.0894	-.1041	-.1127	-.1043	-.0993	-.0975	-.0976	-.0938	-.1049	-.0944	292.50
315.00	-.0745	-.1265	-.1235	-.1140	-.1075	-.1035	-.0962	-.0985	-.1016	-.0925	-.1006	-.0919	315.00
337.50	-.0914	-.1289	-.1251	-.1158	-.1087	-.1044	-.1005	-.0989	-.1033	-.0950	-.1018	-.0980	337.50

TABLE II.- Continued

(d) $M_{\infty} = 4.63$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2724	.2122	.1317	.0780	.0314	.0371	.0682	.0185	.0096	.0079	.0036	.0061	0.00
22.50	.2527	.1976	.1106	.0628	.0134	.0084	.0666	.0038	.0017	.0050	.0011	.0043	22.50
45.00	.2521	.1825	.0987	.0564	.0088	.0014	.0595	-.0014	-.0046	.0011	-.0030	.0004	45.00
67.50	.2137	.1614	.0824	.0466	.0019	-.0040	.0215	-.0074	-.0109	-.0042	-.0084	-.0047	67.50
90.00	.2035	.1374	.0646	.0651	-.0028	-.0075	.0285	-.0102	-.0134	-.0068	-.0095	-.0058	90.00
112.50	.1734	.1161	.0634	.0286	-.0071	-.0090	.0045	-.0116	-.0147	-.0053	-.0091	-.0053	112.50
135.00		-.1002	.0428	.0213	-.0094	-.0105	.0119	-.0109	-.0145		.0062		135.00
157.50	.1422	.0896	.0357	.0157	-.0102	-.0099	.0066	-.0111	-.0142	-.0032	-.0094	.0127	157.50
180.00	.1377	.0888	.0370	.0270	-.0023	-.0022	.0194		-.0145	-.0021	-.0052	.0017	180.00
202.50	.1469	.0891	.0347	.0153	.0097	-.0110	-.0007	-.0026	-.0146	-.0013	-.0097	.0037	202.50
225.00	.1596	.0979	.0399	.0168	-.0092	-.0114	-.0007	-.0098	-.0148	-.0001	-.0083	.0022	225.00
247.50	.1686	.1136	.0489	.0219	-.0082	-.0105	-.0082	-.0118	-.0153	-.0003	-.0095	-.0030	247.50
270.00	.1951	.1336	.0637	.0289	-.0039	-.0085	.0057	-.0107	-.0157	.0013	-.0080	-.0012	270.00
292.50	.2286	.1587	.0796	.0382	.0007	-.0035	-.0055	-.0075	-.0122	.0038	-.0066	-.0008	292.50
315.00	.2615	.1803	.0957	.0484	.0073	.0015	.0068	-.0022	-.0076	.0079	-.0015	.0086	315.00
337.50	.2646	.1963	.1086	.0554	.0127	.0064	.0028	.0020	-.0029	.0112	.0023	.0109	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1976	.1462	.0895	.0476	.0145	.0195	.0550	.0020	-.0016	-.0033	-.0055	-.0033	0.00
22.50	.1784	.1317	.0663	.0320	-.0046	-.0085	.0575	-.0077	-.0056	-.0042	-.0059	-.0030	22.50
45.00	.1982	.1325	.0651	.0334	-.0044	-.0112	.0530	-.0086	-.0074	-.0037	-.0057	-.0028	45.00
67.50	.1853	.1348	.0662		-.0040	-.0118	.0185	-.0085	-.0080	-.0036	-.0060	-.0033	67.50
90.00	.2033	.1375	.0680	.0646	-.0026	-.0112	.0294	-.0075	-.0069	-.0031	-.0045	-.0020	90.00
112.50	.1994	.1395	.0699	.0366	-.0020	-.0105	.0082	-.0073	-.0074	-.0009	-.0039	-.0017	112.50
135.00		.1417	.0713	.0364	-.0015	-.0100	.0153	-.0064	-.0072		.0108		135.00
157.50	.1997	.1415	.0717	.0339	-.0012	-.0092	.0100	-.0070		.0006	-.0043	.0143	157.50
180.00	.1981	.1437	.0729	.0414	.0038	-.0030	.0222		-.0078	.0008	-.0013	.0040	180.00
202.50	.2043	.1421	.0711	.0325	.0170	-.0080	.0032	-.0002	-.0075	.0025	-.0042	.0075	202.50
225.00	.2057	.1411	.0705	.0316	-.0012	-.0089	.0038	-.0055	-.0074	.0043	-.0027	.0068	225.00
247.50	.1978	.1398	.0693	.0307	-.0029	-.0095	-.0037	-.0070	-.0076	.0041	-.0040	.0017	247.50
270.00	.1984	.1368	.0686	.0291	-.0033	-.0101	.0079	-.0072	-.0086	.0040	-.0031	.0035	270.00
292.50	.2050	.1356	.0665	.0278	-.0044	-.0105	-.0074	-.0081	-.0087	.0028	-.0048	.0018	292.50
315.00	.2136	.1328	.0649	.0266	-.0053	-.0110	-.0009	-.0083	-.0094	.0020	-.0049	.0059	315.00
337.50	.1961	.1313	.0655	.0248	-.0057	-.0108	-.0094	-.0085	-.0091	.0013	-.0050	.0038	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1435	.0991	.0631	.0323	.0062	.0101	.0486	-.0069	-.0082	-.0105	-.0114	-.0136	0.00
22.50	.1199	.0807	.0350	.0137	-.0150	-.0210	.0530	-.0142	-.0117	-.0130	-.0140	-.0148	22.50
45.00	.1522	.0896	.0375	.0169	-.0149	-.0241	.0480	-.0155	-.0140	-.0133	-.0157	-.0175	45.00
67.50	.1549	.1072	.0478		-.0123	-.0243	.0120	-.0163	-.0153	-.0143	-.0173	-.0195	67.50
90.00	.1988	.1328	.0650	.0606	-.0057	-.0206	.0255	-.0134	-.0129	-.0124	-.0148	-.0176	90.00
112.50	.2247	.1623	.0863	.0458	.0023	-.0136	.0091	-.0083	-.0085	-.0049	-.0089	-.0129	112.50
135.00		.1916	.1075	.0580	.0106	-.0058	.0219	-.0002	-.0015		.0131		135.00
157.50	.2744	.2105	.1229	.0659	.0168	.0005	.0220	.0049	.0047	.0094	.0044	.0174	157.50
180.00	.2805	.2204	.1292	.0735	.0218	.0069	.0353		.0066	.0128	.0102	.0096	180.00
202.50	.2802	.2129	.1239	.0642	.0337	.0026	.0166	.0104	.0051	.0116	.0050	.0109	202.50
225.00	.2612	.1935	.1095	.0541	.0108	-.0027	.0121	.0018	-.0003	.0077	.0005	.0039	225.00
247.50	.2270	.1672	.0898	.0406	.0016	-.0096	-.0017	-.0064	-.0071	.0011	-.0080	-.0080	247.50
270.00	.1974	.1367	.0698	.0264	-.0062	-.0160	.0039	-.0127	-.0138	-.0033	-.0123	-.0114	270.00
292.50	.1799	.1117	.0515	.0157	-.0123	-.0205	-.0148	-.0158	-.0155	-.0052	-.0155	-.0144	292.50
315.00	.1730	.0921	.0392	.0085	-.0155	-.0220	-.0081	-.0155	-.0156	-.0060	-.0154	-.0103	315.00
337.50	.1434	.0811	.0343	.0044	-.0162	-.0217	-.0159	-.0150	-.0150	-.0062	-.0145	-.0113	337.50

TABLE II.- Continued

(d) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1071	.0707	.0410	.0244	.0021	.0073	.0439	-.0116	-.0164	-.0117	-.0141	-.0193	0.00
22.50	.0776	.0442	.0073	.0026	-.0218	-.0252	.0490	-.0226	-.0272	-.0228	-.0248	-.0274	22.50
45.00	.1134	.0527	.0078	.0033	-.0236	-.0313	.0434	-.0236	-.0289	-.0220	-.0237	-.0269	45.00
67.50	.1240	.0786	.0223		-.0203	-.0324	.0046	-.0258	-.0306	-.0224	-.0244	-.0278	67.50
90.00	.1903	.1239	.0531	.0557	-.0085	-.0237	.0219	-.0202	-.0278	-.0218	-.0240	-.0275	90.00
112.50	.2481	.1835	.0981	.0574	.0096	-.0088	.0123	-.0066	-.0150	-.0059	-.0096	-.0150	112.50
135.00		.2437	.1447	.0884	.0312	.0113	.0347	.0128	.0035		.0228		135.00
157.50	.3608	.2903	.1818	.1123	.0496	.0287	.0445	.0286	.0202	.0294	.0255	.0353	157.50
180.00	.3780	.3112	.1965	.1239	.0584	.0388	.0602	.0270	.0374	.0352	.0330		180.00
202.50	.3677	.2943	.1836	.1107	.0633	.0319	.0409	.0328	.0220	.0323	.0264	.0301	202.50
225.00	.3213	.2499	.1489	.0852	.0324	.0157	.0274	.0160	.0068	.0179	.0114	.0151	225.00
247.50	.2536	.1920	.1042	.0533	.0102	-.0026	.0030	-.0032	-.0117	-.0004	-.0083	-.0079	247.50
270.00	.1919	.1323	.0620	.0242	-.0079	-.0181	.0001	-.0184	-.0274	-.0133	-.0218	-.0201	270.00
292.50	.1533	.0865	.0291	.0038	-.0199	-.0276	-.0237	-.0251	-.0310	-.0141	-.0237	-.0228	292.50
315.00	.1386	.0568	.0109	-.0067	-.0236	-.0295	-.0154	-.0238	-.0307	-.0139	-.0233	-.0184	315.00
337.50	.1044	.0444	.0060	-.0091	-.0227	-.0279	-.0231	-.0235	-.0311	-.0155	-.0249	-.0215	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0843	.0534	.0346	.0183	-.0003	.0045	.0431	-.0171	-.0223	-.0255	-.0257	-.0280	0.00
22.50	.0460	.0200	-.0030	-.0053	-.0268	-.0312	.0449	-.0300	-.0298	-.0298	-.0305	-.0322	22.50
45.00	.0816	.0235	-.0069	-.0074	-.0293	-.0356	.0400	-.0296	-.0308	-.0288	-.0300	-.0321	45.00
67.50	.0937	.0521	.0105		-.0273	-.0378	-.0001	-.0316	-.0321	-.0292	-.0307	-.0327	67.50
90.00	.1797	.1138	.0545	.0518	-.0103	-.0265	.0199	-.0235	-.0270	-.0252	-.0273	-.0299	90.00
112.50	.2705	.1968	.1177	.0707	.0197	-.0016	.0183	-.0014	-.0064	-.0011	-.0045	-.0097	112.50
135.00		.3034	.1962	.1256	.0592	.0354	.0542	.0334	.0265		.0409		135.00
157.50	.4590	.3821	.2605	.1712	.0944	.0687	.0793	.0647	.0585	.0626	.0604	.0682	157.50
180.00	.4895	.4162	.2856	.1898	.1095	.0849	.0996	.0721	.0721	.0775	.0755	.0747	180.00
202.50	.4669	.3871	.2629	.1695	.1052	.0732	.0776	.0686	.0614	.0664	.0617	.0655	202.50
225.00	.3871	.3117	.2026	.1235	.0614	.0429	.0498	.0387	.0320	.0379	.0320	.0354	225.00
247.50	.2807	.2180	.1281	.0681	.0215	.0078	.0110	.0041	-.0008	.0054	-.0025	-.0014	247.50
270.00	.1854	.1277	.0637	.0220	-.0090	-.0179	-.0015	-.0206	-.0255	-.0155	-.0244	-.0217	270.00
292.50	.1283	.0631	.0180	-.0070	-.0261	-.0322	-.0296	-.0305	-.0318	-.0203	-.0297	-.0279	292.50
315.00	.1108	.0282	-.0041	-.0192	-.0295	-.0337	-.0212	-.0295	-.0324	-.0202	-.0295	-.0234	315.00
337.50	.0776	.0190	-.0055	-.0185	-.0281	-.0324	-.0304	-.0310	-.0330	-.0211	-.0300	-.0268	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0708	.0416	.0259	.0174	-.0016	.0057	.0370	-.0268	-.0334	-.0291	-.0307	-.0345	0.00
22.50	.0262	.0039	-.0155	-.0093	-.0317	-.0338	.0432	-.0334	-.0356	-.0325	-.0343	-.0366	22.50
45.00	.0587	.0004	-.0221	-.0113	-.0329	-.0398	.0384	-.0335	-.0371	-.0317	-.0335	-.0358	45.00
67.50	.0707	.0323	-.0032		-.0310	-.0421	-.0020	-.0354	-.0391	-.0330	-.0348	-.0370	67.50
90.00	.1732	.1086	.0458	.0521	-.0102	-.0275	.0203	-.0239	-.0298	-.0244	-.0270	-.0319	90.00
112.50	.2956	.2253	.1370	.0885	.0327	.0087	.0283	.0083	.0010	.0092	.0058	-.0014	112.50
135.00		.3698	.2508	.1704	.0934	.0662	.0815	.0628	.0535		.0685		135.00
157.50	.5671	.4848	.3482	.2433	.1497	.1187	.1265	.1147	.1060	.1113	.1101	.1137	157.50
180.00	.6107	.5349	.3861	.2718	.1736	.1425	.1539		.1286	.1349	.1327	.1314	180.00
202.50	.5783	.4942	.3514	.2417	.1586	.1240	.1270	.1183	.1100	.1150	.1114	.1139	202.50
225.00	.4619	.3830	.2595	.1697	.0971	.0746	.0804	.0702	.0614	.0676	.0623	.0648	225.00
247.50	.3122	.2481	.1520	.0869	.0360	.0195	.0233	.0163	.0094	.0171	.0088	.0095	247.50
270.00	.1833	.1275	.0621	.0225	-.0083	-.0184	-.0003	-.0194	-.0265	-.0123	-.0235	-.0216	270.00
292.50	.1103	.0465	.0080	-.0125	-.0296	-.0366	-.0320	-.0337	-.0382	-.0214	-.0337	-.0317	292.50
315.00	.0912	.0051	-.0200	-.0255	-.0336	-.0380	-.0238	-.0331	-.0388	-.0220	-.0330	-.0276	315.00
337.50	.0609	.0017	-.0189	-.0253	-.0333	-.0374	-.0336	-.0336	-.0387	-.0232	-.0338	-.0306	337.50

TABLE II.- Continued

(d) Continued

ALPHA = 20.0 DEG													
THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0617	.0340	.0228	.0125	-.0109	.0046	.0338	-.0314	-.0353	-.0329	-.0399	-.0379	0.00
22.50	.0123	-.0080	-.0224	-.0136	-.0397	-.0325	.0427	-.0355	-.0366	-.0342	-.0418	-.0387	22.50
45.00	.0445	-.0143	-.0296	-.0153	-.0405	-.0368	.0379	-.0353	-.0379	-.0330	-.0406	-.0375	45.00
67.50	.0549	.0200	-.0117	-.0382	-.0391	-.0024	-.0371	-.0402	-.0348	-.0423	-.0385	67.50	
90.00	.1698	.1089	.0461	.0540	-.0131	-.0235	.0219	-.0220	-.0268	-.0220	-.0295	-.0291	90.00
112.50	.3218	.2555	.1623	.1090	.0449	.0267	.0415	.0230	.0167	.0246	.0174	.0149	112.50
135.00		.4414	.3141	.2219	.1320	.1084	.1168	.1018	.0938		.1034		135.00
157.50	.6757	.5937	.4489	.3271	.2147	.1853	.1872	.1793	.1732	.1783	.1743	.1801	157.50
180.00	.7365	.6568	.5033	.3691	.2503	.2201	.2241		.2076	.2136	.2082	.2110	180.00
202.50	.6877	.6042	.4539	.3257	.2218	.1918	.1890	.1826	.1777	.1823	.1758	.1817	202.50
225.00	.5382	.4572	.3259	.2234	.1359	.1180	.1185	.1108	.1039	.1088	.1000	.1068	225.00
247.50	.3434	.2798	.1810	.1098	.0493	.0386	.0396	.0336	.0283	.0326	.0205	.0272	247.50
270.00	.1821	.1286	.0659	.0260	-.0107	-.0139	.0027	-.0159	-.0214	-.0107	-.0256	-.0184	270.00
292.50	.0979	.0356	.0002	-.0165	-.0369	-.0366	-.0330	-.0350	-.0385	-.0235	-.0414	-.0349	292.50
315.00	.0797	-.0095	-.0271	-.0292	-.0413	-.0396	-.0255	-.0351	-.0393	-.0236	-.0406	-.0307	315.00
337.50	.0503	-.0105	-.0259	-.0299	-.0411	-.0396	-.0357	-.0354	-.0397	-.0249	-.0417	-.0334	337.50

ALPHA = 24.0 DEG													
THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0566	.0297	.0177	.0107	-.0070	-.0005	.0337	-.0328	-.0398	-.0349	-.0366	-.0390	0.00
22.50	.0023	-.0160	-.0296	-.0151	-.0363	-.0393	.0426	-.0362	-.0398	-.0355	-.0375	-.0391	22.50
45.00	.0377	-.0225	-.0368	-.0159	-.0371	-.0428	.0379	-.0362	-.0409	-.0340	-.0362	-.0380	45.00
67.50	.0450	.0120	-.0191	-.0341	-.0432	-.0022	-.0375	-.0433	-.0362	-.0383	-.0395	-.0395	67.50
90.00	.1681	.1112	.0487	.0594	-.0043	-.0211	.0247	-.0183	-.0250	-.0169	-.0190	-.0224	90.00
112.50	.3477	.2855	.1894	.1331	.0702	.0448	.0586	.0416	.0344	.0456	.0453	.0390	112.50
135.00		.5157	.3828	.2807	.1849	.1559	.1607	.1493	.1423		.1598		135.00
157.50	.7853	.7025	.5593	.4227	.2977	.2615	.2611	.2577	.2545	.2634	.2637	.2650	157.50
180.00	.8632	.7831	.6219	.4795	.3469	.3074	.3104		.3040	.3128	.3107	.3112	180.00
202.50	.7977	.7134	.5625	.4207	.3034	.2663	.2639	.2604	.2596	.2673	.2649	.2668	202.50
225.00	.6077	.5308	.3938	.2835	.1896	.1648	.1645	.1595	.1538	.1616	.1579	.1613	225.00
247.50	.3726	.3105	.2091	.1361	.0760	.0604	.0591	.0550	.0487	.0545	.0493	.0528	247.50
270.00	.1828	.1320	.0705	.0311	-.0002	-.0073	.0071	-.0100	-.0176	-.0048	-.0147	-.0100	270.00
292.50	.0903	.0285	-.0054	-.0178	-.0317	-.0353	-.0328	-.0346	-.0410	-.0248	-.0368	-.0327	292.50
315.00	.0746	-.0176	-.0340	-.0308	-.0369	-.0398	-.0262	-.0356	-.0423	-.0251	-.0360	-.0280	315.00
337.50	.0438	-.0192	-.0326	-.0322	-.0370	-.0404	-.0367	-.0360	-.0428	-.0260	-.0370	-.0309	337.50

ALPHA = 28.0 DEG													
THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0535	.0258	.0219	.0118	-.0070	.0017	.0334	-.0358	-.0360	-.0360	-.0372	-.0374	0.00
22.50	-.0042	-.0225	-.0272	-.0154	-.0372	-.0366	.0427	-.0369	-.0353	-.0367	-.0382	-.0383	22.50
45.00	.0341	-.0281	-.0341	-.0172	-.0382	-.0451	.0380	-.0364	-.0354	-.0352	-.0373	-.0384	45.00
67.50	.0382	.0081	-.0157	-.0342	-.0441	-.0020	-.0379	-.0371	-.0362	-.0394	-.0410	-.0410	67.50
90.00	.1677	.1106	.0577	.0661	.0012	-.0176	.0283	-.0139	-.0139	-.0104	-.0130	-.0180	90.00
112.50	.3724	.3116	.2214	.1596	.0937	.0664	.0795	.0640	.0641	.0718	.0724	.0653	112.50
135.00		.5838	.4571	.3467	.2420	.2111	.2136	.2050	.2058		.2194		135.00
157.50	.8940	.8098	.6633	.5299	.3909	.3504	.3497	.3507	.3558	.3620	.3618	.3616	157.50
180.00	.9891	.9074	.7421	.6000	.4559	.4118	.4129		.4215	.4269	.4237	.4233	180.00
202.50	.9075	.8204	.6647	.5272	.3960	.3562	.3516	.3538	.3603	.3651	.3623	.3620	202.50
225.00	.6769	.5984	.4672	.3494	.2473	.2213	.2182	.2166	.2178	.2223	.2182	.2208	225.00
247.50	.4017	.3394	.2428	.1644	.1007	.0852	.0823	.0790	.0805	.0787	.0765	.0790	247.50
270.00	.1843	.1344	.0815	.0373	.0055	-.0005	.0128	-.0041	-.0044	.0007	-.0071	-.0052	270.00
292.50	.0848	.0229	-.0013	-.0186	-.0321	-.0353	-.0324	-.0346	-.0345	-.0235	-.0373	-.0332	292.50
315.00	.0718	-.0226	-.0306	-.0317	-.0378	-.0401	-.0268	-.0381	-.0385	-.0243	-.0366	-.0286	315.00
337.50	.0404	-.0241	-.0290	-.0332	-.0378	-.0404	-.0378	-.0385	-.0386	-.0257	-.0376	-.0320	337.50

TABLE II.- Continued

(d) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0514	.0241	.0162	.0094	-.0080	.0021	.0324	-.0372	-.0396	-.0357	-.0365	-.0341	0.00
22.50	-.0076	-.0256	-.0329	-.0167	-.0380	-.0394	.0427	-.0388	-.0389	-.0358	-.0372	-.0342	22.50
45.00	.0322	-.0311	-.0392	-.0183	-.0384	-.0431	.0384	-.0385	-.0404	-.0346	-.0363	-.0342	45.00
67.50	.0343	.0018	-.0204		-.0343	-.0480	-.0017	-.0382	-.0409	-.0361	-.0390	-.0370	67.50
90.00	.1694	.1119	.0594	.0719	.0065	-.0167	.0323	-.0089	-.0113	-.0040	-.0061	-.0091	90.00
112.50	.3986	.3392	.2467	.1859	.1188	.0865	.1026	.0902	.0890	.1025	.1027	.0970	112.50
135.00		.6503	.5271	.4124	.3036	.2672	.2732	.2698	.2706		.2848		135.00
157.50	1.0059	.9199	.7659	.6336	.4927	.4443	.4490	.4568	.4615	.4667	.4656	.4642	157.50
180.00	1.1195	1.0370	.8626	.7199	.5734	.5232	.5296		.5455	.5490	.5445	.5414	180.00
202.50	1.0195	.9305	.7667	.6322	.4975	.4534	.4519	.4591	.4651	.4684	.4649	.4641	202.50
225.00	.7448	.6654	.5370	.4173	.3089	.2790	.2800	.2821	.2821	.2886	.2831	.2857	225.00
247.50	.4311	.3692	.2696	.1918	.1262	.1094	.1088	.1079	.1070	.1087	.1052	.1094	247.50
270.00	.1879	.1393	.0854	.0439	.0112	.0065	.0191	.0029	.0006	.0080	-.0012	.0063	270.00
292.50	.0820	.0197	-.0054	-.0189	-.0321	-.0339	-.0314	-.0338	-.0368	-.0241	-.0366	-.0291	292.50
315.00	.0704	-.0260	-.0353	-.0328	-.0397	-.0401	-.0279	-.0375	-.0410	-.0244	-.0357	-.0252	315.00
337.50	.0383	-.0274	-.0336	-.0345	-.0397	-.0395	-.0390	-.0384	-.0416	-.0249	-.0366	-.0279	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0494	.0222	.0119	.0104	-.0086	-.0027	.0327	-.0369	-.0423	-.0312	-.0326	-.0357	0.00
22.50	-.0092	-.0278	-.0390	-.0150	-.0379	-.0440	.0429	-.0382	-.0411	-.0313	-.0334	-.0351	22.50
45.00	.0314	-.0330	-.0447	-.0172	-.0377	-.0468	.0381	-.0382	-.0425	-.0304	-.0326	-.0338	45.00
67.50	.0313	-.0006	-.0256		-.0337	-.0455	-.0012	-.0373	-.0444	-.0338	-.0365	-.0367	67.50
90.00	.1709	.1161	.0626	.0794	.0133	-.0083	.0372	-.0015	-.0080	.0051	.0027	-.0020	90.00
112.50	.4231	.3679	.2760	.2168	.1469	.1177	.1299	.1201	.1168	.1336	.1337	.1282	112.50
135.00		.7204	.5966	.4851	.3708	.3367	.3397	.3413	.3412		.3565		135.00
157.50	1.1213	1.0361	.8735	.7425	.5982	.5567	.5614	.5730	.5754	.5785	.5745	.5723	157.50
180.00	1.2552	1.1730	.9913	.8476	.6907	.6469	.6539		.6644	.6701	.6594	.6602	180.00
202.50	1.1375	1.0483	.8769	.7420	.6037	.5649	.5643	.5735	.5777	.5788	.5733	.5723	202.50
225.00	.8183	.7385	.6075	.4901	.3776	.3489	.3488	.3533	.3510	.3575	.3524	.3562	225.00
247.50	.4632	.4023	.3009	.2230	.1562	.1390	.1388	.1397	.1347	.1401	.1369	.1435	247.50
270.00	.1929	.1464	.0911	.0523	.0197	.0129	.0270	.0139	.0063	.0160	.0082	.0172	270.00
292.50	.0804	.0188	-.0094	-.0180	-.0309	-.0335	-.0298	-.0317	-.0394	-.0200	-.0328	-.0255	292.50
315.00	.0701	-.0274	-.0401	-.0335	-.0405	-.0421	-.0263	-.0362	-.0436	-.0197	-.0313	-.0228	315.00
337.50	.0369	-.0293	-.0386	-.0359	-.0403	-.0421	-.0378	-.0373	-.0442	-.0207	-.0321	-.0256	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0497	.0219	.0117	.0090	-.0073	-.0065	.0347	-.0317	-.0370	-.0275	-.0297	-.0275	0.00
22.50	-.0109	-.0271	-.0398	-.0169	-.0381	-.0350	.0448	-.0325	-.0352	-.0273	-.0300	-.0267	22.50
45.00	.0312	-.0337	-.0457	-.0189	-.0383	-.0386	.0403	-.0323	-.0365	-.0265	-.0295	-.0263	45.00
67.50	.0301	-.0010	-.0260		-.0329	-.0392	.0001	-.0349	-.0410	-.0306	-.0341	-.0303	67.50
90.00	.1755	.1227	.0687	.0855	.0210	.0051	.0439	.0074	.0010	.0149	.0141	.0131	90.00
112.50	.4494	.3981	.3053	.2449	.1759	.1511	.1602	.1516	.1487	.1649	.1651	.1657	112.50
135.00		.7894	.6599	.5598	.4400	.4098	.4099	.4123	.4132		.4255		135.00
157.50	1.2385	1.1470	.9812	.8518	.7008	.6635	.6702	.6777	.6750	.6802	.6757	.6777	157.50
180.00	1.3909	1.3006	1.1181	.9751	.8122	.7707	.7826		.7808	.7887	.7780	.7817	180.00
202.50	1.2536	1.1560	.9836	.8508	.7061	.6688	.6757	.6811	.6784	.6807	.6740	.6758	202.50
225.00	.8914	.8055	.6702	.5620	.4488	.4218	.4228	.4271	.4226	.4270	.4232	.4280	225.00
247.50	.4966	.4335	.3302	.2532	.1867	.1743	.1721	.1727	.1662	.1712	.1681	.1795	247.50
270.00	.1994	.1541	.0985	.0600	.0285	.0293	.0369	.0242	.0169	.0248	.0199	.0335	270.00
292.50	.0800	.0187	-.0088	-.0172	-.0297	-.0260	-.0279	-.0290	-.0353	-.0184	-.0304	-.0174	292.50
315.00	.0702	-.0286	-.0410	-.0337	-.0393	-.0352	-.0235	-.0310	-.0378	-.0177	-.0234	-.0133	315.00
337.50	.0376	-.0319	-.0397	-.0360	-.0393	-.0356	-.0348	-.0318	-.0381	-.0185	-.0290	-.0164	337.50

TABLE II.- Continued

(d) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0494	.0241	.0172	.0111	-.0050	.0052	.0376	-.0291	-.0306	-.0264	-.0281	-.0297	0.00
22.50	-.0110	-.0288	-.0344	-.0150	-.0352	-.0364	.0478	-.0294	-.0285	-.0260	-.0285	-.0304	22.50
45.00	.0312	-.0349	-.0408	-.0172	-.0354	-.0442	.0434	-.0292	-.0299	-.0256	-.0279	-.0297	45.00
67.50	.0286	-.0026	-.0215		-.0317	-.0444	.0015	-.0332	-.0350	-.0303	-.0332	-.0349	67.50
90.00	.1777	.1278	.0790	.0945	.0289	.0069	.0512	.0160	.0146	.0236	.0236	.0185	90.00
112.50	.4704	.4256	.3386	.2738	.2059	.1783	.1934	.1867	.1875	.1999	.1994	.1933	112.50
135.00		.8571	.7276	.6213	.5126	.4840	.4870	.4884	.4904		.4980		135.00
157.50	1.3553	1.2617	1.0972	.9585	.8097	.7751	.7866	.7871	.7769	.7858	.7794	.7841	157.50
180.00	1.5269	1.4396	1.2544	1.1009	.9426	.9040	.9197		.9017	.9103	.8986	.9044	180.00
202.50	1.3698	1.2755	1.0998	.9586	.8170	.7831	.7949	.7925	.7809	.7853	.7766	.7805	202.50
225.00	.9640	.8796	.7382	.6289	.5229	.4974	.5026	.5026	.4969	.4983	.4943	.4969	225.00
247.50	.5273	.4659	.3651	.2840	.2178	.2044	.2065	.2084	.2011	.2057	.2014	.2078	247.50
270.00	.2047	.1618	.1111	.0684	.0375	.0355	.0454	.0342	.0315	.0353	.0295	.0391	270.00
292.50	.0798	.0179	-.0034	-.0164	-.0283	-.0279	-.0261	-.0270	-.0287	-.0167	-.0291	-.0221	292.50
315.00	.0705	-.0299	-.0370	-.0334	-.0363	-.0356	-.0195	-.0281	-.0313	-.0159	-.0268	-.0189	315.00
337.50	.0372	-.0323	-.0359	-.0356	-.0367	-.0362	-.0305	-.0287	-.0314	-.0163	-.0274	-.0233	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0498	.0244	.0153	.0126	-.0023	.0113	.0391	-.0277	-.0324	-.0250	-.0266	-.0270	0.00
22.50	-.0116	-.0295	-.0373	-.0127	-.0322	-.0305	.0494	-.0279	-.0303	-.0247	-.0269	-.0271	22.50
45.00	.0311	-.0362	-.0442	-.0140	-.0320	-.0327	.0449	-.0277	-.0316	-.0240	-.0263	-.0269	45.00
67.50	.0265	-.0038	-.0244		-.0305	-.0355	.0028	-.0323	-.0372	-.0296	-.0322	-.0323	67.50
90.00	.1765	.1311	.0823	.1012	.0370	.0220	.0597	.0250	.0212	.0334	.0328	.0289	90.00
112.50	.4819	.4486	.3645	.3018	.2365	.2155	.2270	.2195	.2188	.2330	.2322	.2250	112.50
135.00		.9181	.7888	.6859	.5807	.5611	.5676	.5664		.5634	.5687		135.00
157.50	1.4270	1.3694	1.2083	1.0701	.9163	.8900	.9058	.9017	.8826	.8926	.8831	.8916	157.50
180.00	1.6102	1.5650	1.3865	1.2327	1.0677	1.0370	1.0606		1.0260	1.0319	1.0184	1.0278	180.00
202.50	1.4412	1.3855	1.2139	1.0718	.9243	.8958	.9154	.9067	.8839	.8881	.8765	.8835	202.50
225.00	1.0043	.9439	.8041	.6971	.5918	.5704	.5798	.5779	.5676	.5684	.5640	.5660	225.00
247.50	.5400	.4918	.3951	.3143	.2493	.2380	.2386	.2402	.2328	.2382	.2341	.2395	247.50
270.00	.2047	.1676	.1168	.0762	.0459	.0487	.0553	.0450	.0398	.0451	.0400	.0484	270.00
292.50	.0786	.0175	-.0053	-.0157	-.0271	-.0227	-.0237	-.0250	-.0299	-.0171	-.0275	-.0199	292.50
315.00	.0706	-.0304	-.0399	-.0305	-.0331	-.0314	-.0170	-.0268	-.0329	-.0150	-.0249	-.0162	315.00
337.50	.0375	-.0325	-.0388	-.0331	-.0336	-.0318	-.0274	-.0272	-.0328	-.0158	-.0257	-.0194	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0496	.0254	.0227	.0143	.0013	.0106	.0397	-.0263	-.0247	-.0211	-.0232	-.0274	0.00
22.50	-.0120	-.0290	-.0300	-.0120	-.0289	-.0294	.0501	-.0262	-.0224	-.0209	-.0237	-.0273	22.50
45.00	.0308	-.0359	-.0372	-.0135	-.0288	-.0359	.0455	-.0262	-.0236	-.0203	-.0233	-.0266	45.00
67.50	.0248	-.0046	-.0185		-.0297	-.0399	.0036	-.0308	-.0296	-.0267	-.0301	-.0328	67.50
90.00	.1774	.1333	.0930	.1080	.0450	.0253	.0664	.0357	.0384	.0450	.0442	.0371	90.00
112.50	.4999	.4643	.3940	.3328	.2683	.2456	.2608	.2538	.2589	.2648	.2658	.2619	112.50
135.00		.9625	.8489	.7507	.6467	.6342	.6396	.6364		.6314	.6361		135.00
157.50	1.4908	1.4445	1.3116	1.1755	1.0248	1.0049	1.0183	1.0101	.9931	1.0000	.9885	.9976	157.50
180.00	1.6909	1.6560	1.5099	1.3588	1.1991	1.1744	1.1871		1.1529	1.1548	1.1408	1.1510	180.00
202.50	1.5106	1.4604	1.3207	1.1806	1.0366	1.0146	1.0246	1.0131	.9921	.9915	.9785	.9881	202.50
225.00	1.0489	.9890	.8655	.7633	.6606	.6432	.6469	.6438	.6311	.6328	.6264	.6339	225.00
247.50	.5535	.5080	.4251	.3451	.2814	.2687	.2702	.2727	.2709	.2680	.2654	.2741	247.50
270.00	.2054	.1702	.1284	.0852	.0548	.0567	.0636	.0574	.0592	.0558	.0504	.0632	270.00
292.50	.0774	.0171	.0013	-.0139	-.0258	-.0255	-.0219	-.0227	-.0210	-.0142	-.0251	-.0138	292.50
315.00	.0703	-.0309	-.0334	-.0273	-.0294	-.0308	-.0155	-.0248	-.0247	-.0126	-.0219	-.0098	315.00
337.50	.0372	-.0329	-.0321	-.0303	-.0297	-.0314	-.0259	-.0255	-.0249	-.0130	-.0224	-.0133	337.50

TABLE II.- Concluded

(d) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0496	.0243	.0232	.0177	.0011	.0146	.0406	-.0232	-.0215	-.0199	-.0246	-.0270	0.00
22.50	-.0124	-.0297	-.0293	-.0068	-.0280	-.0255	.0509	-.0232	-.0193	-.0198	-.0249	-.0264	22.50
45.00	.0304	-.0369	-.0357	-.0081	-.0279	-.0302	.0464	-.0229	-.0202	-.0194	-.0244	-.0257	45.00
67.50	.0228	-.0063	-.0193		-.0308	-.0350	.0045	-.0287	-.0275	-.0259	-.0310	-.0319	67.50
90.00	.1773	.1326	.0969	.1133	.0510	.0356	.0742	.0443	.0469	.0548	.0550	.0476	90.00
112.50	.5111	.4732	.4178	.3597	.2975	.2804	.2932	.2855	.2904	.2966	.2964	.2920	112.50
135.00		.9997	.9075	.8146	.7125	.7045	.7090	.7008	.6953		.6987		135.00
157.50	1.5494	1.5051	1.4095	1.2804	1.1351	1.1174	1.1314	1.1156	1.1034	1.1076	1.0914	1.0969	157.50
180.00	1.7538	1.7254	1.6263	1.4800	1.3265	1.3041	1.3156		1.2779	1.2781	1.2625	1.2667	180.00
202.50	1.5704	1.5230	1.4196	1.2831	1.1445	1.1247	1.1353	1.1132	1.0932	1.0948	1.0796	1.0866	202.50
225.00	1.0840	1.0259	.9249	.8264	.7258	.7101	.7166	.7075	.6928	.6957	.6864	.6909	225.00
247.50	.5622	.5193	.4487	.3718	.3104	.2958	.3038	.3047	.3016	.2976	.2945	.3019	247.50
270.00	.2039	.1701	.1326	.0919	.0612	.0607	.0733	.0670	.0679	.0662	.0590	.0703	270.00
292.50	.0754	.0154	.0006	-.0133	-.0268	-.0263	-.0201	-.0202	-.0186	-.0131	-.0261	-.0178	292.50
315.00	.0699	-.0317	-.0318	-.0220	-.0288	-.0303	-.0140	-.0219	-.0216	-.0109	-.0233	-.0143	315.00
337.50	.0370	-.0332	-.0310	-.0250	-.0290	-.0307	-.0243	-.0225	-.0218	-.0121	-.0239	-.0176	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0486	.0240	.0255	.0195	.0056	.0158	.0433	-.0188	-.0200	-.0180	-.0209	-.0249	0.00
22.50	-.0129	-.0285	-.0240	-.0048	-.0233	-.0248	.0535	-.0186	-.0182	-.0180	-.0214	-.0249	22.50
45.00	.0301	-.0362	-.0291	-.0060	-.0233	-.0299	.0493	-.0184	-.0194	-.0174	-.0209	-.0237	45.00
67.50	.0191	-.0089	-.0206		-.0279	-.0355	.0066	-.0255	-.0271	-.0239	-.0274	-.0286	67.50
90.00	.1689	.1275	.0972	.1180	.0600	.0444	.0818	.0543	.0545	.0643	.0638	.0567	90.00
112.50	.5058	.4757	.4340	.3829	.3258	.3117	.3242	.3171	.3204	.3282	.3290	.3265	112.50
135.00		1.0193	.9586	.8713	.7736	.7748	.7746	.7616	.7529		.7598		135.00
157.50	1.5669	1.5542	1.5031	1.3784	1.2414	1.2304	1.2392	1.2139	1.2004	1.2079	1.1901	1.1942	157.50
180.00	1.7644	1.7730	1.7364	1.5954	1.4506	1.4343	1.4384		1.3959	1.3979	1.3820	1.3827	180.00
202.50	1.5906	1.5710	1.5121	1.3808	1.2483	1.2337	1.2357	1.2081	1.1899	1.1952	1.1787	1.1839	202.50
225.00	1.0608	1.0362	.9748	.8822	.7848	.7763	.7779	.7660	.7455	.7562	.7468	.7519	225.00
247.50	.5398	.5138	.4643	.3947	.3380	.3279	.3327	.3345	.3278	.3256	.3237	.3295	247.50
270.00	.1920	.1639	.1337	.0975	.0708	.0737	.0821	.0775	.0765	.0744	.0689	.0781	270.00
292.50	.0718	.0120	-.0012	-.0128	-.0232	-.0216	-.0170	-.0163	-.0175	-.0108	-.0223	-.0167	292.50
315.00	.0698	-.0316	-.0254	-.0187	-.0235	-.0250	-.0097	-.0175	-.0205	-.0090	-.0194	-.0131	315.00
337.50	.0370	-.0317	-.0247	-.0214	-.0237	-.0271	-.0195	-.0180	-.0206	-.0098	-.0199	-.0168	337.50

TABLE III.- PRESSURE COEFFICIENTS FOR BLUNT-NOISE—CYLINDER MODEL

(a) $M_{\infty} = 1.6$

ALPHA = -4.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR .475	X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.1699	.1200	.0814	.0616	.0582	-.0544	-.0394	-.0211	-.0116	-.0042	-.0024	-.0010	0.00
22.50	.1702	.1226	.0815	.0589	.0523	-.0616	-.0409	-.0254	-.0151	-.0079	-.0047	-.0040	22.50
45.00	.1519	.1073	.0716	.0473	.0473	-.0724	-.0479	-.0341	-.0219	-.0131	-.0111	-.0096	45.00
67.50	.1305	.0867	.0516	.0323	.0268	-.0854	-.0603	-.0437	-.0285	-.0166	-.0192	-.0141	67.50
90.00	.1065	.0663	.0346	.0183	.0141	-.0963	-.0673	-.0457	-.0271	-.0173	-.0238	-.0153	90.00
112.50	.0785	.0449	.0267	.0091	.0051	-.0999	-.0682	-.0427	-.0249	-.0135	-.0202	-.0072	112.50
135.00	.0700	.0381	.0197	.0091	.0034	-.0952	-.0576	-.0349	-.0154	-.0069	-.0081	-.0074	135.00
157.50	.0598	.0337	.0176	.0092	.0030	-.0927	-.0563	-.0265	-.0085	-.0009	.0061	-.0049	157.50
180.00	.0574	.0335	.0170	.0086	.0039	-.0888	-.0553	-.0254	-.0054	.0018	.0017	-.0020	180.00
202.50	.0595	.0353	.0156	.0091	.0020	-.0909	-.0559	-.0238	-.0080	.0004	-.0069	-.0032	202.50
225.00	.0682	.0466	.0159	.0092	.0034	-.0973	-.0550	-.0278	-.0158	-.0070	-.0118	-.0059	225.00
247.50	.0855	.0506	.0183	.0098	.0062	-.0995	-.0631	-.0365	-.0252	-.0187	-.0181	-.0155	247.50
270.00	.1048	.0661	.0301	.0179	.0126	-.0969	-.0641	-.0448	-.0269	-.0233	-.0224	-.0163	270.00
292.50	.1308	.0876	.0492	.0337	.0281	-.0863	-.0575	-.0446	-.0275	-.0209	-.0230	-.0112	292.50
315.00	.1544	.1086	.0664	.0488	.0413	-.0727	-.0480	-.0346	-.0206	-.0144	-.0175	-.0090	315.00
337.50	.1721	.1243	.0796	.0604	.0537	-.0627	-.0444	-.0245	-.0155	-.0068	-.0066	-.0053	337.50

ALPHA = 0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR .475	X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.1080	.0688	.0397	.0276	.0292	-.0725	-.0491	-.0299	-.0141	-.0069	-.0068	-.0125	0.00
22.50	.1117	.0746	.0420	.0258	.0288	-.0744	-.0491	-.0297	-.0152	-.0061	-.0077	-.0125	22.50
45.00	.1119	.0749	.0462	.0276	.0276	-.0770	-.0495	-.0310	-.0152	-.0056	-.0093	-.0123	45.00
67.50	.1148	.0744	.0461	.0278	.0278	-.0783	-.0493	-.0319	-.0157	-.0063	-.0091	-.0125	67.50
90.00	.1141	.0738	.0452	.0282	.0257	-.0812	-.0496	-.0324	-.0155	-.0070	-.0097	-.0129	90.00
112.50	.1071	.0685	.0497	.0352	.0248	-.0820	-.0510	-.0324	-.0147	-.0062	-.0106	-.0125	112.50
135.00	.1131	.0730	.0484	.0359	.0266	-.0800	-.0469	-.0297	-.0143	-.0071	-.0072	-.0118	135.00
157.50	.1103	.0728	.0486	.0341	.0274	-.0803	-.0497	-.0277	-.0129	-.0070	.0213	-.0110	157.50
180.00	.1088	.0728	.0480	.0327	.0291	-.0793	-.0519	-.0254	-.0125	-.0076	-.0059	-.0106	180.00
202.50	.1095	.0736	.0465	.0334	.0281	-.0796	-.0494	-.0249	-.0130	-.0078	-.0081	-.0122	202.50
225.00	.1102	.0734	.0474	.0341	.0279	-.0812	-.0488	-.0288	-.0132	-.0085	-.0085	-.0117	225.00
247.50	.1137	.0725	.0436	.0293	.0258	-.0818	-.0478	-.0329	-.0155	-.0105	-.0112	-.0155	247.50
270.00	.1153	.0735	.0444	.0297	.0257	-.0840	-.0477	-.0328	-.0157	-.0104	-.0102	-.0134	270.00
292.50	.1169	.0751	.0447	.0303	.0275	-.0818	-.0477	-.0316	-.0161	-.0099	-.0103	-.0120	292.50
315.00	.1160	.0762	.0443	.0290	.0278	-.0795	-.0474	-.0307	-.0148	-.0079	-.0100	-.0118	315.00
337.50	.1168	.0778	.0442	.0294	.0287	-.0783	-.0475	-.0305	-.0149	-.0063	-.0082	-.0122	337.50

ALPHA = 4.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR .475	X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.0537	.0254	.0086	.0058	.0065	-.0820	-.0532	-.0277	-.0055	.0042	-.0006	-.0032	0.00
22.50	.0596	.0327	.0104	.0039	.0076	-.0845	-.0559	-.0303	-.0077	-.0014	-.0040	-.0049	22.50
45.00	.0672	.0385	.0154	.0043	.0076	-.0900	-.0583	-.0367	-.0121	-.0054	-.0076	-.0069	45.00
67.50	.0848	.0495	.0210	.0081	.0125	-.0909	-.0612	-.0438	-.0221	-.0150	-.0138	-.0113	67.50
90.00	.1048	.0645	.0302	.0172	.0183	-.0868	-.0627	-.0470	-.0261	-.0167	-.0181	-.0140	90.00
112.50	.1235	.0801	.0519	.0382	.0277	-.0811	-.0596	-.0449	-.0280	-.0128	-.0180	-.0058	112.50
135.00	.1505	.1029	.0668	.0533	.0423	-.0688	-.0446	-.0340	-.0219	-.0106	-.0100	-.0089	135.00
157.50	.1669	.1191	.0798	.0632	.0525	-.0622	-.0393	-.0250	-.0157	-.0063	.0224	-.0061	157.50
180.00	.1709	.1237	.0878	.0675	.0590	-.0584	-.0394	-.0254	-.0096	-.0061	-.0027	-.0041	180.00
202.50	.1665	.1191	.0830	.0625	.0538	-.0622	-.0376	-.0263	-.0112	-.0072	-.0077	-.0047	202.50
225.00	.1519	.1051	.0701	.0518	.0442	-.0724	-.0423	-.0336	-.0191	-.0142	-.0133	-.0079	225.00
247.50	.1307	.0834	.0478	.0319	.0267	-.0836	-.0560	-.0445	-.0281	-.0193	-.0166	-.0141	247.50
270.00	.1070	.0648	.0321	.0165	.0150	-.0934	-.0616	-.0464	-.0252	-.0198	-.0161	-.0135	270.00
292.50	.0880	.0505	.0216	.0110	.0088	-.0961	-.0616	-.0415	-.0208	-.0147	-.0136	-.0089	292.50
315.00	.0726	.0397	.0139	.0070	.0059	-.0940	-.0578	-.0347	-.0140	-.0079	-.0093	-.0054	315.00
337.50	.0638	.0348	.0116	.0067	.0057	-.0893	-.0544	-.0306	-.0095	.0006	-.0031	-.0020	337.50

TABLE III.- Continued

(a) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0108	-.0061	-.0095	-.0082	-.0004	-.0921	-.0422	-.0147	.0003	.0036	-.0021	-.0014	0.00
22.50	.0156	-.0013	-.0111	-.0157	-.0056	-.0987	-.0535	-.0270	-.0110	-.0143	-.0157	-.0164	22.50
45.00	.0219	-.0010	-.0157	-.0239	-.0239	-.1159	-.0707	-.0437	-.0220	-.0201	-.0208	-.0199	45.00
67.50	.0458	.0096	-.0160	-.0272	-.0186	-.1242	-.0957	-.0719	-.0486	-.0400	-.0390	-.0318	67.50
90.00	.0851	.0385	-.0004	-.0143	-.0146	-.1170	-.1029	-.0885	-.0681	-.0593	-.0583	-.0520	90.00
112.50	.1313	.0789	.0450	.0263	.0159	-.0941	-.0827	-.0770	-.0640	-.0503	-.0535	-.0395	112.50
135.00	.1902	.1324	.0843	.0663	.0555	-.0595	-.0466	-.0419	-.0366	-.0254	-.0274	-.0258	135.00
157.50	.2300	.1708	.1188	.0983	.0875	-.0346	-.0203	-.0118	-.0111	-.0024	.0253	-.0037	157.50
180.00	.2440	.1855	.1352	.1123	.1021	-.0252	-.0095		.0001	.0066	.0088	.0075	180.00
202.50	.2308	.1723	.1217	.1012	.0888	-.0368	-.0160	-.0133	-.0074	-.0028	-.0060	-.0013	202.50
225.00	.1926	.1362	.0883	.0679	.0566	-.0670	-.0443	-.0415	-.0343	-.0303	-.0312	-.0227	225.00
247.50	.1390	.0835	.0406	.0209	.0118	-.0981	-.0814	-.0763	-.0629	-.0538	-.0532	-.0479	247.50
270.00	.0861	.0401	.0023	-.0121	-.0192	-.1191	-.1025	-.0871	-.0642	-.0594	-.0562	-.0502	270.00
292.50	.0469	.0109	-.0175	-.0270	-.0233	-.1225	-.0982	-.0886	-.0452	-.0406	-.0376	-.0303	292.50
315.00	.0261	.0005	-.0179	-.0242	-.0186	-.1187	-.0736	-.0418	-.0223	-.0207	-.0202	-.0192	315.00
337.50	.0180	-.0001	-.0115	-.0155	-.0066	-.1037	-.0520	-.0239	-.0115	-.0107	-.0135	-.0149	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0201	-.0269	-.0217	-.0124	-.0037	-.1016	-.0431	-.0162	-.0003	.0025	.0002	-.0017	0.00
22.50	-.0216	-.0295	-.0478	-.0241	-.0222	-.1096	-.0609	-.0458	-.0390	-.0598	-.0570	-.0592	22.50
45.00	-.0260	-.0417	-.0562	-.0616		-.1400	-.0905	-.0606	-.0377	-.0374	-.0366	-.0346	45.00
67.50	-.0031	-.0415	-.0691	-.0893	-.0789	-.1738	-.1531	-.1248	-.0858	-.0699	-.0610	-.0519	67.50
90.00	.0544	.0007	-.0490	-.0668	-.0772	-.1735	-.1685	-.1689	-.1556	-.1325	-.1288	-.1136	90.00
112.50	.1363	.0759	.0289	.0043	-.0144	-.1234	-.1219	-.1270	-.1284	-.1257	-.1243	-.1095	112.50
135.00	.2345	.1672	.1056	.0809	.0698	-.0501	-.0443	-.0509	-.0528	-.0506	-.0559	-.0548	135.00
157.50	.3000	.2325	.1709	.1426	.1320	-.0002	.0095	.0085	.0055	.0119	.0314	.0022	157.50
180.00	.3258	.2588	.2069	.1704	.1586	.0194	.0357		.0275	.0342	.0325	.0264	180.00
202.50	.3027	.2357	.1759	.1463	.1321	-.0039	.0133	.0093	.0036	.0100	.0037	.0053	202.50
225.00	.2367	.1712	.1136	.0826	.0696	-.0569	-.0455	-.0501	-.0530	-.0550	-.0613	-.0527	225.00
247.50	.1441	.0780	.0248	-.0036	-.0166	-.1197	-.1243	-.1257	-.1269	-.1289	-.1240	-.1126	247.50
270.00	.0580	.0016	-.0462	-.0672	-.0806	-.1723	-.1692	-.1686	-.1519	-.1336	-.1257	-.1111	270.00
292.50	-.0010	-.0425	-.0717	-.0916	-.0854	-.1692	-.1542	-.1206	-.0869	-.0669	-.0582	-.0482	292.50
315.00	-.0222	-.0445	-.0577	-.0648	-.0492	-.1382	-.0932	-.0567	-.0417	-.0362	-.0368	-.0335	315.00
337.50	-.0190	-.0304	-.0482	-.0227	-.0231	-.1102	-.0614	-.0416	-.0421	-.0475	-.0574	-.0592	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0493	-.0431	-.0249	-.0153	-.0131	-.1194	-.0555	-.0269	-.0090	-.0064	-.0097	-.0209	0.00
22.50	-.0597	-.0754	-.0339	-.0506	-.0502	-.1257	-.0874	-.0787	-.0830	-.1110	-.1172	-.1238	22.50
45.00	-.0808	-.0912	-.1269	-.0882		-.1542	-.1116	-.0837	-.0708	-.0686	-.0722	-.0670	45.00
67.50	-.0630	-.1102	-.1430	-.1820	-.1772	-.2423	-.2454	-.2129	-.1188	-.0866	-.1059	-.0723	67.50
90.00	.0202	-.0462	-.1132	-.1435	-.1645	-.2461	-.2617	-.2819	-.2893	-.2603	-.2508	-.2116	90.00
112.50	.1454	.0740	.0148	-.0227	-.0484	-.1515	-.1549	-.1726	-.1871	-.1969	-.2004	-.1978	112.50
135.00	.2851	.2072	.1346	.1026	.0869	-.0394	-.0306	-.0477	-.0539	-.0608	-.0670	-.0702	135.00
157.50	.3881	.3074	.2346	.2021	.1846	.0453	.0566	.0418	.0400	.0409	.0540	.0279	157.50
180.00	.4266	.3450	.2775	.2415	.2256	.0758	.0897		.0763	.0780	.0736	.0692	180.00
202.50	.3893	.3083	.2413	.2049	.1842	.0452	.0538	.0478	.0388	.0396	.0326	.0323	202.50
225.00	.2891	.2110	.1439	.1055	.0862	-.0391	-.0382	-.0458	-.0570	-.0643	-.0685	-.0668	225.00
247.50	.1507	.0736	.0086	-.0302	-.0443	-.1490	-.1631	-.1738	-.1868	-.1965	-.2012	-.2010	247.50
270.00	.0246	-.0440	-.1085	-.1395	-.1538	-.2439	-.2632	-.2822	-.2939	-.2620	-.2491	-.2015	270.00
292.50	-.0641	-.1108	-.1460	-.1831	-.1803	-.2450	-.2406	-.2184	-.1192	-.0922	-.1097	-.0740	292.50
315.00	-.0785	-.0919	-.1257	-.0905	-.0764	-.1558	-.1134	-.0840	-.0725	-.0666	-.0727	-.0698	315.00
337.50	-.0593	-.0772	-.0298	-.0484	-.0453	-.1277	-.0846	-.0769	-.0890	-.1007	-.1159	-.1209	337.50

TABLE III.- Continued

(a) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0694	-.0477	-.0346	-.0332	-.0282	-.1236	-.0839	-.0662	-.0554	-.0567	-.0614	-.0758	0.00
22.50	-.1062	-.1012	-.0910	-.1002	-.1274	-.2041	-.1917	-.1806	-.2235	-.2719	-.2554	-.2204	22.50
45.00	-.1369	-.1566	-.1933	-.1595	-.1595	-.2078	-.1666	-.2219	-.1986	-.1836	-.1855	-.1706	45.00
67.50	-.1332	-.1913	-.2345	-.2559	-.2586	-.3124	-.2887	-.1968	-.1553	-.1306	-.1330	-.0975	67.50
90.00	-.0176	-.0934	-.1696	-.2099	-.2326	-.2984	-.3126	-.3043	-.2599	-.1774	-.1767	-.1226	90.00
112.50	.1509	.0741	.0118	-.0323	-.0669	-.1610	-.1701	-.1888	-.1935	-.2084	-.2132	-.2132	112.50
135.00	.3370	.2564	.1762	.1360	.1178	-.0079	-.0036	-.0233	-.0304	-.0425	-.0462	-.0491	135.00
157.50	.4733	.3928	.3128	.2705	.2517	.1041	.1170	.0968	.0937	.0884	.1026	.0803	157.50
180.00	.5263	.4461	.3667	.3229	.3083	.1479	.1633		.1423	.1398	.1334	.1335	180.00
202.50	.4757	.3958	.3171	.2748	.2585	.1041	.1128	.1000	.0916	.0881	.0815	.0816	202.50
225.00	.3389	.2610	.1847	.1419	.1249	-.0120	-.0117	-.0235	-.0370	-.0451	-.0494	-.0496	225.00
247.50	.1543	.0756	.0014	-.0437	-.0571	-.1609	-.1754	-.1891	-.2048	-.2137	-.2182	-.2195	247.50
270.00	-.0122	-.0839	-.1649	-.2037	-.2207	-.2952	-.3141	-.3073	-.2608	-.1924	-.1790	-.1254	270.00
292.50	-.1345	-.1873	-.2392	-.2625	-.2595	-.3189	-.2904	-.1935	-.1567	-.1428	-.1317	-.1026	292.50
315.00	-.1349	-.1574	-.1989	-.1689	-.1507	-.2236	-.1594	-.2327	-.2047	-.1820	-.1915	-.1713	315.00
337.50	-.1057	-.1103	-.0935	-.0974	-.1201	-.2074	-.1840	-.1749	-.2177	-.2618	-.2561	-.2141	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0796	-.0494	-.0561	-.0433	-.0645	-.1646	-.1660	-.1739	-.1602	-.1524	-.1416	-.1235	0.00
22.50	-.1875	-.0959	-.1986	-.2345	-.2518	-.3300	-.2366	-.2351	-.2438	-.2166	-.1964	-.1964	22.50
45.00	-.2022	-.2350	-.2633	-.2559	-.2559	-.2871	-.2250	-.2485	-.1943	-.1822	-.1846	-.1723	45.00
67.50	-.1986	-.2676	-.2752	-.2538	-.2391	-.2729	-.2645	-.2182	-.2147	-.1996	-.1559	-.1677	67.50
90.00	-.0483	-.1200	-.2007	-.2381	-.2561	-.3167	-.2906	-.2936	-.2691	-.2414	-.2337	-.2383	90.00
112.50	.1680	.0906	.0087	-.0275	-.0507	-.1503	-.1628	-.1815	-.1940	-.2019	-.2073	-.2078	112.50
135.00	.3915	.3138	.2242	.1864	.1677	.0330	.0321	.0153	.0056	-.0052	-.0095	-.0110	135.00
157.50	.5659	.4860	.3928	.3485	.3320	.1774	.1871	.1659	.1640	.1547	.1709	.1487	157.50
180.00	.6346	.5520	.4635	.4138	.4017	.2298	.2443		.2219	.2137	.2127	.2133	180.00
202.50	.5703	.4887	.3995	.3524	.3361	.1708	.1836	.1674	.1569	.1515	.1465	.1472	202.50
225.00	.3967	.3176	.2296	.1856	.1708	.0242	.0290	.0141	-.0005	-.0092	-.0149	-.0115	225.00
247.50	.1680	.0879	.0063	-.0335	-.0440	-.1580	-.1692	-.1854	-.1996	-.2067	-.2112	-.2120	247.50
270.00	-.0456	-.1212	-.1940	-.2321	-.2489	-.3205	-.2841	-.3028	-.2675	-.2368	-.2169	-.1955	270.00
292.50	-.2010	-.2676	-.2828	-.2548	-.2433	-.2530	-.2704	-.2086	-.2224	-.1941	-.1628	-.1771	292.50
315.00	-.2002	-.2366	-.2632	-.2587	-.2481	-.2816	-.2202	-.2504	-.1923	-.1876	-.1909	-.1773	315.00
337.50	-.1856	-.0923	-.1850	-.2471	-.2680	-.3300	-.2442	-.2275	-.2382	-.2102	-.2011	-.2001	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0868	-.0672	-.0864	-.1276	-.1632	-.2574	-.2720	-.1780	-.1876	-.1863	-.1431	-.1320	0.00
22.50	-.2908	-.2552	-.3388	-.3175	-.2708	-.3081	-.2771	-.2806	-.2760	-.2420	-.2389	-.2375	22.50
45.00	-.2708	-.3643	-.2910	-.2666	-.2666	-.3144	-.2707	-.2752	-.2212	-.2203	-.2259	-.2156	45.00
67.50	-.2531	-.3211	-.2917	-.2764	-.2666	-.3244	-.2724	-.2324	-.2190	-.1985	-.2046	-.1965	67.50
90.00	-.0742	-.1444	-.2169	-.2512	-.2701	-.3294	-.3128	-.2876	-.2709	-.2586	-.2587	-.2562	90.00
112.50	.1791	.0988	.0214	-.0166	-.0374	-.1383	-.1471	-.1667	-.1763	-.1850	-.1901	-.1891	112.50
135.00	.4490	.3671	.2793	.2380	.2206	.0770	.0831	.0649	.0496	.0398	.0385	.0368	135.00
157.50	.6630	.5790	.4843	.4375	.4222	.2502	.2660	.2426	.2352	.2294	.2463	.2220	157.50
180.00	.7469	.6608	.5699	.5190	.5062	.3142	.3350		.3057	.3005	.2984	.2996	180.00
202.50	.6658	.5805	.4913	.4433	.4266	.2455	.2611	.2438	.2283	.2245	.2214	.2228	202.50
225.00	.4551	.3746	.2847	.2412	.2245	.0699	.0746	.0578	.0442	.0363	.0306	.0346	225.00
247.50	.1789	.0984	.0231	-.0208	-.0329	-.1440	-.1538	-.1718	-.1817	-.1917	-.1945	-.1972	247.50
270.00	-.0734	-.1464	-.2119	-.2457	-.2614	-.3298	-.3142	-.2935	-.2687	-.2567	-.2491	-.2571	270.00
292.50	-.2567	-.3193	-.2932	-.2754	-.2651	-.3329	-.2804	-.2409	-.2241	-.1975	-.2142	-.2089	292.50
315.00	-.2698	-.3052	-.2933	-.2655	-.2434	-.3140	-.2732	-.2791	-.2218	-.2276	-.2228	-.2168	315.00
337.50	-.2903	-.2614	-.3508	-.3175	-.2684	-.3105	-.2654	-.2826	-.2816	-.2473	-.2413	-.2474	337.50

TABLE III.- Continued

(a) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0987	-.1141	-.1660	-.1910	-.2071	-.2833	-.2940	-.2016	-.2417	-.2148	-.1686	-.1578	0.00
22.50	-.2734	-.3155	-.3742	-.3342	-.3019	-.3377	-.3033	-.2964	-.3020	-.2823	-.2752	-.2717	22.50
45.00	-.3276	-.3439	-.3099	-.2833		-.3425	-.2850	-.3004	-.2630	-.2661	-.2563	-.2364	45.00
67.50	-.2969	-.3545	-.3098	-.2843	-.2831	-.3286	-.2971	-.2875	-.2658	-.2416	-.2399	-.2312	67.50
90.00	-.0991	-.1652	-.2295	-.2561	-.2727	-.3321	-.3322	-.2179	-.2906	-.2792	-.2810	-.2751	90.00
112.50	.1909	.1109	.0380	.0043	-.0181	-.1205	-.1251	-.1489	-.1530	-.1637	-.1675	-.1649	112.50
135.00	.5062	.4217	.3386	.2980	.2783	.1291	.1344	.1135	.1034	.0941	.0929	.0917	135.00
157.50	.7587	.6715	.5827	.5334	.5146	.3335	.3512	.3730	.3200	.3142	.3379	.3057	157.50
180.00	.8598	.7700	.6350	.6289	.6118	.4084	.4317		.4011	.3942	.3935	.3956	180.00
202.50	.7652	.6771	.5924	.5394	.5204	.3283	.3449	.3269	.3128	.3081	.3048	.3068	202.50
225.00	.5114	.4281	.3485	.2990	.2857	.1198	.1244	.1111	.0995	.0894	.0840	.0890	225.00
247.50	.1895	.1084	.0445	-.0028	-.0097	-.1275	-.1379	-.1484	-.1590	-.1690	-.1686	-.1679	247.50
270.00	-.0968	-.1672	-.2219	-.2528	-.2648	-.3325	-.3363	-.3166	-.2870	-.2786	-.2763	-.2779	270.00
292.50	-.2995	-.3521	-.3077	-.2878	-.2840	-.3365	-.2980	-.2684	-.2718	-.2467	-.2440	-.2232	292.50
315.00	-.3255	-.3457	-.3120	-.2913	-.2754	-.3322	-.2942	-.2948	-.2581	-.2684	-.2550	-.2364	315.00
337.50	-.3816	-.3162	-.3739	-.3357	-.3011	-.3414	-.3044	-.2943	-.2993	-.2779	-.2791	-.2737	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1193	-.1798	-.2319	-.2337	-.2467	-.3126	-.3200	-.2214	-.2488	-.2084	-.2011	-.2216	0.00
22.50	-.3988	-.3633	-.3659	-.3492	-.3318	-.3683	-.3272	-.3256	-.3285	-.3209	-.3165	-.3150	22.50
45.00	-.3624	-.3562	-.3229	-.3122		-.3675	-.3143	-.3158	-.2833	-.2915	-.2788	-.2689	45.00
67.50	-.3266	-.3750	-.3209	-.3052	-.3021	-.3603	-.3266	-.3190	-.2972	-.2569	-.2728	-.2677	67.50
90.00	-.1132	-.1757	-.2304	-.2583	-.2715	-.3326	-.3346	-.3402	-.3179	-.2915	-.2965	-.2878	90.00
112.50	.2090	.1320	.0641	.0270	.0068	-.0964	-.1049	-.1214	-.1272	-.1345	-.1410	-.1399	112.50
135.00	.5722	.4875	.4046	.3597	.3394	.1875	.1893	.1734	.1660	.1564	.1555	.1492	135.00
157.50	.8549	.7678	.6820	.6311	.6096	.4238	.4364	.4108	.4102	.4033	.4352	.3941	157.50
180.00	.9731	.8848	.7982	.7414	.7225	.5142	.5317		.5048	.4948	.5003	.4942	180.00
202.50	.8609	.7765	.6878	.6347	.6171	.4193	.4337	.4144	.4060	.3997	.4002	.3887	202.50
225.00	.5716	.4926	.4054	.3618	.3489	.1755	.1829	.1677	.1559	.1487	.1501	.1435	225.00
247.50	.2040	.1294	.0647	.0219	.0136	-.1103	-.1143	-.1266	-.1320	-.1372	-.1426	-.1476	247.50
270.00	-.1113	-.1740	-.2277	-.2535	-.2637	-.3358	-.3356	-.3410	-.3130	-.2916	-.3026	-.2978	270.00
292.50	-.3288	-.3701	-.3248	-.3021	-.3077	-.3608	-.3187	-.3171	-.3003	-.2725	-.2716	-.2656	292.50
315.00	-.3579	-.3567	-.3280	-.3077	-.3086	-.3676	-.3146	-.3188	-.2844	-.2911	-.2838	-.2713	315.00
337.50	-.4081	-.3564	-.3693	-.3522	-.3271	-.3682	-.3222	-.3225	-.3263	-.3181	-.3197	-.3192	337.50

ALPHA = 40.1 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1725	-.2456	-.2748	-.2677	-.2669	-.3293	-.3498	-.2463	-.2765	-.2549	-.2749	-.2866	0.00
22.50	-.4085	-.3818	-.3719	-.3686	-.3648	-.3922	-.3473	-.3595	-.3499	-.3612	-.3485	-.3198	22.50
45.00	-.3870	-.3718	-.3448	-.3358		-.3876	-.3378	-.3293	-.3106	-.3119	-.2952	-.2920	45.00
67.50	-.3534	-.3899	-.3429	-.3332	-.3302	-.3676	-.3382	-.3366	-.3114	-.3034	-.2909	-.2961	67.50
90.00	-.1274	-.1827	-.2346	-.2563	-.2737	-.3264	-.3295	-.3378	-.3377	-.3269	-.3266	-.3086	90.00
112.50	.2233	.1446	.0854	.0557	.0266	-.0639	-.0797	-.0945	-.0980	-.1055	-.1114	-.1101	112.50
135.00	.6263	.5481	.4637	.4259	.3911	.2587	.2515	.2373	.2260	.2190	.2149	.2109	135.00
157.50	.9523	.8896	.7784	.7342	.6958	.5345	.5300	.5058	.5046	.4999	.5348	.4870	157.50
180.00	1.0866	1.0002	.9090	.8589	.8215	.6393	.6366		.6140	.6074	.6004	.5966	180.00
202.50	.9590	.8736	.7854	.7386	.7021	.5286	.5226	.5078	.5010	.4958	.4862	.4812	202.50
225.00	.6309	.5509	.4687	.4265	.4012	.2484	.2415	.2300	.2227	.2141	.2068	.2076	225.00
247.50	.2181	.1445	.0871	.0472	.0321	-.0776	-.0900	-.0998	-.1001	-.1079	-.1173	-.1183	247.50
270.00	-.1279	-.1853	-.2302	-.2537	-.2663	-.3287	-.3346	-.3424	-.3349	-.3230	-.3317	-.3111	270.00
292.50	-.3542	-.3866	-.3435	-.3317	-.3290	-.3658	-.3392	-.3331	-.3093	-.2984	-.2904	-.3045	292.50
315.00	-.3851	-.3699	-.3475	-.3338	-.3282	-.3840	-.3401	-.3233	-.3105	-.3129	-.2990	-.2927	315.00
337.50	-.4150	-.3870	-.3714	-.3673	-.3598	-.3932	-.3432	-.3588	-.3485	-.3606	-.3465	-.3210	337.50

TABLE III.- Continued

(a) Continued

ALPHA = 44.1 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L = .475	.575	.675	.775	.875	.925	.975	THETA, DEG
0.00	-.24C1	-.2977	-.3010	-.2885	-.2765	-.3404	-.3717	-.2909	-.3320	-.3232	-.3295	-.3165	0.00
22.50	-.4210	-.4037	-.3834	-.3815	-.3849	-.4134	-.3497	-.4734	-.3714	-.36f3	-.3442	-.3315	22.50
45.00	-.4040	-.3826	-.3614	-.3579	-.3562	-.4031	-.3607	-.3369	-.3426	-.3233	-.3211	-.3166	45.00
67.50	-.3889	-.4013	-.3624	-.3549	-.3562	-.3794	-.3584	-.3495	-.3268	-.3217	-.3201	-.2870	67.50
90.00	-.1375	-.1868	-.2322	-.2544	-.2763	-.3146	-.3208	-.3295	-.3400	-.3407	-.3343	-.3062	90.00
112.50	.2349	.1750	.1094	.1750	.0421	.3242	-.6466	-.0597	-.0688	-.0715	-.0792	-.0767	112.50
135.00	.6824	.6770	.5229	.4842	.4364	.3302	.3154	.2067	.2911	.2861	.2804	.2789	135.00
157.50	1.0471	.9611	.8729	.8315	.7694	.6466	.6274	.6080	.5994	.5993	.6315	.5892	157.50
180.00	1.1912	1.1664	1.0144	.9680	.9064	.7609	.7450		.7202	.7179	.7079	.7074	180.00
202.50	1.0498	.9674	.8795	.8318	.7778	.6360	.6201	.6108	.5906	.5915	.5834	.5835	202.50
225.00	.6832	.6063	.5242	.4864	.4473	.3226	.3025	.2979	.2794	.2773	.2706	.2749	225.00
247.50	.2279	.1600	.1067	.0690	.0455	-.2409	-.0614	-.0669	-.0768	-.0767	-.0639	-.0641	247.50
270.00	-.1399	-.1911	-.2321	-.2512	-.2684	-.3177	-.2270	-.2334	-.2388	-.2338	-.2304	-.2304	270.00
292.50	-.3721	-.3977	-.3631	-.3523	-.3557	-.3734	-.3584	-.3507	-.3260	-.3234	-.3205	-.2763	292.50
315.00	-.4020	-.3822	-.3650	-.3561	-.3557	-.4004	-.3549	-.3397	-.3440	-.3262	-.3216	-.3075	315.00
337.50	-.4253	-.4069	-.3857	-.3826	-.3858	-.4176	-.3485	-.3754	-.3707	-.3636	-.3427	-.3306	337.50

ALPHA = 48.2 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L = .475	.575	.675	.775	.875	.925	.975	THETA, DEG
0.00	-.2929	-.3246	-.3235	-.2997	-.3098	-.3762	-.3351	-.2644	-.3649	-.3667	-.2631	-.1723	0.00
22.50	-.4312	-.4131	-.3969	-.3978	-.4065	-.4323	-.3953	-.3904	-.3819	-.3581	-.2775	-.1964	22.50
45.00	-.4134	-.3950	-.3806	-.3779	-.3785	-.4078	-.3797	-.3607	-.3630	-.3372	-.2641	-.2026	45.00
67.50	-.3817	-.4110	-.3849	-.3791	-.3785	-.3879	-.3749	-.3611	-.3477	-.3248	-.2922	-.2079	67.50
90.00	-.1477	-.1910	-.2333	-.2533	-.2771	-.3023	-.3120	-.3226	-.3285	-.3259	-.2796	-.2194	90.00
112.50	.2563	.1957	.1311	.1428	.0589	.3088	-.0122	-.0228	-.0350	-.0365	-.0426	-.0462	112.50
135.00	.7385	.6668	.5859	.5475	.4849	.3992	.3955	.3707	.3630	.3590	.3551	.3453	135.00
157.50	1.1360	1.0573	.9729	.9249	.8478	.7433	.7306	.7047	.7017	.6999	.7363	.6845	157.50
180.00	1.2939	1.2157	1.1289	1.0781	.9991	.8782	.8604		.8356	.8317	.8269	.8129	180.00
202.50	1.1349	1.0574	.9770	.9306	.8531	.7339	.7218	.7064	.6957	.6927	.6886	.6738	202.50
225.00	.7366	.6628	.5867	.5475	.4950	.3889	.3709	.3467	.3447	.3442	.3444	.3356	225.00
247.50	.2434	.1791	.1302	.0931	.0613	-.3087	-.0257	-.0289	-.0412	-.0442	-.0471	-.0573	247.50
270.00	-.1479	-.1948	-.2313	-.2493	-.2691	-.3061	-.2187	-.2267	-.3290	-.3265	-.2817	-.2393	270.00
292.50	-.3847	-.4062	-.3969	-.3779	-.3772	-.3839	-.3732	-.3573	-.3429	-.3236	-.2959	-.2065	292.50
315.00	-.4111	-.3947	-.3841	-.3777	-.3777	-.4056	-.3803	-.3579	-.3610	-.3437	-.2834	-.1991	315.00
337.50	-.4334	-.4166	-.3960	-.3992	-.4068	-.4351	-.3788	-.3897	-.3825	-.3608	-.2765	-.1914	337.50

ALPHA = 52.4 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L = .475	.575	.675	.775	.875	.925	.975	THETA, DEG
0.00	-.3467	-.3526	-.3328	-.3251	-.3592	-.3737	-.2153	-.1905	-.1694	-.1664	-.1621	-.1557	0.00
22.50	-.4459	-.4276	-.4108	-.4063	-.3957	-.3784	-.2938	-.1998	-.1661	-.1632	-.1628	-.1619	22.50
45.00	-.4243	-.4135	-.3963	-.3868	-.3818	-.3618	-.2601	-.1915	-.1629	-.1601	-.1626	-.1622	45.00
67.50	-.3973	-.4219	-.4146	-.3870	-.3647	-.3522	-.2414	-.1699	-.1615	-.1585	-.1601	-.1601	67.50
90.00	-.1574	-.1948	-.2309	-.2477	-.2737	-.2841	-.2272	-.1590	-.1697	-.1599	-.1563	-.1626	90.00
112.50	.2601	.2067	.1539	.1475	.0775	.3008	.0167	-.0210	.0012	-.0015	-.0110	-.0255	112.50
135.00	.7780	.7143	.6468	.6034	.5367	.4676	.4497	.4275	.4350	.4282	.4165	.3919	135.00
157.50	1.2723	1.1411	1.0602	1.0122	.9313	.8457	.8261	.8044	.8069	.8010	.8278	.7573	157.50
180.00	1.3871	1.3139	1.2337	1.1799	1.0462	.9958	.9753		.9527	.9455	.9328	.8964	180.00
202.50	1.2145	1.1441	1.0659	1.0165	.9352	.8446	.8199	.8071	.7980	.7920	.7802	.7471	202.50
225.00	.7810	.7132	.6449	.6044	.5491	.4582	.4380	.4289	.4222	.4162	.4058	.3853	225.00
247.50	.2495	.1911	.1518	.1170	.0819	.0248	.0010	-.0077	-.0066	-.0085	-.0156	-.0322	247.50
270.00	-.1604	-.2003	-.2302	-.2452	-.2651	-.2884	-.2275	-.1572	-.1682	-.1521	-.1640	-.1824	270.00
292.50	-.3977	-.4553	-.4157	-.3858	-.3649	-.3549	-.2469	-.1671	-.1582	-.1551	-.1662	-.1704	292.50
315.00	-.4230	-.4125	-.3987	-.3857	-.3701	-.3587	-.2613	-.1824	-.1608	-.1574	-.1633	-.1607	315.00
337.50	-.4454	-.4306	-.4122	-.4062	-.3970	-.3797	-.2519	-.1922	-.1668	-.1628	-.1633	-.1598	337.50

TABLE III.- Continued

(a) Concluded

ALPHA = 56.7 DEG

THETA, DEG	CP FOR X/I =										THETA, DEG		
	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80			
0.00	-.1142	-.1207	-.1300	-.1419	-.1509	-.1487	-.1279	-.1099	-.0955	-.0804	-.0614	-.0121	0.00
22.50	-.126	-.1321	-.1377	-.1462	-.1472	-.1539	-.1300	-.1028	-.0876	-.0704	-.0503	-.0133	22.50
45.00	-.1231	-.1304	-.1372	-.1470	-.1470	-.1691	-.1318	-.1013	-.0851	-.0669	-.0468	-.0140	45.00
67.50	-.1100	-.1254	-.1320	-.1430	-.1373	-.1651	-.1254	-.0932	-.0746	-.0555	-.0360	-.0070	67.50
90.00	-.1352	-.14	-.147	-.1489	-.1407	-.1491	-.1263	-.0988	-.0742	-.0544	-.0342	-.0091	90.00
112.50	.2698	.2234	.1724	.2115	.0972	.0734	.0513	.0343	.0361	.0315	.0226	-.0021	112.50
135.00	.4164	.2614	.1913	.1500	.0895	.0367	.0231	.0090	.0034	.0007	.0000	.0000	135.00
157.50	1.2772	1.2156	1.1440	.0932	1.0169	.9483	.8287	.9071	.8068	.8959	.9136	.8221	157.50
180.00	1.4422	1.3981	1.3242	1.2713	1.1919	1.1073	1.0897	1.0663	1.0546	1.0367	.9733	.9733	180.00
202.50	1.2794	1.2182	1.147	1.0973	1.0262	.9392	.9191	.9070	.8997	.8890	.8687	.8117	202.50
225.00	.0169	.7572	.695	.6558	.6068	.5298	.5056	.4979	.4922	.4825	.4661	.4238	225.00
247.50	.214	.204	.1733	.1370	.1038	.0580	.0338	.0270	.0272	.0240	.0157	-.0129	247.50
270.00	-.1264	-.1314	-.1401	-.1487	-.1387	-.1360	-.1356	-.0702	-.0593	.0080	.0039	-.0158	270.00
292.50	-.1304	-.137	-.1381	-.1480	-.1382	-.1398	-.1283	-.0915	-.0528	-.0031	-.0044	-.0109	292.50
315.00	-.1208	-.1303	-.1370	-.1453	-.1369	-.1343	-.1273	-.0977	-.0587	-.0152	-.0162	-.0207	315.00
337.50	-.1100	-.1200	-.1268	-.1453	-.1406	-.1355	-.1284	-.0962	-.0627	-.0173	-.0139	-.0206	337.50

TABLE III.- Continued

(b) $M_{\infty} = 2.3$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1591	.1158	.0790	.0667	.0579	-.3170	-.0112	-.0083	-.0047	-.0018	-.0026	-.0029	0.00
22.50	.1551	.1122	.0770	.0631	.0558	-.0194	-.0147	-.0115	-.0070	-.0056	-.0044	-.0040	22.50
45.00	.1414	.1005	.0666	.0535	.0460	-.0278	-.0217	-.0185	-.0150	-.0119	-.0118	-.0110	45.00
67.50	.1244	.0836	.0529	.0390	.0329	-.0377	-.0305	-.0267	-.0231	-.0192	-.0187	-.0179	67.50
90.00	.1033	.0657	.0371	.0253	.0194	-.0475	-.0378	-.0325	-.0274	-.0224	-.0211	-.0190	90.00
112.50	.0837	.0505	.0245	.0159	.0103	-.0525	-.0417	-.0335	-.0263	-.0190	-.0179	-.0112	112.50
135.00	.0699	.0393	.0172	.0111	.0053	-.0553	-.0414	-.0299	-.0193	-.0127	-.0095		135.00
157.50	.0607	.0336	.0146	.0086	.0031	-.0525	-.0382	-.0254	-.0130	-.0061	-.0054	-.0043	157.50
180.00	.0570	.0317	.0143	.0081	.0016	-.0500	-.0360		-.0090	-.0026	-.0026	-.0014	180.00
202.50	.0588	.0325	.0134	.0069	.0009	-.0521	-.0369	-.0229	-.0129	-.0043	-.0046	-.0028	202.50
225.00	.0661	.0368	.0153	.0073	.0019	-.0565	-.0401	-.0253	-.0192	-.0109	-.0115	-.0077	225.00
247.50	.0688	.0467	.0215	.0119	.0058	-.0556	-.0429	-.0313	-.0262	-.0165	-.0178	-.0152	247.50
270.00	.0988	.0620	.0327	.0212	.0150	-.0512	-.0404	-.0329	-.0302	-.0215	-.0230	-.0194	270.00
292.50	.1215	.0816	.0487	.0354	.0293	-.0413	-.0333	-.0289	-.0274	-.0196	-.0201	-.0191	292.50
315.00	.1428	.0995	.0641	.0504	.0426	-.0298	-.0240	-.0207	-.0170	-.0141	-.0131	-.0119	315.00
337.50		.1125	.0765	.0623	.0543	-.0219	-.0163	-.0130	-.0099	-.0060	-.0067	-.0051	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1020	.0673	.0420	.0336	.0239	-.0402	-.0285	-.0194	-.0126	-.0073	-.0059	-.0055	0.00
22.50	.1030	.0681	.0429	.0342	.0246	-.0401	-.0298	-.0199	-.0132	-.0080	-.0062	-.0052	22.50
45.00	.1046	.0700	.0455	.0361	.0261	-.0398	-.0291	-.0198	-.0131	-.0082	-.0069	-.0060	45.00
67.50	.1079	.0709	.0451	.0367	.0287	-.0391	-.0288	-.0201	-.0133	-.0089	-.0078	-.0069	67.50
90.00	.1093	.0722	.0444	.0365	.0285	-.0386	-.0284	-.0200	-.0129	-.0092	-.0086	-.0077	90.00
112.50	.1094	.0728	.0443	.0365	.0284	-.0378	-.0280	-.0196	-.0134	-.0090	-.0087	-.0072	112.50
135.00	.1103	.0732	.0447	.0364	.0280	-.0380	-.0275	-.0194	-.0135	-.0089	-.0083		135.00
157.50	.1097	.0727	.0450	.0339	.0272	-.0379	-.0274	-.0198	-.0136	-.0089	-.0088	-.0088	157.50
180.00	.1079	.0718	.0450	.0326	.0262	-.0385	-.0278		-.0133	-.0095	-.0085	-.0089	180.00
202.50	.1063	.0705	.0427	.0315	.0250	-.0395	-.0283	-.0196	-.0141	-.0089	-.0090	-.0096	202.50
225.00	.1054	.0698	.0418	.0312	.0249	-.0399	-.0287	-.0195	-.0151	-.0083	-.0086	-.0090	225.00
247.50	.1047	.0682	.0415	.0315	.0250	-.0392	-.0292	-.0197	-.0152	-.0076	-.0089	-.0083	247.50
270.00	.1027	.0675	.0416	.0318	.0252	-.0401	-.0295	-.0199	-.0150	-.0069	-.0081	-.0078	270.00
292.50	.1031	.0682	.0426	.0322	.0261	-.0399	-.0302	-.0206	-.0150	-.0072	-.0072	-.0071	292.50
315.00	.1035	.0685	.0427	.0323	.0254	-.0402	-.0302	-.0206	-.0137	-.0074	-.0064	-.0055	315.00
337.50		.0688	.0431	.0325	.0251	-.0411	-.0301	-.0204	-.0133	-.0072	-.0059	-.0053	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0542	.0360	.0132	.0069	-.0017	-.0504	-.0374	-.0245	-.0106	-.0031	-.0036	-.0038	0.00
22.50	.0568	.0319	.0133	.0057	-.0011	-.0547	-.0407	-.0285	-.0150	-.0056	-.0065	-.0060	22.50
45.00	.0655	.0385	.0176	.0068		-.0583	-.0443	-.0343	-.0224	-.0150	-.0130	-.0117	45.00
67.50	.0837	.0501	.0252	.0123	.0064	-.0570	-.0463	-.0400	-.0319	-.0244	-.0221	-.0196	67.50
90.00	.1044	.0666	.0365	.0229	.0146	-.0517	-.0431	-.0384	-.0338	-.0305	-.0291	-.0267	90.00
112.50	.1279	.0865	.0527	.0392	.0303	-.0413	-.0338	-.0301	-.0277	-.0261	-.0268	-.0242	112.50
135.00	.1499	.1049	.0682	.0555	.0457	-.0288	-.0220	-.0193	-.0168	-.0162	-.0161		135.00
157.50	.1640	.1171	.0798	.0642	.0560	-.0193	-.0138	-.0120	-.0093	-.0081	-.0096	-.0113	157.50
180.00	.1668	.1211	.0843	.0665	.0599	-.0165	-.0114		-.0075	-.0055	-.0083	-.0079	180.00
202.50	.1586	.1144	.0771	.0601	.0534	-.0219	-.0163	-.0139	-.0111	-.0113	-.0117	-.0111	202.50
225.00	.1428	.1001	.0644	.0484	.0413	-.0321	-.0252	-.0223	-.0193	-.0184	-.0185	-.0185	225.00
247.50	.1221	.0801	.0485	.0342	.0258	-.0427	-.0361	-.0322	-.0307	-.0256	-.0254	-.0258	247.50
270.00	.0985	.0612	.0329	.0201	.0126	-.0536	-.0436	-.0384	-.0342	-.0271	-.0254	-.0231	270.00
292.50	.0795	.0467	.0220	.0105	.0048	-.0572	-.0460	-.0371	-.0285	-.0198	-.0182	-.0147	292.50
315.00	.0658	.0369	.0162	.0057	.0010	-.0577	-.0435	-.0311	-.0197	-.0121	-.0104	-.0087	315.00
337.50		.0314	.0139	.0048	-.0011	-.0550	-.0377	-.0265	-.0137	-.0051	-.0049	-.0039	337.50

TABLE III.- Continued

(b) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0163	.0015	-.0072	-.0075	-.0057	-.0538	-.0356	-.0178	-.0089	-.0027	-.0037	-.0035	0.00
22.50	.0161	-.0016	-.0122	-.0158	-.0164	-.0671	-.0441	-.0279	-.0185	-.0170	-.0155	-.0152	22.50
45.00	.0253	-.0005	-.0165	-.0229		-.0821	-.0631	-.0469	-.0323	-.0248	-.0224	-.0198	45.00
67.50	.0528	.0157	-.0122	-.0233	-.0315	-.0884	-.0853	-.0818	-.0704	-.0575	-.0518	-.0445	67.50
90.00	.0946	.0514	.0124	-.0028	-.0157	-.0763	-.0767	-.0806	-.0841	-.0843	-.0837	-.0785	90.00
112.50	.1452	.0972	.0538	.0343	.0213	-.0492	-.0477	-.0510	-.0561	-.0594	-.0624	-.0609	112.50
135.00	.1949	.1441	.0954	.0761	.0632	-.0170	-.0143	-.0155	-.0193	-.0218	-.0234		135.00
157.50	.2304	.1774	.1268	.1064	.0930	.0094	.0121	.0105	.0092	.0078	.0056	.0021	157.50
180.00	.2417	.1889	.1386	.1179	.1040	.0174	.0209		.0178	.0177	.0140	.0128	180.00
202.50	.2260	.1735	.1239	.1031	.0893	.0049	.0088	.0073	.0046	.0029	-.0000	-.0007	202.50
225.00	.1889	.1381	.0913	.0695	.0582	-.0212	-.0190	-.0204	-.0234	-.0280	-.0300	-.0281	225.00
247.50	.1402	.0911	.0503	.0288	.0176	-.0517	-.0519	-.0541	-.0586	-.0620	-.0644	-.0639	247.50
270.00	.0893	.0462	.0103	-.0075	-.0168	-.0792	-.0769	-.0794	-.0819	-.0865	-.0790	-.0731	270.00
292.50	.0502	.0150	-.0134	-.0254	-.0320	-.0867	-.0827	-.0766	-.0628	-.0493	-.0448	-.0374	292.50
315.00	.0273	.0010	-.0164	-.0241	-.0248	-.0794	-.0601	-.0429	-.0291	-.0217	-.0206	-.0179	315.00
337.50		-.0002	-.0110	-.0167	-.0126	-.0647	-.0421	-.0253	-.0174	-.0129	-.0139	-.0137	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0126	-.0198	-.0173	-.0103	-.0114	-.0618	-.0424	-.0234	-.0155	-.0098	-.0101	-.0094	0.00
22.50	-.0169	-.0277	-.0428	-.0458	-.0289	-.0748	-.0566	-.0445	-.0462	-.0614	-.0630	-.0698	22.50
45.00	-.0149	-.0376	-.0492	-.0641		-.1062	-.0963	-.0684	-.0727	-.0739	-.0807	-.0799	45.00
67.50	.0178	-.0237	-.0577	-.0732	-.0889	-.1366	-.1406	-.1389	-.1300	-.1002	-.0848	-.0774	67.50
90.00	.0782	.0308	-.0173	-.0376	-.0568	-.1115	-.1188	-.1284	-.1366	-.1393	-.1314	-.1242	90.00
112.50	.1604	.1067	.0547	.0326	.0136	-.0554	-.0606	-.0683	-.0756	-.0814	-.0841	-.0852	112.50
135.00	.2458	.1866	.1283	.1073	.0887	.0031	.0024	-.0022	-.0081	-.0132	-.0147		135.00
157.50	.3080	.2447	.1846	.1607	.1428	.0489	.0498	.0457	.0417	.0388	.0359	.0317	157.50
180.00	.3292	.2666	.2065	.1817	.1642	.0648	.0665		.0586	.0576	.0528	.0510	180.00
202.50	.3027	.2408	.1818	.1568	.1398	.0440	.0454	.0428	.0364	.0337	.0287	.0287	202.50
225.00	.2384	.1797	.1241	.0987	.0637	-.0020	-.0029	-.0072	-.0145	-.0210	-.0236	-.0233	225.00
247.50	.1560	.0999	.0526	.0262	.0109	-.0585	-.0646	-.0714	-.0786	-.0867	-.0892	-.0911	247.50
270.00	.0737	.0245	-.0184	-.0421	-.0568	-.1140	-.1211	-.1301	-.1379	-.1353	-.1265	-.1191	270.00
292.50	.0146	-.0255	-.0587	-.0754	-.0900	-.1353	-.1390	-.1388	-.1288	-.1013	-.0879	-.0791	292.50
315.00	-.0132	-.0369	-.0487	-.0654	-.0578	-.1015	-.0875	-.0655	-.0681	-.0688	-.0765	-.0780	315.00
337.50		-.0268	-.0426	-.0479	-.0272	-.0735	-.0593	-.0421	-.0448	-.0521	-.0619	-.0664	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0319	-.0309	-.0232	-.0207	.0225	-.0715	-.0604	-.0515	-.0382	-.0442	-.0594	-.0673	0.00
22.50	-.0434	-.0595	-.0945	-.0808	-.0894	-.1222	-.1117	-.1233	-.1496	-.1504	-.1365	-.1268	22.50
45.00	-.0549	-.0726	-.0920	-.1053		-.1440	-.1550	-.1315	-.1251	-.1297	-.1284	-.1165	45.00
67.50	-.0179	-.0664	-.1077	-.1251	-.1427	-.1677	-.1465	-.1360	-.1154	-.1015	-.0987	-.0950	67.50
90.00	.0634	.0108	-.0396	-.0622	-.0832	-.1291	-.1376	-.1464	-.1448	-.1267	-.1209	-.1161	90.00
112.50	.1780	.1182	.0633	.0379	.0185	-.0505	-.0570	-.0658	-.0734	-.0750	-.0827	-.0821	112.50
135.00	.2990	.2348	.1690	.1462	.1238	.0328	.0313	.0253	.0190	.0124	.0114		135.00
157.50	.3905	.3224	.2535	.2271	.2041	.0999	.1014	.0951	.0895	.0864	.0835	.0784	157.50
180.00	.4233	.3562	.2879	.2592	.2367	.1244	.1259		.1133	.1133	.1077	.1057	180.00
202.50	.3862	.3197	.2529	.2251	.2032	.0957	.0974	.0937	.0848	.0828	.0774	.0763	202.50
225.00	.2940	.2304	.1679	.1401	.1222	.0293	.0258	.0209	.0127	.0049	.0026	.0018	225.00
247.50	.1738	.1134	.0628	.0328	.0174	-.0529	-.0610	-.0684	-.0768	-.0842	-.0879	-.0884	247.50
270.00	.0599	.0068	-.0385	-.0661	-.0817	-.1313	-.1398	-.1476	-.1422	-.1212	-.1173	-.1109	270.00
292.50	-.0207	-.0662	-.1076	-.1279	-.1435	-.1624	-.1459	-.1391	-.1135	-.1032	-.1041	-.0923	292.50
315.00	-.0522	-.0705	-.0910	-.1085	-.0926	-.1482	-.1558	-.1309	-.1255	-.1253	-.1260	-.1173	315.00
337.50		-.0587	-.0959	-.0860	-.0868	-.1248	-.1066	-.1165	-.1462	-.1444	-.1380	-.1323	337.50

TABLE III.- Continued

(b) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0494	-.0358	-.0342	-.0316	-.0456	-.0990	-.1242	-.0994	-.1063	-.1018	-.0936	-.0903	0.00
22.50	-.0742	-.1098	-.1352	-.1537	-.1650	-.1755	-.1483	-.1522	-.1444	-.1337	-.1311	-.1290	22.50
45.00	-.0966	-.1114	-.1338	-.1341	-.1377	-.1557	-.1464	-.1399	-.1291	-.1214	-.1245	-.1242	45.00
67.50	-.0544	-.1027	-.1439	-.1484	-.1377	-.1644	-.1478	-.1380	-.1325	-.1271	-.1184	-.1146	67.50
90.00	.0470	-.0045	-.0547	-.0741	-.0918	-.1360	-.1436	-.1524	-.1558	-.1442	-.1391	-.1326	90.00
112.50	.1950	.1328	.0767	.0514	.0322	-.0378	-.0448	-.0564	-.0616	-.0663	-.0701	-.0713	112.50
135.00	.3569	.2869	.2185	.1930	.1705	.0713	.0695	.0631	.0560	.0487	.0473		135.00
157.50	.4841	.4076	.3363	.3041	.2799	.1626	.1635	.1554	.1478	.1459	.1398	.1371	157.50
180.00	.5306	.4555	.3831	.3482	.3236	.1954	.1976		.1802	.1817	.1720	.1720	180.00
202.50	.4798	.4068	.3357	.3027	.2787	.1572	.1594	.1541	.1424	.1416	.1334	.1328	202.50
225.00	.3531	.2855	.2186	.1885	.1704	.0671	.0636	.0574	.0489	.0408	.0376	.0374	225.00
247.50	.1924	.1301	.0785	.0483	.0319	-.0399	-.0491	-.0547	-.0649	-.0702	-.0765	-.0720	247.50
270.00	.0466	-.0062	-.0506	-.0753	-.0903	-.1377	-.1456	-.1510	-.1517	-.1374	-.1340	-.1281	270.00
292.50	-.0562	-.1018	-.1419	-.1517	-.1377	-.1618	-.1470	-.1391	-.1362	-.1262	-.1159	-.1135	292.50
315.00	-.0931	-.1097	-.1347	-.1381	-.1375	-.1553	-.1396	-.1374	-.1299	-.1246	-.1256	-.1245	315.00
337.50		-.1110	-.1392	-.1598	-.1672	-.1938	-.1510	-.1524	-.1440	-.1360	-.1319	-.1308	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0567	-.0431	-.0730	-.0848	-.0950	-.1405	-.1514	-.1155	-.1223	-.1259	-.1235	-.1127	0.00
22.50	-.1126	-.1560	-.1601	-.1576	-.1598	-.1784	-.1649	-.1640	-.1569	-.1526	-.1461	-.1430	22.50
45.00	-.1328	-.1454	-.1932	-.1508	-.1508	-.1681	-.1606	-.1545	-.1459	-.1410	-.1397	-.1388	45.00
67.50	-.0852	-.1295	-.1625	-.1627	-.1538	-.1740	-.1601	-.1500	-.1479	-.1423	-.1390	-.1366	67.50
90.00	.0339	-.0152	-.0629	-.0787	-.0962	-.1372	-.1432	-.1522	-.1575	-.1602	-.1612	-.1477	90.00
112.50	.2136	.1527	.0940	.0713	.0519	-.0184	-.0282	-.0345	-.0472	-.0492	-.0538	-.0537	112.50
135.00	.4161	.3456	.2738	.2485	.2231	.1173	.1162	.1084	.0989	.0942	.0897		135.00
157.50	.5790	.5009	.4249	.3914	.3641	.2348	.2346	.2250	.2165	.2151	.2058	.2028	157.50
180.00	.6418	.5639	.4868	.4499	.4229	.2784	.2802		.2611	.2604	.2496	.2501	180.00
202.50	.5785	.5030	.4275	.3933	.3655	.2302	.2299	.2243	.2100	.2096	.1997	.1999	202.50
225.00	.4161	.3457	.2757	.2467	.2248	.1138	.1094	.1031	.0922	.0862	.0819	.0825	225.00
247.50	.2134	.1502	.0966	.0690	.0515	-.0220	-.0301	-.0374	-.0462	-.0540	-.0539	-.0563	247.50
270.00	.0365	-.0160	-.0572	-.0792	-.0940	-.1372	-.1452	-.1504	-.1548	-.1555	-.1563	-.1434	270.00
292.50	-.0856	-.1273	-.1593	-.1644	-.1557	-.1706	-.1589	-.1482	-.1465	-.1388	-.1386	-.1337	292.50
315.00	-.1292	-.1443	-.1536	-.1547	-.1512	-.1658	-.1576	-.1541	-.1454	-.1362	-.1386	-.1384	315.00
337.50		-.1603	-.1639	-.1633	-.1616	-.1820	-.1639	-.1626	-.1592	-.1499	-.1473	-.1442	337.50

ALPHA = 29.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0599	-.0654	-.1015	-.1195	-.1197	-.1548	-.1642	-.1117	-.1401	-.1405	-.1258	-.1233	0.00
22.50	-.1507	-.1765	-.1710	-.1646	-.1707	-.1897	-.1777	-.1762	-.1714	-.1673	-.1656	-.1561	22.50
45.00	-.1635	-.1671	-.1669	-.1584	-.1584	-.1803	-.1719	-.1675	-.1599	-.1570	-.1560	-.1549	45.00
67.50	-.1100	-.1485	-.1751	-.1706	-.1630	-.1839	-.1712	-.1658	-.1640	-.1537	-.1532	-.1457	67.50
90.00	.0253	-.0215	-.0647	-.0808	-.0946	-.1343	-.1431	-.1468	-.1550	-.1564	-.1593	-.1587	90.00
112.50	.2362	.1738	.1150	.0911	.0779	.0015	-.0056	-.0138	-.0208	-.0279	-.0303	-.0317	112.50
135.00	.4822	.4079	.3350	.3091	.2832	.1682	.1682	.1592	.1486	.1435	.1371		135.00
157.50	.6826	.6000	.5222	.4847	.4572	.3159	.3164	.3057	.2947	.2924	.2800	.2795	157.50
180.00	.7641	.6788	.6014	.5589	.5324	.3709	.3746		.3537	.3515	.3394	.3414	180.00
202.50	.6817	.5995	.5247	.4867	.4589	.3086	.3121	.3057	.2896	.2877	.2780	.2787	202.50
225.00	.4822	.4069	.3379	.3066	.2856	.1651	.1618	.1542	.1413	.1368	.1310	.1331	225.00
247.50	.2348	.1697	.1205	.0915	.0792	.0003	-.0083	-.0160	-.0246	-.0298	-.0320	-.0340	247.50
270.00	.0279	-.0224	-.0579	-.0791	-.0904	-.1346	-.1411	-.1436	-.1507	-.1559	-.1582	-.1548	270.00
292.50	-.1089	-.1442	-.1699	-.1745	-.1666	-.1807	-.1702	-.1647	-.1626	-.1543	-.1528	-.1482	292.50
315.00	-.1590	-.1658	-.1670	-.1646	-.1613	-.1814	-.1714	-.1672	-.1597	-.1558	-.1580	-.1555	315.00
337.50		-.1823	-.1739	-.1712	-.1709	-.1922	-.1787	-.1789	-.1738	-.1649	-.1672	-.1614	337.50

TABLE III.- Continued

(b) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0711	-.1000	-.1357	-.1315	-.1348	-.1679	-.1792	-.1401	-.1547	-.1490	-.1502	-.1967	0.00
22.50	-.1793	-.1832	-.1802	-.1760	-.1820	-.1985	-.1867	-.1844	-.1427	-.1820	-.1804	-.1740	22.50
45.00	-.1853	-.1797	-.1752	-.1711	-.1711	-.1930	-.1847	-.1801	-.1728	-.1699	-.1666	-.1610	45.00
67.50	-.1289	-.1610	-.1836	-.1833	-.1824	-.1984	-.1852	-.1794	-.1747	-.1665	-.1634	-.1514	67.50
90.00	.0181	-.0247	-.0652	-.0780	-.0920	-.1295	-.1378	-.1441	-.1509	-.1500	-.1493	-.1509	90.00
112.50	.2584	.1984	.1405	.1219	.1070	.0276	.0185	.0137	.0011	-.0025	-.0020	-.0018	112.50
135.00	.5463	.4716	.3972	.3695	.3464	.2231	.2250	.2157	.2023	.2001	.1934	.1750	135.00
157.50	.7886	.7036	.6210	.5809	.5579	.3993	.4036	.3907	.3803	.3783	.3657	.3671	157.50
180.00	.8900	.8016	.7182	.6716	.6508	.4697	.4760	.4617	.4481	.4481	.4398	.4404	180.00
202.50	.7920	.7071	.6286	.5860	.5630	.3948	.4009	.3826	.3756	.3736	.3643	.3657	202.50
225.00	.5472	.4726	.4020	.3697	.3512	.2203	.2192	.2105	.1964	.1927	.1866	.1912	225.00
247.50	.2586	.1955	.1466	.1227	.1172	.0247	.0154	.0089	.0006	-.0037	-.0052	-.0048	247.50
270.00	.0231	-.0230	-.0558	-.0758	-.0842	-.1261	-.1309	-.1422	-.1424	-.1464	-.1507	-.1478	270.00
292.50	-.1255	-.1547	-.1764	-.1867	-.1853	-.1914	-.1822	-.1776	-.1716	-.1632	-.1653	-.1553	292.50
315.00	-.1798	-.1784	-.1753	-.1753	-.1763	-.1909	-.1832	-.1795	-.1703	-.1669	-.1687	-.1627	315.00
337.50	-.1874	-.1823	-.1830	-.1830	-.1826	-.1997	-.1959	-.1846	-.1839	-.1789	-.1839	-.1791	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0971	-.1344	-.1493	-.1474	-.1474	-.1754	-.1912	-.1685	-.1749	-.1722	-.1764	-.1786	0.00
22.50	-.1960	-.1942	-.1974	-.1837	-.1914	-.2070	-.1930	-.1893	-.1913	-.1895	-.1862	-.1824	22.50
45.00	-.1970	-.1865	-.1845	-.1810	-.1810	-.2015	-.1919	-.1910	-.1813	-.1744	-.1768	-.1680	45.00
67.50	-.1425	-.1692	-.1885	-.1899	-.1936	-.2093	-.1939	-.1911	-.1815	-.1749	-.1733	-.1576	67.50
90.00	.0138	-.0244	-.0629	-.0717	-.0852	-.1251	-.1248	-.1367	-.1410	-.1411	-.1420	-.1421	90.00
112.50	.2814	.2253	.1664	.1494	.1333	.0534	.0505	.0379	.0279	.0311	.0286	.0321	112.50
135.00	.6122	.5379	.4639	.4350	.4137	.2816	.2880	.2739	.2602	.2626	.2576	.2570	135.00
157.50	.8972	.8108	.7268	.6831	.6651	.4907	.4975	.4890	.4742	.4716	.4655	.4670	157.50
180.00	1.0133	.9232	.8361	.7883	.7720	.5732	.5828	.5687	.5531	.5515	.5515	.5514	180.00
202.50	.8999	.8126	.7304	.6869	.6687	.4840	.4927	.4825	.4691	.4668	.4595	.4617	202.50
225.00	.6147	.5392	.4669	.4338	.4192	.2776	.2810	.2692	.2571	.2558	.2488	.2567	225.00
247.50	.2810	.2212	.1720	.1491	.1358	.0514	.0455	.0353	.0321	.0269	.0246	.0276	247.50
270.00	.0185	-.0237	-.0527	-.0727	-.0786	-.1213	-.1267	-.1373	-.1357	-.1387	-.1415	-.1368	270.00
292.50	-.1388	-.1623	-.1802	-.1931	-.1972	-.2024	-.1907	-.1871	-.1793	-.1741	-.1743	-.1604	292.50
315.00	-.1917	-.1852	-.1841	-.1874	-.1873	-.2001	-.1920	-.1899	-.1830	-.1779	-.1781	-.1646	315.00
337.50	-.1973	-.1893	-.1908	-.1908	-.1917	-.2083	-.1925	-.1909	-.1834	-.1875	-.1880	-.1819	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1280	-.1564	-.1559	-.1568	-.1621	-.1858	-.1976	-.1854	-.1870	-.1895	-.1911	-.1893	0.00
22.50	-.2029	-.2014	-.1959	-.1916	-.2011	-.2175	-.2012	-.1997	-.1963	-.1943	-.1932	-.1844	22.50
45.00	-.2040	-.1929	-.1951	-.1884	-.1914	-.2181	-.1981	-.1965	-.1905	-.1877	-.1872	-.1692	45.00
67.50	-.1525	-.1759	-.1920	-.1909	-.1973	-.2155	-.2045	-.1997	-.1895	-.1892	-.1832	-.1676	67.50
90.00	.0118	-.0234	-.0579	-.0655	-.0788	-.1182	-.1243	-.1266	-.1307	-.1302	-.1308	-.1326	90.00
112.50	.3051	.2507	.1923	.1787	.1618	.0791	.0754	.0659	.0632	.0631	.0634	.0633	112.50
135.00	.6898	.6075	.5317	.5047	.4831	.3411	.3442	.3384	.3330	.3367	.3330	.3350	135.00
157.50	1.0069	.9221	.8343	.7942	.7748	.5972	.5994	.5825	.5691	.5682	.5803	.5778	157.50
180.00	1.1439	1.0548	.9647	.9165	.8994	.6820	.7035	.6881	.6827	.6818	.6849	.6800	180.00
202.50	1.0146	.9277	.8427	.7986	.7819	.5812	.5963	.5881	.5777	.5774	.5735	.5736	202.50
225.00	.6856	.6105	.5383	.5072	.4936	.3394	.3483	.3392	.3277	.3274	.3215	.3307	225.00
247.50	.3060	.2476	.2018	.1798	.1673	.0747	.0773	.0687	.0615	.0612	.0573	.0604	247.50
270.00	.0188	-.0193	-.0459	-.0617	-.0703	-.1150	-.1190	-.1210	-.1243	-.1227	-.1306	-.1238	270.00
292.50	-.1474	-.1671	-.1813	-.1929	-.2000	-.2089	-.1999	-.1952	-.1864	-.1852	-.1801	-.1635	292.50
315.00	-.1983	-.1906	-.1940	-.1946	-.1951	-.2074	-.1976	-.1951	-.1862	-.1846	-.1867	-.1639	315.00
337.50	-.2038	-.1977	-.1999	-.1999	-.2007	-.2150	-.2014	-.2000	-.1954	-.1920	-.1932	-.1811	337.50

TABLE III.- Continued

(b) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.75	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1563	-.1691	-.1656	-.1652	-.1741	-.1945	-.1880	-.1997	-.1967	-.1974	-.1962	-.1884	0.00
22.50	-.2092	-.2081	-.2026	-.1983	-.2047	-.2165	-.2075	-.2021	-.2012	-.2003	-.1981	-.1725	22.50
45.00	-.2096	-.1995	-.2033	-.1945	-.2047	-.2125	-.2042	-.2001	-.1979	-.1970	-.1935	-.1663	45.00
67.50	-.1607	-.1802	-.1944	-.1933	-.1960	-.2174	-.2125	-.2079	-.2016	-.2009	-.1909	-.1731	67.50
90.00	-.0092	-.0212	-.0521	-.0600	-.0726	-.1135	-.1128	-.1181	-.1221	-.1208	-.1196	-.1196	90.00
112.50	.2244	.2740	.2199	.2067	.1893	.1031	.1054	.1003	.0940	.0987	.0962	.1007	112.50
135.00	.7417	.6727	.5960	.5498	.5169	.4005	.4135	.4090	.4094	.4096	.4034	.135.00	
157.50	1.1089	1.0247	.9417	.9000	.8799	.6861	.6972	.6880	.6947	.6936	.6867	.6835	157.50
180.00	1.2642	1.1793	1.0859	1.0411	1.0227	.8024	.8149	.8062	.8082	.8045	.8022	.8034	180.00
202.50	1.1177	1.0360	.9512	.9076	.8890	.6803	.6968	.6925	.6886	.6875	.6823	.6792	202.50
225.00	.7563	.6787	.6006	.5761	.5649	.4020	.4108	.4053	.3988	.4002	.3943	.4001	225.00
247.50	.3286	.2736	.2334	.2125	.2020	.1037	.1023	.0985	.0928	.0950	.0930	.0960	247.50
270.00	.0175	-.0176	-.0389	-.0553	-.0601	-.1076	-.1078	-.1117	-.1139	-.1176	-.1196	-.1145	270.00
292.50	-.1543	-.1711	-.1821	-.1949	-.1972	-.2162	-.2094	-.2029	-.1947	-.1933	-.1859	-.1681	292.50
315.00	-.2642	-.1974	-.2014	-.2013	-.2006	-.2115	-.2026	-.2004	-.1974	-.1936	-.1910	-.1645	315.00
337.50		-.2098	-.2045	-.2050	-.2051	-.2187	-.2094	-.2024	-.2021	-.1967	-.1972	-.1720	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1751	-.1766	-.1737	-.1777	-.1893	-.2024	-.2005	-.2073	-.2055	-.2011	-.1921	-.1617	0.00
22.50	-.2144	-.2129	-.2070	-.2030	-.2102	-.2220	-.2098	-.2090	-.2066	-.1996	-.1869	-.1629	22.50
45.00	-.2152	-.2068	-.2099	-.2002	-.2062	-.2188	-.2119	-.2050	-.2035	-.1925	-.1843	-.1705	45.00
67.50	-.1680	-.1851	-.1963	-.1944	-.1964	-.2198	-.2166	-.2147	-.2131	-.1942	-.1851	-.1809	67.50
90.00	-.0661	-.0201	-.0485	-.0559	-.0670	-.1073	-.1035	-.1091	-.1127	-.1077	-.1075	-.1089	90.00
112.50	.3416	.2540	.2458	.2328	.2132	.1333	.1464	.1321	.1273	.1355	.1326	.1354	112.50
135.00	.7986	.7325	.6612	.6328	.6114	.4672	.4856	.4798	.4805	.4812	.4785	.135.00	
157.50	1.2032	1.1288	1.0449	1.0047	.9795	.7971	.8035	.7945	.8002	.7982	.7932	.7937	157.50
180.00	1.3724	1.2924	1.2078	1.1625	1.1410	.9348	.9378	.9343	.9277	.9256	.9291	.180.00	
202.50	1.2131	1.1372	1.0563	1.0157	.9956	.7966	.8028	.8018	.7953	.7927	.7877	.7864	202.50
225.00	.8107	.7428	.6754	.6452	.6348	.4739	.4783	.4751	.4669	.4767	.4687	.4724	225.00
247.50	.4474	.3989	.3596	.3415	.3287	.1329	.1339	.1301	.1223	.1285	.1261	.1314	247.50
270.00	.0159	-.0111	-.0346	-.0486	-.0543	-.1007	-.1003	-.1039	-.1064	-.1089	-.1085	-.1039	270.00
292.50	-.1607	-.1738	-.1833	-.1946	-.1983	-.2097	-.2127	-.2066	-.2038	-.1897	-.1841	-.1732	292.50
315.00	-.2697	-.2047	-.2063	-.2070	-.2068	-.2161	-.2113	-.2046	-.2035	-.1904	-.1854	-.1680	315.00
337.50		-.2149	-.2095	-.2105	-.2110	-.2218	-.2109	-.2083	-.2064	-.1974	-.1878	-.1624	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1872	-.1833	-.1826	-.1858	-.1980	-.2019	-.1985	-.1969	-.1958	-.1857	-.1644	-.1468	0.00
22.50	-.2194	-.2171	-.2129	-.2067	-.2143	-.2210	-.2106	-.2084	-.2039	-.1856	-.1707	-.1468	22.50
45.00	-.2204	-.2134	-.2155	-.2025	-.2075	-.2179	-.2116	-.2051	-.2027	-.1853	-.1667	-.1467	45.00
67.50	-.1747	-.1892	-.1991	-.1948	-.1987	-.2150	-.2159	-.2013	-.1974	-.1892	-.1602	-.1472	67.50
90.00	-.0667	-.0202	-.0480	-.0503	-.0628	-.0930	-.0943	-.0994	-.1019	-.0976	-.0970	-.0982	90.00
112.50	.3497	.3102	.2643	.2578	.2348	.1737	.1684	.1634	.1614	.1678	.1640	.1657	112.50
135.00	.8434	.7854	.7168	.6921	.6637	.5470	.5537	.5499	.5538	.5522	.5458	.135.00	
157.50	1.2839	1.2168	1.1382	1.1009	1.0595	.9212	.9154	.9082	.9142	.9109	.9016	.9028	157.50
180.00	1.4679	1.3945	1.3157	1.2726	1.2306	1.0694	1.0639	1.0544	1.0489	1.0438	1.0487	1.0487	180.00
202.50	1.2959	1.2277	1.1518	1.1133	1.0740	.9185	.9129	.9103	.8997	.8976	.8888	.8909	202.50
225.00	.8604	.7961	.7355	.7071	.6837	.5484	.5456	.5438	.5400	.5390	.5313	.5340	225.00
247.50	.4295	.3851	.3429	.3274	.3166	.1689	.1622	.1611	.1545	.1626	.1572	.1600	247.50
270.00	.0176	-.0136	-.0292	-.0418	-.0513	-.0995	-.0928	-.0916	-.0962	-.0962	-.0962	-.0923	270.00
292.50	-.1663	-.1764	-.1836	-.1947	-.1994	-.2071	-.2123	-.2074	-.2067	-.1800	-.1552	-.1384	292.50
315.00	-.2153	-.2109	-.2129	-.2100	-.2111	-.2167	-.2103	-.1937	-.1979	-.1828	-.1624	-.1424	315.00
337.50		-.2147	-.2146	-.2152	-.2147	-.2240	-.2114	-.1966	-.1974	-.1848	-.1680	-.1435	337.50

TABLE III.- Continued

(b) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L *												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1951	-.1840	-.1810	-.1936	-.2035	-.2020	-.2000	-.1939	-.1839	-.1734	-.1699	-.1560	0.00
22.50	-.2241	-.2213	-.2125	-.2093	-.2172	-.2130	-.2021	-.1917	-.1819	-.1730	-.1698	-.1571	22.50
45.00	-.2254	-.2181	-.2148	-.2042	-.2082	-.2082	-.2020	-.1913	-.1810	-.1725	-.1663	-.1587	45.00
67.50	-.1806	-.1922	-.1967	-.1948	-.2000	-.2130	-.2120	-.1975	-.1842	-.1743	-.1637	-.1581	67.50
90.00	-.0036	-.0213	-.0413	-.0449	-.0625	-.0814	-.0860	-.0910	-.0925	-.0866	-.0867	-.0864	90.00
112.50	.3584	.3236	.2890	.2611	.2465	.2070	.2025	.1947	.1909	.2000	.1931	.1983	112.50
135.00	.8836	.8304	.7693	.7471	.7029	.6173	.6252	.6229	.6226	.6201	.6147	.6147	135.00
157.50	1.3548	1.2912	1.2267	1.1880	1.1282	1.0323	1.0275	1.0207	1.0229	1.0177	1.0063	1.0119	157.50
180.00	1.5559	1.4875	1.4195	1.3792	1.3136	1.1928	1.1875	1.1801	1.1801	1.1727	1.1636	1.1603	180.00
202.50	1.3739	1.3113	1.2468	1.2051	1.1423	1.0246	1.0190	1.0177	1.0108	1.0091	.9978	1.0010	202.50
225.00	.9094	.8522	.7920	.7653	.7247	.6171	.6127	.6087	.6065	.6069	.6024	.6065	225.00
247.50	.3751	.3335	.3055	.2883	.2597	.2028	.1945	.1903	.1851	.1929	.1894	.1949	247.50
270.00	.0121	-.0128	-.0256	-.0385	-.0516	-.0773	-.0831	-.0859	-.0853	-.0861	-.0859	-.0812	270.00
292.50	-.1700	-.1789	-.1846	-.1952	-.2014	-.2050	-.2063	-.1927	-.1771	-.1697	-.1624	-.1546	292.50
315.00	-.2202	-.2169	-.2173	-.2126	-.2120	-.2074	-.2016	-.1919	-.1805	-.1699	-.1662	-.1607	315.00
337.50	-.2249	-.2179	-.2186	-.2182	-.2158	-.2020	-.1923	-.1813	-.1708	-.1689	-.1692	-.1592	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L *												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1968	-.1909	-.1915	-.1978	-.1932	-.1909	-.1832	-.1804	-.1771	-.1743	-.1561	-.1715	0.00
22.50	-.2275	-.2274	-.2150	-.2088	-.2008	-.2031	-.1878	-.1775	-.1749	-.1735	-.1610	-.1683	22.50
45.00	-.2296	-.2213	-.2261	-.2023	-.2059	-.2059	-.1873	-.1777	-.1744	-.1653	-.1597	-.1632	45.00
67.50	-.1832	-.1929	-.1998	-.1954	-.2008	-.2127	-.1941	-.1800	-.1774	-.1669	-.1570	-.1593	67.50
90.00	-.0028	-.0184	-.0378	-.0419	-.0623	-.0736	-.0783	-.0812	-.0813	-.0713	-.0754	-.0804	90.00
112.50	.3719	.3434	.3112	.3015	.2602	.2359	.2290	.2240	.2203	.2332	.2245	.2203	112.50
135.00	.9226	.8810	.8267	.8008	.7470	.6822	.6873	.6847	.6866	.6828	.6783	.6783	135.00
157.50	1.4147	1.3623	1.3048	1.2693	1.2035	1.1349	1.1266	1.1151	1.1165	1.1102	1.0996	1.0881	157.50
180.00	1.6200	1.5590	1.5055	1.4693	1.4040	1.3077	1.3077	1.2869	1.2869	1.2806	1.2741	1.2475	180.00
202.50	1.4309	1.3720	1.3113	1.2786	1.2143	1.1238	1.1186	1.1155	1.1049	1.1028	1.0945	1.0774	202.50
225.00	.9416	.8892	.8367	.8097	.7653	.6793	.6711	.6718	.6712	.6711	.6683	.6556	225.00
247.50	.3818	.3454	.3217	.3048	.2694	.2328	.2183	.2192	.2166	.2215	.2235	.2195	247.50
270.00	.0094	-.0117	-.0230	-.0347	-.0517	-.0679	-.0771	-.0770	-.0747	-.0734	-.0737	-.0725	270.00
292.50	-.1735	-.1800	-.1853	-.1958	-.2025	-.2031	-.1864	-.1751	-.1712	-.1643	-.1551	-.1519	292.50
315.00	-.2238	-.2175	-.2153	-.2086	-.2008	-.2027	-.1862	-.1775	-.1743	-.1671	-.1587	-.1561	315.00
337.50	-.2275	-.2195	-.2181	-.2181	-.2012	-.2029	-.1870	-.1779	-.1747	-.1679	-.1606	-.1635	337.50

TABLE III.- Continued

(c) $M_{\infty} = 2.96$

ALPHA = -4.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L = .475	.575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.1470	.1096	.0824	.0697	.0579	.0072	-.0034	-.0056	-.0067	-.0063	-.0050	-.0036	0.00
22.50	.1424	.1046	.0777	.0655	.0544	-.0013	-.0021	-.0007	-.0025	-.0024	-.0021	-.0016	22.50
45.00	.1300	.0938	.0684	.0570	.0460	-.0081	-.0084	-.0060	-.0041	-.0037	-.0043	-.0051	45.00
67.50	.1147	.0783	.0523	.0440	.0363	-.0172	-.0166	-.0148	-.0130	-.0118	-.0124	-.0129	67.50
90.00	.0967	.0623	.0369	.0309	.0226	-.0265	-.0241	-.0214	-.0186	-.0177	-.0177	-.0171	90.00
112.50	.0794	.0479	.0242	.0199	.0129	-.0315	-.0284	-.0234	-.0210	-.0181	-.0174	-.0150	112.50
135.00	.0668	.0377	.0167	.0142	.0071	-.0342	-.0278	-.0224	-.0187	-.0169	-.0164	-.0144	135.00
157.50	.0584	.0218	.0126	.0108	.0038	-.0324	-.0258	-.0204	-.0171	-.0158	-.0151	-.0131	157.50
180.00	.0546	.0299	.0134	.0110	.0033	-.0292	-.0242	-.0194	-.0167	-.0156	-.0151	-.0136	180.00
202.50	.0564	.0312	.0135	.0095	.0044	-.0316	-.0251	-.0201	-.0170	-.0161	-.0152	-.0132	202.50
225.00	.0633	.0351	.0158	.0105	.0069	-.0337	-.0268	-.0215	-.0173	-.0167	-.0160	-.0140	225.00
247.50	.0754	.0433	.0216	.0153	.0120	-.0331	-.0278	-.0221	-.0170	-.0169	-.0161	-.0141	247.50
270.00	.0911	.0569	.0326	.0251	.0209	-.0276	-.0249	-.0222	-.0195	-.0182	-.0177	-.0157	270.00
292.50	.1109	.0744	.0463	.0388	.0333	-.0184	-.0178	-.0163	-.0147	-.0146	-.0136	-.0132	292.50
315.00	.1293	.0909	.0646	.0522	.0447	-.0107	-.0093	-.0077	-.0062	-.0057	-.0059	-.0061	315.00
337.50		.1036	.0766	.0627	.0536	-.0044	-.0026	-.0003	-.0008	-.0036	-.0014	-.0002	337.50

ALPHA = 0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L = .475	.575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.1013	.0693	.0438	.0355	.0247	-.0186	-.0155	-.0113	-.0074	-.0056	-.0046	-.0027	0.00
22.50	.0996	.0662	.0402	.0335	.0229	-.0244	-.0191	-.0137	-.0086	-.0062	-.0052	-.0034	22.50
45.00	.1004	.0672	.0422	.0348	.0240	-.0242	-.0191	-.0137	-.0087	-.0061	-.0053	-.0034	45.00
67.50	.1021	.0671	.0419	.0349	.0279	-.0234	-.0183	-.0132	-.0086	-.0059	-.0054	-.0035	67.50
90.00	.1027	.0677	.0419	.0355	.0264	-.0232	-.0179	-.0127	-.0079	-.0054	-.0052	-.0034	90.00
112.50	.1023	.0674	.0416	.0352	.0265	-.0224	-.0175	-.0122	-.0079	-.0054	-.0046	-.0027	112.50
135.00	.1027	.0671	.0416	.0352	.0265	-.0224	-.0171	-.0120	-.0076	-.0051	-.0042	-.0023	135.00
157.50	.1018	.0663	.0413	.0329	.0259	-.0223	-.0171	-.0121	-.0076	-.0053	-.0043	-.0023	157.50
180.00	.1002	.0659	.0421	.0326	.0260	-.0219	-.0170	-.0120	-.0077	-.0050	-.0029	-.0023	180.00
202.50	.0990	.0655	.0401	.0307	.0256	-.0223	-.0166	-.0114	-.0075	-.0050	-.0031	-.0023	202.50
225.00	.0986	.0638	.0398	.0307	.0254	-.0221	-.0165	-.0114	-.0076	-.0050	-.0032	-.0020	225.00
247.50	.0986	.0630	.0393	.0306	.0256	-.0220	-.0169	-.0119	-.0080	-.0054	-.0039	-.0026	247.50
270.00	.0976	.0631	.0393	.0303	.0257	-.0227	-.0177	-.0127	-.0082	-.0057	-.0042	-.0026	270.00
292.50	.0987	.0643	.0412	.0302	.0259	-.0230	-.0185	-.0133	-.0090	-.0063	-.0051	-.0027	292.50
315.00	.0996	.0649	.0404	.0295	.0239	-.0237	-.0189	-.0133	-.0093	-.0069	-.0050	-.0023	315.00
337.50		.0657	.0403	.0294	.0228	-.0248	-.0191	-.0135	-.0094	-.0070	-.0047	-.0024	337.50

ALPHA = 4.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L = .475	.575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.0589	.0339	.0181	.0142	.0039	-.0245	-.0244	-.0173	-.0087	-.0024	-.0008	-.0003	0.00
22.50	.0562	.0305	.0133	.0113	.0015	-.0340	-.0289	-.0217	-.0141	-.0064	-.0031	-.0013	22.50
45.00	.0644	.0361	.0163	.0124		-.0376	-.0313	-.0264	-.0230	-.0152	-.0107	-.0080	45.00
67.50	.0805	.0471	.0231	.0169	.011	-.0369	-.0319	-.0281	-.0256	-.0235	-.0222	-.0209	67.50
90.00	.0998	.0638	.0350	.0270	.0173	-.0313	-.0282	-.0252	-.0230	-.0226	-.0229	-.0223	90.00
112.50	.1213	.0824	.0512	.0414	.0308	-.0219	-.0193	-.0164	-.0152	-.0145	-.0156	-.0149	112.50
135.00	.1424	.1036	.0672	.0541	.0454	-.0116	-.0091	-.0063	-.0044	-.0041	-.0026	-.0026	135.00
157.50	.1565	.1131	.0785	.0644	.0552	-.0038	-.0013	-.0016	-.0036	-.0043	-.0032	-.0038	157.50
180.00	.1601	.1178	.0835	.0677	.0596	-.0005	-.0018		-.0063	-.0075	-.0069	-.0068	180.00
202.50	.1538	.1125	.0778	.0618	.0548	-.0044	-.0010	-.0010	-.0027	-.0045	-.0028	-.0035	202.50
225.00	.1396	.0998	.0664	.0511	.0445	-.0115	-.0090	-.0064	-.0053	-.0034	-.0064	-.0049	225.00
247.50	.1196	.0798	.0505	.0370	.0304	-.0212	-.0193	-.0167	-.0158	-.0137	-.0164	-.0149	247.50
270.00	.0972	.0615	.0346	.0227	.0178	-.0311	-.0278	-.0247	-.0233	-.0203	-.0229	-.0190	270.00
292.50	.0788	.0468	.0223	.0126	.0090	-.0357	-.0319	-.0277	-.0258	-.0210	-.0221	-.0191	292.50
315.00	.0654	.0365	.0155	.0078	.0043	-.0374	-.0309	-.0267	-.0236	-.0116	-.0098	-.0067	315.00
337.50		.0307	.0135	.0069	.0017	-.0352	-.0288	-.0232	-.0145	-.0024	-.0026	-.0007	337.50

TABLE III.- Continued

(c) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0252	.0113	.0025	.0000	-.0040	-.0306	-.0261	-.0160	-.0090	-.0037	-.0030	-.0038	0.00
22.50	.0224	.0041	-.0071	-.0073	-.0198	-.0474	-.0373	-.0243	-.0168	-.0169	-.0162	-.0164	22.50
45.00	.0317	.0067	-.0106	-.0118		-.0586	-.0551	-.0526	-.0379	-.0280	-.0242	-.0238	45.00
67.50	.0563	.0221	-.0040	-.0110	-.0181	-.0620	-.0611	-.0615	-.0618	-.0606	-.0599	-.0555	67.50
90.00	.0931	.0542	-.0205	.0105	-.0032	-.0482	-.0522	-.0550	-.0591	-.0630	-.0660	-.0649	90.00
112.50	.1391	.0954	.0580	.0451	.0315	-.0230	-.0257	-.0272	-.0310	-.0332	-.0358	-.0370	112.50
135.00	.1858	.1382	.0971	.0821	.0682	.0039	.0034	.0029	.0017	.0001	.0006		135.00
157.50	.2195	.1691	.1263	.1079	.0944	.0245	.0259	.0255	.0259	.0258	.0235	.0216	157.50
180.00	.2308	.1811	.1368	.1185	.1054	.0327	.0346		.0345	.0353	.0333	.0317	180.00
202.50	.2176	.1690	.1265	.1063	.0945	.0245	.0262	.0259	.0252	.0257	.0227	.0214	202.50
225.00	.1843	.1375	.0975	.0782	.0682	.0046	.0037	.0035	.0008	.0001	-.0040	-.0039	225.00
247.50	.1389	.0942	.0587	.0418	.0317	-.0216	-.0256	-.0268	-.0309	-.0327	-.0372	-.0374	247.50
270.00	.0923	.0529	.0218	.0071	-.0022	-.0474	-.0515	-.0544	-.0587	-.0603	-.0660	-.0497	270.00
292.50	.0559	.0228	-.0039	-.0149	-.0213	-.0606	-.0613	-.0615	-.0632	-.0578	-.0604	-.0483	292.50
315.00	.0336	.0072	-.0110	-.0162	-.0228	-.0596	-.0556	-.0533	-.0384	-.0250	-.0242	-.0229	315.00
337.50		.0045	-.0075	-.0122	-.0197	-.0490	-.0368	-.0249	-.0178	-.0117	-.0148	-.0151	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0024	-.0060	-.0070	-.0034	-.0686	-.0340	-.0332	-.0245	-.0204	-.0187	-.0184	-.0218	0.00
22.50	-.0053	-.0180	-.0301	-.0372	-.0485	-.0681	-.0662	-.0670	-.0736	-.0851	-.0857	-.0842	22.50
45.00	-.0014	-.0249	-.0361	-.0369		-.0773	-.0816	-.0779	-.0761	-.0744	-.0734	-.0760	45.00
67.50	.0287	-.0077	-.0377	-.0457	-.0544	-.0916	-.0861	-.0821	-.0758	-.0680	-.0641	-.0628	67.50
90.00	.0832	.0421	.0037	-.0082	-.0246	-.0670	-.0714	-.0773	-.0814	-.0781	-.0735	-.0707	90.00
112.50	.1576	.1100	.0670	.0513	.0350	-.0211	-.0253	-.0294	-.0354	-.0368	-.0385	-.0409	112.50
135.00	.2364	.1823	.1342	.1156	.1001	.0271	.0247	.0229	.0192	.0177	.0179		135.00
157.50	.2967	.2370	.1867	.1632	.1484	.0657	.0639	.0622	.0611	.0612	.0588	.0560	157.50
180.00	.3185	.2594	.2088	.1834	.1694	.0807	.0791		.0760	.0771	.0749	.0731	180.00
202.50	.2956	.2378	.1875	.1635	.1495	.0653	.0640	.0628	.0600	.0604	.0573	.0558	202.50
225.00	.2364	.1824	.1359	.1134	.1007	.0282	.0250	.0230	.0188	.0168	.0130	.0133	225.00
247.50	.1588	.1092	.0699	.0496	.0364	-.0186	-.0242	-.0287	-.0330	-.0359	-.0400	-.0406	247.50
270.00	.0845	.0417	.0076	-.0105	-.0221	-.0649	-.0706	-.0758	-.0796	-.0736	-.0709	-.0563	270.00
292.50	.0295	-.0061	-.0363	-.0507	-.0607	-.0907	-.0864	-.0818	-.0763	-.0650	-.0641	-.0576	292.50
315.00	.0012	-.0246	-.0364	-.0426	-.0527	-.0801	-.0835	-.0787	-.0777	-.0701	-.0731	-.0731	315.00
337.50		-.0186	-.0316	-.0432	-.0480	-.0699	-.0652	-.0665	-.0745	-.0768	-.0845	-.0844	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0142	-.0165	-.0110	-.0157	-.0253	-.0487	-.0564	-.0526	-.0569	-.0559	-.0599	-.0609	0.00
22.50	-.0272	-.0404	-.0651	-.0731	-.0792	-.0932	-.0981	-.1016	-.0923	-.0884	-.0885	-.0747	22.50
45.00	-.0321	-.0523	-.0652	-.0666		-.0977	-.0947	-.0913	-.0847	-.0801	-.0808	-.0760	45.00
67.50	.0034	-.0342	-.0663	-.0739	-.0836	-.1054	-.0932	-.0899	-.0849	-.0778	-.0796	-.0740	67.50
90.00	.0748	.0319	-.0076	-.0197	-.0363	-.0736	-.0775	-.0840	-.0881	-.0877	-.0920	-.0839	90.00
112.50	.1772	.1257	.0797	.0621	.0458	-.0118	-.0149	-.0208	-.0264	-.0296	-.0290	-.0337	112.50
135.00	.2916	.2318	.1786	.1554	.1384	.0567	.0562	.0527	.0481	.0458	.0458		135.00
157.50	.3822	.3154	.2565	.2287	.2125	.1143	.1147	.1113	.1091	.1075	.1050	.1005	157.50
180.00	.4158	.3487	.2878	.2602	.2436	.1369	.1373		.1323	.1306	.1287	.1251	180.00
202.50	.3805	.3149	.2571	.2300	.2139	.1135	.1141	.1108	.1073	.1065	.1026	.1001	202.50
225.00	.2911	.2311	.1808	.1548	.1408	.0587	.0559	.0523	.0473	.0451	.0410	.0406	225.00
247.50	.1781	.1251	.0846	.0622	.0491	-.0082	-.0141	-.0188	-.0244	-.0275	-.0298	-.0317	247.50
270.00	.0764	.0326	-.0008	-.0204	-.0322	-.0699	-.0771	-.0820	-.0857	-.0836	-.0872	-.0627	270.00
292.50	.0043	-.0317	-.0622	-.0780	-.0915	-.1018	-.0935	-.0899	-.0856	-.0752	-.0785	-.0641	292.50
315.00	-.0291	-.0515	-.0642	-.0713	-.0799	-.0984	-.0953	-.0905	-.0848	-.0773	-.0821	-.0739	315.00
337.50		-.0416	-.0677	-.0776	-.0802	-.0978	-.1009	-.1035	-.0944	-.0860	-.0891	-.0734	337.50

TABLE III.- Continued

(c) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0271	-.0186	-.0257	-.0374	-.0484	-.0714	-.0917	-.0753	-.0805	-.0766	-.0740	-.0739	0.00
22.50	-.0479	-.0481	-.0481	-.0441	-.0422	-.1061	-.1012	-.1010	-.0976	-.0935	-.0958	-.0836	22.50
45.00	-.0619	-.0768	-.0869	-.0817	-.0922	-.1063	-.1004	-.0990	-.0943	-.0906	-.0932	-.0873	45.00
67.50	-.0198	-.0559	-.0842	-.0861	-.0929	-.1135	-.1002	-.0970	-.0955	-.0923	-.0893	-.0863	67.50
90.00	.0681	.0261	-.0125	-.0204	-.0392	-.0738	-.0775	-.0837	-.0884	-.0902	-.0930	-.0938	90.00
112.50	.2000	.1471	.0989	.0825	.0657	.0056	.0008	.0064	-.0120	-.0123	-.0159	-.0177	112.50
135.00	.3528	.2887	.2293	.2072	.1888	.0978	.0958	.0902	.0650	.0831	.0815		135.00
157.50	.4772	.4052	.3356	.3091	.2890	.1778	.1766	.1714	.1664	.1658	.1631	.1593	157.50
180.00	.5243	.4521	.3808	.3533	.3326	.2092	.2077		.1983	.1983	.1959	.1931	180.00
202.50	.4752	.4045	.3382	.3120	.2909	.1757	.1752	.1712	.1647	.1648	.1607	.1583	202.50
225.00	.3526	.2884	.2340	.2074	.1926	.0991	.0947	.0903	.0837	.0814	.0777	.0775	225.00
247.50	.2011	.1465	.1067	.0829	.0695	.0088	.0015	-.0032	-.0081	-.0112	-.0156	-.0144	247.50
270.00	.0713	.0282	-.0024	-.0205	-.0315	-.0690	-.0756	-.0784	-.0829	-.0854	-.0900	-.0792	270.00
292.50	-.0177	-.0514	-.0774	-.0899	-.1010	-.1097	-.1003	-.0956	-.0955	-.0888	-.0882	-.0744	292.50
315.00	-.0582	-.0757	-.0852	-.0890	-.0955	-.1063	-.1002	-.0983	-.0949	-.0884	-.0923	-.0809	315.00
337.50		-.0717	-.0913	-.0916	-.0938	-.1102	-.1024	-.1019	-.0987	-.0916	-.0965	-.0811	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0319	-.0247	-.0462	-.0610	-.0693	-.0824	-.1013	-.0790	-.0941	-.0879	-.0870	-.0826	0.00
22.50	-.0699	-.0917	-.1006	-.0911	-.1006	-.1108	-.1095	-.1085	-.1054	-.1047	-.1055	-.0945	22.50
45.00	-.0861	-.0945	-.0975	-.0907	-.0907	-.1123	-.1081	-.1064	-.1047	-.1031	-.1021	-.0939	45.00
67.50	-.0382	-.0709	-.0936	-.0941	-.0957	-.1184	-.1100	-.1065	-.1074	-.1012	-.1007	-.0944	67.50
90.00	.0634	.0231	-.0136	-.0194	-.0355	-.0719	-.0755	-.0824	-.0859	-.0866	-.0893	-.0901	90.00
112.50	.2237	.1703	.1209	.1046	.0890	.0266	.0199	.0092	.0074	.0047	.0028	.0029	112.50
135.00	.4172	.3501	.2855	.2624	.2443	.1428	.1417	.1357	.1301	.1268	.1262		135.00
157.50	.5795	.5020	.4273	.3965	.3745	.2483	.2482	.2408	.2356	.2345	.2312	.2262	157.50
180.00	.6420	.5645	.4896	.4550	.4323	.2914	.2915		.2760	.2780	.2740	.2712	180.00
202.50	.5772	.5026	.4326	.4015	.3791	.2477	.2471	.2415	.2333	.2339	.2302	.2260	202.50
225.00	.4173	.3514	.2922	.2638	.2503	.1461	.1398	.1349	.1291	.1247	.1229	.1216	225.00
247.50	.2252	.1712	.1314	.1061	.0940	.0295	.0205	.0146	.0112	.0060	.0071	.0088	247.50
270.00	.0681	.0270	-.0014	-.0198	-.0292	-.0645	-.0720	-.0739	-.0778	-.0817	-.0847	-.0817	270.00
292.50	-.0344	-.0636	-.0844	-.0976	-.1039	-.1142	-.1089	-.1043	-.1045	-.0977	-.0967	-.0866	292.50
315.00	-.0810	-.0923	-.0954	-.0989	-.1018	-.1127	-.1089	-.1063	-.1054	-.0990	-.1003	-.0879	315.00
337.50		-.0963	-.1033	-.1001	-.1028	-.1149	-.1105	-.1101	-.1072	-.1017	-.1045	-.0897	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0339	-.0476	-.0656	-.0758	-.0798	-.0901	-.1100	-.0949	-.1016	-.0968	-.1011	-.1038	0.00
22.50	-.0894	-.1032	-.1070	-.0972	-.1113	-.1185	-.1148	-.1141	-.1132	-.1123	-.1147	-.1030	22.50
45.00	-.1034	-.1047	-.1052	-.0972	-.1072	-.1204	-.1157	-.1139	-.1111	-.1085	-.1097	-.0979	45.00
67.50	-.0533	-.0809	-.0994	-.0968	-.1030	-.1245	-.1197	-.1157	-.1131	-.1075	-.1075	-.0971	67.50
90.00	.0597	.0227	-.0116	-.0171	-.0322	-.0668	-.0716	-.0756	-.0801	-.0806	-.0815	-.0826	90.00
112.50	.2486	.1973	.1493	.1319	.1152	.0483	.0393	.0352	.0268	.0323	.0286	.0264	112.50
135.00	.4832	.4159	.3475	.3255	.3052	.1941	.1931	.1873	.1817	.1778	.1792		135.00
157.50	.6861	.6066	.5283	.4958	.4710	.3306	.3300	.3204	.3129	.3145	.3128	.3096	157.50
180.00	.7666	.6870	.6081	.5710	.5447	.3856	.3857		.3656	.3708	.3684	.3674	180.00
202.50	.6851	.6094	.5353	.5014	.4761	.3295	.3281	.3218	.3100	.3141	.3111	.3090	202.50
225.00	.4853	.4193	.3551	.3283	.3123	.1977	.1913	.1871	.1795	.1764	.1754	.1756	225.00
247.50	.2517	.1988	.1591	.1324	.1167	.0536	.0451	.0305	.0326	.0322	.0325	.0271	247.50
270.00	.0668	.0285	.0019	-.0154	-.0247	-.0565	-.0665	-.0679	-.0704	-.0742	-.0788	-.0745	270.00
292.50	-.0472	-.0718	-.0896	-.1013	-.1097	-.1183	-.1181	-.1177	-.1093	-.1027	-.1029	-.0899	292.50
315.00	-.0978	-.1026	-.1035	-.1060	-.1116	-.1189	-.1161	-.1135	-.1112	-.1049	-.1070	-.0888	315.00
337.50		-.1068	-.1093	-.1068	-.1128	-.1213	-.1164	-.1157	-.1143	-.1089	-.1133	-.0995	337.50

TABLE III.- Continued

(c) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L *												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0432	-.0661	-.0754	-.0787	-.0869	-.0960	-.1174	-.1113	-.1127	-.1101	-.1125	-.1128	0.00
22.50	-.1023	-.1087	-.1111	-.1034	-.1152	-.1236	-.1199	-.1186	-.1181	-.1169	-.1167	-.1072	22.50
45.00	-.1144	-.1108	-.1119	-.1038	-.1088	-.1242	-.1201	-.1190	-.1155	-.1136	-.1130	-.1015	45.00
67.50	-.0649	-.0882	-.1038	-.0989	-.1031	-.1252	-.1244	-.1236	-.1195	-.1154	-.1124	-.1019	67.50
90.00	-.0577	-.0227	-.0068	-.0131	-.0269	-.0389	-.0672	-.0727	-.0747	-.0745	-.0735	-.0749	90.00
112.50	.2733	.2224	.1766	.1558	.1433	.0715	.0651	.0593	.0558	.0541	.0540	.0549	112.50
135.00	.5502	.4820	.4130	.3895	.3694	.2503	.2494	.2421	.2385	.2384	.2371	.2371	135.00
157.50	.7936	.7136	.6357	.5996	.5741	.4215	.4187	.4077	.4024	.4090	.4040	.4049	157.50
180.00	.8916	.8105	.7321	.6914	.6641	.4900	.4887	.4715	.4792	.4758	.4758	.4780	180.00
202.50	.7949	.7182	.6433	.6069	.5793	.4184	.4160	.4088	.3987	.4079	.4032	.4042	202.50
225.00	.5545	.4874	.4215	.3949	.3781	.2534	.2471	.2418	.2350	.2362	.2334	.2366	225.00
247.50	.2771	.2241	.1867	.1578	.1508	.0764	.0671	.0638	.0582	.0570	.0538	.0567	247.50
270.00	.0665	.0306	.0095	-.0095	-.0181	-.0524	-.0602	-.0622	-.0628	-.0660	-.0703	-.0659	270.00
292.50	-.0573	-.0781	-.0924	-.1032	-.1072	-.1187	-.1226	-.1189	-.1138	-.1094	-.1069	-.0958	292.50
315.00	-.1089	-.1090	-.1101	-.1126	-.1160	-.1226	-.1203	-.1184	-.1150	-.1091	-.1099	-.0929	315.00
337.50	-.1116	-.1135	-.1142	-.1168	-.1168	-.1254	-.1207	-.1189	-.1182	-.1128	-.1151	-.1022	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L *												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0627	-.0789	-.0817	-.0874	-.0983	-.1004	-.1188	-.1173	-.1167	-.1170	-.1240	-.1111	0.00
22.50	-.1108	-.1139	-.1162	-.1080	-.1246	-.1264	-.1236	-.1271	-.1211	-.1198	-.1242	-.1078	22.50
45.00	-.1207	-.1150	-.1171	-.1085	-.1088	-.1263	-.1233	-.1220	-.1197	-.1182	-.1205	-.1021	45.00
67.50	-.0732	-.0927	-.1059	-.1008	-.1076	-.1243	-.1251	-.1262	-.1252	-.1226	-.1221	-.1080	67.50
90.00	.0579	.0260	-.0034	-.0040	-.0221	-.0531	-.0589	-.0643	-.0668	-.0668	-.0645	-.0674	90.00
112.50	.2996	.2498	.2034	.1884	.1765	.1004	.0923	.0899	.0834	.0865	.0866	.0844	112.50
135.00	.6204	.5519	.4806	.4601	.4373	.3127	.3117	.3036	.3016	.3068	.3035	.3035	135.00
157.50	.9076	.8256	.7457	.7086	.6842	.5161	.5156	.5047	.5068	.5152	.5069	.5096	157.50
180.00	1.0278	.9428	.8634	.8184	.7967	.6021	.6010	.5930	.6019	.6019	.5953	.5987	180.00
202.50	.9113	.8316	.7566	.7173	.6932	.5132	.5144	.5080	.5030	.5147	.5066	.5099	202.50
225.00	.6264	.5573	.4910	.4661	.4480	.3142	.3090	.3035	.2980	.3015	.2990	.3050	225.00
247.50	.3050	.2521	.2159	.1935	.1791	.1005	.0938	.0903	.0858	.0884	.0854	.0869	247.50
270.00	.0676	.0343	.0128	-.0039	-.0100	-.0444	-.0464	-.0533	-.0552	-.0556	-.0599	-.0557	270.00
292.50	-.0646	-.0814	-.0941	-.1041	-.1125	-.1191	-.1231	-.1212	-.1190	-.1159	-.1168	-.0995	292.50
315.00	-.1149	-.1131	-.1150	-.1177	-.1237	-.1264	-.1233	-.1217	-.1197	-.1138	-.1174	-.0948	315.00
337.50	-.1162	-.1188	-.1188	-.1185	-.1260	-.1297	-.1247	-.1223	-.1218	-.1159	-.1221	-.1013	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L *												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0801	-.0859	-.0859	-.0923	-.1016	-.1050	-.1166	-.1224	-.1234	-.1222	-.1212	-.1089	0.00
22.50	-.1168	-.1182	-.1205	-.1108	-.1233	-.1294	-.1262	-.1245	-.1243	-.1231	-.1199	-.1057	22.50
45.00	-.1249	-.1192	-.1209	-.1112	-.1291	-.1291	-.1259	-.1242	-.1231	-.1216	-.1179	-.1067	45.00
67.50	-.0794	-.0959	-.1072	-.1002	-.1044	-.1252	-.1235	-.1277	-.1282	-.1263	-.1237	-.1118	67.50
90.00	.0575	.0295	.0024	.0012	-.0140	-.0464	-.0496	-.0538	-.0551	-.0534	-.0547	-.0574	90.00
112.50	.3215	.2735	.2300	.2155	.2016	.1260	.1251	.1137	.1105	.1178	.1188	.1214	112.50
135.00	.6848	.6189	.5483	.5272	.5041	.3710	.3777	.3705	.3681	.3756	.3739	.3739	135.00
157.50	1.0142	.9352	.8537	.8166	.7939	.6103	.6155	.6108	.6171	.6227	.6139	.6156	157.50
180.00	1.1553	1.0729	.9892	.9438	.9257	.7128	.7183	.7183	.7200	.7258	.7193	.7211	180.00
202.50	1.0206	.9431	.8650	.8258	.8040	.6110	.6148	.6153	.6128	.6239	.6135	.6172	202.50
225.00	.6929	.6263	.5589	.5329	.5173	.3740	.3744	.3694	.3653	.3750	.3677	.3776	225.00
247.50	.3282	.2781	.2425	.2216	.2108	.1290	.1261	.1197	.1223	.1202	.1198	.1262	247.50
270.00	.0689	.0393	.0192	.0039	-.0024	-.0381	-.0422	-.0428	-.0443	-.0475	-.0491	-.0422	270.00
292.50	-.0699	-.0837	-.0940	-.1041	-.1088	-.1182	-.1210	-.1204	-.1206	-.1198	-.1194	-.1032	292.50
315.00	-.1188	-.1173	-.1182	-.1207	-.1230	-.1276	-.1257	-.1236	-.1229	-.1171	-.1164	-.1027	315.00
337.50	-.1202	-.1233	-.1221	-.1238	-.1238	-.1315	-.1275	-.1246	-.1243	-.1189	-.1187	-.1020	337.50

TABLE III.- Continued

(c) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0907	-.0901	-.0818	-.0941	-.1078	-.1054	-.1219	-.1244	-.1262	-.1195	-.1150	-.1019	0.00
22.50	-.1209	-.1208	-.1209	-.1129	-.1304	-.1298	-.1273	-.1264	-.1266	-.1195	-.1154	-.1019	22.50
45.00	-.1279	-.1226	-.1231	-.1114	-.1304	-.1310	-.1276	-.1259	-.1248	-.1176	-.1154	-.1054	45.00
67.50	-.0841	-.0977	-.1074	-.0997	-.1076	-.1238	-.1224	-.1254	-.1271	-.1237	-.1209	-.1087	67.50
90.00	.0577	.0337	.0079	.0066	-.0067	-.0380	-.0406	-.0435	-.0472	-.0439	-.0420	-.0452	90.00
112.50	.3422	.2991	.2558	.2441	.2301	.1517	.1539	.1509	.1482	.1537	.1530	.1498	112.50
135.00	.7435	.6844	.6148	.5938	.5712	.4320	.4412	.4422	.4385	.4502	.4434	.4350	135.00
157.50	1.1164	1.0436	.9638	.9251	.9038	.7082	.7161	.7241	.7299	.7344	.7234	.7214	157.50
180.00	1.2761	1.1992	1.1174	1.0717	1.0538	.8229	.8371	.8521	.8526	.8526	.8470	.8424	180.00
202.50	1.1252	1.0509	.9744	.9347	.9146	.7069	.7172	.7280	.7275	.7334	.7230	.7228	202.50
225.00	.7539	.6902	.6264	.6038	.5860	.4340	.4379	.4409	.4378	.4467	.4405	.4494	225.00
247.50	.3491	.3017	.2695	.2514	.2409	.1542	.1537	.1542	.1525	.1543	.1530	.1557	247.50
270.00	.0694	.0422	.0252	.0123	.0063	-.0298	-.0333	-.0317	-.0338	-.0368	-.0374	-.0285	270.00
292.50	-.0743	-.0857	-.0936	-.1022	-.1112	-.1153	-.1201	-.1174	-.1186	-.1169	-.1150	-.1022	292.50
315.00	-.1217	-.1208	-.1209	-.1219	-.1308	-.1296	-.1279	-.1261	-.1254	-.1134	-.1159	-.1065	315.00
337.50	-.1231	-.1231	-.1260	-.1253	-.1311	-.1327	-.1299	-.1269	-.1269	-.1174	-.1157	-.0995	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0965	-.0917	-.0975	-.0987	-.1115	-.1069	-.1236	-.1269	-.1077	-.1041	-.1021	-.1013	0.00
22.50	-.1247	-.1240	-.1260	-.1143	-.1314	-.1309	-.1282	-.1271	-.1164	-.1034	-.1016	-.0987	22.50
45.00	-.1313	-.1263	-.1258	-.1136	-.1314	-.1324	-.1291	-.1254	-.1113	-.1016	-.1009	-.0965	45.00
67.50	-.0885	-.1000	-.1081	-.0996	-.1041	-.1238	-.1221	-.1237	-.1188	-.1044	-.1034	-.0975	67.50
90.00	.0577	.0372	.0145	.0127	.0019	-.0322	-.0280	-.0319	-.0347	-.0367	-.0301	-.0306	90.00
112.50	.3606	.3204	.2816	.2709	.2556	.1755	.1823	.1807	.1801	.1883	.1855	.1883	112.50
135.00	.8015	.7448	.6793	.6561	.6360	.4909	.5099	.5159	.5192	.5216	.5144	.5292	135.00
157.50	1.2147	1.1463	1.0682	1.0281	1.0101	.8047	.8306	.8388	.8471	.8441	.8349	.8292	157.50
180.00	1.3909	1.3182	1.2397	1.1939	1.1784	.9399	.9653	.9829	.9829	.9773	.9744	.9659	180.00
202.50	1.2241	1.1540	1.0807	1.0415	1.0246	.8074	.8274	.8425	.8416	.8436	.8347	.8307	202.50
225.00	.8126	.7525	.6918	.6688	.6543	.4964	.5061	.5133	.5133	.5167	.5124	.5209	225.00
247.50	.3660	.3248	.2957	.2778	.2690	.1796	.1816	.1860	.1840	.1863	.1885	.1918	247.50
270.00	.0705	.0449	.0331	.0191	.0142	-.0196	-.0228	-.0198	-.0217	-.0250	-.0250	-.0196	270.00
292.50	-.0777	-.0866	-.0930	-.1026	-.1072	-.1114	-.1180	-.1152	-.1092	-.0998	-.0994	-.0910	292.50
315.00	-.1249	-.1244	-.1236	-.1238	-.1293	-.1279	-.1292	-.1241	-.1164	-.0976	-.0996	-.0932	315.00
337.50	-.1263	-.1263	-.1283	-.1255	-.1313	-.1319	-.1298	-.1267	-.1104	-.0994	-.1005	-.0973	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0994	-.0905	-.0979	-.1019	-.1115	-.1056	-.1177	-.1144	-.1089	-.1046	-.1038	-.1047	0.00
22.50	-.1272	-.1252	-.1264	-.1162	-.1294	-.1266	-.1196	-.1140	-.1072	-.1043	-.1028	-.1036	22.50
45.00	-.1338	-.1286	-.1267	-.1164	-.1314	-.1268	-.1202	-.1137	-.1068	-.1031	-.1018	-.1020	45.00
67.50	-.0918	-.1017	-.1086	-.0998	-.1023	-.1211	-.1202	-.1217	-.1154	-.1103	-.1073	-.1050	67.50
90.00	.0574	.0397	.0189	.0191	.0085	-.0245	-.0221	-.0258	-.0266	-.0191	-.0178	-.0182	90.00
112.50	.3759	.3407	.3048	.2967	.2616	.2045	.2120	.2115	.2150	.2212	.2190	.2207	112.50
135.00	.8522	.7999	.7393	.7168	.6980	.5595	.5820	.5978	.5979	.5903	.5816	.5950	135.00
157.50	1.2994	1.2364	1.1673	1.1288	1.1098	.9117	.9430	.9499	.9544	.9494	.9400	.9390	157.50
180.00	1.4935	1.4276	1.3575	1.3145	1.2960	1.0639	1.0990	1.1077	1.1097	1.0997	1.0952	1.0983	180.00
202.50	1.3127	1.2493	1.1844	1.1461	1.1284	.9117	.9413	.9554	.9502	.9485	.9405	.9373	202.50
225.00	.8675	.8118	.7583	.7336	.7205	.5628	.5769	.5847	.5833	.5777	.5793	.5876	225.00
247.50	.3870	.3473	.3225	.3063	.2974	.2074	.2121	.2135	.2171	.2213	.2203	.2246	247.50
270.00	.0723	.0503	.0399	.0273	.0222	-.0125	-.0136	-.0135	-.0122	-.0142	-.0137	-.0017	270.00
292.50	-.0800	-.0876	-.0926	-.1021	-.1062	-.1107	-.1156	-.1114	-.1061	-.1050	-.1072	-.0969	292.50
315.00	-.1274	-.1276	-.1260	-.1223	-.1301	-.1278	-.1203	-.1109	-.1065	-.0998	-.1028	-.0981	315.00
337.50	-.1290	-.1290	-.1296	-.1269	-.1307	-.1302	-.1216	-.1123	-.1073	-.1003	-.1032	-.1025	337.50

TABLE III.- Continued

(c) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1003	-.0922	-.0968	-.1021	-.1036	-.0958	-.1078	-.1089	-.1081	-.1032	-.1054	-.1102	0.00
22.50	-.1296	-.1277	-.1275	-.1141	-.1168	-.1157	-.1092	-.1074	-.1066	-.1025	-.1058	-.1101	22.50
45.00	-.1361	-.1363	-.1290	-.1123	-.1123	-.1169	-.1096	-.1073	-.1060	-.1016	-.1041	-.1086	45.00
67.50	-.0945	-.1025	-.1090	-.0998	-.1014	-.1202	-.1173	-.1161	-.1156	-.1093	-.1125	-.1120	67.50
90.00	.0570	.0420	.0232	.0241	.0124	-.0161	-.0136	-.0170	-.0154	-.0096	-.0091	-.0122	90.00
112.50	.3887	.3596	.3251	.3194	.3001	.2397	.2476	.2414	.2457	.2527	.2491	.2495	112.50
135.00	.8974	.8510	.7942	.7733	.7481	.6321	.6511	.6552	.6541	.6573	.6460	.6460	135.00
157.50	1.3769	1.3223	1.2575	1.2242	1.1904	1.0314	1.0567	1.0569	1.0575	1.0555	1.0448	1.0418	157.50
180.00	1.5863	1.5260	1.4638	1.4265	1.3886	1.2145	1.2311	1.2262	1.2219	1.2154	1.2154	1.2237	180.00
202.50	1.3936	1.3358	1.2753	1.2436	1.2094	1.0392	1.0568	1.0638	1.0555	1.0543	1.0450	1.0477	202.50
225.00	.9174	.8646	.8141	.7927	.7735	.6439	.6474	.6555	.6513	.6544	.6430	.6543	225.00
247.50	.4007	.3656	.3430	.3299	.3171	.2482	.2466	.2474	.2488	.2530	.2498	.2563	247.50
270.00	.0723	.0531	.0448	.0323	.0262	-.0045	-.0044	-.0038	-.0011	-.0038	-.0030	.0042	270.00
292.50	-.0824	-.0883	-.0923	-.1016	-.1052	-.1117	-.1129	-.1079	-.1050	-.1051	-.1075	-.0975	292.50
315.00	-.1297	-.1285	-.1254	-.1257	-.1193	-.1153	-.1096	-.1065	-.1050	-.0991	-.1024	-.1009	315.00
337.50		-.1304	-.1291	-.1280	-.1201	-.1177	-.1098	-.1073	-.1057	-.0997	-.1035	-.1052	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1000	-.0965	-.0988	-.0945	-.1003	-.0849	-.1028	-.1051	-.1049	-.1004	-.1107	-.1049	0.00
22.50	-.1311	-.1296	-.1270	-.1050	-.1142	-.1033	-.1039	-.1035	-.1033	-.1018	-.1099	-.1050	22.50
45.00	-.1377	-.1312	-.1272	-.1043	-.1043	-.1045	-.1045	-.1034	-.1026	-.1012	-.1082	-.1057	45.00
67.50	-.0975	-.1041	-.1091	-.0998	-.1061	-.1126	-.1137	-.1122	-.1129	-.1105	-.1186	-.1061	67.50
90.00	.0549	.0426	.0270	.0279	.0132	.0000	-.0048	-.0074	-.0059	-.0009	-.0010	-.0026	90.00
112.50	.3973	.3747	.3437	.3394	.3113	.2735	.2730	.2770	.2727	.2808	.2773	.2737	112.50
135.00	.9339	.8966	.8461	.8229	.7820	.6985	.7184	.7195	.7170	.7193	.7120	.7120	135.00
157.50	1.4427	1.3962	1.3357	1.3060	1.2517	1.1492	1.1671	1.1554	1.1585	1.1570	1.1475	1.1485	157.50
180.00	1.6434	1.6139	1.5577	1.5218	1.4638	1.3459	1.3565	1.3565	1.3375	1.3358	1.3300	1.3399	180.00
202.50	1.4577	1.4099	1.3540	1.3231	1.2690	1.1500	1.1660	1.1612	1.1517	1.1553	1.1463	1.1504	202.50
225.00	.9556	.9115	.8630	.8424	.8070	.7080	.7165	.7195	.7123	.7181	.7112	.7217	225.00
247.50	.4125	.3828	.3614	.3501	.3282	.2778	.2733	.2770	.2754	.2827	.2790	.2814	247.50
270.00	.0722	.0562	.0468	.0372	.0278	.0100	.0028	.0048	.0079	.0052	.0056	.0113	270.00
292.50	-.0845	-.0889	-.0920	-.1020	-.1098	-.1053	-.1084	-.1044	-.1027	-.1024	-.1128	-.0983	292.50
315.00	-.1313	-.1288	-.1249	-.1141	-.1141	-.1053	-.1043	-.1031	-.1025	-.0966	-.1068	-.1006	315.00
337.50		-.1313	-.1291	-.1159	-.1147	-.1062	-.1044	-.1034	-.1029	-.0973	-.1085	-.1045	337.50

TABLE III.- Continued

(d) $M_{\infty} = 4.63$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1540	.1209	.0958	.0794	.0613	.0429	.0164	.0123	.0105	.0091	.0072	.0053	0.00
22.50	.1398	.1006	.0699	.0678	.0471	.0160	.0067	.0054	.0053	.0058	.0044	.0045	22.50
45.00	.1277	.0901	.0607	.0611	.0445	.0307	.0006	-.0001	.0008	.0014	.0003	.0005	45.00
67.50	.1119	.0751	.0473	.0495	.0445	-.0012	-.0037	-.0057	-.0056	-.0027	-.0039	-.0012	67.50
90.00	.0938	.0610	.0364	.0397	.0208	-.0051	-.0079	-.0074	-.0045	-.0010	-.0012	.0009	90.00
112.50	.0776	.0485	.0273	.0307	.0141	-.0073	-.0093	-.0045	-.0027	.0027	.0015	.0021	112.50
135.00	.0658	.0405	.0217	.0263	.0114	-.0080	-.0083	-.0047	-.0015	.0038	.0156	.0000	135.00
157.50	.0599	.0300	.0203	.0222	.0102	-.0069	-.0083	-.0039	-.0014	.0055	.0029	.0123	157.50
180.00	.0581	.0395	.0250	.0349	.0186	.0035	-.0073	-.0008	-.0008	.0066	.0058	.0076	180.00
202.50	.0594	.0376	.0202	.0201	.0139	-.0053	-.0073	.0064	-.0007	.0071	.0033	.0073	202.50
225.00	.0664	.0388	.0210	.0189	.0108	-.0072	-.0083	-.0018	-.0006	.0075	.0030	.0053	225.00
247.50	.0779	.0458	.0248	.0216	.0134	-.0080	-.0098	-.0045	-.0017	.0074	.0020	.0041	247.50
270.00	.0920	.0569	.0323	.0274	.0188	-.0071	-.0097	-.0077	-.0047	.0061	.0017	.0089	270.00
292.50	.1113	.0721	.0434	.0359	.0268	-.0041	-.0076	-.0069	-.0065	.0044	-.0015	.0113	292.50
315.00	.1291	.0878	.0569	.0464	.0373	.0019	-.0016	-.0011	-.0018	.0077	.0009	.0140	315.00
337.50	.0994	.0677	.0543	.0462	.0462	.0066	.0035	.0037	.0027	.0115	.0052	.0110	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1047	.0804	.0635	.0535	.0314	.0293	.0020	-.0029	-.0007	.0091	.0040	.0074	0.00
22.50	.0905	.0582	.0366	.0407	.0154	.0014	-.0053	-.0056	-.0030	.0079	.0032	.0073	22.50
45.00	.0906	.0586	.0353	.0408	.0101	-.0011	-.0070	-.0064	-.0033	.0072	.0031	.0075	45.00
67.50	.0922	.0599	.0351	.0415	.0333	.0019	-.0050	-.0061	-.0046	.0069	.0027	.0073	67.50
90.00	.0931	.0604	.0358	.0415	.0178	-.0018	-.0051	-.0050	-.0029	.0069	.0027	.0079	90.00
112.50	.0933	.0600	.0355	.0393	.0175	-.0016	-.0055	-.0033	-.0039	.0082	.0039	.0082	112.50
135.00	.0933	.0602	.0354	.0376	.0180	-.0018	-.0052	-.0045	-.0035	.0085	.0175	.0000	135.00
157.50	.0938	.0596	.0354	.0335	.0178	-.0016	-.0060	-.0045	-.0037	.0107	.0062	.0193	157.50
180.00	.0930	.0615	.0363	.0436	.0226	.0053	-.0056	-.0040	.0108	.0084	.0084	.0144	180.00
202.50	.0937	.0621	.0358	.0321	.0211	-.0008	-.0054	.0023	-.0036	.0130	.0082	.0162	202.50
225.00	.0940	.0596	.0359	.0314	.0175	-.0018	-.0057	-.0033	-.0027	.0144	.0092	.0155	225.00
247.50	.0944	.0590	.0355	.0311	.0170	-.0025	-.0060	-.0051	-.0029	.0152	.0089	.0113	247.50
270.00	.0930	.0587	.0355	.0302	.0168	-.0046	.0063	-.0053	-.0028	.0167	.0086	.0116	270.00
292.50	.0935	.0583	.0347	.0293	.0154	-.0052	-.0076	-.0062	-.0030	.0157	.0071	.0096	292.50
315.00	.0936	.0578	.0344	.0284	.0152	-.0050	-.0079	-.0062	-.0031	.0156	.0074	.0118	315.00
337.50	.0579	.0349	.0271	.0151	-.0049	-.0077	-.0062	-.0034	.0145	.0071	.0104	.0104	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0722	.0594	.0477	.0410	.0257	.0256	-.0030	-.0049	-.0032	-.0007	.0006	.0007	0.00
22.50	.0559	.0326	.0181	.0243	.0067	-.0041	-.0100	-.0076	-.0052	-.0027	-.0031	-.0024	22.50
45.00	.0617	.0357	.0174	.0258	.0090	-.0090	-.0127	-.0088	-.0052	-.0031	-.0029	-.0022	45.00
67.50	.0750	.0438	.0220	.0301	.0289	-.0095	-.0117	-.0097	-.0065	-.0028	-.0029	-.0015	67.50
90.00	.0922	.0583	.0323	.0379	.0197	-.0068	-.0097	-.0098	-.0065	-.0031	-.0034	-.0003	90.00
112.50	.1118	.0741	.0450	.0479	.0302	-.0023	-.0049	-.0037	-.0056	-.0010	-.0027	-.0028	112.50
135.00	.1305	.0909	.0584	.0580	.0419	.0037	.0017	.0012	.0006	.0047	.0158	.0000	135.00
157.50	.1446	.1024	.0691	.0626	.0501	.0086	.0062	.0060	.0055	.0111	.0084	.0373	157.50
180.00	.1478	.1061	.0755	.0713	.0553	.0153	.0084	.0071	.0132	.0120	.0375	.0000	180.00
202.50	.1432	.1048	.0706	.0608	.0528	.0096	.0064	.0111	.0053	.0127	.0085	.0370	202.50
225.00	.1317	.0917	.0613	.0515	.0415	.0049	.0014	.0021	.0008	.0078	.0059	.0327	225.00
247.50	.1146	.0751	.0477	.0399	.0296	-.0018	-.0020	-.0052	-.0056	.0037	.0051	.0207	247.50
270.00	.0941	.0587	.0344	.0273	.0168	-.0078	-.0106	-.0098	-.0072	.0053	.0028	.0088	270.00
292.50	.0781	.0457	.0235	.0179	.0109	-.0113	-.0142	-.0097	-.0062	.0050	-.0011	-.0029	292.50
315.00	.0666	.0361	.0176	.0130	.0064	-.0120	-.0135	-.0083	-.0059	.0054	-.0010	.0010	315.00
337.50	.0310	.0161	.0109	.0055	-.0106	-.0124	-.0078	-.0059	.0044	.0001	.0013	.0013	337.50

TABLE III.- Continued

(d) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0523	.0468	.0403	.0344	.0148	.0204	-.0076	-.0097	-.0075	-.0054	-.0107	-.0013	0.00
22.50	.0313	.0154	.0059	.0143	-.0100	-.0134	-.0173	-.0182	-.0185	-.0168	-.0203	-.0102	22.50
45.00	.0370	.0161	.0016	.0128	.0128	-.0204	-.0202	-.0195	-.0178	-.0153	-.0194	-.0126	45.00
67.50	.0569	.0277	.0071	.0158	.0099	-.0218	-.0203	-.0203	-.0192	-.0149	-.0198	-.0142	67.50
90.00	.0885	.0536	.0263	.0317	.0080	-.0144	-.0159	-.0177	-.0182	-.0171	-.0227	-.0141	90.00
112.50	.1300	.0890	.0559	.0563	.0349	-.0008	-.0025	-.0028	-.0066	-.0039	-.0115	-.0085	112.50
135.00	.1725	.1283	.0963	.0852	.0664	.0166	.0156	.0133	.0115	.0139	.0202	.0135	135.00
157.50	.2056	.1576	.1192	.1063	.0913	.0324	.0304	.0284	.0266	.0303	.0234	.0395	157.50
180.00	.2174	.1705	.1320	.1194	.1034	.0414	.0370	.0330	.0330	.0368	.0320	.0454	180.00
202.50	.2061	.1611	.1226	.1060	.0949	.0342	.0313	.0320	.0277	.0322	.0241	.0395	202.50
225.00	.1753	.1315	.0966	.0806	.0678	.0197	.0164	.0158	.0134	.0176	.0086	.0426	225.00
247.50	.1346	.0924	.0624	.0498	.0356	.0021	-.0015	-.0025	-.0046	.0010	-.0099	.0229	247.50
270.00	.0927	.0564	.0315	.0214	.0086	-.0129	-.0161	-.0171	-.0181	-.0075	-.0157	.0001	270.00
292.50	.0617	.0307	.0098	.0022	-.0091	-.0216	-.0227	-.0199	-.0175	-.0061	-.0158	-.0092	292.50
315.00	.0433	.0172	.0016	-.0028	-.0130	-.0208	-.0211	-.0191	-.0173	-.0069	-.0144	-.0065	315.00
337.50	.0146	.0027	-.0025	-.0116	-.0186	-.0203	-.0192	-.0191	-.0191	-.0066	-.0132	-.0046	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0398	.0385	.0345	.0319	.0121	.0211	-.0149	-.0166	-.0191	-.0189	-.0234	-.0173	0.00
22.50	.0141	.0033	-.0048	.0066	-.0201	-.0136	-.0257	-.0260	-.0254	-.0241	-.0271	-.0175	22.50
45.00	.0163	-.0006	-.0111	.0048	.0057	-.0188	-.0274	-.0268	-.0254	-.0235	-.0268	-.0188	45.00
67.50	.0393	.0121	-.0061	.0057	-.0015	-.0227	-.0272	-.0278	-.0270	-.0226	-.0273	-.0205	67.50
90.00	.0841	.0493	.0218	.0286	.0036	-.0116	-.0190	-.0212	-.0218	-.0220	-.0292	-.0216	90.00
112.50	.1497	.1065	.0763	.0694	.0475	.0127	.0043	.0029	-.0014	.0013	-.0062	-.0045	112.50
135.00	.2225	.1726	.1365	.1219	.1042	.0467	.0385	.0345	.0313	.0332	.0390	.0300	135.00
157.50	.2808	.2253	.1797	.1621	.1480	.0786	.0687	.0645	.0612	.0634	.0584	.0640	157.50
180.00	.3027	.2482	.2017	.1820	.1673	.0937	.0819	.0741	.0741	.0760	.0725	.0729	180.00
202.50	.2812	.2289	.1839	.1626	.1508	.0781	.0703	.0675	.0631	.0654	.0586	.0628	202.50
225.00	.2262	.1773	.1386	.1190	.1071	.0493	.0404	.0387	.0351	.0371	.0289	.0492	225.00
247.50	.1558	.1123	.0805	.0645	.0508	.0144	.0067	.0051	.0027	.0067	-.0039	.0300	247.50
270.00	.0906	.0543	.0303	.0194	.0061	-.0129	-.0183	-.0192	-.0207	-.0120	-.0259	.0001	270.00
292.50	.0459	.0167	-.0019	-.0089	-.0204	-.0258	-.0292	-.0272	-.0259	-.0130	-.0251	-.0171	292.50
315.00	.0233	.0004	-.0106	-.0122	-.0227	-.0241	-.0281	-.0264	-.0262	-.0138	-.0262	-.0150	315.00
337.50	.0016	-.0086	-.0132	-.0213	-.0248	-.0288	-.0272	-.0270	-.0147	-.0241	-.0125	-.0125	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0325	.0345	.0325	.0247	.0079	.0379	-.0221	-.0267	-.0261	-.0244	-.0257	-.0227	0.00
22.50	.0023	-.0056	-.0139	-.0008	-.0237	-.0277	-.0296	-.0301	-.0299	-.0286	-.0273	-.0234	22.50
45.00	.0005	-.0125	-.0196	-.0008	-.0008	-.0316	-.0317	-.0311	-.0299	-.0278	-.0264	-.0239	45.00
67.50	.0257	.0020	-.0143	.0008	-.0027	-.0323	-.0314	-.0324	-.0324	-.0276	-.0270	-.0256	67.50
90.00	.0829	.0493	.0213	.0281	.0075	-.0181	-.0188	-.0209	-.0220	-.0214	-.0238	-.0250	90.00
112.50	.1741	.1291	.0894	.0863	.0676	.0177	.0157	.0137	.0088	.0112	.0086	.0033	112.50
135.00	.2812	.2264	.1770	.1643	.1479	.0713	.0696	.0647	.0603	.0609	.0684	.0600	135.00
157.50	.3715	.3083	.2537	.2306	.2152	.1236	.1192	.1139	.1093	.1086	.1070	.1077	157.50
180.00	.4055	.3427	.2872	.2618	.2453	.1450	.1396	.1295	.1295	.1295	.1275	.1252	180.00
202.50	.3711	.3107	.2586	.2329	.2186	.1258	.1209	.1173	.1119	.1111	.1075	.1083	202.50
225.00	.2851	.2307	.1867	.1637	.1520	.0788	.0728	.0705	.0659	.0649	.0607	.0640	225.00
247.50	.1809	.1354	.1026	.0836	.0723	.0256	.0198	.0181	.0155	.0173	.0115	.0338	247.50
270.00	.0912	.0559	.0324	.0204	.0111	-.0134	-.0170	-.0173	-.0189	-.0114	-.0205	.0020	270.00
292.50	.0333	.0070	-.0089	-.0141	-.0211	-.0306	-.0331	-.0312	-.0304	-.0171	-.0246	-.0204	292.50
315.00	.0073	-.0123	-.0189	-.0189	-.0244	-.0305	-.0322	-.0305	-.0306	-.0178	-.0242	-.0178	315.00
337.50	.0000	-.0086	-.0181	-.0216	-.0247	-.0306	-.0324	-.0304	-.0311	-.0188	-.0252	-.0172	337.50

TABLE III.- Continued

(d) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0276	.0326	.0263	.0204	.0001	.0099	-.0260	-.0307	-.0300	-.0279	-.0349	-.0252	0.00
22.50	-.0062	-.0133	-.0198	-.0040	-.0322	-.0298	-.0319	-.0327	-.0327	-.0305	-.0353	-.0260	22.50
45.00	-.0116	-.0202	-.0249	-.0040		-.0345	-.0341	-.0332	-.0321	-.0299	-.0340	-.0274	45.00
67.50	.0148	-.0056	-.0189	-.0008	-.0089	-.0339	-.0330	-.0347	-.0348	-.0306	-.0352	-.0290	67.50
90.00	.0825	.0501	.0229	.0306	.0061	-.0165	-.0162	-.0185	-.0201	-.0185	-.0263	-.0239	90.00
112.50	.1991	.1532	.1129	.1078	.0869	.0336	.0316	.0285	.0232	.0261	.0207	.0179	112.50
135.00	.3446	.2870	.2319	.2149	.1970	.1118	.1082	.1029	.0976	.0995	.1047	.1047	135.00
157.50	.4719	.4037	.3407	.3116	.2933	.1836	.1786	.1726	.1670	.1686	.1669	.1661	157.50
180.00	.5208	.4522	.3872	.3559	.3373	.2142	.2085		.1961	.1973	.1962	.1941	180.00
202.50	.4719	.4054	.3448	.3148	.2979	.1855	.1803	.1761	.1696	.1704	.1673	.1677	202.50
225.00	.3502	.2916	.2417	.2155	.2028	.1200	.1118	.1101	.1042	.1032	.0985	.1023	225.00
247.50	.2081	.1613	.1281	.1063	.0941	.0426	.0363	.0351	.0319	.0325	.0243	.0342	247.50
270.00	.0934	.0596	.0367	.0232	.0111	-.0098	-.0138	-.0137	-.0154	-.0082	-.0221	.0047	270.00
292.50	.0236	.0014	-.0121	-.0170	-.0280	-.0317	-.0346	-.0323	-.0325	-.0193	-.0328	-.0234	292.50
315.00	-.0049	-.0197	-.0237	-.0231	-.0337	-.0331	-.0345	-.0324	-.0327	-.0198	-.0322	-.0205	315.00
337.50		-.0170	-.0236	-.0262	-.0335	-.0333	-.0346	-.0325	-.0333	-.0268	-.0332	-.0211	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0239	.0296	.0211	.0179	-.0013	.0074	-.0272	-.0317	-.0320	-.0324	-.0365	-.0270	0.00
22.50	-.0141	-.0186	-.0237	-.0058	-.0334	-.0293	-.0335	-.0335	-.0336	-.0329	-.0367	-.0280	22.50
45.00	-.0207	-.0249	-.0285	-.0067		-.0333	-.0357	-.0344	-.0333	-.0320	-.0352	-.0283	45.00
67.50	.0068	-.0102	-.0216	-.0020	-.0065	-.0318	-.0335	-.0346	-.0357	-.0330	-.0372	-.0303	67.50
90.00	.0833	.0528	.0264	.0342	.0134	-.0108	-.0129	-.0149	-.0157	-.0153	-.0204	-.0198	90.00
112.50	.2242	.1782	.1376	.1318	.1135	.0545	.0503	.0463	.0420	.0466	.0420	.0400	112.50
135.00	.4094	.3499	.2919	.2722	.2527	.1562	.1515	.1459	.1434	.1478	.1522	.1522	135.00
157.50	.5769	.5054	.4378	.4036	.3825	.2531	.2475	.2394	.2395	.2452	.2432	.2401	157.50
180.00	.6432	.5708	.5006	.4636	.4420	.2944	.2893		.2807	.2800	.2848	.2811	180.00
202.50	.5773	.5074	.4421	.4072	.3872	.2546	.2496	.2435	.2413	.2460	.2429	.2419	202.50
225.00	.4171	.3561	.3032	.2732	.2591	.1647	.1560	.1537	.1499	.1505	.1479	.1510	225.00
247.50	.2356	.1888	.1554	.1316	.1218	.0657	.0565	.0551	.0537	.0532	.0466	.0526	247.50
270.00	.0966	.0648	.0435	.0279	.0185	-.0033	-.0088	-.0084	-.0093	-.0043	-.0154	.0067	270.00
292.50	.0168	-.0021	-.0133	-.0190	-.0277	-.0297	-.0348	-.0322	-.0325	-.0209	-.0350	-.0240	292.50
315.00	-.0137	-.0246	-.0269	-.0267	-.0355	-.0327	-.0362	-.0336	-.0336	-.0212	-.0339	-.0222	315.00
337.50		-.0226	-.0272	-.0295	-.0354	-.0336	-.0363	-.0336	-.0346	-.0223	-.0355	-.0238	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0214	.0240	.0193	.0169	-.0002	.0058	-.0276	-.0339	-.0343	-.0325	-.0323	-.0280	0.00
22.50	-.0203	-.0229	-.0260	-.0064	-.0318	-.0327	-.0348	-.0352	-.0350	-.0328	-.0331	-.0287	22.50
45.00	-.0267	-.0282	-.0309	-.0074		-.0365	-.0373	-.0369	-.0344	-.0318	-.0323	-.0299	45.00
67.50	.0009	-.0138	-.0232	-.0020	-.0063	-.0345	-.0337	-.0348	-.0358	-.0327	-.0345	-.0318	67.50
90.00	.0847	.0552	.0312	.0404	.0198	-.0083	-.0077	-.0105	-.0118	-.0076	-.0137	-.0158	90.00
112.50	.2496	.2027	.1632	.1572	.1394	.0752	.0716	.0680	.0650	.0766	.0688	.0640	112.50
135.00	.4752	.4134	.3546	.3343	.3141	.2054	.2006	.1949	.1982	.2025	.2061	.2011	135.00
157.50	.6844	.6082	.5402	.5036	.4811	.3335	.3256	.3192	.3271	.3341	.3323	.3281	157.50
180.00	.7680	.6926	.6195	.5817	.5582	.3880	.3807		.3828	.3898	.3883	.3848	180.00
202.50	.6849	.6121	.5472	.5097	.4873	.3339	.3284	.3235	.3281	.3345	.3318	.3309	202.50
225.00	.4836	.4210	.3677	.3376	.3219	.2141	.2062	.2027	.2034	.2044	.2024	.2066	225.00
247.50	.2621	.2147	.1837	.1591	.1488	.0888	.0798	.0785	.0785	.0785	.0734	.0771	247.50
270.00	.0999	.0694	.0509	.0357	.0273	.0024	-.0029	-.0020	-.0023	.0023	-.0072	.0096	270.00
292.50	.0119	-.0049	-.0138	-.0183	-.0250	-.0298	-.0344	-.0317	-.0318	-.0205	-.0323	-.0236	292.50
315.00	-.0191	-.0278	-.0294	-.0277	-.0338	-.0350	-.0371	-.0341	-.0343	-.0213	-.0310	-.0230	315.00
337.50		-.0263	-.0295	-.0304	-.0336	-.0355	-.0371	-.0348	-.0355	-.0222	-.0316	-.0238	337.50

TABLE III.- Continued

(d) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0192	.0211	.0191	.0168	-.0005	.0048	-.0290	-.0345	-.0341	-.0290	-.0276	-.0262	0.00
22.50	-.0235	-.0244	-.0268	-.0065	-.0314	-.0329	-.0352	-.0352	-.0341	-.0297	-.0287	-.0265	22.50
45.00	-.0296	-.0296	-.0321	-.0071	-.0321	-.0368	-.0378	-.0360	-.0333	-.0295	-.0279	-.0268	45.00
67.50	-.0022	-.0148	-.0234	-.0019	-.0049	-.0338	-.0329	-.0345	-.0351	-.0313	-.0303	-.0285	67.50
90.00	.0877	.0602	.0371	.0469	.0278	-.0033	-.0011	-.0046	-.0053	-.0039	-.0035	-.0086	90.00
112.50	.2751	.2291	.1888	.1841	.1661	.1006	.0976	.0941	.0930	.0967	.0946	.0927	112.50
135.00	.5417	.4798	.4176	.3979	.3781	.2565	.2557	.2527	.2589	.2643	.2663	.2633	135.00
157.50	.7960	.7186	.6404	.6091	.5859	.4157	.4132	.4142	.4246	.4336	.4303	.4181	157.50
180.00	.9014	.8242	.7398	.7073	.6805	.4839	.4822	.4822	.4968	.5065	.5030	.4905	180.00
202.50	.8003	.7254	.6511	.6175	.5940	.4163	.4146	.4189	.4246	.4335	.4295	.4210	202.50
225.00	.5543	.4901	.4333	.4035	.3887	.2653	.2597	.2600	.2622	.2655	.2632	.2634	225.00
247.50	.2903	.2431	.2109	.1865	.1798	.1131	.1044	.1057	.1066	.1065	.1026	.1091	247.50
270.00	.1051	.0766	.0550	.0431	.0361	.0088	.0045	.0056	.0056	.0067	.0030	.0115	270.00
292.50	.0096	-.0052	-.0130	-.0179	-.0232	-.0293	-.0333	-.0302	-.0304	-.0185	-.0273	-.0221	292.50
315.00	-.0216	-.0291	-.0303	-.0284	-.0337	-.0351	-.0377	-.0341	-.0333	-.0184	-.0262	-.0211	315.00
337.50	-.0279	-.0302	-.0302	-.0313	-.0333	-.0358	-.0378	-.0349	-.0345	-.0187	-.0269	-.0219	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0153	.0194	.0186	.0159	-.0026	.0087	-.0294	-.0334	-.0299	-.0257	-.0268	-.0270	0.00
22.50	-.0267	-.0265	-.0281	-.0072	-.0334	-.0302	-.0355	-.0340	-.0305	-.0258	-.0269	-.0262	22.50
45.00	-.0326	-.0317	-.0335	-.0090	-.0326	-.0359	-.0382	-.0347	-.0299	-.0251	-.0256	-.0248	45.00
67.50	-.0054	-.0163	-.0237	-.0019	-.0049	-.0332	-.0324	-.0335	-.0336	-.0264	-.0278	-.0266	67.50
90.00	.0917	.0665	.0438	.0529	.0349	.0037	.0058	.0051	.0021	.0050	.0021	-.0009	90.00
112.50	.3031	.2578	.2177	.2127	.1945	.1287	.1244	.1220	.1203	.1255	.1270	.1245	112.50
135.00	.6143	.5519	.4875	.4653	.4466	.3174	.3150	.3189	.3233	.3296	.3309	.3250	135.00
157.50	.9162	.8356	.7489	.7196	.6943	.5134	.5086	.5199	.5326	.5384	.5336	.5186	157.50
180.00	1.0429	.9612	.8674	.8362	.8077	.5980	.5937	.5937	.6191	.6273	.6206	.6084	180.00
202.50	.9206	.8420	.7580	.7275	.7015	.5116	.5083	.5241	.5313	.5378	.5333	.5219	202.50
225.00	.6283	.5623	.5021	.4719	.4583	.3243	.3175	.3250	.3268	.3314	.3289	.3290	225.00
247.50	.3189	.2723	.2410	.2187	.2072	.1403	.1310	.1341	.1353	.1341	.1344	.1391	247.50
270.00	.1104	.0846	.0677	.0515	.0451	.0184	.0124	.0153	.0155	.0164	.0097	.0206	270.00
292.50	.0073	-.0055	-.0122	-.0173	-.0225	-.0279	-.0325	-.0290	-.0282	-.0146	-.0246	-.0204	292.50
315.00	-.0238	-.0307	-.0314	-.0296	-.0355	-.0356	-.0381	-.0331	-.0300	-.0147	-.0238	-.0209	315.00
337.50	-.0296	-.0314	-.0314	-.0326	-.0348	-.0363	-.0384	-.0338	-.0310	-.0160	-.0250	-.0232	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0130	.0189	.0189	.0160	-.0023	.0043	-.0287	-.0305	-.0287	-.0259	-.0268	-.0298	0.00
22.50	-.0284	-.0275	-.0289	-.0075	-.0332	-.0345	-.0344	-.0314	-.0282	-.0260	-.0270	-.0294	22.50
45.00	-.0340	-.0327	-.0344	-.0084	-.0326	-.0386	-.0369	-.0320	-.0272	-.0259	-.0264	-.0285	45.00
67.50	-.0070	-.0167	-.0236	-.0007	-.0041	-.0339	-.0315	-.0328	-.0318	-.0287	-.0301	-.0311	67.50
90.00	.0971	.0735	.0509	.0599	.0434	.0111	.0146	.0099	.0096	.0112	.0120	.0057	90.00
112.50	.3329	.2870	.2457	.2410	.2246	.1552	.1528	.1514	.1500	.1551	.1554	.1524	112.50
135.00	.6889	.6229	.5555	.5345	.5180	.3789	.3810	.3879	.3921	.3971	.3983	.3850	135.00
157.50	1.0366	.9500	.8575	.8311	.8048	.6135	.6140	.6294	.6379	.6450	.6382	.6238	157.50
180.00	1.1848	1.0963	1.0003	.9672	.9380	.7178	.7176	.7414	.7414	.7510	.7431	.7354	180.00
202.50	1.0428	.9598	.8695	.8403	.8119	.6135	.6119	.6331	.6345	.6433	.6374	.6303	202.50
225.00	.7029	.6352	.5701	.5408	.5288	.3889	.3788	.3905	.3927	.3978	.3947	.3978	225.00
247.50	.3492	.3027	.2702	.2456	.2367	.1687	.1583	.1632	.1644	.1631	.1640	.1710	247.50
270.00	.1175	.0931	.0773	.0597	.0544	.0264	.0206	.0238	.0253	.0234	.0208	.0297	270.00
292.50	.0065	-.0049	-.0108	-.0166	-.0210	-.0269	-.0313	-.0275	-.0255	-.0168	-.0268	-.0179	292.50
315.00	-.0252	-.0318	-.0319	-.0305	-.0356	-.0359	-.0366	-.0302	-.0271	-.0163	-.0249	-.0210	315.00
337.50	-.0308	-.0321	-.0321	-.0331	-.0350	-.0376	-.0369	-.0310	-.0285	-.0168	-.0257	-.0231	337.50

TABLE III.- Continued

(d) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0115	.0184	.0184	.0147	-.0008	.0051	-.0248	-.0280	-.0276	-.0250	-.0254	-.0272	0.00
22.50	-.0302	-.0284	-.0294	-.0679	-.0318	-.0338	-.0308	-.0275	-.0267	-.0248	-.0256	-.0272	22.50
45.00	-.0357	-.0336	-.0349	-.0089		-.0379	-.0330	-.0276	-.0263	-.0249	-.0251	-.0273	45.00
67.50	-.0085	-.0169	-.0228	-.0006	-.0020	-.0331	-.0302	-.0307	-.0314	-.0283	-.0296	-.0268	67.50
90.00	.1024	.0815	.0554	.0678	.0529	.0190	.0223	.0198	.0173	.0212	.0216	.0182	90.00
112.50	.3610	.3179	.2769	.2702	.2568	.1834	.1832	.1833	.1776	.1886	.1878	.1860	112.50
135.00	.7634	.6995	.6251	.6010	.5862	.4431	.4535	.4603	.4617	.4645	.4639		135.00
157.50	1.1608	1.0739	.9765	.9403	.9175	.7219	.7332	.7460	.7454	.7514	.7411	.7299	157.50
180.00	1.3324	1.2409	1.1423	1.0960	1.0733	.3436	.8579		.8672	.8758	.8653	.8565	180.00
202.50	1.1687	1.0828	.9911	.9513	.9275	.7213	.7294	.7486	.7404	.7503	.7410	.7340	202.50
225.00	.7781	.7092	.6425	.6096	.5992	.4537	.4486	.4621	.4640	.4643	.4605	.4611	225.00
247.50	.3783	.3334	.3030	.2758	.2698	.1960	.1886	.1944	.1971	.1963	.1946	.2001	247.50
270.00	.1237	.1019	.0860	.0693	.0650	.0375	.0313	.0354	.0361	.0338	.0309	.0395	270.00
292.50	.0056	-.0043	-.0090	-.0154	-.0189	-.0233	-.0293	-.0249	-.0244	-.0165	-.0269	-.0154	292.50
315.00	-.0264	-.0328	-.0324	-.0308	-.0340	-.0322	-.0327	-.0260	-.0261	-.0152	-.0245	-.0213	315.00
337.50		-.0317	-.0326	-.0334	-.0337	-.0335	-.0332	-.0269	-.0268	-.0157	-.0246	-.0233	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0113	.0188	.0114	.0163	.0017	.0137	-.0207	-.0259	-.0365	-.0238	-.0237	-.0233	0.00
22.50	-.0308	-.0284	-.0401	-.0064	-.0284	-.0257	-.0256	-.0253	-.0356	-.0234	-.0242	-.0235	22.50
45.00	-.0360	-.0333	-.0460	-.0079		-.0297	-.0274	-.0259	-.0351	-.0234	-.0240	-.0237	45.00
67.50	-.0092	-.0162	-.0321	.0016	-.0004	-.0276	-.0278	-.0294	-.0411	-.0271	-.0289	-.0219	67.50
90.00	.1049	.0883	.0641	.0767	.0627	.0313	.0333	.0294	.0184	.0312	.0316	.0299	90.00
112.50	.3786	.3465	.3065	.2996	.2846	.2119	.2142	.2120	.2117	.2176	.2178	.2170	112.50
135.00	.8145	.7711	.6948	.6709	.6516	.5027	.5287	.5355	.5330	.5323	.5302		135.00
157.50	1.2530	1.1946	1.0947	1.0546	1.0226	.8247	.8598	.8683	.8538	.8581	.8436	.8326	157.50
180.00	1.4447	1.3813	1.2608	1.2301	1.1979	.9657	1.0044	.9950	.9990	.9864	.9846	.9840	180.00
202.50	1.2622	1.2039	1.1105	1.0665	1.0339	.8248	.8538	.8705	.8500	.8583	.8450	.8428	202.50
225.00	.8320	.7818	.7103	.6797	.6649	.5172	.5257	.5374	.5347	.5330	.5284	.5280	225.00
247.50	.3959	.3610	.3322	.3047	.2985	.2230	.2232	.2285	.2259	.2254	.2250	.2319	247.50
270.00	.1264	.1091	.0952	.0778	.0751	.0483	.0432	.0463	.0406	.0439	.0418	.0540	270.00
292.50	.0050	-.0032	-.0164	-.0133	-.0166	-.0195	-.0265	-.0224	-.0327	-.0152	-.0249	-.0089	292.50
315.00	-.0267	-.0327	-.0427	-.0300	-.0301	-.0267	-.0272	-.0243	-.0349	-.0130	-.0227	-.0172	315.00
337.50		-.0319	-.0434	-.0329	-.0302	-.0277	-.0278	-.0249	-.0357	-.0136	-.0232	-.0195	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0108	.0196	.0168	.0182	-.0011	.0162	-.0186	-.0241	-.0244	-.0206	-.0272	-.0237	0.00
22.50	-.0316	-.0286	-.0291	-.0043	-.0314	-.0222	-.0231	-.0232	-.0232	-.0204	-.0275	-.0235	22.50
45.00	-.0367	-.0336	-.0343	-.0051		-.0256	-.0252	-.0238	-.0229	-.0265	-.0270	-.0239	45.00
67.50	-.0101	-.0157	-.0267	.0024	-.0056	-.0256	-.0262	-.0278	-.0287	-.0249	-.0332	-.0217	67.50
90.00	.1078	.0940	.0760	.0854	.0669	.0396	.0421	.0374	.0355	.0422	.0384	.0372	90.00
112.50	.3957	.3693	.3373	.3298	.3139	.2391	.2474	.2439	.2432	.2498	.2479	.2434	112.50
135.00	.8634	.8295	.7603	.7388	.7195	.5652	.6034	.6081	.6026	.5996	.5962		135.00
157.50	1.2322	1.2516	1.2060	1.1641	1.1331	.9287	.9798	.9833	.9640	.9636	.9479	.9428	157.50
180.00	1.3376	1.4978	1.4118	1.3561	1.3283	1.0881	1.1445		1.1257	1.1242	1.1116	1.1093	180.00
202.50	1.3460	1.3040	1.2207	1.1729	1.1418	.9263	.9740	.9873	.9627	.9683	.9536	.9520	202.50
225.00	.8780	.8395	.7761	.7480	.7336	.5806	.6011	.6104	.6033	.6009	.5960	.5987	225.00
247.50	.4135	.3846	.3617	.3361	.3288	.2485	.2560	.2592	.2593	.2572	.2557	.2640	247.50
270.00	.1300	.1156	.1067	.0881	.0823	.0570	.0540	.0566	.0582	.0555	.0490	.0671	270.00
292.50	.0045	-.0022	-.0054	-.0112	-.0215	-.0186	-.0243	-.0202	-.0200	-.0135	-.0294	-.0073	292.50
315.00	-.0272	-.0327	-.0313	-.0265	-.0324	-.0240	-.0253	-.0274	-.0226	-.0115	-.0260	-.0177	315.00
337.50		-.0321	-.0321	-.0294	-.0325	-.0251	-.0254	-.0229	-.0234	-.0119	-.0261	-.0195	337.50

TABLE III.- Concluded

(d) Concluded

ALPHA = 56.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.0104	.0193	.0230	.0218	.0009	.0231	-.0171	-.0211	-.0212	-.0144	-.0266	-.0207	0.00
22.50	-.0326	-.0290	-.0260	.0001	-.0290	-.0158	-.0218	-.0204	-.0202	-.0182	-.0266	-.0209	22.50
45.00	-.0375	-.0338	-.0314	.0003	-.0290	-.0220	-.0238	-.0203	-.0197	-.0182	-.0262	-.0216	45.00
67.50	-.0115	-.0160	-.0198	.0034	-.0054	-.0238	-.0250	-.0260	-.0266	-.0232	-.0321	-.0173	67.50
90.00	.0083	.0962	.0827	.0926	.0740	.0465	.0509	.0444	.0451	.0527	.0490	.0507	90.00
112.50	.4077	.3847	.3632	.3558	.3389	.2640	.2775	.2721	.2731	.2787	.2754	.2740	112.50
135.00	.9055	.8725	.8229	.8015	.7804	.6291	.6740	.6725	.6625	.6628	.6574	.6574	135.00
157.50	1.4075	1.3668	1.3126	1.2672	1.2352	1.3287	1.0954	1.0826	1.0665	1.0673	1.0489	1.0437	157.50
180.00	1.6343	1.5890	1.5378	1.4782	1.4496	1.1993	1.2801	1.2487	1.2487	1.2476	1.2341	1.2322	180.00
202.50	1.4254	1.3811	1.3275	1.2790	1.2482	1.0252	1.0936	1.0945	1.0716	1.0761	1.0569	1.0586	202.50
225.00	.9190	.8815	.8397	.8140	.7981	.6361	.6729	.6772	.6669	.6668	.6596	.6695	225.00
247.50	.4271	.4015	.3854	.3639	.3564	.2772	.2858	.2868	.2888	.2870	.2849	.2981	247.50
270.00	.1319	.1200	.1157	.0968	.0910	.0675	.0634	.0645	.0689	.0662	.0603	.0737	270.00
292.50	.0035	-.0019	-.0036	-.0101	-.0205	-.0144	-.0227	-.0183	-.0172	-.0118	-.0275	-.0039	292.50
315.00	-.0278	-.0331	-.0284	-.0201	-.0302	-.0201	-.0238	-.0197	-.0194	-.0110	-.0248	-.0165	315.00
337.50	-.0325	-.0293	-.0232	-.0302	-.0302	-.0211	-.0239	-.0202	-.0203	-.0099	-.0251	-.0186	337.50

ALPHA = 60.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.0100	.0200	.0261	.0237	.0077	.0217	-.0138	-.0191	-.0190	-.0174	-.0198	-.0229	0.00
22.50	-.0332	-.0281	-.0202	.0021	-.0204	-.0170	-.0181	-.0180	-.0182	-.0173	-.0200	-.0235	22.50
45.00	-.0381	-.0325	-.0227	.0023	-.0204	-.0221	-.0199	-.0185	-.0178	-.0170	-.0194	-.0242	45.00
67.50	-.0136	-.0165	-.0188	.0042	.0004	-.0260	-.0235	-.0245	-.0250	-.0219	-.0247	-.0175	67.50
90.00	.1043	.0971	.0875	.0981	.0812	.0518	.0580	.0536	.0543	.0604	.0599	.0533	90.00
112.50	.4054	.3946	.3839	.3778	.3573	.2969	.3057	.3020	.2993	.3054	.3022	.2983	112.50
135.00	.9240	.9084	.8770	.8571	.8252	.7063	.7402	.7365	.7173	.7253	.7185	.7185	135.00
157.50	1.4512	1.4327	1.4116	1.3634	1.3148	1.1610	1.2051	1.1845	1.1642	1.1728	1.1537	1.1541	157.50
180.00	1.6574	1.6539	1.6527	1.5944	1.5485	1.3588	1.4160	1.3697	1.3707	1.3558	1.3502	1.3502	180.00
202.50	1.4560	1.4440	1.4309	1.3837	1.3392	1.1673	1.2104	1.2000	1.1697	1.1772	1.1563	1.1583	202.50
225.00	.9472	.9259	.9004	.8776	.8526	.7306	.7416	.7430	.7253	.7310	.7218	.7307	225.00
247.50	.4274	.4126	.4118	.3896	.3797	.3167	.3140	.3177	.3163	.3162	.3136	.3194	247.50
270.00	.1277	.1210	.1215	.1047	.0997	.0737	.0715	.0749	.0794	.0747	.0720	.0846	270.00
292.50	.0013	-.0026	-.0028	-.0090	-.0135	-.0170	-.0207	-.0160	-.0149	-.0103	-.0199	-.0005	292.50
315.00	-.0285	-.0317	-.0216	-.0174	-.0212	-.0218	-.0201	-.0172	-.0173	-.0082	-.0180	-.0157	315.00
337.50	-.0311	-.0229	-.0204	-.0210	-.0210	-.0229	-.0201	-.0175	-.0182	-.0091	-.0185	-.0182	337.50

TABLE IV.- PRESSURE COEFFICIENTS FOR CIRCULAR-ARC—CIRCULAR-ARC MODEL

(a) $M_{\infty} = 1.6$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.3160	.2546	.1423	.0448	-.0271	-.0399	-.0472	-.0422	-.0403	-.0352	-.0358	-.0418	0.00
22.50	.3168	.2563	.1369	.0394	-.0378	-.0499	-.0535	-.0459	-.0425	-.0381	-.0408	-.0440	22.50
45.00	.2962	.2382	.1261	.0272	-.0492	-.0613	-.0548	-.0557	-.0469	-.0439	-.0505	-.0496	45.00
67.50	.2687	.2107	.0988	.0091	-.0635	-.0773	-.0642	-.0649	-.0543	-.0512	-.0555	-.0536	67.50
90.00	.2405	.1841	.0743	-.0096	-.0758	-.0867	-.0706	-.0645	-.0552	-.0486	-.0494	-.0554	90.00
112.50	.2173	.1636	.0569	-.0202	-.0827	-.0899	-.0709	-.0693	-.0511	-.0378	-.0414	-.0410	112.50
135.00	.1998	.1489	.0486	-.0227	-.0827	-.0861	-.0615	-.0483	-.0429	-.0266	-.0298	-.0269	135.00
157.50	.1891	.1384	.0437	-.0258	-.0807	-.0815	-.0590	-.0409	-.0286	-.0156	-.0192	-.0176	157.50
180.00	.1862	.1350	.0454	-.0267	-.0794	-.0804	-.0574	-.0243	-.0123	-.0109	-.0109	-.0201	180.00
202.50	.1891	.1371	.0464	-.0273	-.0809	-.0825	-.0596	-.0510	-.0274	-.0149	-.0140	-.0198	202.50
225.00	.1989	.1449	.0527	-.0249	-.0804	-.0858	-.0646	-.0512	-.0431	-.0255	-.0250	-.0286	225.00
247.50	.2105	.1565	.0665	-.0138	-.0846	-.0901	-.0738	-.0607	-.0498	-.0334	-.0383	-.0404	247.50
270.00	.2399	.1842	.0772	-.0092	-.0766	-.0879	-.0753	-.0635	-.0563	-.0429	-.0472	-.0443	270.00
292.50	.2708	.2116	.0952	.0083	-.0646	-.0767	-.0705	-.0626	-.0568	-.0493	-.0518	-.0506	292.50
315.00	.2976	.2365	.1225	.0248	-.0501	-.0624	-.0592	-.0553	-.0499	-.0444	-.0451	-.0487	315.00
337.50	.3185	.2552	.1378	.0381	-.0375	-.0521	-.0506	-.0465	-.0439	-.0381	-.0381	-.0442	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2439	.1867	.0842	.0008	-.0550	-.0596	-.0579	-.0446	-.0367	-.0295	-.0302	-.0369	0.00
22.50	.2531	.1952	.0871	.0012	-.0609	-.0669	-.0552	-.0470	-.0359	-.0283	-.0313	-.0355	22.50
45.00	.2521	.1941	.0860	.0013	-.0620	-.0690	-.0534	-.0477	-.0358	-.0292	-.0330	-.0361	45.00
67.50	.2512	.1903	.0862	.0012	-.0629	-.0719	-.0532	-.0486	-.0368	-.0305	-.0333	-.0374	67.50
90.00	.2508	.1893	.0858	-.0001	-.0635	-.0738	-.0535	-.0494	-.0365	-.0312	-.0332	-.0385	90.00
112.50	.2485	.1887	.0851	.0008	-.0641	-.0736	-.0544	-.0504	-.0356	-.0308	-.0333	-.0385	112.50
135.00	.2477	.1904	.0872	.0054	-.0623	-.0720	-.0523	-.0468	-.0344	-.0301	-.0298	-.0348	135.00
157.50	.2471	.1899	.0874	.0057	-.0613	-.0714	-.0569	-.0449	-.0333	-.0293	-.0291	-.0348	157.50
180.00	.2459	.1892	.0879	.0035	-.0617	-.0721	-.0605	-.0451	-.0331	-.0290	-.0276	-.0364	180.00
202.50	.2467	.1893	.0884	.0037	-.0627	-.0725	-.0571	-.0451	-.0335	-.0292	-.0269	-.0347	202.50
225.00	.2471	.1886	.0879	.0046	-.0608	-.0725	-.0554	-.0457	-.0349	-.0276	-.0278	-.0343	225.00
247.50	.2436	.1850	.0921	.0092	-.0657	-.0744	-.0575	-.0491	-.0361	-.0276	-.0321	-.0380	247.50
270.00	.2500	.1910	.0862	.0001	-.0646	-.0732	-.0571	-.0488	-.0370	-.0281	-.0318	-.0369	270.00
292.50	.2513	.1918	.0859	-.0002	-.0636	-.0695	-.0577	-.0480	-.0375	-.0278	-.0320	-.0361	292.50
315.00	.2520	.1930	.0868	-.0003	-.0615	-.0667	-.0584	-.0475	-.0370	-.0276	-.0320	-.0356	315.00
337.50	.2531	.1944	.0855	-.0007	-.0599	-.0660	-.0576	-.0461	-.0364	-.0279	-.0302	-.0364	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1813	.1280	.0382	-.0280	-.0709	-.0685	-.0563	-.0397	-.0247	-.0153	-.0160	-.0229	0.00
22.50	.1924	.1386	.0416	-.0278	-.0785	-.0773	-.0576	-.0443	-.0292	-.0173	-.0209	-.0218	22.50
45.00	.2021	.1479	.0469	-.0246	-.0803	-.0824	-.0615	-.0508	-.0408	-.0285	-.0266	-.0273	45.00
67.50	.2184	.1694	.0543	-.0190	-.0792	-.0855	-.0655	-.0560	-.0446	-.0406	-.0367	-.0393	67.50
90.00	.2430	.1822	.0763	-.0090	-.0731	-.0848	-.0607	-.0619	-.0485	-.0474	-.0455	-.0507	90.00
112.50	.2671	.2050	.0954	.0072	-.0624	-.0761	-.0619	-.0619	-.0494	-.0478	-.0508	-.0499	112.50
135.00	.2939	.2326	.1267	.0299	-.0645	-.0626	-.0498	-.0529	-.0433	-.0415	-.0433	-.0434	135.00
157.50	.3120	.2490	.1360	.0413	-.0377	-.0534	-.0469	-.0456	-.0369	-.0361	-.0383	-.0400	157.50
180.00	.3186	.2571	.1419	.0468	-.0338	-.0507	-.0502	-.0364	-.0347	-.0337	-.0337	-.0410	180.00
202.50	.3117	.2510	.1342	.0412	-.0376	-.0538	-.0492	-.0520	-.0424	-.0357	-.0352	-.0411	202.50
225.00	.2933	.2329	.1190	.0289	-.0447	-.0614	-.0561	-.0426	-.0469	-.0389	-.0420	-.0452	225.00
247.50	.2644	.2025	.1021	.0159	-.0610	-.0744	-.0670	-.0613	-.0499	-.0432	-.0489	-.0500	247.50
270.00	.2414	.1846	.0736	-.0093	-.0670	-.0799	-.0702	-.0614	-.0489	-.0447	-.0454	-.0420	270.00
292.50	.2188	.1636	.0569	-.0199	-.0763	-.0803	-.0688	-.0575	-.0441	-.0412	-.0380	-.0310	292.50
315.00	.2024	.1481	.0471	-.0262	-.0768	-.0774	-.0647	-.0505	-.0379	-.0274	-.0262	-.0223	315.00
337.50	.1926	.1389	.0408	-.0291	-.0753	-.0751	-.0602	-.0432	-.0276	-.0165	-.0207	-.0244	337.50

TABLE IV.- Continued

(a) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1290	.0804	.0066	-.0484	-.0623	-.0763	-.0379	-.0219	-.0147	-.0077	-.0124	-.0212	0.00
22.50	.1366	.0893	.0068	-.0528	-.0942	-.0895	-.0541	-.0376	-.0246	-.0213	-.0275	-.0293	22.50
45.00	.1461	.0981	.0062	-.0588	-.1080	-.1047	-.0777	-.0517	-.0375	-.0314	-.0327	-.0345	45.00
67.50	.1716	.1163	.0197	-.0557	-.1166	-.1186	-.1065	-.0865	-.0634	-.0566	-.0520	-.0528	67.50
90.00	.2157	.1569	.0512	-.0357	-.1056	-.1162	-.1148	-.1117	-.0878	-.0834	-.0819	-.0873	90.00
112.50	.2726	.2094	.0969	.0035	-.0762	-.0948	-.0932	-.1011	-.0937	-.0851	-.0888	-.0862	112.50
135.00	.3373	.2712	.1507	.0536	-.0347	-.0577	-.0533	-.0657	-.0652	-.0652	-.0676	-.0643	135.00
157.50	.3823	.3135	.1866	.0883	-.0038	-.0262	-.0244	-.0265	-.0406	-.0410	-.0460	-.0464	157.50
180.00	.4013	.3322	.2028	.0998	.0067	-.0151	-.0214		-.0348	-.0323	-.0337	-.0439	180.00
202.50	.3839	.3166	.1866	.0856	-.0047	-.0242	-.0337	-.0663	-.0471	-.0429	-.0431	-.0505	202.50
225.00	.3391	.2730	.1481	.0518	-.0285	-.0500	-.0620	-.0663	-.0714	-.0629	-.0663	-.0689	225.00
247.50	.2755	.2119	.1051	.0134	-.0714	-.0895	-.0982	-.1015	-.0971	-.0823	-.0866	-.0877	247.50
270.00	.2179	.1595	.0493	-.0341	-.1006	-.1123	-.1169	-.1110	-.0926	-.0819	-.0800	-.0766	270.00
292.50	.1734	.1190	.0193	-.0540	-.1126	-.1162	-.1087	-.0955	-.0664	-.0538	-.0513	-.0438	292.50
315.00	.1485	.0968	.0080	-.0574	-.1045	-.0991	-.0798	-.0509	-.0363	-.0307	-.0332	-.0304	315.00
337.50	.1385	.0889	.0069	-.0530	-.0919	-.0862	-.0548	-.0374	-.0240	-.0204	-.0274	-.0322	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2398	.0467	-.0207	-.0630	-.0839	-.0775	-.0327	-.0189	-.0113	-.0117	-.0152	-.0298	0.00
22.50	.0923	.0477	-.0270	-.0777	-.1041	-.0901	-.0623	-.0514	-.0559	-.0641	-.0773	-.0805	22.50
45.00	.0925	.0452	-.0397	-.1018	-.1417	-.1287	-.0925	-.0643	-.0553	-.0457	-.0475	-.0471	45.00
67.50	.1158	.0593	-.0343	-.1117	-.1757	-.1786	-.1718	-.1399	-.1026	-.0741	-.0623	-.0616	67.50
90.00	.1805	.1201	.0109	-.0802	-.1553	-.1695	-.1497	-.0926	-.0604	-.0451	-.0490	-.0377	90.00
112.50	.2741	.2081	.0854	-.0113	-.0976	-.1145	-.1348	-.1549	-.1491	-.1718	-.1751	-.1631	112.50
135.00	.3829	.3117	.1933	.0744	-.0201	-.0472	-.0536	-.0773	-.0928	-.1030	-.1112	-.1121	135.00
157.50	.4629	.3889	.2518	.1363	.0355	.0092	.0053	-.0163	-.0318	-.0373	-.0465	-.0542	157.50
180.00	.4940	.4174	.2790	.1605	.0602	.0314	.0244		-.0113	-.0142	-.0211	-.0414	180.00
202.50	.4641	.3847	.2515	.1367	.0384	.0127	-.0056	-.0792	-.0349	-.0368	-.0472	-.0613	202.50
225.00	.3864	.3150	.1828	.0764	-.0130	-.0350	-.0505	-.0793	-.0954	-.1017	-.1138	-.1207	225.00
247.50	.2800	.2121	.1019	.0028	-.0927	-.1175	-.1351	-.1561	-.1721	-.1741	-.1750	-.1659	247.50
270.00	.1841	.1252	.0112	-.0763	-.1519	-.1744	-.1946	-.2049	-.1892	-.1583	-.1486	-.1268	270.00
292.50	.1172	.0651	-.0340	-.1091	-.1722	-.1815	-.1751	-.1396	-.0947	-.0765	-.0604	-.0525	292.50
315.00	.0922	.0460	-.0394	-.1010	-.1360	-.1276	-.0981	-.0661	-.0509	-.0482	-.0478	-.0437	315.00
337.50	.0926	.0492	-.0278	-.0778	-.1012	-.0920	-.0596	-.0521	-.0539	-.0644	-.0749	-.0846	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0533	.0191	-.0345	-.0695	-.0902	-.0776	-.0345	-.0165	-.0121	-.0286	-.0308	-.0470	0.00
22.50	.0468	.0039	-.0746	-.0903	-.1162	-.1067	-.0902	-.0977	-.1210	-.1464	-.1729	-.1845	22.50
45.00	.0318	-.0101	-.0923	-.1435	-.1717	-.1604	-.1211	-.1119	-.1161	-.1357	-.1580	-.1653	45.00
67.50	.0454	-.0091	-.1038	-.1833	-.2519	-.2665	-.2839	-.2417	-.1577	-.1351	-.1324	-.1071	67.50
90.00	.1303	.0723	-.0395	-.1346	-.2078	-.2337	-.2698	-.3020	-.2907	-.1926	-.1438	-.1111	90.00
112.50	.2719	.2050	.0816	-.0254	-.1121	-.1365	-.1648	-.1913	-.2170	-.2373	-.2373	-.2100	112.50
135.00	.4349	.3586	.2197	.1030	-.0011	-.0206	-.0421	-.0692	-.0903	-.1068	-.1170	-.1266	135.00
157.50	.5512	.4706	.3243	.1982	.0873	.0601	.0488	.0230	.0026	-.0083	-.0179	-.0284	157.50
180.00	.6010	.5161	.3653	.2352	.1230	.0902	.0809	.0365	.0293	.0180	.0100	-.0040	180.00
202.50	.5585	.4776	.3261	.1994	.0893	.0615	.0444	-.0742	.0002	-.0074	-.0228	-.0369	202.50
225.00	.4414	.3651	.2211	.1040	.0097	-.0200	-.0457	-.0742	-.0910	-.1096	-.1225	-.1362	225.00
247.50	.2875	.2155	.0974	-.0122	-.1128	-.1408	-.1692	-.1942	-.2201	-.2368	-.2345	-.1975	247.50
270.00	.1396	.0805	-.0372	-.1318	-.2146	-.2384	-.2732	-.3014	-.2773	-.1741	-.1287	-.1093	270.00
292.50	.0487	-.0043	-.1043	-.1843	-.2541	-.2629	-.2556	-.2458	-.1505	-.1504	-.1366	-.1093	292.50
315.00	.0330	-.0109	-.0929	-.1444	-.1720	-.1565	-.1228	-.1092	-.1158	-.1374	-.1627	-.1767	315.00
337.50	.0482	.0055	-.0746	-.0932	-.1165	-.1075	-.0923	-.0986	-.1154	-.1458	-.1686	-.1856	337.50

TABLE IV.- Continued

(a) Continued

ALPHA = 20.0 DEG

THETA, DEG	.075	.125	.175	.225	.275	CP FOR .475	X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.0303	-.0108	-.0452	-.0857	-.1324	-.1854	-.2447	-.3094	-.3797	-.4546	-.5333	-.6160	0.00
22.50	-.0139	-.0534	-.1090	-.1713	-.2404	-.3164	-.3993	-.4882	-.5821	-.6810	-.7849	-.8938	22.50
45.00	-.0234	-.0636	-.1476	-.2528	-.3801	-.5296	-.7012	-.8949	-1.1107	-1.3486	-1.6107	-1.8980	45.00
67.50	-.0383	-.0863	-.1855	-.3215	-.4952	-.7076	-.9587	-1.2494	-1.5807	-1.9526	-2.3651	-2.8182	67.50
90.00	-.0709	-.1216	-.2095	-.3371	-.5064	-.7184	-.9741	-1.2744	-1.6203	-2.0128	-2.4519	-2.9376	90.00
112.50	.2621	.2016	.0730	-.0371	-.1209	-.1875	-.2366	-.2704	-.2997	-.3243	-.3443	-.3600	112.50
135.00	.4792	.4077	.2612	.1380	.0350	.0073	-.0151	-.0473	-.0876	-.1351	-.1887	-.2484	135.00
157.50	.6389	.5625	.4025	.2673	.1534	.0734	.0246	-.0173	-.0739	-.1352	-.2013	-.2722	157.50
180.00	.7060	.6252	.4592	.3171	.1948	.1060	.0518	-.0117	-.0996	-.1876	-.2757	-.3638	180.00
202.50	.6507	.5717	.4093	.2692	.1512	.0728	.0177	-.0515	-.1351	-.2230	-.3109	-.3988	202.50
225.00	.4943	.4202	.2676	.1406	.0397	.0110	-.0181	-.0896	-.1678	-.2501	-.3362	-.4223	225.00
247.50	.2842	.2137	.0969	-.0170	-.1223	-.1885	-.2304	-.2577	-.2707	-.2700	-.2567	-.2313	247.50
270.00	.0822	.0246	-.0918	-.1861	-.2635	-.3276	-.3752	-.4059	-.4200	-.4193	-.4047	-.3774	270.00
292.50	-.0362	-.0873	-.1867	-.2712	-.3322	-.3724	-.3927	-.3944	-.3786	-.3463	-.3000	-.2420	292.50
315.00	-.0259	-.0689	-.1478	-.2035	-.2317	-.2411	-.2285	-.2047	-.1700	-.1253	-.0720	-.0120	315.00
337.50	-.0139	-.0519	-.1015	-.1367	-.1517	-.1457	-.1293	-.1048	-.0748	-.0403	-.0036	.0336	337.50

ALPHA = 24.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR .475	X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	.0118	-.0163	-.0664	-.1028	-.1245	-.1178	-.1129	-.1614	-.1928	-.2184	-.2373	-.2492	0.00
22.50	-.0840	-.1289	-.1811	-.2010	-.2056	-.2097	-.2144	-.2264	-.2549	-.2804	-.2927	-.2998	22.50
45.00	-.0895	-.1370	-.2159	-.2851	-.3135	-.3063	-.3073	-.3423	-.4071	-.4671	-.5118	-.5412	45.00
67.50	-.1338	-.1800	-.2660	-.2916	-.3064	-.3004	-.2653	-.2095	-.1428	-.0673	-.0118	-.0173	67.50
90.00	.0148	-.0324	-.1389	-.2219	-.2878	-.3117	-.3048	-.2612	-.2260	-.2256	-.2268	-.2381	90.00
112.50	.2630	.2052	.0742	-.0307	-.1157	-.1450	-.1723	-.2021	-.2261	-.2404	-.2487	-.2516	112.50
135.00	.4316	.4591	.3059	.1801	.0753	.0447	.0242	-.0125	-.0355	-.0539	-.0643	-.0735	135.00
157.50	.5718	.6444	.4858	.3422	.2253	.1958	.1755	.1399	.1181	.0983	.0880	.0790	157.50
180.00	.6148	.7318	.5827	.4078	.2824	.2510	.2308	.1761	.1572	.1463	.1249	.1020	180.00
202.50	.7441	.6646	.4927	.3468	.2277	.2000	.1697	-.0148	.1172	.0958	.0858	.0718	202.50
225.00	.5473	.4747	.3162	.1896	.0820	.0527	.0174	-.0149	-.0373	-.0584	-.0692	-.0788	225.00
247.50	.2912	.2252	.0898	-.0192	-.1106	-.1401	-.1770	-.2022	-.2258	-.2428	-.2544	-.2593	247.50
270.00	.0359	-.0170	-.1346	-.2164	-.2864	-.3108	-.3208	-.3259	-.3263	-.3228	-.3160	-.3060	270.00
292.50	-.1273	-.1764	-.2597	-.3002	-.3111	-.3018	-.2681	-.2082	-.1415	-.0713	-.0000	.0713	292.50
315.00	-.0906	-.1372	-.2264	-.2730	-.3130	-.3041	-.3073	-.3449	-.3509	-.3499	-.3458	-.3340	315.00
337.50	-.0942	-.1240	-.1853	-.2336	-.2951	-.3198	-.3397	-.3267	-.2607	-.1823	-.0920	.0000	337.50

ALPHA = 28.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR .475	X/L = .575	.675	.775	.875	.925	.975	THETA, DEG
0.00	-.0154	-.0350	-.0997	-.1480	-.2076	-.2243	-.2215	-.2277	-.2256	-.2111	-.2114	-.2051	0.00
22.50	-.1592	-.2350	-.3109	-.3402	-.3618	-.3429	-.3069	-.2746	-.2424	-.2101	-.2091	-.2091	22.50
45.00	-.1659	-.2662	-.3483	-.2972	-.2368	-.2077	-.2017	-.2069	-.2543	-.2403	-.2424	-.2477	45.00
67.50	-.2133	-.2392	-.2711	-.2935	-.3073	-.2984	-.2820	-.2513	-.2431	-.2093	-.2261	-.2080	67.50
90.00	-.0263	-.0696	-.1633	-.2399	-.2992	-.3182	-.3149	-.2887	-.2581	-.2430	-.2346	-.2471	90.00
112.50	.2882	.2132	.0827	-.0180	-.1048	-.1304	-.1556	-.1889	-.2057	-.2257	-.2319	-.2341	112.50
135.00	.5888	.5124	.3539	.2339	.1219	.0932	.0692	.0301	.0089	-.0087	-.0200	-.0288	135.00
157.50	.6277	.7473	.5719	.4336	.3064	.2752	.2522	.2149	.1895	.1707	.1587	.1509	157.50
180.00	.5326	.8465	.6620	.5123	.3800	.3426	.3192	.2558	.2386	.2280	.2200	.2053	180.00
202.50	.6460	.7899	.6832	.4376	.3114	.2784	.2459	.2019	.1857	.1673	.1570	.1423	202.50
225.00	.6103	.6506	.5676	.2417	.1314	.1009	.0630	.0213	.0053	-.0147	-.0254	-.0390	225.00
247.50	.3039	.2335	.1036	-.0046	-.0993	-.1294	-.1630	-.1874	-.2100	-.2299	-.2390	-.2458	247.50
270.00	.0024	-.0486	-.1548	-.2323	-.2993	-.3201	-.3173	-.2844	-.2614	-.2588	-.2488	-.2366	270.00
292.50	-.2139	-.2648	-.2754	-.2973	-.3111	-.3048	-.2851	-.2444	-.2049	-.1666	-.1393	-.1224	292.50
315.00	-.1670	-.2078	-.2556	-.2980	-.3039	-.2899	-.2670	-.2278	-.1801	-.1348	-.0920	-.0517	315.00
337.50	-.1585	-.2387	-.3167	-.3446	-.3540	-.3394	-.3064	-.2799	-.2468	-.2097	-.1704	-.1294	337.50

TABLE IV.- Continued

(a) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0458	-.0766	-.1477	-.2071	-.2659	-.2807	-.2592	-.2558	-.2436	-.2236	-.2251	-.2245	0.00
22.50	-.2441	-.2997	-.3226	-.3444	-.3535	-.3412	-.3198	-.3033	-.2844	-.2677	-.2639	-.2503	22.50
45.00	-.2292	-.2552	-.3003	-.3247	-.3182	-.3118	-.3022	-.2889	-.2726	-.2623	-.2605	-.2343	45.00
67.50	-.2637	-.2843	-.2946	-.3145	-.3272	-.3180	-.2951	-.2809	-.2714	-.2540	-.2446	-.2309	67.50
90.00	-.0531	-.0968	-.1756	-.2493	-.3033	-.3217	-.3360	-.3201	-.2756	-.2708	-.2695	-.2553	90.00
112.50	.2760	.2182	.1012	-.0029	-.0849	-.1106	-.1436	-.1681	-.1857	-.2024	-.2089	-.2145	112.50
135.00	.6444	.5612	.4150	.2890	.1766	.1474	.1162	.0825	.0609	.0423	.0335	.0265	135.00
157.50	.9232	.8465	.6709	.5246	.3950	.3644	.3323	.2977	.2707	.2501	.2384	.2331	157.50
180.00	1.0447	.9546	.7772	.6199	.4808	.4455	.4125	.3789	.3489	.3284	.3178	.2934	180.00
202.50	.9463	.8569	.6819	.5313	.3995	.3683	.3269	.2897	.2658	.2453	.2386	.2213	202.50
225.00	.6886	.5842	.4288	.3031	.1866	.1572	.1151	.0796	.0577	.0362	.0282	.0126	225.00
247.50	.3174	.2441	.1214	.0167	-.0788	-.1079	-.1452	-.1689	-.1906	-.2070	-.2168	-.2248	247.50
270.00	-.0230	-.0734	-.1693	-.2413	-.3025	-.3241	-.3396	-.3063	-.2779	-.2726	-.2618	-.2492	270.00
292.50	-.2636	-.2861	-.3068	-.3174	-.3295	-.3216	-.2971	-.2981	-.2749	-.2529	-.2571	-.2466	292.50
315.00	-.2306	-.2546	-.2967	-.3228	-.3220	-.3174	-.3053	-.2919	-.3011	-.2647	-.2434	-.2425	315.00
337.50	-.2406	-.2931	-.3215	-.3421	-.3556	-.3432	-.3190	-.3133	-.2880	-.2845	-.2648	-.2522	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0763	-.1203	-.1877	-.2439	-.2969	-.3131	-.2767	-.2764	-.2515	-.2301	-.2307	-.2486	0.00
22.50	-.2947	-.3183	-.3441	-.3642	-.3683	-.3617	-.3352	-.3331	-.3184	-.3000	-.2944	-.2944	22.50
45.00	-.2705	-.2927	-.3280	-.3447	-.3530	-.3410	-.3268	-.3168	-.3136	-.2769	-.2729	-.2769	45.00
67.50	-.2994	-.3197	-.3321	-.3380	-.3506	-.3435	-.3255	-.3100	-.2911	-.2723	-.2589	-.2791	67.50
90.00	-.0731	-.1075	-.1882	-.2538	-.3046	-.3228	-.3420	-.3393	-.3046	-.2917	-.2847	-.2728	90.00
112.50	.2829	.2367	.1152	.0177	-.0636	-.0908	-.1210	-.1442	-.1598	-.1711	-.1808	-.1938	112.50
135.00	.6958	.6194	.4724	.3490	.2349	.2066	.1740	.1406	.1189	.1015	.0967	.0790	135.00
157.50	1.0151	.9369	.7678	.6192	.4875	.4604	.4190	.3865	.3621	.3383	.3352	.3160	157.50
180.00	1.1516	1.0639	.8889	.7288	.5850	.5543	.5119	.4537	.4292	.4234	.4234	.3868	180.00
202.50	1.0406	.9511	.7820	.6241	.4909	.4618	.4101	.3370	.3360	.3330	.3265	.3031	202.50
225.00	.7277	.6440	.4880	.3592	.2445	.2182	.1652	.1375	.1161	.0943	.0877	.0677	225.00
247.50	.3339	.2612	.1409	.0372	-.0562	-.0815	-.1274	-.1452	-.1647	-.1803	-.1901	-.2016	247.50
270.00	-.0429	-.0856	-.1783	-.2438	-.3027	-.3234	-.3465	-.3420	-.3071	-.2948	-.2810	-.2657	270.00
292.50	-.2977	-.3229	-.3434	-.3446	-.3522	-.3470	-.3266	-.3150	-.2976	-.2831	-.2749	-.2691	292.50
315.00	-.2772	-.2975	-.3269	-.3472	-.3577	-.3425	-.3329	-.3194	-.3169	-.2814	-.2762	-.2612	315.00
337.50	-.2962	-.3192	-.3435	-.3648	-.3714	-.3633	-.3432	-.3394	-.3211	-.3071	-.2912	-.2940	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1125	-.1503	-.2264	-.2832	-.3304	-.3301	-.2893	-.2929	-.2605	-.2847	-.2934	-.2911	0.00
22.50	-.3229	-.3461	-.3631	-.3786	-.3878	-.3796	-.3579	-.3576	-.3386	-.3405	-.3260	-.3261	22.50
45.00	-.3103	-.3274	-.3539	-.3654	-.3689	-.3595	-.3456	-.3317	-.3266	-.3056	-.3042	-.3119	45.00
67.50	-.3314	-.3511	-.3668	-.3615	-.3652	-.3554	-.3413	-.3277	-.3045	-.3049	-.3056	-.3084	67.50
90.00	-.0882	-.1220	-.1946	-.2576	-.3032	-.3193	-.3390	-.3315	-.3273	-.3199	-.3116	-.2987	90.00
112.50	.2896	.2488	.1272	.0355	-.0412	-.0602	-.0948	-.1191	-.1254	-.1434	-.1539	-.1660	112.50
135.00	.7449	.6672	.5253	.4049	.2905	.2752	.2269	.2015	.1857	.1639	.1522	.1375	135.00
157.50	1.1025	1.0262	.8637	.7163	.5750	.5616	.5031	.4820	.4668	.4307	.4203	.4036	157.50
180.00	1.2574	1.1721	1.0015	.8438	.6917	.6737	.6099	.5623	.5378	.5239	.5239	.4840	180.00
202.50	1.1319	1.0460	.8759	.7263	.5844	.5649	.4967	.4887	.4486	.4255	.4165	.3904	202.50
225.00	.7843	.7040	.5479	.4269	.3041	.2840	.2203	.1982	.1750	.1535	.1446	.1252	225.00
247.50	.3450	.2760	.1568	.0609	-.0320	-.0542	-.1050	-.1182	-.1335	-.1502	-.1622	-.1740	247.50
270.00	-.0564	-.1013	-.1852	-.2439	-.3024	-.3192	-.3447	-.3527	-.3392	-.3149	-.2925	-.2799	270.00
292.50	-.3215	-.3488	-.3801	-.3737	-.3755	-.3673	-.3556	-.3356	-.3165	-.3094	-.2886	-.2819	292.50
315.00	-.3191	-.3358	-.3555	-.3711	-.3799	-.3692	-.3593	-.3431	-.3337	-.2980	-.3001	-.2927	315.00
337.50	-.3299	-.3500	-.3679	-.3812	-.3946	-.3862	-.3690	-.3660	-.3466	-.3341	-.3194	-.3147	337.50

TABLE IV.- Continued

(a) Continued

ALPHA = 44.1 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1624	-.2042	-.2705	-.3130	-.3476	-.3499	-.2966	-.3249	-.3265	-.3431	-.3331	-.3302	0.00
22.50	-.3492	-.3692	-.3820	-.3939	-.4036	-.3950	-.3779	-.3767	-.3730	-.3669	-.3555	-.3223	22.50
45.00	-.3377	-.3539	-.3701	-.3791	-.3833	-.3735	-.3578	-.3439	-.3508	-.3460	-.3425	-.3065	45.00
67.50	-.3521	-.3690	-.3870	-.3764	-.3797	-.3697	-.3564	-.3375	-.3364	-.3388	-.3236	-.2949	67.50
90.00	-.1027	-.1347	-.2002	-.2575	-.3000	-.3123	-.3330	-.3440	-.3505	-.3526	-.3338	-.3122	90.00
112.50	.2931	.2574	.1515	.0582	-.0165	-.0336	-.0728	-.0847	-.1003	-.1114	-.1221	-.1297	112.50
135.00	.7905	.7173	.5906	.4639	.3517	.3375	.2858	.2714	.2442	.2312	.2191	.2080	135.00
157.50	1.1804	1.1094	.9557	.8108	.6719	.6594	.5955	.5867	.5487	.5360	.5142	.5029	157.50
180.00	1.3591	1.2716	1.1084	.9521	.8029	.7859	.7193		.6692	.6498	.6329	.5931	180.00
202.50	1.2137	1.1303	.9717	.8204	.6802	.6615	.5904	.2704	.5451	.5268	.5134	.4879	202.50
225.00	.8352	.7523	.6029	.4818	.3669	.3466	.2820	.2699	.2399	.2228	.2106	.1910	225.00
247.50	.3571	.2893	.1799	.0832	-.0438	-.0258	-.0731	-.0831	-.1044	-.1171	-.1310	-.1402	247.50
270.00	-.0693	-.1106	-.1865	-.2438	-.2977	-.3140	-.3362	-.3443	-.3548	-.3167	-.2913	-.2602	270.00
292.50	-.2414	-.3653	-.3965	-.3980	-.3962	-.3894	-.3735	-.3497	-.3299	-.3068	-.2946	-.2692	292.50
315.00	-.3483	-.3636	-.3754	-.3890	-.3978	-.3904	-.3752	-.3538	-.3390	-.3120	-.3084	-.3009	315.00
337.50	-.3565	-.3709	-.3889	-.4016	-.4122	-.4059	-.3907	-.3827	-.3688	-.3375	-.3260	-.3233	337.50

ALPHA = 48.2 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.2103	-.2512	-.3030	-.2265	-.3591	-.3586	-.3317	-.3739	-.3631	-.3524	-.2677	-.1523	0.00
22.50	-.3723	-.3881	-.4026	-.4130	-.4241	-.4126	-.4064	-.3933	-.3832	-.3584	-.2735	-.1728	22.50
45.00	-.3602	-.3700	-.3907	-.3985	-.4029	-.3922	-.3799	-.3673	-.3649	-.3404	-.2779	-.1798	45.00
67.50	-.3678	-.3827	-.4095	-.4040	-.3998	-.3888	-.3739	-.3573	-.3572	-.3275	-.3021	-.1835	67.50
90.00	-.1131	-.1460	-.2052	-.2573	-.2957	-.3039	-.3260	-.3361	-.3414	-.3390	-.2848	-.1784	90.00
112.50	.2939	.2639	.1661	.0786	.0084	-.0041	-.0612	-.0555	-.0657	-.0778	-.0850	-.0978	112.50
135.00	.8265	.7575	.6265	.5159	.4131	.4021	.3550	.3360	.3128	.2957	.2900	.2725	135.00
157.50	1.2518	1.1894	1.0410	.9032	.7882	.7551	.6986	.6814	.6493	.6259	.6153	.5995	157.50
180.00	1.4361	1.3627	1.2115	1.0627	.9152	.9008	.8357		.7823	.7580	.7480	.7037	180.00
202.50	1.2908	1.2123	1.0618	.9172	.7832	.7650	.6957	.3338	.6442	.6224	.6136	.5843	202.50
225.00	.8759	.8008	.6591	.5422	.4309	.4143	.3520	.3341	.3106	.2917	.2799	.2587	225.00
247.50	.3630	.2973	.1961	.1056	.0217	.0048	-.0437	-.0537	-.0691	-.0811	-.0954	-.1047	247.50
270.00	-.0803	-.1215	-.1921	-.2438	-.2929	-.3053	-.3281	-.3357	-.3480	-.3333	-.2832	-.1927	270.00
292.50	-.2531	-.3789	-.4067	-.4231	-.4106	-.4005	-.3796	-.3506	-.3412	-.3139	-.2961	-.1789	292.50
315.00	-.3260	-.3845	-.3960	-.4052	-.4096	-.3995	-.3832	-.3617	-.3501	-.3401	-.2734	-.1722	315.00
337.50	-.3740	-.3900	-.4070	-.4179	-.4263	-.4155	-.4078	-.3868	-.3712	-.3534	-.2753	-.1667	337.50

ALPHA = 52.4 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.2577	-.2893	-.3279	-.3167	-.2853	-.2714	-.2508	-.2224	-.1903	-.1615	-.1464	-.1264	0.00
22.50	-.4042	-.4191	-.4022	-.3597	-.3237	-.3006	-.2556	-.2198	-.1895	-.1643	-.1540	-.1392	22.50
45.00	-.3940	-.4058	-.3932	-.3542	-.3141	-.2901	-.2474	-.2147	-.1889	-.1613	-.1552	-.1443	45.00
67.50	-.3836	-.3937	-.3905	-.3408	-.2938	-.2643	-.2262	-.2067	-.1910	-.1550	-.1525	-.1469	67.50
90.00	-.1298	-.1581	-.2094	-.2529	-.2732	-.2544	-.2234	-.2041	-.1904	-.1509	-.1455	-.1594	90.00
112.50	.2863	.2645	.1795	.1007	.0366	.0246	-.0098	-.0221	-.0321	-.0407	-.0520	-.0598	112.50
135.00	.8483	.7877	.6810	.5782	.4775	.4691	.4251	.4047	.3862	.3705	.3584	.3424	135.00
157.50	1.3048	1.2493	1.1219	.9937	.8712	.8566	.8046	.7850	.7563	.7297	.7155	.6976	157.50
180.00	1.4996	1.4381	1.3072	1.1684	1.0333	1.0133	.9572		.9027	.8750	.8584	.8107	180.00
202.50	1.3466	1.2806	1.1468	1.0119	.8823	.8634	.8031	.4031	.7525	.7275	.7141	.6806	202.50
225.00	.9026	.8384	.7125	.6062	.4956	.4806	.4218	.4029	.3848	.3618	.3488	.3234	225.00
247.50	.3582	.3011	.2129	.1323	.0504	.0323	-.0112	-.0184	-.0325	-.0475	-.0631	-.0724	247.50
270.00	-.0988	-.1334	-.1946	-.2380	-.2421	-.2181	-.1917	-.1914	-.1787	-.1430	-.1372	-.1681	270.00
292.50	-.3755	-.3924	-.3940	-.3390	-.2743	-.2462	-.2079	-.1917	-.1751	-.1486	-.1488	-.1533	292.50
315.00	-.3882	-.3930	-.3783	-.3417	-.3046	-.2801	-.2381	-.2027	-.1771	-.1566	-.1518	-.1377	315.00
337.50	-.3961	-.3986	-.3991	-.3553	-.3013	-.2815	-.2472	-.2128	-.1835	-.1603	-.1495	-.1325	337.50

TABLE IV.- Continued

(a) Concluded

ALPHA = 56.7 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.2784	-.2457	-.1747	-.1377	-.1632	-.1723	-.1634	-.1310	-.0827	-.0333	-.0327	-.0444	0.00
22.50	-.3099	-.2659	-.1833	-.1403	-.1609	-.1714	-.1608	-.1287	-.0899	-.0323	-.0251	-.0309	22.50
45.00	-.3006	-.2565	-.1760	-.1377	-.1566	-.1707	-.1526	-.1221	-.0921	-.0330	-.0288	-.0311	45.00
67.50	-.3007	-.2537	-.1698	-.1349	-.1546	-.1688	-.1479	-.1121	-.0911	-.0274	-.0272	-.0298	67.50
90.00	-.1473	-.1668	-.1792	-.1375	-.1554	-.1682	-.1519	-.1066	-.0954	-.0186	-.0168	-.0224	90.00
112.50	.2762	.2638	.1917	.1201	.3668	.0557	.0250	.0117	.0035	-.0061	-.0162	-.0337	112.50
135.00	.8621	.8145	.7212	.6266	.5428	.5380	.4921	.4720	.4547	.4360	.4240	.3956	135.00
157.50	1.2435	1.3027	1.1946	1.0814	.9726	.9584	.9066	.8857	.8612	.8344	.8145	.7799	157.50
180.00	1.5492	1.5015	1.3917	1.2689	1.1470	1.1268	1.0764	1.0185	.9916	.9726	.9052	.8052	180.00
202.50	1.3872	1.3322	1.2178	1.0978	.9831	.9650	.9065	.8717	.8530	.8277	.8121	.7609	202.50
225.00	.9248	.8699	.7545	.6535	.5586	.5473	.4948	.4748	.4513	.4244	.4127	.3750	225.00
247.50	.3511	.3023	.2233	.1467	.0816	.0657	.0275	.0159	.0015	-.0148	-.0310	-.0497	247.50
270.00	-.1139	-.1397	-.1782	-.1453	-.1591	-.1768	-.1440	-.1258	-.0677	-.0309	-.0338	-.0555	270.00
292.50	-.2872	-.2349	-.1617	-.1360	-.1575	-.1726	-.1441	-.1255	-.0667	-.0395	-.0441	-.0530	292.50
315.00	-.2871	-.3413	-.1707	-.1394	-.1573	-.1704	-.1507	-.1279	-.0785	-.0500	-.0511	-.0516	315.00
337.50	-.3029	-.2530	-.1729	-.1402	-.1630	-.1730	-.1612	-.1327	-.0843	-.0487	-.0562	-.0557	337.50

TABLE IV.- Continued

(b) $M_{\infty} = 2.3$

ALPHA = -4.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.2878	.2390	.1410	.0696	.0073	-.0094	-.0078	-.0123	-.0158	-.0190	-.0207	-.0248	0.00
22.50	.2613	.2325	.1359	.0644	.0026	-.0124	-.0124	-.0197	-.0209	-.0229	-.0241	-.0256	22.50
45.00	.2613	.2141	.1204	.0514	-.0072	-.0202	-.0222	-.0273	-.0314	-.0285	-.0303	-.0338	45.00
67.50	.2340	.1871	.1015	.0355	-.0196	-.0337	-.0318	-.0346	-.0399	-.0340	-.0369	-.0446	67.50
90.00	.2098	.1623	.0805	.0184	-.0313	-.0422	-.0384	-.0406	-.0396	-.0343	-.0342	-.0365	90.00
112.50	.1856	.1397	.0650	.0071	-.0388	-.0470	-.0389	-.0387	-.0328	-.0259	-.0248	-.0251	112.50
135.00	.1684	.1257	.0532	-.0008	-.0411	-.0478	-.0351	-.0304	-.0243	-.0187	-.0171	-.0160	135.00
157.50	.1571	.1177	.0477	-.0040	-.0415	-.0480	-.0367	-.0228	-.0186	-.0133	-.0122	-.0127	157.50
180.00	.1547	.1154	.0464	-.0045	-.0417	-.0474	-.0303	-.0228	-.0172	-.0109	-.0103	-.0112	180.00
202.50	.1593	.1195	.0485	-.0041	-.0424	-.0470	-.0333	-.0261	-.0198	-.0130	-.0123	-.0139	202.50
225.00	.1695	.1283	.0553	.0001	-.0411	-.0474	-.0360	-.0374	-.0265	-.0193	-.0166	-.0166	225.00
247.50	.1883	.1459	.0672	.0094	-.0376	-.0467	-.0403	-.0383	-.0347	-.0271	-.0255	-.0265	247.50
270.00	.2141	.1691	.0852	.0231	-.0282	-.0407	-.0384	-.0380	-.0381	-.0349	-.0338	-.0349	270.00
292.50	.2431	.1964	.1054	.0393	-.0175	-.0293	-.0316	-.0335	-.0349	-.0349	-.0350	-.0367	292.50
315.00	.2673	.2185	.1258	.0537	-.0058	-.0189	-.0218	-.0247	-.0272	-.0270	-.0291	-.0289	315.00
337.50	.2854	.2342	.1370	.0646	.0036	-.0119	-.0142	-.0168	-.0203	-.0204	-.0227	-.0268	337.50

ALPHA = 0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.2111	.1696	.0888	.0283	-.0250	-.0348	-.0257	-.0234	-.0222	-.0192	-.0182	-.0209	0.00
22.50	.2111	.1694	.0884	.0267	-.0258	-.0362	-.0269	-.0269	-.0235	-.0201	-.0193	-.0194	22.50
45.00	.2104	.1697	.0871	.0255	-.0253	-.0351	-.0286	-.0273	-.0249	-.0195	-.0195	-.0217	45.00
67.50	.2088	.1663	.0866	.0253	-.0248	-.0356	-.0286	-.0269	-.0261	-.0192	-.0210	-.0290	67.50
90.00	.2103	.1651	.0845	.0231	-.0248	-.0348	-.0280	-.0262	-.0257	-.0196	-.0222	-.0267	90.00
112.50	.2110	.1661	.0845	.0239	-.0251	-.0342	-.0277	-.0262	-.0266	-.0202	-.0224	-.0246	112.50
135.00	.2127	.1687	.0835	.0230	-.0250	-.0343	-.0272	-.0275	-.0275	-.0211	-.0226	-.0231	135.00
157.50	.2138	.1684	.0848	.0237	-.0251	-.0358	-.0261	-.0267	-.0265	-.0210	-.0225	-.0247	157.50
180.00	.2151	.1701	.0879	.0253	-.0248	-.0359	-.0272	-.0272	-.0251	-.0231	-.0221	-.0253	180.00
202.50	.2175	.1721	.0882	.0255	-.0244	-.0343	-.0281	-.0290	-.0267	-.0229	-.0224	-.0245	202.50
225.00	.2183	.1725	.0888	.0276	-.0231	-.0329	-.0277	-.0275	-.0263	-.0221	-.0205	-.0205	225.00
247.50	.2204	.1766	.0911	.0298	-.0224	-.0335	-.0279	-.0270	-.0249	-.0215	-.0214	-.0239	247.50
270.00	.2205	.1756	.0919	.0298	-.0221	-.0345	-.0285	-.0260	-.0239	-.0209	-.0209	-.0226	270.00
292.50	.2201	.1756	.0925	.0298	-.0236	-.0340	-.0296	-.0264	-.0241	-.0207	-.0200	-.0218	292.50
315.00	.2176	.1733	.0936	.0283	-.0239	-.0345	-.0292	-.0255	-.0241	-.0195	-.0186	-.0183	315.00
337.50	.2148	.1699	.0896	.0272	-.0248	-.0358	-.0293	-.0253	-.0248	-.0193	-.0181	-.0207	337.50

ALPHA = 4.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.1540	.1170	.0467	-.0043	-.0420	-.0467	-.0295	-.0219	-.0150	-.0101	-.0091	-.0142	0.00
22.50	.1660	.1179	.0497	-.0040	-.0433	-.0492	-.0256	-.0256	-.0172	-.0113	-.0110	-.0139	22.50
45.00	.1660	.1264	.0544	-.0013	-.0430	-.0502	-.0361	-.0317	-.0245	-.0163	-.0156	-.0198	45.00
67.50	.1845	.1384	.0655	.0059	-.0403	-.0504	-.0398	-.0374	-.0338	-.0239	-.0229	-.0321	67.50
90.00	.2064	.1598	.0802	.0158	-.0338	-.0467	-.0387	-.0397	-.0393	-.0316	-.0320	-.0381	90.00
112.50	.2345	.1858	.1000	.0325	-.0234	-.0373	-.0324	-.0365	-.0395	-.0337	-.0366	-.0413	112.50
135.00	.2621	.2121	.1175	.0476	-.0104	-.0261	-.0231	-.0289	-.0334	-.0308	-.0328	-.0382	135.00
157.50	.2817	.2306	.1335	.0606	-.0002	-.0179	-.0142	-.0213	-.0237	-.0266	-.0277	-.0344	157.50
180.00	.2905	.2397	.1417	.0670	.0045	-.0141	-.0110	-.0211	-.0211	-.0248	-.0264	-.0313	180.00
202.50	.2874	.2363	.1375	.0638	.0017	-.0146	-.0138	-.0207	-.0242	-.0241	-.0278	-.0334	202.50
225.00	.2720	.2208	.1251	.0535	-.0062	-.0222	-.0215	-.0274	-.0302	-.0304	-.0307	-.0362	225.00
247.50	.2467	.1983	.1068	.0377	-.0205	-.0358	-.0317	-.0357	-.0364	-.0353	-.0362	-.0410	247.50
270.00	.2184	.1725	.0857	.0210	-.0329	-.0462	-.0406	-.0409	-.0392	-.0350	-.0340	-.0371	270.00
292.50	.1939	.1500	.0684	.0081	-.0416	-.0515	-.0432	-.0394	-.0343	-.0272	-.0259	-.0291	292.50
315.00	.1732	.1333	.0579	-.0009	-.0443	-.0520	-.0393	-.0327	-.0252	-.0178	-.0173	-.0193	315.00
337.50	.1607	.1215	.0493	-.0054	-.0438	-.0499	-.0345	-.0264	-.0189	-.0122	-.0122	-.0168	337.50

TABLE IV.- Continued

(b) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1026	.0704	.0160	-.0229	-.0504	-.0496	-.0275	-.0179	-.0132	-.0087	-.0078	-.0144	0.00
22.50	.0717	.0158	-.0262	-.0554	-.0582	-.0582	-.0282	-.0251	-.0259	-.0291	-.0291	-.0354	22.50
45.00	.1150	.0798	.0181	-.0288	-.0648	-.0704	-.0532	-.0427	-.0358	-.0314	-.0318	-.0374	45.00
67.50	.1448	.1007	.0323	-.0237	-.0684	-.0790	-.0749	-.0700	-.0573	-.0412	-.0375	-.0447	67.50
90.00	.1885	.1428	.0618	-.0029	-.0548	-.0708	-.0728	-.0882	-.0886	-.0756	-.0669	-.0667	90.00
112.50	.2501	.1989	.1064	.0346	-.0274	-.0454	-.0484	-.0618	-.0721	-.0772	-.0819	-.0881	112.50
135.00	.3134	.2576	.1514	.0741	.0062	-.0138	-.0173	-.0304	-.0391	-.0467	-.0514	-.0601	135.00
157.50	.3587	.3007	.1893	.1060	.0330	.0098	.0096	-.0034	-.0107	-.0204	-.0239	-.0333	157.50
180.00	.3788	.3200	.2066	.1194	.0448	.0191	.0189	-.0010	-.0107	-.0063	-.0137	-.0233	180.00
202.50	.3663	.3077	.1944	.1095	.0364	.0132	.0110	-.0012	-.0107	-.0150	-.0212	-.0323	202.50
225.00	.3262	.2676	.1601	.0817	.0123	-.0095	-.0135	-.0262	-.0363	-.0430	-.0466	-.0500	225.00
247.50	.2673	.2128	.1135	.0422	-.0215	-.0412	-.0455	-.0587	-.0694	-.0761	-.0812	-.0877	247.50
270.00	.2052	.1553	.0672	.0035	-.0510	-.0676	-.0728	-.0833	-.0894	-.0834	-.0757	-.0702	270.00
292.50	.1523	.1083	.0326	-.0217	-.0685	-.0792	-.0797	-.0759	-.0617	-.0467	-.0418	-.0432	292.50
315.00	.1221	.0836	.0172	-.0287	-.0668	-.0711	-.0578	-.0467	-.0377	-.0333	-.0334	-.0368	315.00
337.50	.1080	.0726	.0145	-.0264	-.0569	-.0570	-.0381	-.0292	-.0255	-.0256	-.0285	-.0371	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0657	.0390	-.0037	-.0337	-.0566	-.0544	-.0307	-.0187	-.0134	-.0081	-.0088	-.0148	0.00
22.50	.0366	-.0099	-.0428	-.0667	-.0675	-.0675	-.0614	-.0745	-.0859	-.0915	-.0929	-.1085	22.50
45.00	.0676	.0363	-.0200	-.0616	-.0909	-.0933	-.0768	-.0761	-.0882	-.0997	-.1059	-.1085	45.00
67.50	.0980	.0578	-.0091	-.0654	-.1115	-.1241	-.1317	-.1134	-.0935	-.0766	-.0726	-.0724	67.50
90.00	.1634	.1213	.0383	-.0286	-.0825	-.0995	-.1141	-.1334	-.1377	-.1036	-.0871	-.0753	90.00
112.50	.2626	.2113	.1124	.0363	-.0299	-.0479	-.0604	-.0791	-.0923	-.1032	-.1111	-.1166	112.50
135.00	.3680	.3089	.1894	.1055	.0300	.0093	-.0012	-.0197	-.0312	-.0433	-.0494	-.0556	135.00
157.50	.4452	.3822	.2554	.1607	.0773	.0531	.0451	.0276	.0150	.0041	-.0007	-.0090	157.50
180.00	.4776	.4122	.2829	.1834	.0964	.0701	.0627	.0334	.0257	.0187	.0103	.0100	180.00
202.50	.4554	.3900	.2607	.1662	.0802	.0578	.0471	.0306	.0168	.0112	.0040	-.0065	202.50
225.00	.3835	.3211	.2004	.1162	.0361	.0165	.0022	-.0161	-.0292	-.0377	-.0428	-.0500	225.00
247.50	.2834	.2280	.1231	.0466	-.0221	-.0425	-.0575	-.0745	-.0901	-.0999	-.1069	-.1136	247.50
270.00	.1804	.1334	.0460	-.0205	-.0778	-.0964	-.1135	-.1303	-.1406	-.1146	-.0978	-.0842	270.00
292.50	.1039	.0649	-.0074	-.0631	-.1115	-.1253	-.1395	-.1259	-.0987	-.0827	-.0766	-.0727	292.50
315.00	.0706	.0369	-.0230	-.0635	-.0963	-.1005	-.0863	-.0821	-.0944	-.1049	-.1073	-.1064	315.00
337.50	.0652	.0355	-.0125	-.0428	-.0681	-.0677	-.0514	-.0514	-.0634	-.0791	-.0897	-.1003	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0367	.0169	-.0188	-.0441	-.0635	-.0632	-.0363	-.0225	-.0307	-.0607	-.0738	-.0886	0.00
22.50	.0054	-.0317	-.0600	-.0832	-.0872	-.0872	-.1160	-.1418	-.1375	-.1389	-.1341	-.1341	22.50
45.00	.0207	-.0129	-.0649	-.1040	-.1361	-.1492	-.1496	-.1501	-.1555	-.1441	-.1306	-.1168	45.00
67.50	.0463	.0073	-.0579	-.1147	-.1594	-.1658	-.1503	-.1365	-.1174	-.1030	-.1010	-.1007	67.50
90.00	.1397	.0969	.0169	-.0513	-.1037	-.1208	-.1361	-.1517	-.1304	-.1059	-.0980	-.0946	90.00
112.50	.2774	.2260	.1236	.0427	-.0252	-.0462	-.0591	-.0797	-.0928	-.1041	-.1167	-.1127	112.50
135.00	.4288	.3663	.2399	.1457	.0625	.0372	.0254	.0041	-.0097	-.0226	-.0295	-.0371	135.00
157.50	.5395	.4726	.3349	.2263	.1310	.1022	.0940	.0726	.0569	.0444	.0395	.0266	157.50
180.00	.5893	.5186	.3764	.2608	.1599	.1280	.1195	.0828	.0628	.0738	.0654	.0525	180.00
202.50	.5547	.4840	.3435	.2332	.1351	.1065	.0953	.0757	.0599	.0518	.0441	.0297	202.50
225.00	.4481	.3814	.2530	.1568	.0707	.0436	.0286	.0088	-.0061	-.0175	-.0223	-.0299	225.00
247.50	.3034	.2450	.1379	.0550	-.0170	-.0418	-.0577	-.0756	-.0910	-.1018	-.1077	-.1137	247.50
270.00	.1582	.1116	.0239	-.0407	-.0988	-.1195	-.1357	-.1506	-.1356	-.1103	-.1007	-.0973	270.00
292.50	.0525	.0147	-.0546	-.1082	-.1574	-.1714	-.1536	-.1382	-.1180	-.1037	-.1008	-.0994	292.50
315.00	.0201	-.0106	-.0645	-.1099	-.1398	-.1493	-.1498	-.1482	-.1540	-.1469	-.1315	-.1178	315.00
337.50	.0308	.0045	-.0425	-.0630	-.0841	-.0888	-.0901	-.1230	-.1444	-.1443	-.1414	-.1343	337.50

TABLE IV.- Continued

(b) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0159	-.0011	-.0351	-.0545	-.0757	-.0750	-.0672	-.0865	-.1101	-.1205	-.1232	-.1264	0.00
22.50		-.0430	-.0595	-.0874	-.1380	-.1643		-.1788	-.1667	-.1432	-.1366	-.1293	22.50
45.00	-.0273	-.0596	-.1115	-.1449	-.1605	-.1654	-.1613	-.1532	-.1553	-.1366	-.1293	-.1244	45.00
67.50	-.0112	-.0444	-.0997	-.1499	-.1746	-.1643	-.1539	-.1406	-.1286	-.1203	-.1111	-.1136	67.50
90.00	.1177	.0758	.0005	-.0647	-.1148	-.1299	-.1441	-.1543	-.1310	-.1147	-.1111	-.1109	90.00
112.50	.2946	.2430	.1402	.0566	-.0145	-.0337	-.0496	-.0705	-.0842	-.0934	-.1017	-.1063	112.50
135.00	.4897	.4244	.2947	.1918	.0995	.0756	.0599	.0357	.0205	.0073	.0006	-.0061	135.00
157.50	.6378	.5671	.4242	.3016	.1930	.1647	.1532	.1279	.1079	.0962	.0885	.0785	157.50
180.00	.7040	.6297	.4798	.3483	.2332	.2009	.1893		.1438	.1358	.1250	.1139	180.00
202.50	.6575	.5839	.4353	.3107	.1993	.1702	.1539	.1321	.1104	.1025	.0931	.0811	202.50
225.00	.5115	.4447	.3096	.2051	.1095	.0805	.0640	.0419	.0250	.0136	.0077		225.00
247.50	.3223	.2652	.1548	.0697	-.0060	-.0326	-.0488	-.0664	-.0828	-.0938	-.0977	-.1057	247.50
270.00	.1367	.0927	.0089	-.0536	-.1102	-.1298	-.1433	-.1544	-.1305	-.1136	-.1109	-.1106	270.00
292.50	-.0001	-.0344	-.0966	-.1420	-.1783	-.1694	-.1504	-.1374	-.1290	-.1193	-.1119	-.1082	292.50
315.00	-.0283	-.0521	-.1016	-.1326	-.1635	-.1675	-.1578	-.1493	-.1550	-.1338	-.1260	-.1203	315.00
337.50	-.0111	-.0359	-.0871	-.1161	-.1557	-.1606	-.1803	-.1787	-.1628	-.1378	-.1254	-.1216	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0024	-.0191	-.0483	-.0792	-.1175	-.1267	-.1285	-.1320	-.1423	-.1254	-.1286	-.1334	0.00
22.50		-.0974	-.1407	-.1694	-.1800	-.1790		-.1637	-.1544	-.1467	-.1442	-.1420	22.50
45.00	-.0693	-.0942	-.1296	-.1535	-.1691	-.1669	-.1564	-.1515	-.1494	-.1455	-.1426	-.1361	45.00
67.50	-.0517	-.0800	-.1262	-.1658	-.1723	-.1653	-.1590	-.1499	-.1413	-.1311	-.1299	-.1259	67.50
90.00	.0971	.0604	-.0089	-.0715	-.1184	-.1303	-.1450	-.1572	-.1486	-.1330	-.1352	-.1323	90.00
112.50	.3111	.2629	.1596	.0744	.0014	-.0171	-.0350	-.0537	-.0676	-.0759	-.0844	-.0890	112.50
135.00	.5538	.4875	.3546	.2456	.1448	.1220	.1022	.0775	.0600	.0473	.0413	.0355	135.00
157.50	.7398	.6679	.5190	.3870	.2655	.2383	.2207	.1939	.1694	.1590	.1486	.1414	157.50
180.00	.8245	.7476	.5901	.4477	.3168	.2838	.2669		.2151	.2061	.1920	.1836	180.00
202.50	.7628	.6858	.5308	.3972	.2717	.2399	.2217	.1968	.1713	.1646	.1518	.1402	202.50
225.00	.5787	.5120	.3697	.2606	.1554	.1252	.1065	.0822	.0630	.0518	.0443		225.00
247.50	.3453	.2865	.1737	.0895	.0105	-.0150	-.0334	-.0512	-.0680	-.0766	-.0833	-.0917	247.50
270.00	.1228	.0803	.0002	-.0597	-.1130	-.1320	-.1458	-.1576	-.1501	-.1332	-.1291	-.1295	270.00
292.50	-.0407	-.0711	-.1239	-.1600	-.1782	-.1701	-.1583	-.1489	-.1399	-.1313	-.1263	-.1260	292.50
315.00	-.0719	-.0952	-.1318	-.1545	-.1687	-.1686	-.1600	-.1508	-.1467	-.1457	-.1402	-.1343	315.00
337.50	-.0621	-.0900	-.1364	-.1542	-.1746	-.1780	-.1730	-.1640	-.1525	-.1482	-.1430	-.1404	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0247	-.0457	-.0783	-.1152	-.1509	-.1562	-.1515	-.1422	-.1508	-.1372	-.1354	-.1374	0.00
22.50		-.1307	-.1569	-.1747	-.1843	-.1828		-.1756	-.1671	-.1606	-.1602	-.1578	22.50
45.00	-.1046	-.1235	-.1506	-.1673	-.1770	-.1767	-.1702	-.1667	-.1607	-.1566	-.1537	-.1489	45.00
67.50	-.0759	-.0994	-.1403	-.1754	-.1820	-.1746	-.1674	-.1627	-.1570	-.1487	-.1462	-.1471	67.50
90.00	.0852	.0517	-.0096	-.0731	-.1170	-.1287	-.1408	-.1546	-.1612	-.1625	-.1633	-.1555	90.00
112.50	.3291	.2845	.1809	.0980	.0232	.0065	-.0143	-.0332	-.0483	-.0573	-.0656	-.0675	112.50
135.00	.6123	.5503	.4159	.3048	.1971	.1772	.1509	.1249	.1038	.0941	.0864	.0816	135.00
157.50	.8383	.7711	.6169	.4791	.3473	.3193	.2984	.2697	.2423	.2312	.2200	.2115	157.50
180.00	.9446	.8688	.7043	.5552	.4138	.3779	.3566		.3003	.2886	.2730	.2642	180.00
202.50	.8701	.7935	.6316	.4911	.3555	.3241	.2989	.2737	.2453	.2366	.2225	.2115	202.50
225.00	.6436	.5772	.4327	.3195	.2088	.1763	.1540	.1297	.1088	.0969	.0872		225.00
247.50	.3665	.3114	.1971	.1114	.0321	.0065	-.0144	-.0318	-.0491	-.0568	-.0657	-.0713	247.50
270.00	.1113	.0695	-.0051	-.0624	-.1120	-.1304	-.1459	-.1563	-.1660	-.1646	-.1583	-.1495	270.00
292.50	-.0684	-.0938	-.1395	-.1703	-.1865	-.1792	-.1670	-.1619	-.1561	-.1497	-.1473	-.1442	292.50
315.00	-.1064	-.1255	-.1502	-.1646	-.1772	-.1776	-.1699	-.1644	-.1604	-.1569	-.1523	-.1477	315.00
337.50	-.1085	-.1282	-.1547	-.1711	-.1836	-.1824	-.1757	-.1729	-.1650	-.1611	-.1581	-.1551	337.50

TABLE IV.- Continued

(b) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0474	-.0676	-.1042	-.1369	-.1645	-.1625	-.1559	-.1550	-.1553	-.1516	-.1533	-.1591	0.00
22.50		-.1528	-.1725	-.1842	-.1920	-.1921		-.1843	-.1799	-.1748	-.1741	-.1679	22.50
45.00	-.1332	-.1469	-.1653	-.1786	-.1886	-.1887	-.1836	-.1749	-.1728	-.1653	-.1641	-.1603	45.00
67.50	-.0938	-.1154	-.1478	-.1815	-.1959	-.1873	-.1796	-.1765	-.1681	-.1601	-.1628	-.1602	67.50
90.00	.0774	.0475	-.0126	-.0698	-.1120	-.1238	-.1371	-.1490	-.1546	-.1652	-.1668	-.1666	90.00
112.50	.3475	.3056	.2042	.1218	.0462	.0317	.0086	-.0103	-.0207	-.0309	-.0377	-.0407	112.50
135.00	.6735	.6130	.4796	.3676	.2550	.2308	.2053	.1790	.1600	.1488	.1397	.1346	135.00
157.50	.9423	.8754	.7212	.5788	.4407	.4071	.3837	.3549	.3276	.3126	.2997	.2888	157.50
180.00	1.0674	.9881	.8246	.6677	.5207	.4791	.4539		.3962	.3809	.3639	.3521	180.00
202.50	.9750	.8956	.7356	.5878	.4466	.4120	.3831	.3569	.3263	.3153	.3010	.2906	202.50
225.00	.7096	.6410	.4989	.3824	.2667	.2320	.2076	.1832	.1580	.1470	.1390		225.00
247.50	.3898	.3328	.2232	.1406	.0575	.0292	.0073	-.0078	-.0277	-.0345	-.0394	-.0472	247.50
270.00	-.1027	-.0643	-.0061	-.0596	-.1095	-.1258	-.1418	-.1521	-.1627	-.1649	-.1684	-.1702	270.00
292.50	-.0879	-.1108	-.1497	-.1769	-.1998	-.1927	-.1812	-.1766	-.1689	-.1611	-.1587	-.1559	292.50
315.00	-.1352	-.1480	-.1664	-.1753	-.1878	-.1891	-.1838	-.1760	-.1727	-.1660	-.1617	-.1606	315.00
337.50	-.1325	-.1499	-.1684	-.1809	-.1914	-.1901	-.1847	-.1834	-.1800	-.1750	-.1716	-.1673	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0702	-.0877	-.1207	-.1490	-.1710	-.1678	-.1622	-.1690	-.1704	-.1726	-.1744	-.1755	0.00
22.50		-.1685	-.1846	-.1940	-.2006	-.2010		-.1926	-.1908	-.1820	-.1794	-.1753	22.50
45.00	-.1551	-.1658	-.1789	-.1901	-.1978	-.1974	-.1920	-.1848	-.1802	-.1719	-.1702	-.1716	45.00
67.50	-.1085	-.1277	-.1547	-.1848	-.2055	-.2004	-.1906	-.1838	-.1767	-.1707	-.1698	-.1664	67.50
90.00	.0703	.0418	-.0123	-.0658	-.1057	-.1173	-.1292	-.1401	-.1466	-.1546	-.1574	-.1596	90.00
112.50	.3637	.3244	.2268	.1479	.0735	.0493	.0396	.0222	.0069	-.0026	-.0078	-.0157	112.50
135.00	.7330	.6696	.5409	.4275	.3141	.2898	.2661	.2395	.2138	.2095	.1990	.1922	135.00
157.50	1.0455	.9741	.8225	.6768	.5377	.4996	.4781	.4499	.4212	.4041	.3919	.3766	157.50
180.00	1.1883	1.1057	.9441	.7851	.6338	.5835	.5612		.5037	.4840	.4696	.4512	180.00
202.50	1.0815	.9978	.8412	.6907	.5473	.5045	.4771	.4525	.4198	.4084	.3965	.3797	202.50
225.00	.7730	.7036	.5628	.4469	.3281	.2906	.2675	.2415	.2181	.2100	.2006		225.00
247.50	.4085	.3540	.2465	.1647	.0836	.0540	.0342	.0205	.0053	-.0032	-.0088	-.0179	247.50
270.00	.0953	.0594	-.0083	-.0550	-.1043	-.1198	-.1344	-.1461	-.1543	-.1563	-.1595	-.1637	270.00
292.50	-.1033	-.1231	-.1580	-.1798	-.2065	-.2064	-.1925	-.1860	-.1768	-.1710	-.1691	-.1659	292.50
315.00	-.1579	-.1668	-.1801	-.1861	-.1966	-.1973	-.1921	-.1855	-.1802	-.1729	-.1726	-.1725	315.00
337.50	-.1535	-.1650	-.1800	-.1887	-.1993	-.1981	-.1925	-.1917	-.1897	-.1827	-.1793	-.1762	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0959	-.1072	-.1335	-.1577	-.1759	-.1753	-.1747	-.1900	-.1876	-.1874	-.1859	-.1868	0.00
22.50		-.1824	-.1952	-.2025	-.2081	-.2075		-.1971	-.1910	-.1869	-.1860	-.1856	22.50
45.00	-.1711	-.1797	-.1894	-.1985	-.2044	-.2043	-.1972	-.1886	-.1847	-.1796	-.1836	-.1812	45.00
67.50	-.1197	-.1354	-.1589	-.1875	-.2071	-.2070	-.1986	-.1867	-.1796	-.1768	-.1794	-.1737	67.50
90.00	.0666	.0394	-.0110	-.0632	-.0980	-.1074	-.1202	-.1305	-.1347	-.1427	-.1465	-.1494	90.00
112.50	.3813	.3449	.2505	.1741	.0992	.0802	.0631	.0457	.0360	.0286	.0240	.0172	112.50
135.00	.7891	.7251	.5982	.4882	.3751	.3517	.3299	.3008	.2824	.2757	.2647	.2615	135.00
157.50	1.1452	1.0727	.9205	.7789	.6384	.6022	.5759	.5491	.5238	.5039	.4931	.4765	157.50
180.00	1.3041	1.2205	1.0593	.9040	.7482	.7004	.6740		.6193	.5982	.5847	.5637	180.00
202.50	1.1810	1.0976	.9405	.7927	.6470	.6064	.5735	.5497	.5197	.5069	.4959	.4751	202.50
225.00	.8357	.7641	.6254	.5114	.3920	.3594	.3296	.3039	.2860	.2770	.2662		225.00
247.50	.4275	.3739	.2706	.1903	.1094	.0855	.0632	.0478	.0376	.0281	.0226	.0157	247.50
270.00	.0909	.0556	-.0064	-.0525	-.0967	-.1120	-.1293	-.1352	-.1420	-.1466	-.1489	-.1536	270.00
292.50	-.1159	-.1344	-.1639	-.1835	-.2071	-.2125	-.2005	-.1926	-.1892	-.1846	-.1811	-.1716	292.50
315.00	-.1734	-.1789	-.1892	-.1935	-.2018	-.2019	-.1969	-.1919	-.1905	-.1849	-.1834	-.1797	315.00
337.50	-.1623	-.1765	-.1894	-.1974	-.2048	-.2039	-.2008	-.1988	-.1945	-.1867	-.1872	-.1867	337.50

TABLE IV.- Continued

(b) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1122	-.1204	-.1477	-.1699	-.1869	-.1854	-.1895	-.1999	-.1971	-.1931	-.1916	-.1927	0.00
22.50	-.1904	-.1904	-.2022	-.2078	-.2113	-.2119	-.2015	-.2015	-.1980	-.1905	-.1910	-.1871	22.50
45.00	-.1921	-.1886	-.1952	-.2020	-.2064	-.2067	-.2034	-.1972	-.1933	-.1878	-.1880	-.1804	45.00
67.50	-.1295	-.1419	-.1630	-.1891	-.2065	-.2075	-.2071	-.1946	-.1892	-.1866	-.1856	-.1751	67.50
90.00	.0630	.0357	-.0162	-.0592	-.0934	-.1018	-.1097	-.1179	-.1230	-.1304	-.1333	-.1369	90.00
112.50	.3935	.3600	.2717	.1983	.1258	.1084	.0952	.0784	.0686	.0616	.0575	.0501	112.50
135.00	.6465	.7809	.6610	.5505	.4405	.4134	.3929	.3710	.3517	.3448	.3338	.3261	135.00
157.50	1.2339	1.1661	1.0159	.8790	.7387	.7036	.6756	.6568	.6280	.6061	.5977	.5760	157.50
180.00	1.4087	1.3296	1.1772	1.0223	.8656	.8218	.7881	.7585	.7385	.7144	.7018	.6774	180.00
202.50	1.2708	1.1932	1.0411	.8946	.7493	.7065	.6716	.6585	.6279	.6109	.6013	.5739	202.50
225.00	.8951	.8234	.6860	.5745	.4559	.4219	.3919	.3743	.3556	.3442	.3326	.3250	225.00
247.50	.4449	.3922	.2912	.2158	.1339	.1096	.0912	.0838	.0693	.0623	.0569	.0510	247.50
270.00	.0852	.0515	-.0070	-.0491	-.0941	-.1081	-.1168	-.1209	-.1294	-.1338	-.1357	-.1405	270.00
292.50	-.1254	-.1425	-.1760	-.1851	-.2081	-.2150	-.2060	-.1953	-.1967	-.1937	-.1886	-.1759	292.50
315.00	-.1886	-.1937	-.1959	-.2008	-.2082	-.2079	-.1997	-.1941	-.1951	-.1928	-.1905	-.1771	315.00
337.50	-.1796	-.1864	-.2008	-.2047	-.2112	-.2098	-.2028	-.2008	-.1981	-.1946	-.1930	-.1878	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1271	-.1349	-.1621	-.1845	-.1975	-.1940	-.2033	-.2044	-.2043	-.1994	-.1972	-.1809	0.00
22.50	-.2028	-.2028	-.2118	-.2145	-.2120	-.2100	-.2078	-.2078	-.2066	-.1963	-.1934	-.1745	22.50
45.00	-.1968	-.2011	-.2045	-.2100	-.2086	-.2036	-.2039	-.2073	-.2052	-.1934	-.1868	-.1733	45.00
67.50	-.1370	-.1486	-.1679	-.1920	-.2070	-.2051	-.2067	-.2088	-.2048	-.1934	-.1837	-.1732	67.50
90.00	.0583	.0311	-.0104	-.0565	-.0898	-.0942	-.1021	-.1091	-.1108	-.1169	-.1198	-.1231	90.00
112.50	.4045	.3736	.2901	.2209	.1493	.1395	.1246	.1105	.0962	.0971	.0909	.0894	112.50
135.00	.6926	.8297	.7156	.6112	.5032	.4890	.4581	.4397	.4198	.4149	.4021	.4012	135.00
157.50	1.3140	1.2527	1.1165	.9811	.8407	.8248	.7802	.7691	.7318	.7104	.7021	.6784	157.50
180.00	1.5011	1.4278	1.2874	1.1397	.9828	.9587	.9091	.8554	.8332	.8196	.8021	.7800	180.00
202.50	1.3503	1.2762	1.1352	.9926	.8483	.8157	.7756	.7674	.7275	.7127	.7063	.6836	202.50
225.00	.9395	.8690	.7389	.6304	.5168	.4867	.4611	.4445	.4239	.4165	.4047	.3850	225.00
247.50	.4557	.4032	.3092	.2353	.1603	.1421	.1215	.1149	.1004	.0976	.0894	.0822	247.50
270.00	.0776	.0454	-.0082	-.0487	-.0876	-.0997	-.1107	-.1145	-.1183	-.1199	-.1223	-.1282	270.00
292.50	-.1366	-.1516	-.1765	-.1891	-.2077	-.2152	-.2169	-.2067	-.2020	-.2010	-.1932	-.1782	292.50
315.00	-.1945	-.1997	-.2034	-.2032	-.2137	-.2179	-.2108	-.2010	-.1977	-.1974	-.1946	-.1738	315.00
337.50	-.1883	-.1944	-.2039	-.2077	-.2179	-.2179	-.2106	-.2071	-.2018	-.1999	-.1977	-.1776	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1580	-.1874	-.1842	-.2015	-.2056	-.2006	-.2083	-.1993	-.1924	-.1595	-.1454	-.1429	0.00
22.50	-.1928	-.1928	-.2164	-.2295	-.2210	-.2159	-.2087	-.1942	-.1910	-.1669	-.1473	-.1401	22.50
45.00	-.1943	-.1881	-.2060	-.2291	-.2183	-.2087	-.2004	-.1867	-.1927	-.1587	-.1426	-.1378	45.00
67.50	-.1453	-.1549	-.1719	-.1946	-.2081	-.2066	-.2003	-.1841	-.1912	-.1532	-.1396	-.1364	67.50
90.00	.0510	.0261	-.0111	-.0541	-.0851	-.0893	-.0986	-.1011	-.1025	-.1069	-.1097	-.1121	90.00
112.50	.4082	.3830	.3068	.2420	.1734	.1660	.1492	.1403	.1300	.1282	.1202	.1151	112.50
135.00	.9240	.8680	.7619	.6644	.5622	.5529	.5170	.5051	.4851	.4781	.4644	.4630	135.00
157.50	1.3747	1.3213	1.1972	1.0710	.9352	.9308	.8768	.8682	.8322	.8129	.8021	.7831	157.50
180.00	1.5738	1.5096	1.3843	1.2464	1.0965	1.0896	1.0256	.9755	.9576	.9404	.9236	.9000	180.00
202.50	1.4114	1.3456	1.2156	1.0821	.9434	.9325	.8736	.8763	.8341	.8195	.8091	.7840	202.50
225.00	.9725	.9094	.7821	.6852	.5798	.5548	.5191	.5121	.4938	.4809	.4676	.4450	225.00
247.50	.4596	.4112	.3223	.2584	.1865	.1694	.1492	.1470	.1314	.1282	.1189	.1108	247.50
270.00	.0699	.0391	-.0112	-.0447	-.0828	-.0946	-.1054	-.1065	-.1108	-.1104	-.1122	-.1174	270.00
292.50	-.1472	-.1602	-.1823	-.1912	-.2095	-.2162	-.2180	-.2114	-.1778	-.1556	-.1444	-.1375	292.50
315.00	-.2129	-.2269	-.2122	-.1952	-.2147	-.2247	-.2204	-.2029	-.1779	-.1560	-.1450	-.1382	315.00
337.50	-.2037	-.2189	-.2127	-.2044	-.2213	-.2244	-.2177	-.2067	-.1844	-.1568	-.1456	-.1402	337.50

TABLE IV.- Continued

(b) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1776	-.2009	-.1927	-.2025	-.2089	-.1952	-.1990	-.1881	-.1650	-.1543	-.1510	-.1419	0.00
22.50		-.1990	-.2289	-.2230	-.2145	-.2054		-.1908	-.1606	-.1510	-.1498	-.1417	22.50
45.00	-.1976	-.1889	-.2225	-.2222	-.2022	-.1954	-.1917	-.1900	-.1580	-.1498	-.1477	-.1396	45.00
67.50	-.1496	-.1593	-.1749	-.1963	-.2061	-.1965	-.1927	-.1883	-.1542	-.1489	-.1447	-.1347	67.50
90.00	.0472	.0233	-.0118	-.0515	-.0789	-.0797	-.0898	-.0928	-.0930	-.0978	-.0998	-.1008	90.00
112.50	.4180	.3932	.3222	.2621	.1996	.2003	.1793	.1693	.1595	.1616	.1556	.1543	112.50
135.00	.9630	.9094	.8103	.7187	.6265	.6193	.5827	.5660	.5539	.5505	.5401	.5379	135.00
157.50	1.4426	1.3923	1.2797	1.1629	1.0335	1.0307	.9777	.9669	.9398	.9234	.9114	.8920	157.50
180.00	1.6474	1.5884	1.4771	1.3497	1.2103	1.2051	1.1469		1.1003	1.0813	1.0617	1.0448	180.00
202.50	1.4727	1.4109	1.2965	1.1760	1.0475	1.0443	.9837	.9746	.9405	.9288	.9162	.8902	202.50
225.00	1.0069	.9473	.8345	.7457	.6476	.6286	.5903	.5772	.5612	.5521	.5394		225.00
247.50	.4633	.4194	.3433	.2813	.2127	.1990	.1797	.1760	.1613	.1613	.1511	.1452	247.50
270.00	.0628	.0371	-.0077	-.0401	-.0759	-.0870	-.0968	-.0975	-.1016	-.1006	-.1028	-.1082	270.00
292.50	-.1534	-.1646	-.1835	-.1922	-.2097	-.2163	-.2074	-.1679	-.1560	-.1510	-.1453	-.1395	292.50
315.00	-.2166	-.2338	-.2024	-.2055	-.2222	-.2229	-.2013	-.1706	-.1556	-.1518	-.1476	-.1425	315.00
337.50	-.2146	-.2262	-.2072	-.2147	-.2239	-.2186	-.2046	-.1790	-.1598	-.1532	-.1498	-.1422	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1920	-.1949	-.1949	-.1992	-.1931	-.1859	-.1803	-.1645	-.1622	-.1489	-.1471	-.1594	0.00
22.50		-.2068	-.2239	-.2143	-.2047	-.2015		-.1631	-.1579	-.1492	-.1498	-.1551	22.50
45.00	-.2213	-.1977	-.2155	-.2125	-.2046	-.2009	-.1768	-.1621	-.1573	-.1462	-.1461	-.1494	45.00
67.50	-.1554	-.1638	-.1773	-.1972	-.2065	-.2007	-.1743	-.1594	-.1547	-.1416	-.1409	-.1450	67.50
90.00	.0382	.0183	-.0119	-.0486	-.0730	-.0737	-.0833	-.0840	-.0827	-.0865	-.0894	-.0916	90.00
112.50	.4146	.3943	.3332	.2780	.2204	.2218	.2047	.1995	.1919	.1959	.1883	.1892	112.50
135.00	.9785	.9319	.8426	.7584	.6786	.6733	.6441	.6312	.6217	.6172	.6082	.6049	135.00
157.50	1.4821	1.4415	1.3409	1.2353	1.1237	1.1270	1.0775	1.0624	1.0384	1.0205	1.0097	.9947	157.50
180.00	1.6999	1.6544	1.5590	1.4438	1.3202	1.3050	1.2561		1.2081	1.1886	1.1725	1.1607	180.00
202.50	1.5242	1.4746	1.3740	1.2596	1.1406	1.1424	1.0768	1.0641	1.0345	1.0211	1.0096	.9896	202.50
225.00	1.0370	.9870	.8814	.7945	.7039	.6862	.6482	.6351	.6239	.6118	.5997		225.00
247.50	.4717	.4297	.3600	.3014	.2376	.2260	.2064	.2052	.1911	.1897	.1783	.1728	247.50
270.00	.0589	.0343	-.0075	-.0373	-.0693	-.0795	-.0885	-.0881	-.0916	-.0920	-.0946	-.0999	270.00
292.50	-.1575	-.1693	-.1873	-.1942	-.2078	-.2111	-.1798	-.1565	-.1594	-.1431	-.1403	-.1451	292.50
315.00	-.1988	-.2325	-.2126	-.2036	-.2015	-.2028	-.1787	-.1561	-.1588	-.1467	-.1438	-.1486	315.00
337.50	-.2059	-.2258	-.2159	-.2126	-.2019	-.2023	-.1810	-.1592	-.1600	-.1493	-.1472	-.1554	337.50

TABLE IV.- Continued

(c) $M_{\infty} = 2.96$

ALPHA = -4.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L *		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.2776	.2328	.1405	.0720	.0187	.0086	.0081	.0031	-.6019	-.0090	-.0122	-.0145	0.00
22.50		.2256	.1353	.0658	.0129	.0015		-.0067	-.0100	-.0113	-.0148	-.0177	22.50
45.00	.2507	.2068	.1213	.0556	.0050	-.0054	-.0080	-.0134	-.0168	-.0175	-.0213	-.0237	45.00
67.50	.2246	.1806	.1028	.0424	-.0043	-.0155	-.0163	-.0217	-.0244	-.0245	-.0274	-.0313	67.50
90.00	.1964	.1540	.0827	.0269	-.0144	-.0243	-.0231	-.0268	-.0280	-.0258	-.0274	-.0286	90.00
112.50	.1728	.1332	.0665	.0165	-.0232	-.0303	-.0259	-.0274	-.0258	-.0197	-.0210	-.0208	112.50
135.00	.1552	.1185	.0566	.0094	-.0265	-.0326	-.0255	-.0233	-.0198	-.0144	-.0142	-.0128	135.00
157.50	.1443	.1092	.0496	.0060	-.0266	-.0323	-.0245	-.0185	-.0135	-.0082	-.0091	-.0088	157.50
180.00	.1417	.1073	.0485	.0065	-.0272	-.0313	-.0239	-.0115	-.0115	-.0064	-.0066	-.0074	180.00
202.50	.1461	.1108	.0502	.0067	-.0282	-.0331	-.0252	-.0205	-.0155	-.0094	-.0092	-.0088	202.50
225.00	.1572	.1204	.0569	.0117	-.0261	-.0331	-.0273	-.0245	-.0216	-.0162	-.0118	-.0118	225.00
247.50	.1771	.1390	.0696	.0203	-.0220	-.0308	-.0271	-.0284	-.0271	-.0232	-.0227	-.0216	247.50
270.00	.2022	.1618	.0965	.0310	-.0136	-.0244	-.0230	-.0266	-.0278	-.0278	-.0285	-.0286	270.00
292.50	.2312	.1879	.1057	.0459	-.0034	-.0139	-.0157	-.0209	-.0233	-.0257	-.0278	-.0292	292.50
315.00	.2569	.2114	.1263	.0589	-.0066	-.0047	-.0075	-.0123	-.0155	-.0185	-.0215	-.0222	315.00
337.50	.2749	.2278	.1361	.0679	.0138	.0021	-.0010	-.0054	-.0092	-.0123	-.0150	-.0177	337.50

ALPHA = 0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L *		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.2022	.1600	.0871	.0323	-.0091	-.0140	-.0114	-.0130	-.0128	-.0144	-.0140	-.0172	0.00
22.50		.1581	.0843	.0283	-.0130	-.0205		-.0168	-.0168	-.0132	-.0143	-.0166	22.50
45.00	.2001	.1579	.0838	.0289	-.0125	-.0205	-.0182	-.0178	-.0164	-.0129	-.0143	-.0154	45.00
67.50	.1996	.1556	.0837	.0294	-.0119	-.0195	-.0176	-.0174	-.0161	-.0126	-.0134	-.0174	67.50
90.00	.1989	.1556	.0833	.0295	-.0107	-.0191	-.0164	-.0163	-.0151	-.0119	-.0132	-.0159	90.00
112.50	.1993	.1560	.0841	.0311	-.0095	-.0182	-.0145	-.0159	-.0148	-.0103	-.0131	-.0146	112.50
135.00	.2005	.1575	.0859	.0323	-.0079	-.0178	-.0137	-.0155	-.0147	-.0116	-.0127	-.0128	135.00
157.50	.2002	.1574	.0865	.0326	-.0070	-.0183	-.0137	-.0152	-.0146	-.0113	-.0131	-.0139	157.50
180.00	.2016	.1582	.0872	.0340	-.0079	-.0177	-.0152	-.0148	-.0148	-.0120	-.0127	-.0148	180.00
202.50	.2043	.1601	.0874	.0336	-.0084	-.0179	-.0161	-.0168	-.0153	-.0119	-.0127	-.0138	202.50
225.00	.2057	.1610	.0874	.0346	-.0087	-.0184	-.0164	-.0169	-.0155	-.0137	-.0108	-.0108	225.00
247.50	.2070	.1631	.0870	.0344	-.0090	-.0194	-.0169	-.0174	-.0158	-.0141	-.0145	-.0171	247.50
270.00	.2080	.1634	.0867	.0334	-.0095	-.0199	-.0174	-.0175	-.0158	-.0150	-.0150	-.0171	270.00
292.50	.2080	.1628	.0863	.0326	-.0106	-.0205	-.0179	-.0180	-.0166	-.0156	-.0152	-.0174	292.50
315.00	.2073	.1622	.0864	.0316	-.0114	-.0210	-.0186	-.0185	-.0169	-.0157	-.0151	-.0172	315.00
337.50	.2051	.1598	.0849	.0307	-.0121	-.0209	-.0182	-.0189	-.0170	-.0154	-.0145	-.0175	337.50

ALPHA = 4.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L *		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.1398	.1047	.0479	.0055	-.0259	-.0259	-.0213	-.0155	-.0105	-.0081	-.0066	-.0077	0.00
22.50		.1056	.0451	.0016	-.0303	-.0348		-.0219	-.0161	-.0089	-.0093	-.0082	22.50
45.00	.1515	.1146	.0503	.0050	-.0290	-.0347	-.0288	-.0269	-.0225	-.0146	-.0146	-.0135	45.00
67.50	.1710	.1288	.0620	.0126	-.0234	-.0325	-.0294	-.0307	-.0290	-.0230	-.0224	-.0238	67.50
90.00	.1942	.1520	.0788	.0245	-.0163	-.0270	-.0249	-.0289	-.0304	-.0288	-.0299	-.0314	90.00
112.50	.2226	.1766	.1002	.0399	-.0060	-.0172	-.0171	-.0216	-.0248	-.0248	-.0288	-.0311	112.50
135.00	.2522	.2033	.1187	.0539	.0054	-.0065	-.0073	-.0122	-.0161	-.0179	-.0208	-.0233	135.00
157.50	.2695	.2203	.1325	.0644	.0144	.0009	.0011	-.0045	-.0090	-.0104	-.0132	-.0162	157.50
180.00	.2789	.2284	.1350	.0699	.0178	.0044	.0039		-.0063	-.0077	-.0098	-.0137	180.00
202.50	.2753	.2251	.1344	.0667	.0148	.0022	.0006	-.0049	-.0092	-.0106	-.0128	-.0161	202.50
225.00	.2577	.2087	.1213	.0572	.0069	-.0059	-.0074	-.0126	-.0164	-.0187	-.0177	-.0177	225.00
247.50	.2324	.1867	.1032	.0438	-.0047	-.0171	-.0178	-.0218	-.0253	-.0277	-.0298	-.0333	247.50
270.00	.2026	.1602	.0823	.0284	-.0158	-.0268	-.0269	-.0297	-.0312	-.0325	-.0325	-.0340	270.00
292.50	.1758	.1356	.0640	.0157	-.0248	-.0332	-.0312	-.0320	-.0310	-.0274	-.0253	-.0239	292.50
315.00	.1563	.1182	.0530	.0079	-.0285	-.0363	-.0307	-.0275	-.0234	-.0165	-.0139	-.0118	315.00
337.50	.1435	.1065	.0463	.0034	-.0302	-.0352	-.0281	-.0223	-.0166	-.0108	-.0088	-.0087	337.50

TABLE IV.- Continued

(c) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0920	.0641	.0195	-.0132	-.0342	-.0307	-.0220	-.0160	-.0131	-.0094	-.0082	-.0107	0.00
22.50		.0632	.0140	-.0202	-.0438	-.0474		-.0285	-.0242	-.0196	-.0210	-.0230	22.50
45.00	.1056	.0741	.0191	-.0204	-.0491	-.0560	-.0493	-.0423	-.0345	-.0255	-.0290	-.0326	45.00
67.50	.1357	.0948	.0375	-.0114	-.0474	-.0572	-.0622	-.0683	-.0686	-.0632	-.0630	-.0625	67.50
90.00	.1804	.1394	.0696	.0114	-.0302	-.0424	-.0498	-.0597	-.0681	-.0703	-.0689	-.0659	90.00
112.50	.2419	.1940	.1120	.0468	-.0039	-.0170	-.0241	-.0331	-.0410	-.0463	-.0542	-.0585	112.50
135.00	.3039	.2519	.1561	.0826	.0249	.0094	.0038	-.0052	-.0123	-.0183	-.0233	-.0263	135.00
157.50	.3467	.2936	.1910	.1098	.0469	.0293	.0259	.0168	.0099	.0046	-.0000	-.0039	157.50
180.00	.3668	.3117	.2064	.1213	.0555	.0371	.0340		.0181	.0131	.0092	.0043	180.00
202.50	.3543	.3001	.1954	.1123	.0480	.0299	.0257	.0169	.0092	.0046	.0004	-.0040	202.50
225.00	.3117	.2597	.1615	.0873	.0274	.0094	.0041	-.0050	-.0135	-.0192	-.0199		225.00
247.50	.2525	.2056	.1168	.0524	-.0013	-.0185	-.0244	-.0332	-.0434	-.0499	-.0547	-.0602	247.50
270.00	.1905	.1494	.0716	.0179	-.0282	-.0440	-.0506	-.0600	-.0694	-.0748	-.0720	-.0687	270.00
292.50	.1403	.1058	.0384	-.0078	-.0471	-.0600	-.0632	-.0692	-.0716	-.0666	-.0642	-.0603	292.50
315.00	.1089	.0758	.0190	-.0196	-.0503	-.0589	-.0523	-.0477	-.0359	-.0301	-.0278	-.0290	315.00
337.50	.0936	.0634	.0140	-.0193	-.0439	-.0481	-.0336	-.0264	-.0217	-.0188	-.0194	-.0218	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0561	.0337	.0008	-.0227	-.0392	-.0351	-.0283	-.0237	-.0217	-.0184	-.0185	-.0238	0.00
22.50		.0277	-.0102	-.0360	-.0548	-.0571		-.0475	-.0633	-.0742	-.0834	-.0871	22.50
45.00	.0598	.0317	-.0136	-.0505	-.0776	-.0850	-.0835	-.0847	-.0884	-.0836	-.0863	-.0859	45.00
67.50	.0969	.0614	.0031	-.0409	-.0782	-.0880	-.0969	-.0897	-.0815	-.0712	-.0710	-.0711	67.50
90.00	.1652	.1204	.0541	-.0025	-.0463	-.0576	-.0675	-.0803	-.0860	-.0746	-.0720	-.0695	90.00
112.50	.2621	.2087	.1241	.0555	-.0003	-.0144	-.0228	-.0356	-.0447	-.0498	-.0585	-.0627	112.50
135.00	.3608	.3027	.1995	.1176	.0496	.0323	.0241	.0114	.0026	-.0039	-.0104	-.0142	135.00
157.50	.4363	.3744	.2588	.1676	.0901	.0692	.0618	.0495	.0409	.0347	.0279	.0217	157.50
180.00	.4697	.4043	.2830	.1873	.1061	.0833	.0752	.0604	.0552	.0490	.0434	.0355	180.00
202.50	.4452	.3826	.2625	.1702	.0915	.0703	.0604	.0498	.0394	.0336	.0285	.0210	202.50
225.00	.3723	.3145	.2055	.1239	.0533	.0327	.0229	.0115	.0002	-.0055	-.0080		225.00
247.50	.2745	.2247	.1297	.0628	.0031	-.0158	-.0248	-.0372	-.0484	-.0544	-.0599	-.0660	247.50
270.00	.1725	.1342	.0567	.0038	-.0432	-.0600	-.0703	-.0818	-.0883	-.0779	-.0739	-.0726	270.00
292.50	.0998	.0667	.0054	-.0365	-.0775	-.0897	-.0980	-.0899	-.0818	-.0737	-.0717	-.0725	292.50
315.00	.0621	.0347	-.0147	-.0489	-.0790	-.0846	-.0817	-.0866	-.0866	-.0860	-.0870	-.0876	315.00
337.50	.0530	.0274	-.0113	-.0348	-.0543	-.0545	-.0436	-.0492	-.0590	-.0770	-.0836	-.0854	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0300	.0125	-.0109	-.0311	-.0508	-.0446	-.0370	-.0439	-.0554	-.0685	-.0757	-.0818	0.00
22.50		-.0002	-.0343	-.0548	-.0757	-.0876		-.1073	-.1021	-.0911	-.0902	-.0896	22.50
45.00	.0173	-.0082	-.0491	-.0810	-.0986	-.1023	-.0989	-.0951	-.0960	-.0874	-.0885	-.0868	45.00
67.50	.0539	.0242	-.0245	-.0676	-.0988	-.1044	-.1013	-.0935	-.0884	-.0804	-.0804	-.0789	67.50
90.00	.1527	.1166	.0441	-.0118	-.0525	-.0640	-.0756	-.0859	-.0916	-.0844	-.0815	-.0774	90.00
112.50	.2817	.2304	.1425	.0693	.0115	-.0023	-.0142	-.0277	-.0374	-.0426	-.0508	-.0546	112.50
135.00	.4226	.3618	.2477	.1585	.0850	.0647	.0539	.0376	.0275	.0197	.0151	.0107	135.00
157.50	.5320	.4662	.3343	.2327	.1471	.1207	.1107	.0937	.0833	.0751	.0708	.0623	157.50
180.00	.5829	.5116	.3713	.2636	.1728	.1431	.1315	.1046	.0975	.0933	.0829	.0829	180.00
202.50	.5470	.4782	.3400	.2368	.1495	.1225	.1084	.0938	.0812	.0756	.0706	.0611	202.50
225.00	.4400	.3771	.2554	.1660	.0895	.0659	.0519	.0366	.0244	.0181	.0174		225.00
247.50	.3000	.2465	.1473	.0764	.0137	-.0053	-.0175	-.0309	-.0432	-.0481	-.0534	-.0582	247.50
270.00	.1427	.1211	.0480	-.0049	-.0535	-.0688	-.0781	-.0885	-.0938	-.0830	-.0791	-.0788	270.00
292.50	.0640	.0293	-.0267	-.0630	-.1002	-.1074	-.1023	-.0935	-.0868	-.0798	-.0787	-.0784	292.50
315.00	.0172	-.0070	-.0497	-.0765	-.1000	-.1003	-.0980	-.0953	-.0977	-.0922	-.0905	-.0885	315.00
337.50	.0212	.0000	-.0337	-.0557	-.0820	-.0875	-.1017	-.1035	-.1005	-.0950	-.0918	-.0895	337.50

TABLE IV.- Continued

(c) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0094	-.0021	-.0208	-.0416	-.0670	-.0649	-.0752	-.0850	-.0924	-.0906	-.0903	-.0924	0.00
22.50		-.0287	-.0677	-.0949	-.1082	-.1102	-.1074	-.1074	-.1026	-.0943	-.0963	-.0954	22.50
45.00	-.0227	-.0441	-.0721	-.0914	-.1053	-.1091	-.1058	-.1014	-.0978	-.0922	-.0935	-.0932	45.00
67.50	.0217	-.0029	-.0478	-.0837	-.1085	-.1108	-.1055	-.1002	-.0949	-.0873	-.0871	-.0888	67.50
90.00	.1355	.1000	.0399	-.0143	-.0560	-.0648	-.0758	-.0861	-.0920	-.0934	-.0933	-.0895	90.00
112.50	.3028	.2536	.1628	.0875	.0259	.0125	-.0011	-.0150	-.0240	-.0365	-.0356	-.0398	112.50
135.00	.4874	.4260	.3022	.2060	.1240	.1036	.0896	.0720	.0597	.0534	.0463	.0414	135.00
157.50	.6347	.5662	.4226	.3091	.2091	.1815	.1685	.1499	.1340	.1263	.1213	.1127	157.50
180.00	.7019	.6257	.4739	.3515	.2436	.2122	.1983	.1637	.1560	.1517	.1517	.1412	180.00
202.50	.6530	.5790	.4283	.3136	.2116	.1829	.1667	.1497	.1333	.1260	.1215	.1112	202.50
225.00	.5081	.4418	.3104	.2145	.1284	.1037	.0881	.0705	.0565	.0485	.0467		225.00
247.50	.3232	.2699	.1713	.0946	.0286	.0089	-.0049	-.0197	-.0306	-.0357	-.0401	-.0474	247.50
270.00	.1512	.1117	.0405	-.0095	-.0560	-.0702	-.0809	-.0897	-.0974	-.0959	-.0932	-.0919	270.00
292.50	.0295	.0000	-.0510	-.0781	-.1096	-.1149	-.1062	-.1005	-.0949	-.0884	-.0865	-.0877	292.50
315.00	-.0258	-.0465	-.0761	-.0882	-.1075	-.1081	-.1053	-.1006	-.0971	-.0942	-.0944	-.0943	315.00
337.50	-.0101	-.0285	-.0631	-.0912	-.1038	-.1047	-.1062	-.1058	-.1020	-.0970	-.0960	-.0962	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0048	-.0160	-.0386	-.0652	-.0875	-.0870	-.0992	-.0965	-.0996	-.0941	-.0956	-.0984	0.00
22.50		-.0670	-.0882	-.1044	-.1130	-.1160	-.1160	-.1101	-.1078	-.1018	-.1035	-.1031	22.50
45.00	-.0531	-.0670	-.0882	-.1027	-.1112	-.1133	-.1098	-.1077	-.1056	-.0988	-.1005	-.0997	45.00
67.50	.0013	-.0221	-.0602	-.0922	-.1132	-.1155	-.1105	-.1062	-.1038	-.0971	-.0983	-.0992	67.50
90.00	.1299	.0982	.0393	-.0145	-.0523	-.0640	-.0733	-.0806	-.0891	-.0933	-.0973	-.0981	90.00
112.50	.3244	.2797	.1867	.1087	.0460	.0293	.0180	.0015	-.0061	-.0125	-.0197	-.0208	112.50
135.00	.5551	.4944	.3619	.2610	.1714	.1469	.1323	.1129	.1010	.0921	.0860	.0823	135.00
157.50	.7431	.6742	.5215	.3961	.2812	.2504	.2383	.2151	.2003	.1900	.1841	.1754	157.50
180.00	.8268	.7495	.5877	.4518	.3263	.2911	.2796	.2381	.2295	.2229	.2127	.2127	180.00
202.50	.7645	.6878	.5284	.4009	.2833	.2519	.2364	.2149	.1974	.1893	.1836	.1735	202.50
225.00	.5787	.5121	.3717	.2697	.1766	.1476	.1309	.1118	.0981	.0876	.0862		225.00
247.50	.3498	.2964	.1956	.1161	.0485	.0245	.0106	-.0019	-.0140	-.0214	-.0200	-.0293	247.50
270.00	.1433	.1029	.0383	-.0081	-.0551	-.0720	-.0783	-.0865	-.0963	-.0978	-.1002	-.1050	270.00
292.50	.0021	-.0228	-.0643	-.0869	-.1143	-.1209	-.1115	-.1076	-.1044	-.0995	-.0993	-.0999	292.50
315.00	-.0584	-.0720	-.0906	-.0984	-.1119	-.1144	-.1099	-.1078	-.1053	-.1016	-.1009	-.1015	315.00
337.50	-.0416	-.0619	-.0839	-.0982	-.1119	-.1137	-.1101	-.1095	-.1072	-.1043	-.1032	-.1042	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0258	-.0351	-.0561	-.0817	-.0965	-.0945	-.1013	-.1041	-.1051	-.1011	-.1026	-.1082	0.00
22.50		-.0804	-.1009	-.1119	-.1179	-.1200	-.1160	-.1160	-.1144	-.1083	-.1095	-.1091	22.50
45.00	-.0764	-.0868	-.1000	-.1098	-.1162	-.1194	-.1171	-.1145	-.1115	-.1052	-.1062	-.1040	45.00
67.50	-.0164	-.0359	-.0672	-.0973	-.1155	-.1185	-.1188	-.1133	-.1091	-.1048	-.1055	-.1028	67.50
90.00	.1223	.0942	.0392	-.0143	-.0494	-.0592	-.0693	-.0764	-.0825	-.0883	-.0906	-.0906	90.00
112.50	.3470	.3049	.2135	.1311	.0673	.0511	.0368	.0239	.0147	.0091	.0022	.0008	112.50
135.00	.6222	.5605	.4248	.3191	.2244	.1986	.1808	.1615	.1495	.1386	.1330	.1303	135.00
157.50	.8520	.7823	.6251	.4889	.3651	.3322	.3159	.2927	.2750	.2639	.2580	.2478	157.50
180.00	.9521	.8748	.7092	.5598	.4233	.3838	.3690	.3242	.3150	.3069	.2964	.2964	180.00
202.50	.8744	.7967	.6337	.4949	.3671	.3320	.3139	.2927	.2726	.2637	.2573	.2462	202.50
225.00	.6478	.5803	.4377	.3289	.2293	.1983	.1789	.1607	.1458	.1370	.1335		225.00
247.50	.3746	.3219	.2199	.1394	.0700	.0446	.0292	.0187	.0064	.0034	-.0013	-.0082	247.50
270.00	.1382	.1035	.0367	-.0078	-.0505	-.0691	-.0768	-.0841	-.0916	-.0955	-.0942	-.1004	270.00
292.50	-.0160	-.0381	-.0743	-.0924	-.1161	-.1250	-.1205	-.1159	-.1114	-.1075	-.1053	-.1065	292.50
315.00	-.0827	-.0919	-.1037	-.1062	-.1162	-.1207	-.1168	-.1147	-.1113	-.1079	-.1067	-.1073	315.00
337.50	-.0682	-.0776	-.0960	-.1067	-.1170	-.1186	-.1159	-.1153	-.1137	-.1110	-.1095	-.1110	337.50

TABLE IV.- Continued

(c) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0344	-.0459	-.0648	-.0880	-.1018	-.0974	-.1071	-.1116	-.1119	-.1116	-.1135	-.1161	0.00
22.50		-.0953	-.1098	-.1179	-.1244	-.1263	-.1203	-.1203	-.1186	-.1116	-.1139	-.1125	22.50
45.00	-.0924	-.0999	-.1084	-.1160	-.1231	-.1248	-.1215	-.1176	-.1153	-.1098	-.1110	-.1091	45.00
67.50	-.0287	-.0450	-.0732	-.1005	-.1187	-.1215	-.1236	-.1179	-.1126	-.1084	-.1109	-.1071	67.50
90.00	.1190	.0911	.0410	-.0103	-.0455	-.0549	-.0621	-.0711	-.0746	-.0797	-.0851	-.0848	90.00
112.50	.3670	.3245	.2344	.1560	.0896	.0705	.0602	.0482	.0384	.0325	.0273	.0252	112.50
135.00	.6856	.6234	.4893	.3815	.2788	.2507	.2337	.2165	.2031	.1964	.1899	.1846	135.00
157.50	.9564	.8871	.7321	.5895	.4543	.4189	.4013	.3805	.3589	.3524	.3425	.3314	157.50
180.00	1.0808	1.0020	.8368	.6784	.5292	.4864	.4689		.4246	.4177	.4049	.3917	180.00
202.50	.9859	.9060	.7438	.5970	.4575	.4191	.3989	.3808	.3564	.3524	.3423	.3277	202.50
225.00	.7183	.6482	.5053	.3947	.2856	.2501	.2321	.2151	.2016	.1924	.1880		225.00
247.50	.3998	.3469	.2456	.1663	.0928	.0678	.0538	.0426	.0306	.0291	.0225	.0154	247.50
270.00	.1350	.0998	.0392	-.0051	-.0481	-.0632	-.0694	-.0798	-.0856	-.0855	-.0890	-.0950	270.00
292.50	-.0291	-.0490	-.0817	-.0976	-.1203	-.1278	-.1264	-.1213	-.1158	-.1116	-.1113	-.1112	292.50
315.00	-.0981	-.1054	-.1127	-.1125	-.1233	-.1252	-.1211	-.1180	-.1151	-.1119	-.1115	-.1138	315.00
337.50	-.0840	-.0933	-.1052	-.1116	-.1233	-.1235	-.1202	-.1199	-.1181	-.1151	-.1145	-.1165	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0495	-.0592	-.0708	-.0915	-.1025	-.0945	-.1127	-.1188	-.1172	-.1167	-.1158	-.1183	0.00
22.50		-.1050	-.1159	-.1230	-.1258	-.1279	-.1223	-.1223	-.1206	-.1141	-.1168	-.1133	22.50
45.00	-.1027	-.1083	-.1145	-.1206	-.1238	-.1251	-.1236	-.1201	-.1181	-.1124	-.1157	-.1097	45.00
67.50	-.0366	-.0521	-.0752	-.1015	-.1171	-.1181	-.1241	-.1202	-.1152	-.1131	-.1153	-.1067	67.50
90.00	.1174	.0919	.0445	-.0051	-.0370	-.0431	-.0565	-.0634	-.0641	-.0724	-.0751	-.0708	90.00
112.50	.3875	.3493	.2597	.1843	.1187	.0983	.0848	.0726	.0702	.0642	.0551	.0500	112.50
135.00	.7473	.6877	.5553	.4473	.3382	.3140	.2935	.2765	.2652	.2570	.2512	.2450	135.00
157.50	1.0598	.9933	.8323	.6929	.5508	.5160	.4982	.4778	.4573	.4505	.4365	.4244	157.50
180.00	1.2073	1.1271	.9613	.7993	.6436	.5991	.5800		.5383	.5295	.5110	.4981	180.00
202.50	1.0962	1.0135	.8514	.7023	.5544	.5168	.4955	.4772	.4538	.4503	.4353	.4216	202.50
225.00	.7843	.7151	.5716	.4615	.3472	.3118	.2919	.2750	.2582	.2550	.2469		225.00
247.50	.4228	.3719	.2702	.1918	.1184	.0933	.0782	.0689	.0606	.0567	.0516	.0449	247.50
270.00	.1326	.0996	.0358	.0006	-.0398	-.0572	-.0650	-.0720	-.0773	-.0763	-.0793	-.0856	270.00
292.50	-.0387	-.0564	-.0862	-.0982	-.1192	-.1273	-.1272	-.1261	-.1213	-.1166	-.1155	-.1125	292.50
315.00	-.1080	-.1127	-.1190	-.1156	-.1241	-.1266	-.1238	-.1217	-.1191	-.1154	-.1148	-.1142	315.00
337.50	-.0939	-.1017	-.1117	-.1156	-.1247	-.1221	-.1238	-.1228	-.1207	-.1180	-.1162	-.1175	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0575	-.0658	-.0776	-.0955	-.1078	-.1024	-.1173	-.1230	-.1224	-.1198	-.1203	-.1167	0.00
22.50		-.1136	-.1197	-.1257	-.1292	-.1276	-.1248	-.1248	-.1229	-.1165	-.1195	-.1125	22.50
45.00	-.1084	-.1139	-.1187	-.1232	-.1263	-.1246	-.1246	-.1232	-.1218	-.1156	-.1175	-.1093	45.00
67.50	-.0441	-.0579	-.0782	-.1019	-.1177	-.1157	-.1233	-.1231	-.1208	-.1189	-.1190	-.1064	67.50
90.00	.1159	.0913	.0471	.0026	-.0300	-.0336	-.0460	-.0537	-.0547	-.0603	-.0626	-.0602	90.00
112.50	.4032	.3693	.2830	.2109	.1438	.1280	.1179	.1049	.0948	.0929	.0901	.0896	112.50
135.00	.8027	.7463	.6173	.5132	.4011	.3785	.3609	.3417	.3285	.3277	.3176	.3150	135.00
157.50	1.1617	1.0955	.9430	.8000	.6535	.6200	.6028	.5839	.5609	.5544	.5367	.5239	157.50
180.00	1.3279	1.2497	1.0841	.9236	.7653	.7205	.7019		.6594	.6487	.6285	.6110	180.00
202.50	1.1983	1.1190	.9590	.8108	.6599	.6231	.5976	.5825	.5561	.5529	.5348	.5181	202.50
225.00	.8451	.7784	.6376	.5284	.4118	.3777	.3574	.3409	.3240	.3226	.3112		225.00
247.50	.4436	.3933	.2947	.2211	.1469	.1222	.1122	.1009	.0864	.0877	.0816	.0763	247.50
270.00	.1307	.0993	.0431	.0091	-.0324	-.0482	-.0567	-.0633	-.0687	-.0676	-.0702	-.0744	270.00
292.50	-.0470	-.0632	-.0885	-.0990	-.1197	-.1274	-.1270	-.1280	-.1262	-.1235	-.1218	-.1133	292.50
315.00	-.1161	-.1203	-.1244	-.1189	-.1274	-.1295	-.1254	-.1231	-.1212	-.1190	-.1193	-.1130	315.00
337.50	-.1034	-.1099	-.1176	-.1190	-.1282	-.1285	-.1256	-.1249	-.1228	-.1207	-.1202	-.1155	337.50

TABLE IV.- Continued

(c) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0575	-.0636	-.0872	-.1014	-.1110	-.1020	-.1226	-.1256	-.1248	-.1225	-.1199	-.1115	0.00
22.50	-.1203	-.1248	-.1268	-.1285	-.1285	-.1306	-.1271	-.1271	-.1257	-.1179	-.1184	-.1069	22.50
45.00	-.1153	-.1214	-.1224	-.1238	-.1253	-.1271	-.1280	-.1259	-.1245	-.1169	-.1164	-.1059	45.00
67.50	-.0505	-.0615	-.0798	-.1012	-.1164	-.1169	-.1214	-.1220	-.1210	-.1207	-.1197	-.1041	67.50
90.00	.1144	.0905	.0508	.0095	-.0202	-.0270	-.0357	-.0405	-.0416	-.0474	-.0495	-.0503	90.00
112.50	.4184	.3863	.3046	.2371	.1705	.1516	.1494	.1354	.1325	.1297	.1239	.1163	112.50
135.00	.8565	.7992	.6766	.5773	.4659	.4434	.4304	.4111	.4017	.3992	.3865	.3840	135.00
157.50	1.2551	1.1895	1.0415	.9063	.7614	.7261	.7134	.6939	.6688	.6594	.6430	.6280	157.50
180.00	1.4384	1.3610	1.2025	1.0508	.8919	.8454	.8275	.7837	.7695	.7476	.7274	.7100	180.00
202.50	1.2910	1.2121	1.0601	.9150	.7664	.7274	.7073	.6935	.6653	.6590	.6399	.6197	202.50
225.00	.8994	.8341	.6997	.5936	.4778	.4431	.4264	.4103	.3968	.3908	.3774	.3620	225.00
247.50	.4618	.4124	.3190	.2483	.1767	.1513	.1391	.1315	.1209	.1193	.1136	.1049	247.50
270.00	.1283	.0990	.0469	.0130	-.0222	-.0362	-.0446	-.0515	-.0585	-.0567	-.0585	-.0646	270.00
292.50	-.0531	-.0679	-.0902	-.0985	-.1187	-.1244	-.1262	-.1282	-.1288	-.1268	-.1238	-.1121	292.50
315.00	-.1194	-.1215	-.1248	-.1201	-.1313	-.1309	-.1266	-.1249	-.1239	-.1217	-.1183	-.1098	315.00
337.50	-.1073	-.1143	-.1197	-.1205	-.1309	-.1277	-.1269	-.1267	-.1251	-.1231	-.1197	-.1104	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0942	-.0956	-.0958	-.1062	-.1123	-.1040	-.1238	-.1212	-.1179	-.1060	-.1002	-.1001	0.00
22.50	-.1220	-.1364	-.1265	-.1299	-.1299	-.1324	-.1201	-.1201	-.1170	-.1021	-.0989	-.0966	22.50
45.00	-.1118	-.1215	-.1289	-.1223	-.1252	-.1294	-.1257	-.1195	-.1166	-.1012	-.0978	-.0952	45.00
67.50	-.0555	-.0658	-.0813	-.1013	-.1142	-.1149	-.1188	-.1180	-.1154	-.1030	-.0976	-.0928	67.50
90.00	.1130	.0891	.0539	.0127	-.0141	-.0183	-.0236	-.0265	-.0273	-.0351	-.0376	-.0392	90.00
112.50	.4319	.4018	.3254	.2616	.1975	.1853	.1774	.1683	.1637	.1630	.1576	.1511	112.50
135.00	.9036	.8472	.7318	.6357	.5282	.5113	.5012	.4834	.4688	.4717	.4569	.4532	135.00
157.50	1.3400	1.2797	1.1382	1.0057	.8676	.8404	.8246	.8079	.7861	.7701	.7550	.7354	157.50
180.00	1.5387	1.4693	1.3185	1.1704	1.0151	.9723	.9572	.9139	.8956	.8756	.8513	.8273	180.00
202.50	1.3795	1.3060	1.1594	1.0164	.8740	.8327	.8174	.8055	.7759	.7669	.7501	.7232	202.50
225.00	.9514	.8863	.7564	.6536	.5419	.5121	.4961	.4813	.4649	.4609	.4467	.4250	225.00
247.50	.4763	.4286	.3380	.2724	.2036	.1820	.1690	.1646	.1558	.1532	.1473	.1405	247.50
270.00	.1256	.0973	.0485	.0175	-.0166	-.0289	-.0327	-.0380	-.0442	-.0436	-.0451	-.0515	270.00
292.50	-.0605	-.0731	-.0929	-.0988	-.1169	-.1252	-.1246	-.1257	-.1199	-.1065	-.0993	-.0951	292.50
315.00	-.1260	-.1261	-.1219	-.1255	-.1338	-.1325	-.1255	-.1215	-.1142	-.1041	-.0983	-.0954	315.00
337.50	-.1214	-.1178	-.1208	-.1244	-.1323	-.1301	-.1272	-.1275	-.1160	-.1052	-.0990	-.0981	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0993	-.0914	-.0981	-.1082	-.1131	-.1048	-.1239	-.1092	-.1075	-.1019	-.1009	-.1018	0.00
22.50	-.1262	-.1310	-.1270	-.1317	-.1317	-.1323	-.1101	-.1101	-.1049	-.0976	-.0995	-.0972	22.50
45.00	-.1094	-.1253	-.1301	-.1204	-.1294	-.1316	-.1249	-.1094	-.1029	-.0966	-.0980	-.0961	45.00
67.50	-.0603	-.0695	-.0834	-.1023	-.1136	-.1128	-.1155	-.1098	-.0996	-.0989	-.0991	-.0954	67.50
90.00	.1106	.0875	.0557	.0170	-.0086	-.0110	-.0135	-.0166	-.0138	-.0219	-.0245	-.0255	90.00
112.50	.4413	.4146	.3436	.2850	.2239	.2159	.2103	.2002	.2000	.1963	.1917	.1861	112.50
135.00	.9444	.8915	.7880	.6970	.5937	.5746	.5698	.5541	.5445	.5431	.5282	.5293	135.00
157.50	1.4111	1.3609	1.2339	1.1080	.9732	.9495	.9336	.9208	.8979	.8802	.8671	.8463	157.50
180.00	1.6205	1.5615	1.4279	1.2905	1.1382	1.1082	1.0845	1.0415	1.0232	1.0037	.9810	.9800	180.00
202.50	1.4507	1.3876	1.2525	1.1170	.9807	.9434	.9261	.9185	.8884	.8761	.8639	.8341	202.50
225.00	.9945	.9342	.8106	.7144	.6065	.5783	.5638	.5528	.5384	.5344	.5189	.4950	225.00
247.50	.4867	.4418	.3572	.2969	.2302	.2124	.1994	.1977	.1932	.1888	.1823	.1763	247.50
270.00	.1233	.0952	.0505	.0222	-.0111	-.0221	-.0270	-.0259	-.0290	-.0292	-.0315	-.0367	270.00
292.50	-.0669	-.0774	-.0958	-.0998	-.1164	-.1231	-.1219	-.1164	-.1097	-.1034	-.1020	-.1008	292.50
315.00	-.1293	-.1282	-.1248	-.1289	-.1309	-.1309	-.1233	-.1088	-.1045	-.1061	-.0991	-.0988	315.00
337.50	-.1282	-.1206	-.1242	-.1260	-.1314	-.1306	-.1252	-.1091	-.1059	-.1013	-.0998	-.0997	337.50

TABLE IV.- Continued

(c) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0951	-.0940	-.0988	-.1070	-.1087	-.0998	-.1075	-.1041	-.1027	-.0998	-.0974	-.1054	0.00
22.50	-.1299	-.1274	-.1274	-.1303	-.1252	-.1251	-.1251	-.1017	-.1065	-.0959	-.0973	-.0992	22.50
45.00	-.1144	-.1296	-.1238	-.1258	-.1236	-.1239	-.1089	-.1009	-.0996	-.0961	-.0967	-.0954	45.00
67.50	-.0639	-.0730	-.0857	-.1033	-.1138	-.1121	-.1114	-.1004	-.0987	-.1006	-.0996	-.0952	67.50
90.00	.1071	.0861	.0563	.0202	-.0633	-.0046	-.0077	-.0075	-.0044	-.0099	-.0126	-.0126	90.00
112.50	.4479	.4239	.3574	.3047	.2488	.2484	.2370	.2335	.2298	.2284	.2228	.2240	112.50
135.00	.9777	.9292	.8324	.7492	.6549	.6524	.6335	.6226	.6117	.6120	.5962	.6026	135.00
157.50	1.4709	1.4290	1.3155	1.2015	1.0735	1.0699	1.0346	1.0241	1.0209	.9864	.9748	.9565	157.50
180.00	1.6914	1.6422	1.5243	1.4018	1.2563	1.2471	1.2027	1.1635	1.1474	1.1474	1.1278	1.1113	180.00
202.50	1.5096	1.4539	1.3333	1.2119	1.0811	1.0594	1.0258	1.0260	.9940	.9840	.9718	.9418	202.50
225.00	1.0262	.9709	.8539	.7675	.6681	.6468	.6269	.6195	.6066	.6012	.5862	.5626	225.00
247.50	.4943	.4518	.3715	.3163	.2545	.2415	.2302	.2305	.2228	.2197	.2136	.2096	247.50
270.00	.1195	.0935	.0507	.0251	-.0062	-.0159	-.0198	-.0185	-.0188	-.0177	-.0197	-.0257	270.00
292.50	-.0705	-.0811	-.0990	-.1013	-.1167	-.1225	-.1160	-.1091	-.1063	-.1035	-.0998	-.1022	292.50
315.00	-.1318	-.1262	-.1338	-.1241	-.1260	-.1228	-.1074	-.1022	-.0996	-.0979	-.0964	-.0999	315.00
337.50	-.1282	-.1209	-.1291	-.1233	-.1266	-.1219	-.1079	-.1028	-.1008	-.0991	-.0973	-.1030	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0931	-.0971	-.0947	-.0974	-.0992	-.0901	-.1038	-.1020	-.1005	-.0966	-.1000	-.1022	0.00
22.50	-.1264	-.1221	-.1166	-.1133	-.1133	-.1133	-.1098	-.0998	-.0984	-.0935	-.0988	-.0985	22.50
45.00	-.1257	-.1242	-.1196	-.1146	-.1124	-.1125	-.1047	-.0994	-.0981	-.0930	-.0981	-.0969	45.00
67.50	-.0684	-.0760	-.0870	-.1038	-.1129	-.1094	-.1087	-.0998	-.0980	-.0983	-.1035	-.0999	67.50
90.00	.1011	.0837	.0581	.0240	.0027	.0039	-.0020	-.0005	.0032	-.0026	-.0051	-.0059	90.00
112.50	.4503	.4309	.3713	.3238	.2712	.2707	.2629	.2601	.2560	.2583	.2527	.2478	112.50
135.00	1.0021	.9618	.8735	.7988	.7136	.7129	.6924	.6828	.6735	.6750	.6618	.6559	135.00
157.50	1.5191	1.4893	1.3881	1.2836	1.1683	1.1723	1.1333	1.1256	1.1037	1.0884	1.0783	1.0570	157.50
180.00	1.7506	1.7149	1.6136	1.4973	1.3679	1.3696	1.3181	1.2823	1.2823	1.2668	1.2507	1.2345	180.00
202.50	1.5570	1.5157	1.4072	1.2949	1.1758	1.1711	1.1243	1.1197	1.0965	1.0873	1.0793	1.0503	202.50
225.00	1.0531	1.0074	.8978	.8189	.7289	.7145	.6871	.6807	.6717	.6662	.6525	.6258	225.00
247.50	.4959	.4582	.3872	.3365	.2797	.2702	.2555	.2593	.2507	.2493	.2423	.2358	247.50
270.00	.1131	.0900	.0526	.0293	.0006	-.0062	-.0136	-.0113	-.0129	-.0109	-.0131	-.0188	270.00
292.50	-.0759	-.0859	-.0998	-.1006	-.1154	-.1175	-.1115	-.1071	-.1064	-.1012	-.1060	-.1061	292.50
315.00	-.1315	-.1335	-.1271	-.1063	-.1112	-.1101	-.1033	-.0993	-.0985	-.0955	-.0987	-.1005	315.00
337.50	-.1241	-.1275	-.1246	-.1081	-.1121	-.1094	-.1037	-.1000	-.0992	-.0966	-.0995	-.1015	337.50

TABLE IV.- Continued

(d) $M_{\infty} = 4.63$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.2564	.2124	.1374	.0806	.0332	.0271	.0191	.0131	.0068	-.0010	-.0055	-.0087	0.00
22.50		.1957	.1142	.0556	.0147	.0026		-.0027	-.0062	.0044	-.0065	-.0089	22.50
45.00	.2250	.1791	.1007	.0478	.0092	-.0022	-.0036	-.0071	-.0106	-.0005	-.0101	-.0114	45.00
67.50	.1992	.1545	.0834	.0375	.0022	-.0083	-.0096	-.0123	-.0151	-.0051	-.0152	-.0187	67.50
90.00	.1706	.1302	.0658	.0276	-.0011	-.0116	-.0121	-.0135	-.0159	-.0060	-.0146	-.0147	90.00
112.50	.1474	.1082	.0515	.0214	-.0037	-.0132	-.0129	-.0137	-.0144	.0009	-.0124	-.0135	112.50
135.00	.1294	.0931	.0422	.0179	-.0053	-.0135	-.0124	-.0109	-.0133	-.0053	-.0105	-.0087	135.00
157.50	.1173	.0838	.0374	.0172	-.0017	-.0138	-.0120	-.0012	-.0125	-.0044	-.0101	-.0065	157.50
180.00	.1142	.0832	.0403	.0318	.0058	.0050	.0122		-.0116	-.0033	-.0057	-.0070	180.00
202.50	.1181	.0848	.0378	.0178	-.0053	-.0141	-.0133	-.0120	-.0125	-.0060	-.0097	-.0033	202.50
225.00	.1294	.0947	.0438	.0234	-.0046	-.0149	-.0131	-.0126	-.0135	-.0091	.0021		225.00
247.50	.1494	.1127	.0544	.0312	-.0030	-.0140	-.0129	-.0129	-.0148	-.0112	-.0139	-.0161	247.50
270.00	.1748	.1354	.0696	.0376	-.0017	-.0130	-.0111	-.0133	-.0145	-.0140	-.0164	-.0182	270.00
292.50	.2030	.1604	.0870	.0494	.0033	-.0102	-.0068	-.0114	-.0133	-.0121	-.0149	-.0180	292.50
315.00	.2279	.1824	.1051	.0596	.0108	-.0043	-.0018	-.0063	-.0076	-.0072	-.0105	-.0136	315.00
337.50	.2450	.1974	.1166	.0680	.0163	.0017	.0046	-.0007	-.0031	-.0048	-.0071	-.0109	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1842	.1509	.0945	.0528	.0201	.0286	.0047	.0014	-.0016	.0014	.0021	.0014	0.00
22.50		.1359	.0700	.0285	-.0007	-.0079		-.0084	-.0090	.0054	.0028	.0026	22.50
45.00	.1764	.1357	.0693	.0300	.0001	-.0071	-.0086	-.0087	-.0097	.0053	.0030	.0038	45.00
67.50	.1766	.1349	.0699	.0315	.0010	-.0069	-.0083	-.0089	-.0096	.0044	.0018	.0010	67.50
90.00	.1755	.1359	.0704	.0316	.0026	-.0065	-.0065	-.0074	-.0085	.0051	.0028	.0039	90.00
112.50	.1768	.1361	.0708	.0334	.0029	-.0063	-.0059	-.0075	-.0081	.0096	.0027	.0026	112.50
135.00	.1780	.1373	.0711	.0341	.0032	-.0060	-.0055	-.0059	-.0083	.0019	.0030	.0033	135.00
157.50	.1770	.1373	.0714	.0344	.0037	-.0062	-.0058	.0025	-.0083	.0018	.0015	.0065	157.50
180.00	.1779	.1385	.0737	.0465	.0126	.0011	-.0061		-.0081	.0011	.0033	.0044	180.00
202.50	.1792	.1384	.0718	.0347	.0038	-.0062	-.0069	-.0074	-.0080	.0002	.0013	.0015	202.50
225.00	.1789	.1385	.0720	.0377	.0038	-.0066	-.0062	-.0071	-.0081	-.0012	.0133		225.00
247.50	.1795	.1400	.0722	.0395	.0028	-.0071	-.0061	-.0068	-.0083	-.0016	.0005	.0011	247.50
270.00	.1795	.1402	.0722	.0385	.0011	-.0072	-.0059	-.0074	-.0071	-.0024	.0003	.0005	270.00
292.50	.1789	.1395	.0715	.0389	-.0000	-.0097	-.0064	-.0083	-.0083	-.0010	.0015	.0013	292.50
315.00	.1779	.1385	.0717	.0376	-.0001	-.0059	-.0076	-.0087	-.0074	-.0003	.0019	.0018	315.00
337.50	.1761	.1372	.0723	.0368	.0001	-.0028	-.0057	-.0074	-.0067	-.0007	.0020	.0014	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1276	.1041	.0662	.0364	.0133	.0219	-.0036	-.0064	-.0076	-.0068	-.0078	-.0108	0.00
22.50		.0849	.0373	.0088	-.0103	-.0162		-.0132	-.0136	-.0034	-.0101	-.0096	22.50
45.00	.1308	.0945	.0428	.0135	-.0086	-.0162	-.0156	-.0142	-.0148	-.0047	-.0113	-.0089	45.00
67.50	.1499	.1105	.0541	.0206	-.0059	-.0150	-.0148	-.0149	-.0158	-.0066	-.0137	-.0123	67.50
90.00	.1735	.1348	.0760	.0296	.0005	-.0106	-.0095	-.0118	-.0141	-.0056	-.0132	-.0105	90.00
112.50	.2027	.1604	.0884	.0421	.0074	-.0055	-.0042	-.0079	-.0102	.0029	-.0106	-.0125	112.50
135.00	.2304	.1847	.1060	.0539	.0147	.0001	.0017	-.0016	-.0058	-.0006	-.0055	-.0060	135.00
157.50	.2479	.2016	.1156	.0627	.0240	.0044	.0059	.0086	-.0018	.0031	-.0026	-.0015	157.50
180.00	.2567	.2089	.1259	.0737	.0275	.0109	.0072		-.0004	.0041	.0011	-.0022	180.00
202.50	.2514	.2030	.1196	.0643	.0209	.0039	.0050	.0010	-.0020	.0023	-.0022	.0021	202.50
225.00	.2327	.1865	.1063	.0589	.0155	-.0017	.0008	-.0031	-.0062	-.0033	.0066		225.00
247.50	.2058	.1638	.0864	.0490	.0080	-.0075	-.0051	-.0079	-.0110	-.0085	-.0116	-.0150	247.50
270.00	.1771	.1381	.0695	.0369	-.0006	-.0132	-.0100	-.0124	-.0131	-.0126	-.0141	-.0146	270.00
292.50	.1511	.1137	.0531	.0279	-.0066	-.0173	-.0132	-.0146	-.0140	-.0110	-.0115	-.0130	292.50
315.00	.1315	.0962	.0427	.0211	-.0090	-.0159	-.0146	-.0142	-.0126	-.0100	-.0108	-.0124	315.00
337.50	.1189	.0866	.0392	.0174	-.0090	-.0125	-.0120	-.0125	-.0115	-.0105	-.0104	-.0127	337.50

TABLE IV.- Continued

(d) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0873	.0749	.0506	.0279	.0080	.0170	-.0093	-.0095	-.0097	-.0086	-.0110	-.0150	0.00
22.50		.0480	.0155	-.0046	-.0173	-.0204		-.0191	-.0205	-.0122	-.0202	-.0209	22.50
45.00	.0894	.0589	.0215	-.0008	-.0173	-.0219	-.0223	-.0200	-.0208	-.0117	-.0184	-.0176	45.00
67.50	.1205	.0851	.0394	.0096	-.0131	-.0197	-.0228	-.0214	-.0214	-.0126	-.0201	-.0213	67.50
90.00	.1653	.1282	.0675	.0267	-.0023	-.0129	-.0139	-.0166	-.0198	-.0118	-.0208	-.0203	90.00
112.50	.2225	.1818	.1077	.0535	.0136	.0012	-.0002	-.0057	-.0096	.0015	-.0128	-.0150	112.50
135.00	.2859	.2355	.1485	.0826	.0328	.0175	.0158	.0092	.0034	.0060	.0003	-.0004	135.00
157.50	.3295	.2757	.1793	.1065	.0526	.0307	.0290	.0257	.0148	.0177	.0107	.0105	157.50
180.00	.3496	.2927	.1923	.1207	.0587	.0379	.0335		.0190	.0212	.0169	.0127	180.00
202.50	.3354	.2787	.1792	.1087	.0495	.0290	.0273	.0196	.0136	.0160	.0104	.0143	202.50
225.00	.2912	.2382	.1474	.0880	.0338	.0144	.0136	.0070	.0015	.0030	.0111		225.00
247.50	.2311	.1856	.1051	.0605	.0144	-.0030	-.0025	-.0069	-.0120	-.0105	-.0152	-.0179	247.50
270.00	.1701	.1304	.0644	.0333	-.0038	-.0162	-.0151	-.0179	-.0202	-.0205	-.0231	-.0234	270.00
292.50	.1198	.0861	.0372	.0155	-.0150	-.0247	-.0220	-.0213	-.0204	-.0176	-.0190	-.0211	292.50
315.00	.0871	.0591	.0191	.0061	-.0185	-.0249	-.0211	-.0205	-.0192	-.0170	-.0187	-.0207	315.00
337.50	.0720	.0493	.0174	.0056	-.0164	-.0181	-.0180	-.0188	-.0188	-.0197	-.0202	-.0222	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0635	.0576	.0399	.0244	.0078	.0149	-.0103	-.0138	-.0169	-.0192	-.0212	-.0234	0.00
22.50		.0226	.0008	-.0124	-.0222	-.0251		-.0250	-.0256	-.0148	-.0239	-.0250	22.50
45.00	.0535	.0305	.0034	-.0119	-.0223	-.0262	-.0272	-.0241	-.0250	-.0146	-.0232	-.0232	45.00
67.50	.0903	.0596	.0251	-.0003	-.0192	-.0252	-.0277	-.0252	-.0252	-.0153	-.0250	-.0265	67.50
90.00	.1575	.1229	.0664	.0246	-.0029	-.0126	-.0153	-.0180	-.0217	-.0140	-.0242	-.0242	90.00
112.50	.2454	.2032	.1265	.0673	.0237	.0103	.0073	.0003	-.0046	.0054	-.0097	-.0127	112.50
135.00	.3457	.2907	.1932	.1192	.0599	.0415	.0373	.0275	.0197	.0207	.0135	.0120	135.00
157.50	.4200	.3596	.2481	.1613	.0942	.0688	.0644	.0540	.0425	.0426	.0349	.0328	157.50
180.00	.4533	.3883	.2708	.1806	.1062	.0811	.0741		.0511	.0507	.0456	.0389	180.00
202.50	.4283	.3638	.2485	.1635	.0918	.0669	.0616	.0491	.0399	.0408	.0341	.0344	202.50
225.00	.3536	.2943	.1923	.1241	.0606	.0375	.0339	.0239	.0158	.0167	.0234		225.00
247.50	.2553	.2067	.1231	.0740	.0241	.0056	.0035	-.0023	-.0089	-.0073	-.0124	-.0169	247.50
270.00	.1614	.1233	.0594	.0315	-.0052	-.0166	-.0174	-.0206	-.0229	-.0232	-.0269	-.0280	270.00
292.50	.0877	.0601	.0188	.0065	-.0206	-.0280	-.0270	-.0255	-.0245	-.0217	-.0232	-.0258	292.50
315.00	.0492	.0297	.0014	-.0032	-.0231	-.0274	-.0259	-.0250	-.0237	-.0215	-.0233	-.0256	315.00
337.50	.0397	.0247	.0032	-.0001	-.0203	-.0223	-.0236	-.0245	-.0239	-.0237	-.0240	-.0263	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0489	.0462	.0345	.0221	.0075	.0163	-.0176	-.0228	-.0235	-.0220	-.0242	-.0274	0.00
22.50		.0060	-.0096	-.0190	-.0264	-.0288		-.0268	-.0273	-.0154	-.0262	-.0259	22.50
45.00	.0263	.0078	-.0099	-.0183	-.0252	-.0288	-.0301	-.0266	-.0276	-.0155	-.0235	-.0247	45.00
67.50	.0698	.0434	.0147	-.0060	-.0218	-.0266	-.0297	-.0276	-.0274	-.0161	-.0272	-.0283	67.50
90.00	.1555	.1215	.0650	.0245	-.0023	-.0110	-.0144	-.0169	-.0202	-.0123	-.0235	-.0234	90.00
112.50	.2712	.2260	.1487	.0839	.0368	.0240	.0185	.0102	.0051	.0131	-.0019	-.0045	112.50
135.00	.4084	.3512	.2440	.1606	.0936	.0744	.0665	.0541	.0455	.0432	.0358	.0336	135.00
157.50	.5189	.4536	.3278	.2259	.1469	.1205	.1116	.0969	.0845	.0808	.0729	.0694	157.50
180.00	.5703	.4977	.3626	.2545	.1666	.1397	.1285		.0993	.0954	.0899	.0811	180.00
202.50	.5326	.4619	.3291	.2288	.1457	.1182	.1077	.0921	.0801	.0780	.0721	.0696	202.50
225.00	.4240	.3607	.2443	.1663	.0948	.0683	.0614	.0487	.0389	.0383	.0437		225.00
247.50	.2847	.2336	.1447	.0906	.0377	.0170	.0131	.0067	-.0013	-.0002	-.0054	-.0109	247.50
270.00	.1563	.1201	.0579	.0312	-.0037	-.0155	-.0174	-.0203	-.0228	-.0233	-.0269	-.0285	270.00
292.50	.0653	.0433	.0073	.0011	-.0233	-.0299	-.0292	-.0282	-.0275	-.0243	-.0259	-.0283	292.50
315.00	.0209	.0079	-.0126	-.0086	-.0256	-.0289	-.0286	-.0275	-.0262	-.0236	-.0257	-.0275	315.00
337.50	.0188	.0085	-.0062	-.0056	-.0239	-.0233	-.0264	-.0267	-.0261	-.0256	-.0262	-.0292	337.50

TABLE IV.- Continued

(d) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0364	.0358	.0297	.0215	.0023	.0097	-.0238	-.0290	-.0288	-.0257	-.0280	-.0318	0.00
22.50		-.0102	-.0207	-.0252	-.0290	-.0325	-.0310	-.0310	-.0311	-.0151	-.0292	-.0300	22.50
45.00	.0037	-.0107	-.0209	-.0228	-.0276	-.0323	-.0327	-.0309	-.0311	-.0167	-.0281	-.0274	45.00
67.50	.0498	.0281	.0025	-.0110	-.0237	-.0296	-.0314	-.0314	-.0311	-.0180	-.0299	-.0311	67.50
90.00	.1516	.1191	.0638	.0258	.0003	-.0096	-.0135	-.0169	-.0196	-.0113	-.0226	-.0221	90.00
112.50	.3018	.2531	.1703	.1037	.0536	.0384	.0318	.0230	.0176	.0231	.0098	.0075	112.50
135.00	.4809	.4188	.2997	.2081	.1354	.1124	.1015	.0875	.0784	.0740	.0674	.0649	135.00
157.50	.6323	.5615	.4186	.3023	.2089	.1794	.1680	.1518	.1400	.1331	.1255	.1205	157.50
180.00	.7018	.6229	.4703	.3432	.2393	.2053	.1933		.1638	.1568	.1512	.1420	180.00
202.50	.6474	.5722	.4242	.3066	.2085	.1775	.1643	.1487	.1348	.1308	.1243	.1177	202.50
225.00	.4956	.4308	.3049	.2153	.1357	.1064	.0959	.0813	.0698	.0686	.0716		225.00
247.50	.3113	.2611	.1681	.1126	.0537	.0298	.0250	.0164	.0082	.0101	.0044	-.0022	247.50
270.00	.1517	.1160	.0566	.0347	-.0025	-.0157	-.0171	-.0210	-.0235	-.0228	-.0274	-.0291	270.00
292.50	.0442	.0249	-.0047	.0005	-.0252	-.0330	-.0312	-.0322	-.0315	-.0276	-.0296	-.0317	292.50
315.00	-.0029	-.0126	-.0235	-.0085	-.0280	-.0325	-.0316	-.0315	-.0298	-.0265	-.0287	-.0315	315.00
337.50	.0005	-.0070	-.0163	-.0075	-.0269	-.0279	-.0291	-.0310	-.0304	-.0284	-.0292	-.0324	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0300	.0306	.0247	.0185	-.0028	.0098	-.0261	-.0321	-.0314	-.0286	-.0343	-.0331	0.00
22.50		-.0189	-.0254	-.0286	-.0359	-.0341	-.0333	-.0330	-.0330	-.0171	-.0316	-.0319	22.50
45.00	-.0058	-.0187	-.0256	-.0260	-.0348	-.0341	-.0347	-.0329	-.0329	-.0187	-.0306	-.0292	45.00
67.50	.0400	.0220	-.0009	-.0137	-.0303	-.0305	-.0326	-.0328	-.0324	-.0201	-.0330	-.0326	67.50
90.00	.1480	.1187	.0766	.0297	-.0016	-.0058	-.0101	-.0138	-.0161	-.0090	-.0209	-.0195	90.00
112.50	.3225	.2789	.1972	.1282	.0686	.0571	.0502	.0405	.0357	.0384	.0252	.0233	112.50
135.00	.5463	.4863	.3621	.2617	.1768	.1575	.1458	.1305	.1229	.1163	.1082	.1061	135.00
157.50	.7398	.6695	.5260	.3883	.2778	.2474	.2365	.2184	.2079	.2002	.1909	.1839	157.50
180.00	.8301	.7500	.5884	.4445	.3218	.2846	.2728		.2426	.2347	.2258	.2144	180.00
202.50	.7597	.6831	.5289	.3952	.2800	.2464	.2323	.2151	.2037	.1986	.1904	.1816	202.50
225.00	.5667	.5002	.3707	.2719	.1804	.1521	.1389	.1229	.1128	.1094	.1106		225.00
247.50	.3378	.2880	.1961	.1372	.0709	.0475	.0414	.0315	.0237	.0259	.0186	.0126	247.50
270.00	.1505	.1169	.0594	.0382	-.0019	-.0141	-.0149	-.0196	-.0217	-.0210	-.0274	-.0278	270.00
292.50	.0323	.0165	-.0083	-.0015	-.0295	-.0349	-.0326	-.0344	-.0338	-.0300	-.0348	-.0341	292.50
315.00	-.0134	-.0206	-.0287	-.0100	-.0330	-.0349	-.0338	-.0339	-.0318	-.0290	-.0342	-.0326	315.00
337.50	-.0101	-.0150	-.0215	-.0088	-.0319	-.0309	-.0319	-.0334	-.0323	-.0310	-.0341	-.0337	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0254	.0273	.0232	.0179	.0002	.0136	-.0278	-.0339	-.0334	-.0309	-.0313	-.0342	0.00
22.50		-.0239	-.0286	-.0312	-.0326	-.0361	-.0342	-.0342	-.0342	-.0174	-.0322	-.0320	22.50
45.00	-.0124	-.0232	-.0282	-.0280	-.0311	-.0358	-.0358	-.0338	-.0342	-.0189	-.0310	-.0293	45.00
67.50	.0337	.0175	-.0021	-.0144	-.0255	-.0314	-.0329	-.0326	-.0326	-.0203	-.0330	-.0328	67.50
90.00	.1473	.1211	.0764	.0348	.0090	-.0008	-.0050	-.0081	-.0100	-.0043	-.0146	-.0144	90.00
112.50	.3460	.3031	.2249	.1533	.0981	.0797	.0726	.0633	.0588	.0591	.0491	.0474	112.50
135.00	.6126	.5486	.4273	.3207	.2339	.2055	.1952	.1808	.1740	.1672	.1624	.1579	135.00
157.50	.8492	.7747	.6240	.4849	.3659	.3248	.3170	.2990	.2887	.2794	.2721	.2599	157.50
180.00	.9596	.8747	.7095	.5590	.4244	.3755	.3667		.3376	.3264	.3191	.3025	180.00
202.50	.8735	.7921	.6331	.4937	.3691	.3253	.3115	.2950	.2817	.2768	.2710	.2563	202.50
225.00	.6386	.5692	.4359	.3323	.2383	.2025	.1882	.1727	.1638	.1614	.1624		225.00
247.50	.3649	.3145	.2219	.1619	.0998	.0705	.0622	.0520	.0443	.0454	.0400	.0339	247.50
270.00	.1512	.1182	.0632	.0436	.0082	-.0096	-.0112	-.0161	-.0181	-.0171	-.0260	-.0237	270.00
292.50	.0252	.0103	-.0113	-.0014	-.0246	-.0356	-.0336	-.0350	-.0350	-.0322	-.0331	-.0348	292.50
315.00	-.0198	-.0257	-.0319	-.0111	-.0289	-.0371	-.0354	-.0347	-.0334	-.0309	-.0317	-.0335	315.00
337.50	-.0171	-.0203	-.0247	-.0088	-.0280	-.0264	-.0330	-.0346	-.0340	-.0330	-.0318	-.0345	337.50

TABLE IV. Continued

(d) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0224	.0254	.0209	-.0167	-.0019	.0061	-.0299	-.0346	-.0341	-.0307	-.0318	-.0327	0.00
22.50	-.0265	-.0265	-.0303	-.0325	-.0351	-.0367	-.0367	-.0344	-.0344	-.0172	-.0311	-.0297	22.50
45.00	-.0198	-.0254	-.0297	-.0292	-.0339	-.0358	-.0369	-.0341	-.0342	-.0190	-.0302	-.0270	45.00
67.50	.0289	.0148	-.0031	-.0152	-.0277	-.0300	-.0327	-.0327	-.0322	-.0201	-.0326	-.0302	67.50
90.00	.1503	.1265	.0827	.0406	.0123	.0065	.0009	-.0020	-.0027	.0010	-.0077	-.0060	90.00
112.50	.3696	.3310	.2515	.1791	.1204	.1064	.0972	.0890	.0851	.0849	.0745	.0741	112.50
135.00	.6782	.6169	.4905	.3834	.2874	.2620	.2513	.2376	.2301	.2232	.2172	.2125	135.00
157.50	.9579	.8869	.7256	.5886	.4569	.4170	.4088	.3930	.3799	.3689	.3609	.3475	157.50
180.00	1.0884	1.0068	.8301	.6815	.5331	.4825	.4741	.4431	.4431	.4313	.4218	.4044	180.00
202.50	.9865	.9054	.7355	.5969	.4601	.4162	.4027	.3885	.3735	.3670	.3592	.3427	202.50
225.00	.7082	.6379	.5010	.3946	.2924	.2576	.2437	.2292	.2199	.2171	.2164	.2056	225.00
247.50	.3916	.3403	.2478	.1880	.1213	.0949	.0861	.0764	.0682	.0736	.0667	.0586	247.50
270.00	.1533	.1217	.0678	.0501	.0110	-.0042	-.0065	-.0107	-.0134	-.0125	-.0156	-.0192	270.00
292.50	.0204	.0074	-.0131	-.0006	-.0279	-.0351	-.0337	-.0350	-.0356	-.0324	-.0336	-.0332	292.50
315.00	-.0240	-.0282	-.0339	-.0098	-.0325	-.0367	-.0358	-.0355	-.0343	-.0309	-.0317	-.0318	315.00
337.50	-.0212	-.0227	-.0270	-.0080	-.0317	-.0329	-.0338	-.0352	-.0344	-.0326	-.0318	-.0328	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0205	.0243	.0194	.0155	-.0019	.0053	-.0305	-.0350	-.0332	-.0274	-.0290	-.0303	0.00
22.50	-.0281	-.0291	-.0321	-.0333	-.0359	-.0372	-.0372	-.0345	-.0335	-.0149	-.0281	-.0265	22.50
45.00	-.0187	-.0276	-.0310	-.0300	-.0340	-.0365	-.0372	-.0342	-.0335	-.0169	-.0276	-.0245	45.00
67.50	.0258	.0133	-.0033	-.0146	-.0272	-.0295	-.0322	-.0312	-.0312	-.0187	-.0297	-.0276	67.50
90.00	.1537	.1316	.0911	.0477	.0197	.0138	.0080	.0066	.0054	.0077	-.0019	.0011	90.00
112.50	.3941	.3575	.2785	.2055	.1482	.1332	.1251	.1171	.1139	.1117	.1021	.1036	112.50
135.00	.7465	.6867	.5580	.4464	.3483	.3186	.3113	.2985	.2896	.2847	.2765	.2710	135.00
157.50	1.0712	1.0016	.8342	.6939	.5575	.5117	.5096	.4940	.4769	.4654	.4551	.4377	157.50
180.00	1.2232	1.1424	.9608	.8055	.6501	.5959	.5933	.5733	.5577	.5450	.5325	.5105	180.00
202.50	1.1056	1.0237	.8460	.7032	.5619	.5139	.5035	.4906	.4714	.4645	.4545	.4341	202.50
225.00	.7813	.7117	.5701	.4595	.3551	.3178	.3044	.2912	.2809	.2782	.2738	.2630	225.00
247.50	.4204	.3697	.2776	.2144	.1499	.1225	.1127	.1037	.0951	.0980	.0930	.0868	247.50
270.00	.1566	.1259	.0751	.0570	.0181	.0011	.0001	-.0044	-.0075	-.0046	-.0094	-.0133	270.00
292.50	.0167	.0044	-.0142	-.0003	-.0272	-.0360	-.0335	-.0347	-.0352	-.0299	-.0313	-.0310	292.50
315.00	-.0272	-.0308	-.0353	-.0100	-.0327	-.0383	-.0364	-.0357	-.0333	-.0275	-.0293	-.0295	315.00
337.50	-.0242	-.0255	-.0284	-.0084	-.0320	-.0341	-.0342	-.0353	-.0335	-.0294	-.0290	-.0303	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0204	.0233	.0185	.0145	-.0043	.0065	-.0297	-.0318	-.0294	-.0246	-.0267	-.0295	0.00
22.50	-.0297	-.0334	-.0339	-.0359	-.0359	-.0364	-.0367	-.0310	-.0290	-.0129	-.0256	-.0253	22.50
45.00	-.0202	-.0286	-.0318	-.0305	-.0345	-.0358	-.0356	-.0309	-.0289	-.0142	-.0250	-.0234	45.00
67.50	.0252	.0131	-.0026	-.0143	-.0264	-.0276	-.0311	-.0295	-.0273	-.0163	-.0273	-.0261	67.50
90.00	.1605	.1377	.0980	.0548	.0272	.0233	.0170	.0154	.0149	.0155	.0083	.0123	90.00
112.50	.4221	.3845	.3051	.2325	.1752	.1630	.1553	.1469	.1442	.1401	.1362	.1368	112.50
135.00	.8163	.7523	.6197	.5119	.4132	.3850	.3770	.3620	.3523	.3464	.3417	.3358	135.00
157.50	1.1838	1.1100	.9429	.8040	.6626	.6211	.6183	.5987	.5799	.5687	.5597	.5395	157.50
180.00	1.3606	1.2713	1.0920	.9371	.7760	.7265	.7232	.7032	.6708	.6661	.6521	.6290	180.00
202.50	1.2242	1.1345	.9579	.8169	.6692	.6248	.6142	.5972	.5753	.5691	.5592	.5350	202.50
225.00	.8548	.7811	.6347	.5278	.4218	.3821	.3714	.3574	.3424	.3412	.3384	.3250	225.00
247.50	.4509	.3991	.3038	.2422	.1767	.1481	.1418	.1338	.1247	.1274	.1241	.1166	247.50
270.00	.1623	.1313	.0803	.0626	.0240	.0043	.0073	.0032	-.0004	.0030	-.0002	-.0061	270.00
292.50	.0148	.0034	-.0150	-.0015	-.0289	-.0395	-.0330	-.0337	-.0321	-.0271	-.0289	-.0306	292.50
315.00	-.0294	-.0323	-.0362	-.0124	-.0354	-.0426	-.0353	-.0323	-.0287	-.0241	-.0266	-.0286	315.00
337.50	-.0260	-.0272	-.0292	-.0105	-.0345	-.0343	-.0333	-.0319	-.0292	-.0262	-.0266	-.0299	337.50

TABLE IV.- Continued

(d) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0194	.0233	.0184	.0146	-.0012	.0134	-.0264	-.0288	-.0273	-.0232	-.0247	-.0306	0.00
22.50		-.0312	-.0330	-.0337	-.0339	-.0368	-.0277	-.0269	-.0117	-.0246	-.0244	-.0244	22.50
45.00	-.0215	-.0299	-.0319	-.0303	-.0323	-.0360	-.0323	-.0275	-.0270	-.0131	-.0241	-.0229	45.00
67.50	.0229	.0123	-.0023	-.0135	-.0250	-.0279	-.0301	-.0268	-.0255	-.0161	-.0271	-.0263	67.50
90.00	.1634	.1430	.1057	.0621	.0357	.0299	.0259	.0250	.0254	.0243	.0190	.0204	90.00
112.50	.4414	.4100	.3327	.2594	.2020	.1904	.1853	.1774	.1750	.1727	.1663	.1655	112.50
135.00	.8776	.8192	.6845	.5775	.4767	.4488	.4469	.4285	.4182	.4141	.4064	.3987	135.00
157.50	1.2934	1.2255	1.0559	.9134	.7679	.7387	.7336	.7055	.6832	.6716	.6597	.6422	157.50
180.00	1.4941	1.4114	1.2266	1.0672	.9017	.8618	.8581	.8192	.7932	.7870	.7699	.7488	180.00
202.50	1.3346	1.2524	1.0716	.9269	.7764	.7405	.7300	.7062	.6788	.6718	.6583	.6351	202.50
225.00	.9196	.8532	.7005	.5952	.4884	.4518	.4423	.4251	.4144	.4067	.4015		225.00
247.50	.4735	.4266	.3319	.2696	.2041	.1788	.1747	.1656	.1567	.1577	.1547	.1449	247.50
270.00	.1644	.1363	.0873	.0699	.0321	.0148	.0150	.0111	.0078	.0115	.0088	-.0001	270.00
292.50	.0127	.0020	-.0150	-.0006	-.0269	-.0359	-.0320	-.0316	-.0307	-.0267	-.0283	-.0327	292.50
315.00	-.0311	-.0335	-.0367	-.0113	-.0322	-.0374	-.0318	-.0287	-.0267	-.0229	-.0250	-.0306	315.00
337.50	-.0277	-.0280	-.0297	-.0092	-.0314	-.0294	-.0301	-.0284	-.0269	-.0248	-.0248	-.0305	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0192	.0246	.0192	.0159	.0037	.0122	-.0237	-.0273	-.0265	-.0219	-.0231	-.0273	0.00
22.50		-.0315	-.0333	-.0319	-.0304	-.0326	-.0260	-.0260	-.0258	-.0118	-.0230	-.0229	22.50
45.00	-.0228	-.0301	-.0323	-.0282	-.0284	-.0319	-.0290	-.0258	-.0258	-.0129	-.0225	-.0214	45.00
67.50	.0206	.0122	-.0019	-.0127	-.0228	-.0260	-.0281	-.0249	-.0240	-.0158	-.0259	-.0246	67.50
90.00	.1637	.1478	.1126	.0700	.0453	.0406	.0367	.0357	.0370	.0350	.0291	.0318	90.00
112.50	.4518	.4328	.3587	.2874	.2309	.2192	.2177	.2087	.2078	.2034	.1969	.1970	112.50
135.00	.9134	.8804	.7476	.6456	.5428	.5177	.5203	.4990	.4888	.4824	.4732	.4686	135.00
157.50	1.3609	1.3334	1.1678	1.0273	.8753	.8534	.8542	.8207	.7872	.7802	.7637	.7518	157.50
180.00	1.5723	1.5377	1.3605	1.2001	1.0278	.9962	.9994	.9218	.9123	.8913	.8901	.8774	180.00
202.50	1.4015	1.3606	1.1864	1.0396	.8844	.8588	.8504	.8209	.7834	.7789	.7605	.7442	202.50
225.00	.9587	.9170	.7688	.6657	.5575	.5225	.5161	.4964	.4834	.4727	.4651		225.00
247.50	.4862	.4506	.3618	.2995	.2355	.2107	.2044	.1956	.1846	.1883	.1842	.1765	247.50
270.00	.1651	.1414	.0944	.0780	.0431	.0252	.0235	.0198	.0166	.0214	.0186	.0134	270.00
292.50	.0098	.0016	-.0153	.0010	-.0232	-.0326	-.0307	-.0307	-.0305	-.0261	-.0275	-.0309	292.50
315.00	-.0324	-.0336	-.0372	-.0087	-.0272	-.0321	-.0286	-.0272	-.0258	-.0214	-.0233	-.0271	315.00
337.50	-.0290	-.0277	-.0304	-.0079	-.0265	-.0287	-.0270	-.0268	-.0259	-.0233	-.0231	-.0276	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0193	.0246	.0206	.0156	.0046	.0126	-.0227	-.0262	-.0252	-.0200	-.0219	-.0250	0.00
22.50		-.0319	-.0331	-.0304	-.0285	-.0300	-.0250	-.0250	-.0245	-.0098	-.0207	-.0207	22.50
45.00	-.0238	-.0307	-.0318	-.0268	-.0270	-.0290	-.0278	-.0248	-.0244	-.0109	-.0203	-.0188	45.00
67.50	.0190	.0106	-.0015	-.0121	-.0236	-.0241	-.0269	-.0235	-.0223	-.0139	-.0240	-.0219	67.50
90.00	.1650	.1482	.1176	.0772	.0515	.0497	.0453	.0464	.0474	.0442	.0386	.0414	90.00
112.50	.4649	.4418	.3801	.3137	.2571	.2475	.2475	.2395	.2372	.2328	.2265	.2262	112.50
135.00	.9557	.9131	.8017	.7081	.6061	.5860	.5876	.5674	.5578	.5486	.5405	.5338	135.00
157.50	1.4344	1.3952	1.2665	1.1301	.9813	.9632	.9628	.9341	.8957	.8876	.8695	.8568	157.50
180.00	1.6601	1.6155	1.4815	1.3247	1.1559	1.1243	1.1258	1.0458	1.0458	1.0364	1.0120	.9965	180.00
202.50	1.4795	1.4278	1.2911	1.1470	.9928	.9665	.9584	.9337	.8896	.8850	.8644	.8459	202.50
225.00	1.0051	.9552	.8286	.7312	.6221	.5888	.5830	.5640	.5507	.5375	.5305		225.00
247.50	.5004	.4608	.3861	.3256	.2615	.2361	.2326	.2254	.2166	.2168	.2122	.2055	247.50
270.00	.1663	.1418	.0998	.0849	.0486	.0290	.0317	.0290	.0244	.0296	.0267	.0191	270.00
292.50	.0075	-.0000	-.0150	.0006	-.0245	-.0351	-.0302	-.0298	-.0296	-.0250	-.0265	-.0285	292.50
315.00	-.0336	-.0342	-.0372	-.0086	-.0254	-.0324	-.0276	-.0258	-.0242	-.0197	-.0210	-.0246	315.00
337.50	-.0296	-.0281	-.0299	-.0077	-.0246	-.0279	-.0258	-.0254	-.0244	-.0212	-.0217	-.0247	337.50

TABLE IV.- Concluded

(d) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0192	.0242	.0217	.0180	-.0018	.0234	-.0212	-.0237	-.0213	-.0165	-.0247	-.0235	0.00
22.50		-.0324	-.0311	-.0244	-.0309	-.0273	-.0222	-.0222	-.0205	-.0069	-.0186	-.0193	22.50
45.00	-.0250	-.0317	-.0295	-.0204	-.0297	-.0259	-.0261	-.0219	-.0204	-.0078	-.0181	-.0173	45.00
67.50	.0166	.0090	-.0012	-.0112	-.0277	-.0214	-.0251	-.0209	-.0185	-.0115	-.0222	-.0204	67.50
90.00	.1634	.1488	.1232	.0841	.0546	.0622	.0557	.0571	.0589	.0543	.0491	.0523	90.00
112.50	.4736	.4530	.4016	.3388	.2811	.2791	.2742	.2704	.2687	.2640	.2591	.2557	112.50
135.00	.9890	.9489	.8593	.7716	.6736	.6527	.6563	.6372	.6238	.6185	.6160	.6028	135.00
157.50	1.4950	1.4636	1.3675	1.2351	1.0920	1.0808	1.0723	1.0466	1.0097	1.0004	.9879	.9667	157.50
180.00	1.7354	1.6982	1.6012	1.4488	1.2884	1.2653	1.2531	1.1744	1.1744	1.1651	1.1456	1.1208	180.00
202.50	1.5385	1.4947	1.3953	1.2529	1.1059	1.0834	1.0675	1.0450	1.0007	.9921	.9765	.9499	202.50
225.00	1.0422	.9947	.8884	.7953	.6909	.6604	.6501	.6313	.6154	.6041	.6030		225.00
247.50	.5090	.4741	.4083	.3515	.2851	.2689	.2612	.2551	.2490	.2456	.2428	.2337	247.50
270.00	.1637	.1415	.1039	.0898	.0481	.0413	.0398	.0377	.0356	.0387	.0356	.0281	270.00
292.50	.0052	-.0018	-.0148	-.0013	-.0323	-.0295	-.0288	-.0277	-.0261	-.0220	-.0255	-.0273	292.50
315.00	-.0351	-.0351	-.0348	-.0066	-.0311	-.0261	-.0257	-.0230	-.0203	-.0162	-.0200	-.0232	315.00
337.50	-.0303	-.0286	-.0280	-.0039	-.0304	-.0214	-.0240	-.0224	-.0206	-.0180	-.0231	-.0235	337.50

ALPHA = 50.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0182	.0224	.0245	.0219	.0067	.0194	-.0176	-.0199	-.0186	-.0157	-.0191	-.0224	0.00
22.50		-.0323	-.0246	-.0214	-.0231	-.0255	-.0180	-.0180	-.0179	-.0059	-.0177	-.0182	22.50
45.00	-.0257	-.0319	-.0223	-.0179	-.0221	-.0248	-.0178	-.0177	-.0177	-.0065	-.0171	-.0163	45.00
67.50	.0131	.0069	-.0009	-.0100	-.0217	-.0200	-.0226	-.0171	-.0158	-.0107	-.0214	-.0201	67.50
90.00	.1562	.1469	.1278	.0908	.0674	.0691	.0659	.0680	.0700	.0641	.0593	.0655	90.00
112.50	.4669	.4583	.4156	.3621	.3099	.3138	.3066	.3012	.2963	.2938	.2880	.2902	112.50
135.00	.9952	.9750	.9082	.8287	.7348	.7373	.7212	.7029	.6843	.6861	.6757	.6731	135.00
157.50	1.5076	1.5103	1.4576	1.3330	1.1973	1.2019	1.1755	1.1520	1.1145	1.1088	1.0885	1.0756	157.50
180.00	1.7599	1.7573	1.7111	1.5656	1.4130	1.4059	1.3707	1.2976	1.2976	1.2886	1.2642	1.2467	180.00
202.50	1.5524	1.5432	1.4849	1.3499	1.2079	1.1945	1.1654	1.1478	1.0986	1.0946	1.0731	1.0564	202.50
225.00	1.0322	1.0156	.9348	.8531	.7511	.7283	.7109	.6948	.6721	.6673	.6581		225.00
247.50	.5034	.4782	.4244	.3738	.3137	.2950	.2886	.2855	.2754	.2744	.2699	.2636	247.50
270.00	.1560	.1384	.1070	.0970	.0617	.0466	.0482	.0475	.0452	.0481	.0451	.0375	270.00
292.50	.0016	-.0047	-.0147	.0017	-.0245	-.0322	-.0266	-.0246	-.0245	-.0219	-.0250	-.0260	292.50
315.00	-.0359	-.0357	-.0271	-.0011	-.0220	-.0278	-.0218	-.0192	-.0179	-.0154	-.0189	-.0216	315.00
337.50	-.0309	-.0287	-.0225	-.0002	-.0215	-.0221	-.0203	-.0190	-.0182	-.0170	-.0189	-.0225	337.50

TABLE V.- PRESSURE COEFFICIENTS FOR CIRCULAR-ARC—CYLINDER—BOATTAIL MODEL

(a) $M_{\infty} = 1.6$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2145	.2514	.1445	.0449	-.0773	-.0398	-.0326	-.0197	-.0112	-.0041	-.1176	-.1011	0.00
22.50	.3133	.2476	.1397	.0404	-.0387	-.0486	-.0336	-.0227	-.0141	-.0064	-.1223	-.1073	22.50
45.00	.2977	.2282	.1239	.0280	-.0472	-.0610	-.0434	-.0333	-.0198	-.0141	-.1294	-.1105	45.00
67.50	.2698	.2076	.0978	.0100	-.0660	-.0752	-.0526	-.0435	-.0275	-.0234	-.1338	-.1126	67.50
90.00	.2392	.1745	.0763	-.0065	-.0751	-.0875	-.0604	-.0469	-.0292	-.0226	-.1363	-.1216	90.00
112.50		.1584	.0636	-.0132	-.0636	-.0904	-.0585	-.0421	-.0268	-.0190	-.1316	-.1027	112.50
135.00	.1901	.1461	.0492	-.0233	-.0616	-.0844	-.0507	-.0335	-.0178	-.0117	-.1162	-.0862	135.00
157.50	.1692	.1365	.0447	-.0241	-.0608	-.0785	-.0469	-.0233	-.0078	-.0013	-.0807	-.0807	157.50
180.00	.1847	.1308	.0455	-.0265	-.0604	-.0778	-.0448		-.0061	.0013	-.1000	-.0944	180.00
202.50	.1693	.1354	.0491	-.0251	-.0605	-.0803	-.0460	-.0235	-.0083	.0002	-.1044	-.0788	202.50
225.00	.1982	.1434	.0544	-.0246	-.0639	-.0841	-.0503	-.0328	-.0189	-.0059	-.1141	-.1156	225.00
247.50	.2129	.1586	.0625	-.0211	-.0650	-.0870	-.0601	-.0434	-.0270	-.0136	-.1304	-.1071	247.50
270.00	.2377	.1764	.0793	-.0094	-.0781	-.0854	-.0618	-.0454	-.0318	-.0170	-.1372	-.1134	270.00
292.50	.2655	.2055	.1000	.0074	-.0669	-.0751	-.0547	-.0422	-.0306	-.0189	-.1340	-.1138	292.50
315.00	.2959	.2310	.1229	.0249	-.0517	-.0626	-.0453	-.0340	-.0225	-.0134	-.1251	-.1099	315.00
337.50	.3080	.2544	.1384	.0404	-.0373	-.0504	-.0355	-.0241	-.0145	-.0063	-.1192	-.1043	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2426	.1936	.0861	.0008	-.0552	-.0593	-.0425	-.0258	-.0129	-.0081	-.1136	-.0794	0.00
22.50	.2490	.1872	.0803	.0020	-.0622	-.0665	-.0409	-.0253	-.0125	-.0074	-.1163	-.0841	22.50
45.00	.2516	.1847	.0866	.0016	-.0609	-.0685	-.0409	-.0258	-.0121	-.0087	-.1165	-.0856	45.00
67.50	.2522	.1807	.0861	.0023	-.0614	-.0711	-.0411	-.0267	-.0125	-.0117	-.1152	-.0857	67.50
90.00	.2507	.1785	.0882	.0035	-.0624	-.0730	-.0416	-.0278	-.0130	-.0125	-.1145	-.0849	90.00
112.50		.1663	.0935	.0093	-.0654	-.0736	-.0425	-.0287	-.0124	-.0131	-.1145	-.0815	112.50
135.00	.2348	.1863	.0895	.0060	-.0605	-.0702	-.0408	-.0253	-.0110	-.0118	-.1064	-.0732	135.00
157.50	.2484	.1878	.0876	.0076	-.0611	-.0683	-.0446	-.0244	-.0093	-.0100	-.0713	-.0713	157.50
180.00	.2447	.1842	.0907	.0064	-.0607	-.0688	-.0456		-.0097	-.0106	-.1039	-.0723	180.00
202.50	.2472	.1876	.0917	.0063	-.0625	-.0725	-.0436	-.0231	-.0103	-.0093	-.1031	-.0685	202.50
225.00	.2478	.1875	.0921	.0068	-.0644	-.0718	-.0405	-.0233	-.0117	-.0078	-.1039	-.0677	225.00
247.50	.2449	.1803	.0874	.0016	-.0671	-.0716	-.0433	-.0221	-.0136	-.0080	-.1098	-.0721	247.50
270.00	.2400	.1863	.0888	.0016	-.0659	-.0692	-.0423	-.0274	-.0140	-.0077	-.1111	-.0732	270.00
292.50	.2462	.1863	.0873	.0001	-.0644	-.0665	-.0421	-.0270	-.0145	-.0077	-.1136	-.0739	292.50
315.00	.2499	.1875	.0871	.0003	-.0620	-.0647	-.0433	-.0257	-.0133	-.0064	-.1150	-.0740	315.00
337.50	.2439	.1916	.0849	.0010	-.0601	-.0638	-.0426	-.0243	-.0127	-.0069	-.1140	-.0754	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1866	.1260	.0359	-.0279	-.0710	-.0675	-.0426	-.0215	-.0066	-.0008	-.1083	-.0869	0.00
22.50	.1895	.1326	.0436	-.0274	-.0786	-.0760	-.0442	-.0256	-.0090	-.0005	-.1142	-.0887	22.50
45.00	.2006	.1394	.0495	-.0245	-.0794	-.0813	-.0484	-.0328	-.0173	-.0053	-.1195	-.0913	45.00
67.50	.2187	.1586	.0595	-.0179	-.0780	-.0844	-.0527	-.0385	-.0211	-.0141	-.1250	-.0961	67.50
90.00	.2408	.1665	.0773	-.0060	-.0726	-.0839	-.0551	-.0421	-.0235	-.0187	-.1280	-.1145	90.00
112.50		.2011	.1038	.0164	-.0646	-.0774	-.0510	-.0407	-.0243	-.0211	-.1288	-.1073	112.50
135.00	.2750	.2264	.1184	.0279	-.0472	-.0621	-.0401	-.0314	-.0167	-.0155	-.1177	-.1009	135.00
157.50	.3116	.2456	.1344	.0437	-.0370	-.0493	-.0365	-.0251	-.0083	-.0069	-.0995	-.0995	157.50
180.00	.3144	.2489	.1428	.0482	-.0339	-.0481	-.0365		-.0072	-.0048	-.1124	-.1145	180.00
202.50	.3113	.2476	.1376	.0440	-.0371	-.0539	-.0368	-.0214	-.0141	-.0048	-.1153	-.0999	202.50
225.00	.2929	.2299	.1227	.0301	-.0481	-.0614	-.0421	-.0285	-.0201	-.0105	-.1210	-.1113	225.00
247.50	.2638	.2054	.0969	.0680	-.0620	-.0711	-.0531	-.0400	-.0255	-.0172	-.1279	-.1118	247.50
270.00	.2388	.1800	.0765	-.0082	-.0706	-.0744	-.0557	-.0408	-.0280	-.0186	-.1302	-.1077	270.00
292.50	.2147	.1598	.0593	-.0203	-.0765	-.0754	-.0533	-.0366	-.0256	-.0155	-.1261	-.0970	292.50
315.00	.2015	.1449	.0488	-.0256	-.0766	-.0739	-.0496	-.0320	-.0210	-.0069	-.1161	-.0908	315.00
337.50	.1875	.1366	.0417	-.0274	-.0747	-.0717	-.0454	-.0254	-.0086	-.0007	-.1110	-.0881	337.50

TABLE V.- Continued

(a) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1286	.0781	.0081	-.0485	-.0799	-.0746	-.0246	-.0086	.0022	.0037	-.1192	-.0801	0.00
22.50	.1350	.0846	.0082	-.0525	-.0957	-.0857	-.0375	-.0165	-.0082	-.0091	-.1121	-.0917	22.50
45.00	.1449	.0900	.0077	-.0588	-.1055	-.1020	-.0633	-.0338	-.0184	-.0186	-.1185	-.0926	45.00
67.50	.1715	.1145	.0181	-.0550	-.1130	-.1164	-.0934	-.0650	-.0398	-.0416	-.1452	-.1088	67.50
90.00	.2133	.1366	.0508	-.0345	-.1058	-.1153	-.1064	-.0878	-.0615	-.0587	-.1621	-.1522	90.00
112.50		.2060	.1052	.0128	-.0790	-.0962	-.0830	-.0809	-.0599	-.0541	-.1581	-.1451	112.50
135.00	.3106	.2626	.1463	.0499	-.0351	-.0560	-.0441	-.0430	-.0350	-.0319	-.1353	-.1212	135.00
157.50	.3845	.3103	.1859	.0907	-.0053	-.0229	-.0182	-.0160	-.0073	-.0046		-.1042	157.50
180.00	.3956	.3219	.2049	.1025	.0064	-.0123	-.0072		-.0008	.0062	-.1075	-.1188	180.00
202.50	.3871	.3168	.1931	.0904	-.0028	-.0231	-.0196	-.0106	-.0145	-.0033	-.1160	-.1044	202.50
225.00	.3413	.2713	.1532	.0536	-.0328	-.0505	-.0480	-.0411	-.0406	-.0250	-.1357	-.1360	225.00
247.50	.2759	.2123	.0988	.0040	-.0711	-.0867	-.0851	-.0808	-.0652	-.0506	-.1587	-.1478	247.50
270.00	.2184	.1562	.0530	-.0338	-.0999	-.1084	-.1054	-.0919	-.0663	-.0573	-.1632	-.1468	270.00
292.50	.1704	.1158	.0216	-.0548	-.1120	-.1140	-.0925	-.0673	-.0483	-.0406	-.1500	-.1131	292.50
315.00	.1481	.0933	.0091	-.0578	-.1042	-.0984	-.0644	-.0369	-.0203	-.0189	-.1223	-.0931	315.00
337.50	.1336	.0867	.0060	-.0524	-.0903	-.0810	-.0382	-.0203	-.0062	-.0084	-.1134	-.0922	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0887	.0448	-.0190	-.0623	-.0837	-.0708	-.0167	-.0037	.0069	.0031	-.1212	-.1080	0.00
22.50	.0917	.0458	-.0247	-.0755	-.1079	-.0865	-.0467	-.0359	-.0413	-.0497	-.1722	-.1312	22.50
45.00	.0900	.0387	-.0393	-.1011	-.1361	-.1239	-.0800	-.0463	-.0391	-.0348	-.1208	-.0981	45.00
67.50	.1149	.0580	-.0346	-.1114	-.1723	-.1774	-.1603	-.1164	-.0798	-.0628	-.1514	-.1071	67.50
90.00	.1764	.0931	.0099	-.0791	-.1579	-.1728	-.1842	-.1832	-.1512	-.1281	-.2126	-.1988	90.00
112.50		.2040	.0976	-.0017	-.1025	-.1179	-.1262	-.1353	-.1348	-.1335	-.2149	-.2048	112.50
135.00	.3431	.3000	.1783	.0712	-.0225	-.0450	-.0459	-.0534	-.0605	-.0671	-.1663	-.1564	135.00
157.50	.4634	.3816	.2477	.1397	.0358	.0130	.0111	.0053	.0035	.0052	-.1094	-.1575	157.50
180.00	.4886	.4065	.2796	.1627	.0605	.0355	.0390	.0280	.0323	-.0920	-.1139	-.1800	180.00
202.50	.4683	.3889	.2591	.1427	.0416	.0146	.0114	.0100	.0037	.0092	-.1121	-.1066	202.50
225.00	.3919	.3141	.1900	.0792	-.0151	-.0386	-.0454	-.0511	-.0603	-.0570	-.1651	-.1725	225.00
247.50	.2803	.2129	.0955	-.0071	-.0905	-.1129	-.1242	-.1339	-.1397	-.1318	-.2151	-.2084	247.50
270.00	.1846	.1228	.0165	-.0746	-.1475	-.1667	-.1819	-.1843	-.1595	-.1315	-.2175	-.2017	270.00
292.50	.1123	.0626	-.0318	-.1100	-.1722	-.1812	-.1635	-.1241	-.0870	-.0695	-.1619	-.1156	292.50
315.00	.0924	.0440	-.0378	-.1018	-.1374	-.1299	-.0837	-.0519	-.0374	-.0366	-.1235	-.0995	315.00
337.50	.0902	.0488	-.0272	-.0767	-.0998	-.0894	-.0449	-.0382	-.0355	-.0489	-.1674	-.1309	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0516	.0167	-.0323	-.0713	-.0885	-.0767	-.0175	-.0011	.0059	-.0115	-.1350	-.1480	0.00
22.50	.0458	.0018	-.0658	-.0886	-.1196	-.1027	-.0772	-.0848	-.1083	-.1302	-.2366	-.2296	22.50
45.00	.0305	-.0141	-.0930	-.1435	-.1668	-.1525	-.1057	-.0930	-.0841	-.1029	-.2013	-.1565	45.00
67.50	.0442	-.0117	-.1061	-.1857	-.2493	-.2598	-.2750	-.2200	-.1264	-.0912	-.1652	-.1282	67.50
90.00	.1262	.0427	-.0428	-.1368	-.2161	-.2415	-.2678	-.2903	-.2887	-.2242	-.2760	-.2372	90.00
112.50		.2007	.0884	-.0177	-.1191	-.1451	-.1594	-.1766	-.1898	-.2035	-.2838	-.2635	112.50
135.00	.3843	.3411	.2118	.0978	-.0046	-.0222	-.0349	-.0447	-.0585	-.0730	-.1714	-.1715	135.00
157.50	.5570	.4649	.3174	.2004	.0829	.0651	.0529	.0455	.0406	.0373		-.0862	157.50
180.00	.5950	.5042	.3651	.2377	.1224	.0947	.0961	.0792	.0803		-.0546	-.0816	180.00
202.50	.5617	.4761	.3328	.2068	.0939	.0642	.0625	.0477	.0427	.0446	-.0857	-.0811	202.50
225.00	.4480	.3652	.2300	.1091	.0093	-.0210	-.0264	-.0431	-.0541	-.0611	-.1682	-.1856	225.00
247.50	.2846	.2136	.0903	-.0220	-.1100	-.1356	-.1544	-.1732	-.1860	-.2003	-.2781	-.2698	247.50
270.00	.1423	.0784	-.0329	-.1314	-.2109	-.2300	-.2624	-.2876	-.2918	-.2318	-.2870	-.2454	270.00
292.50	.0446	-.0048	-.1014	-.1861	-.2543	-.2587	-.2810	-.2389	-.1276	-.0985	-.1728	-.1338	292.50
315.00	.0326	-.0133	-.0926	-.1475	-.1778	-.1616	-.1124	-.0972	-.0868	-.0999	-.1992	-.1576	315.00
337.50	.0456	.0029	-.0737	-.0942	-.1173	-.1064	-.0763	-.0861	-.1019	-.1319	-.2374	-.2318	337.50

TABLE V.- Continued

(a) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0279	-.0016	-.0484	-.0882	-.1050	-.0892	-.0376	-.0146	-.0333	-.0757	-.2080	-.2265	0.00
22.50	-.0146	-.0538	-.0785	-.1212	-.1461	-.1316	-.1070	-.1604	-.2216	-.2271	-.2866	-.2438	22.50
45.00	-.0235	-.0653	-.1549	-.1994	-.2519	-.2951	-.2904	-.2520	-.2182	-.1801	-.2242	-.1865	45.00
67.50	-.0372	-.0893	-.1918	-.2777	-.3261	-.3270	-.2784	-.1836	-.1671	-.1514	-.2192	-.1671	67.50
90.00	-.0674	-.0099	-.1065	-.1919	-.2667	-.2917	-.3117	-.3140	-.2581	-.2006	-.2466	-.2588	90.00
112.50		.1997	.0832	-.0254	-.1296	-.1555	-.1684	-.1887	-.2023	-.2136	-.2912	-.2679	112.50
135.00	.4227	.3892	.2513	.1324	.0289	.0070	-.0075	-.0218	-.0351	-.0502	-.1515	-.1526	135.00
157.50	.6463	.5567	.3988	.2726	.1500	.1277	.1131	.1004	.0952	.0879		-.0425	157.50
180.00	.7008	.6129	.4617	.3220	.1984	.1711	.1705		.1464	.1427	-.0033	-.0293	180.00
202.50	.6569	.5733	.4174	.2778	.1575	.1259	.1243	.1036	.0998	.0948	-.0418	-.0346	202.50
225.00	.5036	.4211	.2799	.1489	.0383	.0123	.0008	-.0194	-.0281	-.0404	-.1465	-.1644	225.00
247.50	.2867	.2159	.0910	-.0265	-.1195	-.1419	-.1656	-.1869	-.1959	-.2118	-.2843	-.2649	247.50
270.00	.0888	.0252	-.0854	-.1803	-.2566	-.2751	-.3078	-.3072	-.2533	-.1794	-.2496	-.2500	270.00
292.50	-.0372	-.0859	-.1828	-.2694	-.3230	-.3209	-.2807	-.1832	-.1662	-.1359	-.2211	-.1615	292.50
315.00	-.0259	-.0701	-.1488	-.2071	-.2626	-.3046	-.2807	-.2470	-.2259	-.1853	-.2228	-.1829	315.00
337.50	-.0165	-.0466	-.1093	-.1371	-.1495	-.1401	-.1214	-.1935	-.2366	-.2352	-.2914	-.2370	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0102	-.0172	-.0662	-.0991	-.1310	-.1304	-.1026	-.1421	-.1649	-.1598	-.2457	-.2295	0.00
22.50	-.0975	-.1456	-.1630	-.2165	-.3016	-.3140	-.3312	-.3141	-.2446	-.1740	-.2374	-.2189	22.50
45.00	-.0927	-.1418	-.2147	-.2520	-.3239	-.3066	-.3161	-.3372	-.2526	-.1860	-.2530	-.1985	45.00
67.50	-.1317	-.1831	-.2553	-.2925	-.3073	-.3046	-.2536	-.1936	-.1897	-.2049	-.2405	-.2331	67.50
90.00	.0145	-.0589	-.1438	-.2230	-.2952	-.3173	-.2975	-.2428	-.2380	-.2455	-.3118	-.2825	90.00
112.50		.2050	.0704	-.0314	-.1270	-.1540	-.1677	-.1866	-.1980	-.2091	-.2869	-.2886	112.50
135.00	.4680	.4414	.2971	.1780	.0611	.0397	.0288	.0132	-.0019	-.0185	-.1263	.1239	135.00
157.50	.7411	.6523	.4755	.3452	.2172	.1952	.1796	.1643		.1612	.1508	.0143	157.50
180.00	.8070	.7210	.5562	.4075	.2798	.2528	.2480		.2242	.2159	.0604	.0297	180.00
202.50	.7444	.6635	.4952	.3512	.2278	.1979	.1888	.1693	.1649	.1572	.0133	.0239	202.50
225.00	.5505	.4722	.3215	.1927	.0799	.0511	.0347	.0157	.0032	-.0064	-.1199	-.1371	225.00
247.50	.2844	.2193	.0860	-.0246	-.1114	-.1384	-.1631	-.1833	-.1959	-.2055	-.2786	-.2851	247.50
270.00	.0325	-.0251	-.1322	-.2166	-.2853	-.3067	-.2974	-.2639	-.2427	-.2555	-.3155	-.2776	270.00
292.50	-.1383	-.1842	-.2556	-.3309	-.3107	-.2985	-.2641	-.1916	-.2024	-.2141	-.2358	-.2600	292.50
315.00	-.0989	-.1433	-.2310	-.2709	-.3252	-.3063	-.3125	-.3361	-.2498	-.1820	-.2551	-.1932	315.00
337.50	-.0832	-.1392	-.2030	-.2500	-.2986	-.3216	-.3444	-.3221	-.2377	-.1661	-.2314	-.2175	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0197	-.0378	-.1000	-.1466	-.2140	-.2266	-.2143	-.2090	-.2069	-.1861	-.2800	-.2705	0.00
22.50	-.1576	-.2301	-.3036	-.3507	-.3607	-.3431	-.3024	-.2680	-.2378	-.2354	-.2986	-.2641	22.50
45.00	-.1681	-.2174	-.2628	-.2992	-.3066	-.2943	-.2832	-.2633	-.2416	-.2318	-.2873	-.2273	45.00
67.50	-.2108	-.2372	-.2690	-.2932	-.3074	-.3044	-.2804	-.2395	-.2317	-.2131	-.2627	-.2759	67.50
90.00	-.0271	-.0911	-.1660	-.2418	-.3080	-.3246	-.3071	-.2896	-.2706	-.2704	-.3071	-.2709	90.00
112.50		.2085	.0839	-.0165	-.1135	-.1379	-.1511	-.1713	-.1798	-.1930	-.2727	-.2733	112.50
135.00	.5139	.4917	.3531	.2330	.1102	.0930	.0789	.0605	.0457	.0285	-.0863	-.0811	135.00
157.50	.8405	.7494	.5703	.4390	.3030	.2788	.2584	.2474	.2369	.2283		.0851	157.50
180.00	.9286	.8399	.6709	.5171	.3812	.3474	.3416		.3120	.3067	.1362	.0997	180.00
202.50	.8557	.7705	.6006	.4494	.3155	.2783	.2698	.2499	.2391	.2347	.0793	.0931	202.50
225.00	.6253	.5413	.3849	.2489	.1325	.1013	.0858	.0660	.0522	.0431	-.0771	-.0946	225.00
247.50	.3042	.2369	.1089	-.0058	-.0968	-.1236	-.1460	-.1657	-.1785	-.1875	-.2622	-.2677	247.50
270.00	.0024	-.0516	-.1475	-.2294	-.2967	-.3141	-.3144	-.2937	-.2755	-.2674	-.3090	-.2705	270.00
292.50	-.2153	-.2447	-.2742	-.2980	-.3113	-.3047	-.2709	-.2389	-.2314	-.2205	-.2663	-.2724	292.50
315.00	-.1702	-.2102	-.2541	-.3025	-.3114	-.2858	-.2729	-.2650	-.2437	-.2332	-.2911	-.2338	315.00
337.50	-.1568	-.2329	-.3097	-.3401	-.3550	-.3426	-.3025	-.2706	-.2414	-.2345	-.2981	-.2673	337.50

TABLE V.- Continued

(a) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0540	-.0805	-.1518	-.2093	-.2697	-.2828	-.2532	-.2358	-.2293	-.2005	-.2846	-.2893	0.00
22.50	-.2402	-.2915	-.3228	-.3441	-.3535	-.3430	-.3160	-.3031	-.2803	-.2750	-.3254	-.2830	22.50
45.00	-.2294	-.2601	-.2989	-.3210	-.3238	-.3109	-.3023	-.2872	-.2857	-.2663	-.3041	-.2546	45.00
67.50	-.2654	-.2810	-.2957	-.3174	-.3292	-.3174	-.2871	-.2759	-.2580	-.2423	-.2931	-.2920	67.50
90.00	-.0578	-.1203	-.1817	-.2524	-.3127	-.3283	-.3293	-.3043	-.2825	-.2841	-.3131	-.2790	90.00
112.50		.2129	.0993	-.0017	-.0949	-.1173	-.1360	-.1498	-.1568	-.1699	-.2501	-.2499	112.50
135.00	.5701	.5405	.4129	.2888	.1644	.1491	.1268	.1142	.1022	.0813	-.0380	-.0294	135.00
157.50	.9348	.8401	.6703	.5329	.3921	.3713	.3424	.3289	.3244	.3126		.1616	157.50
180.00	1.0434	.9521	.7861	.6263	.4845	.4532	.4397		.4098	.4023	.2208	.1772	180.00
202.50	.9540	.8656	.6994	.5439	.4052	.3690	.3581	.3349	.3241	.3194	.1531	.1710	202.50
225.00	.6835	.5974	.4480	.3123	.1905	.1615	.1416	.1174	.1063	.0979	-.0274	-.0442	225.00
247.50	.3161	.2488	.1250	.0137	-.0731	-.1002	-.1235	-.1446	-.1511	-.1606	-.2412	-.2456	247.50
270.00	-.0220	-.0726	-.1618	-.2373	-.2993	-.3165	-.3339	-.3178	-.2911	-.2813	-.3165	-.2812	270.00
292.50	-.2633	-.2862	-.3057	-.3179	-.3299	-.3182	-.2893	-.2904	-.2713	-.2497	-.2929	-.2912	292.50
315.00	-.2308	-.2545	-.2991	-.3243	-.3234	-.3178	-.2969	-.2892	-.2881	-.2716	-.3151	-.2626	315.00
337.50	-.2477	-.2969	-.3215	-.3433	-.3578	-.3441	-.3153	-.3072	-.2846	-.2844	-.3283	-.2870	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0853	-.1252	-.1961	-.2448	-.2994	-.3131	-.2726	-.2571	-.2355	-.2022	-.2937	-.3084	0.00
22.50	-.2917	-.3211	-.3409	-.3648	-.3713	-.3645	-.3306	-.3298	-.3183	-.3091	-.3517	-.3210	22.50
45.00	-.2689	-.2973	-.3278	-.3479	-.3534	-.3432	-.3202	-.3066	-.3062	-.2852	-.3276	-.2935	45.00
67.50	-.3037	-.3200	-.3321	-.3415	-.3505	-.3439	-.3211	-.3094	-.2967	-.2753	-.3059	-.3061	67.50
90.00	-.0768	-.1322	-.1935	-.2559	-.3149	-.3305	-.3409	-.3376	-.3112	-.3026	-.3258	-.2906	90.00
112.50		.2290	.1150	.0205	-.0770	-.0996	-.1148	-.1281	-.1324	-.1387	-.2306	-.2295	112.50
135.00	.6257	.5956	.4666	.3478	.2201	.2069	.1828	.1716	.1610	.1437	.0152	.0220	135.00
157.50	1.0265	.9353	.7616	.6264	.4812	.4631	.4301	.4160	.4159	.4060		.2410	157.50
180.00	1.1480	1.0584	.8975	.7379	.5891	.5605	.5419		.5169	.5084	.3175	.2557	180.00
202.50	1.0534	.9648	.7965	.6381	.4987	.4632	.4434	.4254	.4173	.4119	.2365	.2549	202.50
225.00	.7449	.6578	.5117	.3716	.2481	.2205	.1949	.1786	.1671	.1584	.0267	.0066	225.00
247.50	.3328	.2654	.1466	.0351	-.0512	-.0761	-.1066	-.1206	-.1255	-.1322	-.2189	-.2199	247.50
270.00	-.0397	-.0900	-.1710	-.2409	-.2981	-.3141	-.3355	-.3426	-.3233	-.3068	-.3253	-.2932	270.00
292.50	-.2954	-.3203	-.3444	-.3460	-.3531	-.3469	-.3257	-.3169	-.3041	-.2832	-.3062	-.2981	292.50
315.00	-.2776	-.2970	-.3270	-.3476	-.3572	-.3458	-.3243	-.3119	-.3072	-.2913	-.3349	-.2962	315.00
337.50	-.3029	-.3267	-.3418	-.3668	-.3743	-.3648	-.3365	-.3343	-.3228	-.3183	-.3544	-.3223	337.50

ALPHA = 40.1 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1223	-.1569	-.2315	-.2858	-.3348	-.3371	-.2798	-.2745	-.2538	-.2704	-.3458	-.3500	0.00
22.50	-.3219	-.3437	-.3609	-.3794	-.3863	-.3804	-.3523	-.3529	-.3396	-.3498	-.3803	-.3603	22.50
45.00	-.3091	-.3305	-.3529	-.3665	-.3689	-.3588	-.3456	-.3273	-.3211	-.3082	-.3572	-.3320	45.00
67.50	-.3389	-.3567	-.3645	-.3626	-.3661	-.3579	-.3378	-.3231	-.3081	-.3066	-.3381	-.3166	67.50
90.00	-.0972	-.1483	-.2017	-.2607	-.3137	-.3258	-.3390	-.3466	-.3357	-.3365	-.3441	-.3111	90.00
112.50		.2341	.1301	.0384	-.0556	-.0714	-.0887	-.1024	-.0968	-.1109	-.2082	-.2029	112.50
135.00	.6777	.6424	.5247	.4076	.2748	.2760	.2424	.2351	.2287	.2044	.0660	.0826	135.00
157.50	1.1157	1.0243	.8570	.7249	.5725	.5645	.5230	.5129	.5153	.5040		.3282	157.50
180.00	1.2563	1.1693	1.0081	.8520	.6951	.6775	.6493		.6282	.6212	.4076	.3345	180.00
202.50	1.1424	1.0571	.8986	.7429	.5946	.5695	.5383	.5231	.5156	.5112	.3164	.3454	202.50
225.00	.7996	.7157	.5743	.4385	.3114	.2889	.2584	.2445	.2342	.2260	.0801	.0581	225.00
247.50	.3457	.2824	.1662	.0627	-.0254	-.0465	-.0795	-.0908	-.0930	-.1044	-.1940	-.1933	247.50
270.00	-.0539	-.1000	-.1772	-.2397	-.2974	-.3100	-.3333	-.3401	-.3422	-.3360	-.3313	-.3021	270.00
292.50	-.3188	-.3433	-.3791	-.3746	-.3761	-.3672	-.3526	-.3366	-.3177	-.3117	-.3353	-.2997	292.50
315.00	-.3209	-.3361	-.3572	-.3707	-.3812	-.3704	-.3562	-.3350	-.3289	-.3044	-.3559	-.3200	315.00
337.50	-.3410	-.3589	-.3692	-.3835	-.3975	-.3874	-.3663	-.3650	-.3512	-.3464	-.3749	-.3497	337.50

TABLE V.- Continued

(a) Continued

ALPHA = 44.1 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1756	-.2123	-.2741	-.3173	-.3523	-.3539	-.2919	-.3127	-.3216	-.3441	-.3811	-.3324	0.00
22.50	-.3441	-.3643	-.3797	-.3929	-.4622	-.3931	-.3706	-.3709	-.3815	-.3813	-.3832	-.2989	22.50
45.00	-.3352	-.3546	-.3672	-.3780	-.3812	-.3702	-.3538	-.3379	-.3530	-.3591	-.3724	-.2966	45.00
67.50	-.3603	-.3782	-.3815	-.3757	-.3786	-.3700	-.3446	-.3331	-.3348	-.3470	-.3553	-.3207	67.50
90.00	-.1133	-.1600	-.2072	-.2611	-.3111	-.3216	-.3298	-.3407	-.3453	-.3477	-.3562	-.3271	90.00
112.50		.2427	.1448	.0589	-.0325	-.0466	-.0587	-.0700	-.0729	-.0805	-.1812	-.1691	112.50
135.00	.7261	.6909	.5738	.4624	.3333	.3350	.3067	.3083	.2848	.2657	.1240	.1459	135.00
157.50	1.1941	1.1081	.9453	.8148	.6685	.6602	.6247	.6217	.6060	.5984	.4259	.4259	157.50
180.00	1.3504	1.2694	1.1176	.9620	.8065	.7908	.7636		.7359	.7301	.5107	.4181	180.00
202.50	1.2248	1.1426	.9861	.8325	.6906	.6681	.6394	.6322	.6080	.6059	.4069	.4402	202.50
225.00	.8495	.7679	.6306	.4959	.3728	.3520	.3242	.3161	.2969	.2922	.1407	.1268	225.00
247.50	.3542	.2952	.1858	.0826	.0010	-.0202	-.0465	-.0583	-.0658	-.0706	-.1649	-.1590	247.50
270.00	-.0679	-.1094	-.1808	-.2407	-.2917	-.3035	-.3229	-.3312	-.3365	-.3288	-.3189	-.2846	270.00
292.50	-.3368	-.3582	-.3943	-.4035	-.4010	-.3922	-.3734	-.3530	-.3288	-.3013	-.3299	-.2762	292.50
315.00	-.3525	-.3665	-.3802	-.3924	-.4025	-.3959	-.3752	-.3547	-.3322	-.3092	-.3527	-.2845	315.00
337.50	-.3658	-.3813	-.3946	-.4057	-.4176	-.4112	-.3929	-.3821	-.3704	-.3391	-.3698	-.3182	337.50

ALPHA = 48.2 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.2343	-.2694	-.3123	-.3329	-.3633	-.3632	-.3291	-.3641	-.2859	-.1227	-.1011	-.0800	0.00
22.50	-.3633	-.3633	-.3984	-.4106	-.4231	-.4120	-.4043	-.3945	-.3085	-.1645	-.1184	-.0810	22.50
45.00	-.3544	-.3734	-.3854	-.3963	-.4625	-.3928	-.3759	-.3654	-.3136	-.1759	-.1181	-.0741	45.00
67.50	-.3766	-.3934	-.4051	-.3996	-.4006	-.3915	-.3689	-.3467	-.3018	-.1608	-.1021	-.0650	67.50
90.00	-.1272	-.1707	-.2121	-.2606	-.3045	-.3123	-.3221	-.3302	-.3093	-.1799	-.0971	-.0716	90.00
112.50		.2494	.1579	.0794	-.0642	-.0154	-.0276	-.0366	-.0354	-.0491	-.1074	-.1210	112.50
135.00	.7693	.7343	.6248	.5203	.3966	.4016	.3783	.3779	.3584	.3261	.2073	.2140	135.00
157.50	1.2653	1.1828	1.0335	.9092	.7698	.7605	.7326	.7249	.7147	.6931	.5215	.5215	157.50
180.00	1.4340	1.3593	1.2161	1.0682	.9227	.9060	.8867		.8583	.8370	.6458	.4968	180.00
202.50	1.2980	1.2193	1.0761	.9301	.7958	.7738	.7475	.7323	.7191	.7039	.5293	.5451	202.50
225.00	.8953	.8165	.6851	.5575	.4407	.4207	.3971	.3830	.3702	.3576	.2263	.1940	225.00
247.50	.3648	.3086	.2077	.1096	.0314	.0143	-.0131	-.0254	-.0291	-.0363	-.1038	-.1111	247.50
270.00	-.0782	-.1184	-.1842	-.2388	-.2847	-.2938	-.3138	-.3209	-.3285	-.3159	-.3060	-.2846	270.00
292.50	-.3521	-.3713	-.4040	-.4259	-.4131	-.4004	-.3744	-.3452	-.2957	-.1460	-.1070	-.0618	292.50
315.00	-.3776	-.3915	-.4032	-.4098	-.4142	-.4040	-.3781	-.3578	-.2920	-.1448	-.1103	-.0743	315.00
337.50	-.3912	-.4031	-.4151	-.4218	-.4296	-.4164	-.4065	-.3868	-.3054	-.1489	-.1131	-.0801	337.50

ALPHA = 52.4 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.2734	-.2724	-.2559	-.2188	-.1880	-.1822	-.1788	-.1580	-.1246	-.0824	-.0620	-.0583	0.00
22.50	-.3822	-.3573	-.2872	-.2244	-.1864	-.1794	-.1777	-.1580	-.1285	-.0905	-.0769	-.0767	22.50
45.00	-.3793	-.3508	-.2818	-.2186	-.1747	-.1731	-.1728	-.1498	-.1184	-.0831	-.0772	-.0778	45.00
67.50	-.3776	-.3472	-.2679	-.2032	-.1654	-.1700	-.1735	-.1457	-.1104	-.0735	-.0701	-.0919	67.50
90.00	-.1446	-.1810	-.2070	-.1903	-.1530	-.1633	-.1761	-.1419	-.1152	-.0748	-.0645	-.1010	90.00
112.50		.2494	.1705	.1003	.0236	.0123	.0045	-.0052	-.0040	-.0262	-.0791	-.0974	112.50
135.00	.7947	.7648	.6742	.5807	.4603	.4667	.4429	.4435	.4254	.3730	.2888	.2842	135.00
157.50	1.3136	1.2421	1.1136	1.0001	.8685	.8573	.8335	.8267	.8164	.7707	.6233	.6233	157.50
180.00	1.4979	1.4367	1.3124	1.1755	1.0410	1.0237	1.0024		.9732	.9243	.7718	.6100	180.00
202.50	1.3536	1.2875	1.1612	1.0253	.8979	.8757	.8521	.8387	.8224	.7798	.6457	.6432	202.50
225.00	.9207	.8523	.7336	.6178	.5067	.4845	.4644	.4512	.4436	.4059	.3099	.2506	225.00
247.50	.3576	.3117	.2226	.1344	.0602	.0420	.0193	.0107	.0068	-.0160	-.0606	-.0882	247.50
270.00	-.0951	-.1362	-.1844	-.1995	-.1631	-.1720	-.1799	-.1410	-.1273	-.0710	-.0639	-.1014	270.00
292.50	-.3541	-.3262	-.2597	-.2032	-.1697	-.1755	-.1758	-.1402	-.1283	-.0800	-.0784	-.0960	292.50
315.00	-.3591	-.3377	-.2762	-.2212	-.1661	-.1850	-.1770	-.1526	-.1293	-.0876	-.0784	-.0762	315.00
337.50	-.3711	-.3492	-.2842	-.2256	-.1853	-.1809	-.1788	-.1569	-.1315	-.0904	-.0704	-.0620	337.50

TABLE V.- Continued

(a) Concluded

ALPHA = 56.7 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0164	.0172	.0060	-.0310	-.0676	-.0608	-.0513	-.0223	.0319	.0620	.0507	.0320	0.00
22.50	-.0057	-.0032	-.0136	-.0505	-.0689	-.0647	-.0555	-.0298	.0320	.0645	.0598	.0453	22.50
45.00	.0014	.0028	-.0070	-.0411	-.0633	-.0644	-.0537	-.0283	.0373	.0652	.0626	.0546	45.00
67.50	-.0029	.0012	-.0095	-.0399	-.0332	-.0418	-.0376	.0112	.0479	.0713	.0651	.0559	67.50
90.00	-.0164	-.0047	-.0088	-.0361	-.0423	-.0512	-.0450	-.0146	.0506	.0766	.0742	.0528	90.00
112.50		.2487	.1802	.1175	.0534	.0434	.0371	.0311	.0389	.0459	.0588	.0062	112.50
135.00	.8117	.7930	.7167	.6333	.5234	.5342	.5118	.5161	.4933	.4248	.3599	.3399	135.00
157.50	1.3560	1.3011	1.1864	1.0849	.9719	.9604	.9333	.9284	.9131	.8533		.7090	157.50
180.00	1.5499	1.5027	1.3960	1.2786	1.1575	1.1396	1.1200		1.0865	1.0229	.8947	.7246	180.00
202.50	1.4006	1.3436	1.2330	1.1117	1.0023	.9810	.9545	.9405	.9225	.8649	.7532	.7303	202.50
225.00	.9388	.8804	.7808	.6725	.5761	.5573	.5374	.5215	.5048	.4553	.3854	.3035	225.00
247.50	.3483	.3139	.2355	.1530	.0920	.0761	.0563	.0456	.0440	.0376	.0298	-.0133	247.50
270.00	-.0358	-.0131	-.0109	-.0357	-.0447	-.0597	-.0611	-.0016	.0444	.0660	.0556	.0266	270.00
292.50	-.0044	-.0008	-.0124	-.0405	-.0504	-.0718	-.0568	-.0057	.0444	.0604	.0505	.0407	292.50
315.00	.0049	.0067	-.0051	-.0367	-.0569	-.0673	-.0576	-.0140	.0339	.0498	.0411	.0358	315.00
337.50	-.0022	.0003	-.0106	-.0453	-.0654	-.0647	-.0561	-.0209	.0239	.0479	.0393	.0277	337.50

TABLE V.- Continued

(b) $M_{\infty} = 2.3$

ALPHA = -4.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.2717	.2232	.1314	.0605	.0008	-.0119	-.0058	-.0049	-.0033	-.0022	-.0708	-.0665	0.00
22.50	.2658	.2120	.1267	.0574	-.0050	-.0155	-.0116	-.0103	-.0080	-.0068	-.0743	-.0698	22.50
45.00	.2511	.1940	.1117	.0450	-.0130	-.0253	-.0200	-.0186	-.0160	-.0149	-.0772	-.0721	45.00
67.50	.2280	.1769	.0914	.0297	-.0251	-.0375	-.0309	-.0276	-.0267	-.0213	-.0820	-.0782	67.50
90.00	.1998	.1470	.0737	.0142	-.0377	-.0485	-.0395	-.0323	-.0293	-.0214	-.0842	-.0756	90.00
112.50	.1710	.1333	.0577	.0009	-.0474	-.0549	-.0421	-.0292	-.0250	-.0204	-.0789	-.0680	112.50
135.00	.1539	.1176	.0464	-.0074	-.0520	-.0556	-.0386	-.0218	-.0184	-.0131	-.0671	-.0551	135.00
157.50	.1505	.1089	.0405	-.0103	-.0507	-.0523	-.0359	-.0210	-.0114	-.0046	-.0624	-.0511	157.50
180.00	.1455	.1046	.0404	-.0113	-.0501	-.0513	-.0342	-.0210	-.0075	-.0009	-.0611	-.0556	180.00
202.50	.1505	.1101	.0428	-.0106	-.0497	-.0528	-.0363	-.0224	-.0121	-.0046	-.0629	-.0549	202.50
225.00	.1608	.1194	.0453	-.0072	-.0489	-.0536	-.0389	-.0268	-.0190	-.0109	-.0690	-.0634	225.00
247.50	.1767	.1344	.0590	.0002	-.0460	-.0519	-.0405	-.0320	-.0259	-.0191	-.0786	-.0718	247.50
270.00	.2009	.1550	.0762	.0123	-.0372	-.0354	-.0369	-.0314	-.0280	-.0215	-.0846	-.0787	270.00
292.50	.2258	.1790	.0949	.0276	-.0260	-.0344	-.0279	-.0255	-.0232	-.0188	-.0845	-.0792	292.50
315.00	.2518	.2000	.1134	.0433	-.0131	-.0241	-.0192	-.0168	-.0147	-.0110	-.0790	-.0737	315.00
337.50		.2180	.1253	.0559	-.0027	-.0150	-.0115	-.0095	-.0065	-.0044	-.0734	-.0693	337.50

ALPHA = 0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.2019	.1588	.0822	.0216	-.0315	-.0377	-.0262	-.0189	-.0146	-.0121	-.0737	-.0653	0.00
22.50	.2005	.1543	.0813	.0208	-.0334	-.0405	-.0289	-.0205	-.0151	-.0126	-.0742	-.0655	22.50
45.00	.2021	.1525	.0806	.0206	-.0317	-.0399	-.0290	-.0205	-.0150	-.0130	-.0723	-.0640	45.00
67.50	.2022	.1556	.0779	.0201	-.0314	-.0398	-.0286	-.0205	-.0157	-.0128	-.0717	-.0646	67.50
90.00	.2012	.1483	.0781	.0204	-.0319	-.0403	-.0288	-.0206	-.0170	-.0125	-.0724	-.0650	90.00
112.50	.1919	.1562	.0764	.0191	-.0338	-.0410	-.0287	-.0201	-.0170	-.0126	-.0729	-.0650	112.50
135.00	.1926	.1557	.0763	.0186	-.0351	-.0410	-.0284	-.0202	-.0162	-.0132	-.0710	-.0656	135.00
157.50	.2055	.1578	.0777	.0196	-.0334	-.0398	-.0290	-.0208	-.0150	-.0140	-.0723	-.0656	157.50
180.00	.2038	.1564	.0812	.0194	-.0332	-.0397	-.0274	-.0208	-.0151	-.0134	-.0735	-.0660	180.00
202.50	.2084	.1623	.0830	.0206	-.0319	-.0399	-.0272	-.0199	-.0155	-.0126	-.0742	-.0657	202.50
225.00	.2093	.1629	.0834	.0205	-.0316	-.0387	-.0269	-.0197	-.0159	-.0124	-.0746	-.0670	225.00
247.50	.2082	.1631	.0822	.0207	-.0317	-.0379	-.0271	-.0197	-.0157	-.0121	-.0757	-.0680	247.50
270.00	.2094	.1624	.0828	.0206	-.0310	-.0375	-.0272	-.0195	-.0154	-.0115	-.0764	-.0678	270.00
292.50	.2069	.1616	.0822	.0201	-.0322	-.0380	-.0271	-.0195	-.0154	-.0115	-.0764	-.0674	292.50
315.00	.2083	.1604	.0827	.0207	-.0322	-.0390	-.0280	-.0197	-.0154	-.0111	-.0754	-.0657	315.00
337.50		.1601	.0804	.0206	-.0332	-.0397	-.0286	-.0200	-.0152	-.0110	-.0745	-.0656	337.50

ALPHA = 4.0 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.1492	.1119	.0466	-.0072	-.0485	-.0485	-.0295	-.0165	-.0047	-.0024	-.0604	-.0531	0.00
22.50	.1508	.1113	.0478	-.0069	-.0503	-.0511	-.0329	-.0194	-.0082	-.0016	-.0628	-.0557	22.50
45.00	.1612	.1179	.0527	-.0036	-.0485	-.0531	-.0365	-.0237	-.0133	-.0078	-.0652	-.0573	45.00
67.50	.1789	.1352	.0617	.0044	-.0450	-.0524	-.0399	-.0303	-.0208	-.0161	-.0740	-.0664	67.50
90.00	.2012	.1463	.0779	.0173	-.0376	-.0477	-.0389	-.0320	-.0274	-.0210	-.0809	-.0728	90.00
112.50	.2147	.1805	.0953	.0316	-.0274	-.0383	-.0309	-.0263	-.0245	-.0200	-.0812	-.0762	112.50
135.00	.2387	.2006	.1132	.0460	-.0164	-.0258	-.0202	-.0173	-.0148	-.0149	-.0753	-.0681	135.00
157.50	.2758	.2208	.1272	.0594	-.0033	-.0144	-.0121	-.0097	-.0058	-.0076	-.0725	-.0681	157.50
180.00	.2808	.2253	.1370	.0643	.0019	-.0105	-.0060	-.0034	-.0014	-.0014	-.0719	-.0677	180.00
202.50	.2808	.2273	.1344	.0625	-.0001	-.0140	-.0089	-.0068	-.0057	-.0037	-.0725	-.0688	202.50
225.00	.2642	.2119	.1219	.0511	-.0098	-.0221	-.0168	-.0140	-.0135	-.0110	-.0783	-.0746	225.00
247.50	.2374	.1897	.1030	.0348	-.0235	-.0348	-.0275	-.0241	-.0222	-.0195	-.0838	-.0797	247.50
270.00	.2101	.1637	.0842	.0175	-.0360	-.0451	-.0369	-.0318	-.0280	-.0213	-.0858	-.0792	270.00
292.50	.1826	.1413	.0670	.0029	-.0461	-.0517	-.0396	-.0322	-.0251	-.0165	-.0804	-.0721	292.50
315.00	.1666	.1249	.0552	-.0052	-.0490	-.0530	-.0378	-.0273	-.0174	-.0090	-.0700	-.0617	315.00
337.50		.1166	.0477	-.0082	-.0492	-.0508	-.0337	-.0210	-.0089	-.0013	-.0635	-.0570	337.50

TABLE V.- Continued

(b) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0944	.0613	.0078	-.0317	-.0611	-.0572	-.0282	-.0144	-.0075	-.0030	-.0690	-.0608	0.00
22.50	.0964	.0612	.0066	-.0338	-.0698	-.0637	-.0399	-.0239	-.0179	-.0165	-.0707	-.0666	22.50
45.00	.1078	.0674	.0085	-.0380	-.0747	-.0779	-.0577	-.0398	-.0271	-.0230	-.0730	-.0638	45.00
67.50	.1362	.0929	.0223	-.0316	-.0770	-.0853	-.0796	-.0730	-.0567	-.0457	-.0964	-.0805	67.50
90.00	.1804	.1218	.0540	-.0084	-.0646	-.0760	-.0767	-.0805	-.0818	-.0802	-.1252	-.1168	90.00
112.50	.2234	.1895	.0968	.0266	-.0372	-.0507	-.0505	-.0543	-.0588	-.0629	-.1172	-.1179	112.50
135.00	.2791	.2398	.1413	.0652	-.0066	-.0176	-.0182	-.0208	-.0243	-.0307	-.0891		135.00
157.50	.3498	.2879	.1766	.0989	.0237	.0099	.0076	.0052	.0045	.0007	-.0681	-.0679	157.50
180.00	.3627	.3020	.1962	.1120	.0359	.0204	.0214	.0168	.0160	.0160	-.0587	-.0600	180.00
202.50	.3557	.2980	.1871	.1027	.0289	.0113	.0119	.0098	.0072	.0063	-.0648	-.0658	202.50
225.00	.3137	.2579	.1548	.0720	.0037	-.0119	-.0117	-.0146	-.0200	-.0220	-.0872	-.0892	225.00
247.50	.2535	.2029	.1082	.0329	-.0309	-.0443	-.0445	-.0509	-.0552	-.0582	-.1151	-.1182	247.50
270.00	.1931	.1452	.0628	-.0049	-.0614	-.0717	-.0739	-.0794	-.0828	-.0800	-.1285	-.1243	270.00
292.50	.1411	.1002	.0281	-.0310	-.0793	-.0853	-.0830	-.0801	-.0667	-.0506	-.1032	-.0905	292.50
315.00	.1132	.0734	.0110	-.0400	-.0779	-.0796	-.0625	-.0441	-.0311	-.0230	-.0748	-.0656	315.00
337.50		.0643	.0062	-.0361	-.0676	-.0659	-.0416	-.0264	-.0192	-.0161	-.0667	-.0667	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0564	.0296	-.0133	-.0405	-.0626	-.0586	-.0306	-.0154	-.0080	-.0051	-.0793	-.0790	0.00
22.50	.0540	.0253	-.0197	-.0498	-.0759	-.0716	-.0505	-.0425	-.0465	-.0559	-.1127	-.1066	22.50
45.00	.0573	.0229	-.0296	-.0698	-.1024	-.1039	-.0817	-.0683	-.0588	-.0708	-.1113	-.1036	45.00
67.50	.0889	.0477	-.0193	-.0706	-.1191	-.1321	-.1398	-.1402	-.1242	-.0942	-.1224	-.1181	67.50
90.00	.1544	.0959	.0305	-.0317	-.0900	-.1064	-.1165	-.1281	-.1365	-.1397	-.1564	-.1375	90.00
112.50	.2328	.1997	.1034	.0292	-.0387	-.0563	-.0617	-.0709	-.0782	-.0867	-.1370	-.1393	112.50
135.00	.3280	.2866	.1809	.0965	.0170	.0026	-.0008	-.0069	-.0145	-.0231	-.0843		135.00
157.50	.4355	.3653	.2429	.1531	.0682	.0497	.0445	.0409	.0371	.0323	-.0452	-.0457	157.50
180.00	.4609	.3912	.2760	.1761	.0884	.0681	.0680	.0585	.0585	.0571	-.0278	-.0299	180.00
202.50	.4454	.3795	.2588	.1596	.0751	.0519	.0512	.0464	.0408	.0386	-.0400	-.0414	202.50
225.00	.3707	.3083	.1964	.1058	.0289	.0090	.0062	-.0005	-.0073	-.0120	-.0791	-.0825	225.00
247.50	.2698	.2163	.1168	.0375	-.0306	-.0475	-.0538	-.0627	-.0713	-.0780	-.1297	-.1342	247.50
270.00	.1697	.1223	.0410	-.0284	-.0858	-.0988	-.1112	-.1224	-.1318	-.1364	-.1613	-.1409	270.00
292.50	.0936	.0573	-.0130	-.0719	-.1200	-.1316	-.1434	-.1487	-.1347	-.0974	-.1256	-.1243	292.50
315.00	.0621	.0268	-.0296	-.0745	-.1067	-.1098	-.0889	-.0775	-.0615	-.0694	-.1136	-.1064	315.00
337.50		.0266	-.0214	-.0528	-.0749	-.0743	-.0524	-.0444	-.0470	-.0570	-.1148	-.1114	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0272	.0065	-.0276	-.0505	-.0708	-.0665	-.0402	-.0185	-.0178	-.0440	-.1193	-.1275	0.00
22.50	.0219	-.0049	-.0496	-.0661	-.0900	-.0868	-.0826	-.1051	-.1311	-.1302	-.1647	-.1518	22.50
45.00	.0114	-.0181	-.0702	-.1120	-.1427	-.1570	-.1499	-.1419	-.1385	-.1336	-.1500	-.1407	45.00
67.50	.0372	-.0009	-.0661	-.1165	-.1639	-.1766	-.1568	-.1431	-.1158	-.1107	-.1389	-.1328	67.50
90.00	.1282	.0707	.0078	-.0536	-.1114	-.1278	-.1395	-.1490	-.1507	-.1274	-.1480	-.1350	90.00
112.50	.2435	.2129	.1129	.0349	-.0353	-.0543	-.0615	-.0705	-.0790	-.0863	-.1368	-.1390	112.50
135.00	.3810	.3406	.2269	.1375	.0472	.0311	.0250	.0190	.0091	-.0005	-.0671		135.00
157.50	.5289	.4550	.3191	.2218	.1215	.1008	.0925	.0880	.0820	.0777	-.0108	-.0118	157.50
180.00	.5648	.4921	.3638	.2538	.1498	.1263	.1255	.1114	.1112	.1112	.0134	.0111	180.00
202.50	.5393	.4704	.3366	.2283	.1282	.1022	.1010	.0947	.0869	.0853	-.0042	-.0055	202.50
225.00	.4339	.3681	.2467	.1495	.0613	.0388	.0342	.0263	.0186	.0128	-.0595	-.0625	225.00
247.50	.2884	.2321	.1294	.0473	-.0253	-.0429	-.0520	-.0625	-.0705	-.0773	-.1283	-.1320	247.50
270.00	.1482	.0995	.0186	-.0483	-.1044	-.1192	-.1328	-.1424	-.1463	-.1257	-.1502	-.1373	270.00
292.50	.0433	.0051	-.0589	-.1158	-.1610	-.1741	-.1587	-.1454	-.1190	-.1044	-.1349	-.1335	292.50
315.00	.0124	-.0190	-.0723	-.1200	-.1503	-.1574	-.1522	-.1421	-.1367	-.1309	-.1535	-.1422	315.00
337.50		-.0054	-.0523	-.0696	-.0906	-.0887	-.0918	-.1203	-.1425	-.1387	-.1693	-.1511	337.50

TABLE V.- Continued

(b) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0059	-.0114	-.0415	-.0619	-.0858	-.0851	-.0651	-.0846	-.1016	-.1067	-.1580	-.1602	0.00
22.50	-.0207	-.0514	-.0968	-.1121	-.1444	-.1612	-.1849	-.1750	-.1625	-.1352	-.1614	-.1534	22.50
45.00	-.0325	-.0588	-.1044	-.1428	-.1682	-.1691	-.1608	-.1514	-.1527	-.1274	-.1538	-.1387	45.00
67.50	-.0183	-.0540	-.1092	-.1502	-.1791	-.1694	-.1554	-.1387	-.1251	-.1239	-.1451	-.1437	67.50
90.00	.1053	.0487	-.0080	-.0671	-.1211	-.1369	-.1475	-.1549	-.1445	-.1325	-.1554	-.1460	90.00
112.50	.2589	.2304	.1295	.0505	-.0230	-.0440	-.0522	-.0596	-.0692	-.0765	-.1286	-.1315	112.50
135.00	.4382	.3979	.2821	.1841	.0856	.0684	.0607	.0548	.0438	.0330	-.0403		135.00
157.50	.6307	.5501	.4065	.2987	.1859	.1634	.1526	.1471	.1389	.1357	.0353	.0321	157.50
180.00	.6814	.6013	.4674	.3431	.2248	.1990	.1954		.1780	.1796	.0664	.0628	180.00
202.50	.6431	.5666	.4279	.3063	.1943	.1654	.1607	.1536	.1432	.1438	.0414	.0406	202.50
225.00	.4988	.4276	.3037	.1967	.1019	.0767	.0707	.0623	.0541	.0479	-.0306	-.0351	225.00
247.50	.3080	.2493	.1467	.0613	-.0115	-.0322	-.0419	-.0525	-.0601	-.0666	-.1188	-.1221	247.50
270.00	.1269	.0824	.0061	-.0588	-.1139	-.1264	-.1388	-.1487	-.1421	-.1282	-.1580	-.1473	270.00
292.50	-.0082	-.0436	-.1003	-.1482	-.1795	-.1685	-.1525	-.1381	-.1313	-.1181	-.1456	-.1441	292.50
315.00	-.0352	-.0619	-.1098	-.1457	-.1671	-.1686	-.1592	-.1448	-.1459	-.1245	-.1558	-.1363	315.00
337.50		-.0470	-.0929	-.1201	-.1538	-.1758	-.1902	-.1817	-.1642	-.1353	-.1595	-.1517	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0124	-.0295	-.0592	-.0877	-.1234	-.1329	-.1329	-.1272	-.1305	-.1227	-.1662	-.1677	0.00
22.50	-.0772	-.1051	-.1394	-.1648	-.1638	-.1808	-.1707	-.1615	-.1528	-.1471	-.1741	-.1674	22.50
45.00	-.0762	-.1017	-.1381	-.1562	-.1733	-.1711	-.1595	-.1532	-.1440	-.1426	-.1729	-.1542	45.00
67.50	-.0595	-.0895	-.1362	-.1660	-.1783	-.1730	-.1612	-.1508	-.1435	-.1367	-.1564	-.1605	67.50
90.00	.0886	.0367	-.0203	-.0737	-.1252	-.1398	-.1497	-.1572	-.1597	-.1537	-.1663	-.1575	90.00
112.50	.2753	.2492	.1452	.0690	-.0073	-.0279	-.0373	-.0440	-.0525	-.0585	-.1129	-.1166	112.50
135.00	.4943	.4579	.3379	.2377	.1286	.1153	.1030	.0981	.0867	.0758	-.0047		135.00
157.50	.7318	.6497	.4964	.3830	.2582	.2357	.2211	.2172	.2086	.2052	.0911	.0899	157.50
180.00	.7978	.7164	.5747	.4410	.3107	.2824	.2759		.2584	.2585	.1291	.1276	180.00
202.50	.7441	.6681	.5215	.3908	.2687	.2371	.2301	.2233	.2127	.2144	.0970	.0992	202.50
225.00	.5631	.4940	.3647	.2525	.1495	.1243	.1146	.1053	.0959	.0925	.0048	.0005	225.00
247.50	.3285	.2715	.1675	.0818	.0054	-.0125	-.0245	-.0354	-.0443	-.0490	-.1031	-.1072	247.50
270.00	.1115	.0695	-.0021	-.0650	-.1155	-.1280	-.1394	-.1480	-.1529	-.1516	-.1708	-.1574	270.00
292.50	-.0462	-.0752	-.1223	-.1651	-.1813	-.1721	-.1611	-.1512	-.1433	-.1350	-.1557	-.1625	292.50
315.00	-.0773	-.1016	-.1352	-.1595	-.1736	-.1713	-.1615	-.1513	-.1445	-.1409	-.1733	-.1521	315.00
337.50		-.0918	-.1431	-.1704	-.1639	-.1816	-.1712	-.1632	-.1541	-.1478	-.1736	-.1673	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0360	-.0550	-.0856	-.1238	-.1574	-.1603	-.1505	-.1370	-.1399	-.1281	-.1681	-.1718	0.00
22.50	-.1174	-.1332	-.1591	-.1713	-.1861	-.1847	-.1755	-.1745	-.1691	-.1642	-.1869	-.1757	22.50
45.00	-.1131	-.1327	-.1564	-.1672	-.1817	-.1814	-.1727	-.1662	-.1598	-.1569	-.1836	-.1629	45.00
67.50	-.0862	-.1099	-.1510	-.1750	-.1881	-.1825	-.1697	-.1631	-.1565	-.1526	-.1707	-.1663	67.50
90.00	.0769	.0266	-.0238	-.0743	-.1237	-.1379	-.1471	-.1545	-.1578	-.1617	-.1832	-.1728	90.00
112.50	.2945	.2694	.1669	.0911	.0124	-.0077	-.0160	-.0233	-.0304	-.0355	-.0944	-.0978	112.50
135.00	.5568	.5186	.3940	.2942	.1706	.1675	.1552	.1508	.1362	.1233	.0382		135.00
157.50	.8437	.7526	.5857	.4797	.3430	.3234	.2945	.2970	.2879	.2847	.1559	.1556	157.50
180.00	.9241	.8314	.6912	.5521	.4102	.3822	.3679		.3512	.3511	.2034	.2028	180.00
202.50	.8564	.7744	.6256	.4885	.3538	.3212	.3129	.3046	.2919	.2940	.1614	.1662	202.50
225.00	.6329	.5599	.4282	.3143	.2045	.1767	.1655	.1546	.1441	.1410	.0465	.0416	225.00
247.50	.3538	.2956	.1896	.1067	.0299	.0094	-.0051	-.0156	-.0220	-.0284	-.0847	-.0882	247.50
270.00	.1030	.0616	-.0066	-.0659	-.1136	-.1243	-.1382	-.1453	-.1494	-.1545	-.1804	-.1707	270.00
292.50	-.0701	-.0963	-.1382	-.1747	-.1892	-.1781	-.1679	-.1620	-.1570	-.1494	-.1712	-.1661	292.50
315.00	-.1130	-.1319	-.1568	-.1721	-.1810	-.1791	-.1724	-.1654	-.1588	-.1535	-.1830	-.1600	315.00
337.50		-.1351	-.1636	-.1783	-.1864	-.1845	-.1767	-.1758	-.1690	-.1621	-.1867	-.1759	337.50

TABLE V.- Continued

(b) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0619	-.0797	-.1125	-.1428	-.1695	-.1672	-.1547	-.1492	-.1519	-.1465	-.1853	-.1881	0.00
22.50	-.1419	-.1554	-.1738	-.1812	-.1952	-.1928	-.1854	-.1840	-.1804	-.1781	-.1998	-.1900	22.50
45.00	-.1409	-.1552	-.1717	-.1785	-.1921	-.1921	-.1846	-.1769	-.1709	-.1682	-.1917	-.1750	45.00
67.50	-.1060	-.1271	-.1614	-.1824	-.2027	-.1954	-.1829	-.1764	-.1679	-.1642	-.1823	-.1735	67.50
90.00	.0671	.0196	-.0268	-.0740	-.1209	-.1348	-.1426	-.1497	-.1518	-.1553	-.1837	-.1836	90.00
112.50	.3114	.2901	.1879	.1136	.0345	.0134	.0078	.0012	-.0041	-.0102	-.0733	-.0763	112.50
135.00	.6071	.5764	.4527	.3510	.2214	.2207	.2106	.2064	.1914	.1776	.0833		135.00
157.50	.9482	.8543	.6841	.5717	.4311	.4100	.3802	.3834	.3766	.3723	.2279	.2287	157.50
180.00	1.0475	.9553	.8072	.6590	.5134	.4807	.4683		.4524	.4492	.2860	.2856	180.00
202.50	.9644	.8798	.7255	.5819	.4443	.4069	.3995	.3901	.3796	.3807	.2323	.2417	202.50
225.00	.7005	.6269	.4934	.3732	.2608	.2320	.2219	.2111	.1995	.1985	.0931	.0935	225.00
247.50	.3755	.3189	.2149	.1297	.0529	.0322	.0185	.0090	.0020	-.0032	-.0616	-.0629	247.50
270.00	.0951	.0558	-.0065	-.0653	-.1107	-.1204	-.1333	-.1387	-.1433	-.1478	-.1752	-.1738	270.00
292.50	-.0880	-.1105	-.1466	-.1808	-.2024	-.1911	-.1814	-.1745	-.1672	-.1605	-.1810	-.1720	292.50
315.00	-.1400	-.1531	-.1697	-.1828	-.1926	-.1914	-.1848	-.1765	-.1707	-.1644	-.1901	-.1897	315.00
337.50		-.1578	-.1769	-.1878	-.1950	-.1940	-.1873	-.1858	-.1813	-.1759	-.1978	-.1852	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0798	-.0979	-.1284	-.1543	-.1751	-.1712	-.1628	-.1647	-.1701	-.1721	-.1994	-.1965	0.00
22.50	-.1599	-.1706	-.1845	-.1909	-.2046	-.2004	-.1936	-.1920	-.1896	-.1835	-.2031	-.1913	22.50
45.00	-.1630	-.1731	-.1851	-.1887	-.2018	-.2006	-.1928	-.1846	-.1786	-.1747	-.1944	-.1808	45.00
67.50	-.1209	-.1389	-.1697	-.1873	-.2126	-.2087	-.1934	-.1849	-.1762	-.1727	-.1864	-.1738	67.50
90.00	.0593	.0176	-.0272	-.0712	-.1164	-.1296	-.1362	-.1424	-.1444	-.1463	-.1755	-.1763	90.00
112.50	.3284	.3122	.2105	.1382	.0590	.0378	.0350	.0298	.0256	.0206	-.0474	-.0484	112.50
135.00	.6639	.6387	.5168	.4133	.2780	.2831	.2727	.2694	.2561	.2400	.1364		135.00
157.50	1.0546	.9606	.7878	.6712	.5292	.5070	.4745	.4783	.4771	.4696	.3101	.3151	157.50
180.00	1.1707	1.0783	.9269	.7741	.6276	.5919	.5798		.5663	.5598	.3818	.3839	180.00
202.50	1.0735	.9894	.8333	.6822	.5440	.5053	.4941	.4860	.4752	.4755	.3155	.3284	202.50
225.00	.7684	.6945	.5601	.4364	.3215	.2936	.2821	.2724	.2610	.2643	.1491	.1517	225.00
247.50	.3985	.3435	.2403	.1568	.0788	.0597	.0450	.0355	.0296	.0292	-.0345	-.0358	247.50
270.00	.0912	.0533	-.0061	-.0607	-.1056	-.1135	-.1269	-.1324	-.1354	-.1376	-.1666	-.1656	270.00
292.50	-.1013	-.1203	-.1535	-.1847	-.2078	-.2007	-.1900	-.1816	-.1738	-.1698	-.1876	-.1781	292.50
315.00	-.1604	-.1696	-.1817	-.1930	-.2011	-.1974	-.1918	-.1843	-.1778	-.1725	-.1957	-.1820	315.00
337.50		-.1713	-.1870	-.1972	-.2035	-.1995	-.1943	-.1931	-.1897	-.1820	-.2023	-.1911	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1011	-.1139	-.1420	-.1623	-.1808	-.1777	-.1739	-.1863	-.1872	-.1878	-.2100	-.2063	0.00
22.50	-.1752	-.1826	-.1955	-.1996	-.2120	-.2079	-.2004	-.1980	-.1924	-.1912	-.2100	-.2002	22.50
45.00	-.1782	-.1867	-.1962	-.1967	-.2090	-.2072	-.1980	-.1889	-.1835	-.1849	-.2032	-.1922	45.00
67.50	-.1315	-.1478	-.1754	-.1897	-.2154	-.2170	-.2023	-.1887	-.1815	-.1833	-.1974	-.1887	67.50
90.00	.0551	.0170	-.0248	-.0668	-.1104	-.1235	-.1291	-.1346	-.1343	-.1350	-.1657	-.1682	90.00
112.50	.3465	.3339	.2359	.1648	.0863	.0666	.0671	.0598	.0576	.0559	-.0184	-.0185	112.50
135.00	.7182	.6986	.5852	.4787	.3453	.3471	.3392	.3353	.3251	.3090	.1946		135.00
157.50	1.1547	1.0636	.8944	.7693	.6262	.6036	.5780	.5806	.5830	.5772	.4009	.4089	157.50
180.00	1.2900	1.2023	1.0465	.8918	.7414	.7027	.6966		.6886	.6822	.4872	.4894	180.00
202.50	1.1772	1.0948	.9346	.7837	.6428	.6010	.5944	.5875	.5824	.5837	.4083	.4246	202.50
225.00	.8356	.7591	.6232	.5008	.3828	.3562	.3468	.3356	.3320	.3344	.2084	.2143	225.00
247.50	.4210	.3660	.2646	.1830	.1047	.0856	.0746	.0649	.0637	.0637	-.0051	-.0047	247.50
270.00	.0884	.0525	-.0045	-.0573	-.1001	-.1086	-.1183	-.1235	-.1241	-.1258	-.1564	-.1544	270.00
292.50	-.1111	-.1299	-.1584	-.1878	-.2098	-.2071	-.1983	-.1894	-.1863	-.1852	-.1967	-.1835	292.50
315.00	-.1729	-.1807	-.1898	-.1989	-.2064	-.2036	-.1976	-.1923	-.1903	-.1849	-.2013	-.1873	315.00
337.50		-.1833	-.1960	-.2037	-.2100	-.2072	-.2024	-.2003	-.1964	-.1887	-.2084	-.1973	337.50

TABLE V.- Continued

(b) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1213	-.1263	-.1568	-.1737	-.1911	-.1883	-.1954	-.2010	-.2010	-.1982	-.2127	-.2019	0.00
22.50	-.1862	-.1901	-.2003	-.2009	-.2109	-.2117	-.2131	-.2073	-.2037	-.1975	-.2094	-.1968	22.50
45.00	-.1894	-.1962	-.2006	-.1975	-.2058	-.2078	-.2118	-.2085	-.1985	-.1933	-.2019	-.1899	45.00
67.50	-.1406	-.1553	-.1794	-.1916	-.2122	-.2167	-.2190	-.2185	-.2010	-.1950	-.1982	-.1880	67.50
90.00	.0500	.0149	-.0227	-.0625	-.1013	-.1151	-.1206	-.1252	-.1237	-.1228	-.1550	-.1561	90.00
112.50	.3622	.3508	.2591	.1901	.1138	.0957	.0991	.0927	.0916	.0907	.0106	.0110	112.50
135.00	.7709	.7533	.6493	.5449	.4113	.4154	.4042	.4049	.3968	.3765	.2538		135.00
157.50	1.2503	1.1643	.9995	.8771	.7298	.7090	.6869	.6880	.6930	.6858	.4956	.5049	157.50
180.00	1.4007	1.3184	1.1663	1.0135	.8587	.8221	.8172		.8140	.8054	.5929	.5965	180.00
202.50	1.2699	1.1923	1.0369	.8873	.7446	.7019	.6974	.6946	.6963	.6928	.5032	.5232	202.50
225.00	.8961	.8227	.6887	.5652	.4473	.4200	.4106	.4083	.4088	.4061	.2700	.2807	225.00
247.50	.4384	.3879	.2900	.2102	.1310	.1117	.1024	.0993	.0969	.0976	.0248	.0251	247.50
270.00	.0841	.0520	-.0025	-.0521	-.0941	-.1010	-.1105	-.1126	-.1119	-.1141	-.1454	-.1423	270.00
292.50	-.1199	-.1360	-.1622	-.1893	-.2679	-.2072	-.1949	-.1840	-.1975	-.2082	-.2032	-.1928	292.50
315.00	-.1847	-.1919	-.2013	-.2093	-.2133	-.2094	-.1948	-.1893	-.2002	-.2017	-.2058	-.1892	315.00
337.50		-.1939	-.2082	-.2138	-.2157	-.2105	-.2007	-.1995	-.2029	-.2001	-.2126	-.1945	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1400	-.1496	-.1697	-.1883	-.2015	-.2020	-.2043	-.2059	-.2059	-.2027	-.2119	-.1850	0.00
22.50	-.2000	-.2056	-.2131	-.2104	-.2118	-.2132	-.2090	-.2097	-.2105	-.2047	-.2066	-.1831	22.50
45.00	-.2099	-.2105	-.2139	-.2086	-.2079	-.2080	-.2026	-.2092	-.2098	-.2026	-.1997	-.1868	45.00
67.50	-.1492	-.1619	-.1840	-.1933	-.2121	-.2159	-.2065	-.2174	-.2180	-.2098	-.1984	-.1861	67.50
90.00	.0459	.0137	-.0215	-.0579	-.0962	-.1088	-.1125	-.1164	-.1167	-.1116	-.1462	-.1481	90.00
112.50	.3736	.3671	.2802	.2174	.1398	.1280	.1271	.1248	.1200	.1229	.0378	.0447	112.50
135.00	.8278	.8040	.7080	.6093	.4739	.4854	.4747	.4775	.4647	.4427	.3116		135.00
157.50	1.3344	1.2536	1.1007	.9842	.8376	.8217	.7962	.7970	.7985	.7903	.5879	.6015	157.50
180.00	1.5028	1.4257	1.2841	1.1370	.9830	.9565	.9478		.9378	.9291	.7035	.7109	180.00
202.50	1.3597	1.2847	1.1389	.9939	.8516	.8126	.8104	.8055	.8019	.7977	.5990	.6266	202.50
225.00	.9498	.8789	.7524	.6306	.5133	.4915	.4856	.4807	.4783	.4769	.3328	.3525	225.00
247.50	.4520	.4019	.3122	.2344	.1573	.1499	.1396	.1333	.1317	.1343	.0558	.0659	247.50
270.00	.0796	.0471	-.0014	-.0495	-.0867	-.0917	-.0997	-.1029	-.1007	-.1017	-.1349	-.1297	270.00
292.50	-.1282	-.1431	-.1660	-.1922	-.2669	-.2103	-.2129	-.2019	-.1960	-.2012	-.1963	-.1887	292.50
315.00	-.1836	-.1960	-.1998	-.2080	-.2166	-.2233	-.2155	-.2019	-.1978	-.1969	-.2007	-.1864	315.00
337.50		-.1953	-.2072	-.2139	-.2215	-.2257	-.2153	-.2093	-.2028	-.2002	-.2067	-.1820	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.2074	-.1886	-.1939	-.2010	-.2115	-.2036	-.2117	-.2100	-.2009	-.1882	-.1822	-.1643	0.00
22.50	-.1830	-.2043	-.2265	-.2165	-.2153	-.2166	-.2129	-.2129	-.1996	-.1917	-.1876	-.1633	22.50
45.00	-.1822	-.1984	-.2310	-.2178	-.2048	-.2055	-.2116	-.2083	-.1981	-.1943	-.1836	-.1616	45.00
67.50	-.1567	-.1679	-.1888	-.1952	-.2124	-.2123	-.2182	-.2161	-.2034	-.2038	-.1754	-.1559	67.50
90.00	.0374	.0082	-.0221	-.0543	-.0916	-.1000	-.1050	-.1061	-.1050	-.1009	-.1379	-.1357	90.00
112.50	.3759	.3753	.2980	.2402	.1640	.1565	.1606	.1566	.1547	.1560	.0642	.0744	112.50
135.00	.8701	.8471	.7616	.6676	.5344	.5556	.5430	.5468	.5337	.5075	.3685		135.00
157.50	1.3977	1.3260	1.1862	1.0771	.9359	.9280	.9099	.9052	.9035	.8954	.6830	.7013	157.50
180.00	1.5767	1.5105	1.3825	1.2462	1.0973	1.0904	1.0729		1.0521	1.0470	.8106	.8222	180.00
202.50	1.4228	1.3556	1.2244	1.0886	.9516	.9360	.9213	.9142	.9091	.9077	.6967	.7259	202.50
225.00	.9833	.9190	.8034	.6884	.5797	.5641	.5542	.5491	.5510	.5459	.3921	.4158	225.00
247.50	.4533	.4102	.3258	.2580	.1863	.1798	.1684	.1643	.1622	.1650	.0810	.0953	247.50
270.00	.0707	.0419	-.0041	-.0447	-.0785	-.0834	-.0925	-.0937	-.0900	-.0925	-.1277	-.1210	270.00
292.50	-.1374	-.1498	-.1707	-.1933	-.2078	-.2076	-.2135	-.2014	-.1880	-.1810	-.1765	-.1657	292.50
315.00	-.2219	-.2164	-.1954	-.2076	-.2297	-.2315	-.2161	-.2019	-.1927	-.1782	-.1814	-.1656	315.00
337.50		-.2155	-.2037	-.2178	-.2320	-.2314	-.2208	-.2089	-.1992	-.1811	-.1828	-.1654	337.50

TABLE V.- Continued

(b) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1803	-.2004	-.1949	-.2030	-.2144	-.2041	-.2078	-.1989	-.1766	-.1651	-.1636	-.1601	0.00
22.50	-.2090	-.2038	-.2262	-.2198	-.2248	-.2204	-.2000	-.1998	-.1775	-.1636	-.1623	-.1587	22.50
45.00	-.2162	-.1963	-.2255	-.2223	-.2148	-.2117	-.1970	-.2001	-.1724	-.1623	-.1611	-.1595	45.00
67.50	-.1642	-.1729	-.1922	-.1967	-.2161	-.2186	-.2032	-.2097	-.1702	-.1634	-.1596	-.1554	67.50
90.00	.0322	.0034	-.0238	-.0534	-.0866	-.0938	-.0951	-.0972	-.0947	-.0919	-.1294	-.1239	90.00
112.50	.3809	.3840	.3120	.2579	.1882	.1837	.1865	.1866	.1812	.1843	.0934	.1084	112.50
135.00	.9106	.8862	.8075	.7219	.5936	.6206	.6082	.6109	.5980	.5673	.4355		135.00
157.50	1.4559	1.3905	1.2661	1.1672	1.0344	1.0374	1.0134	1.0104	1.0080	.9983	.7930	.8051	157.50
180.00	1.6409	1.5815	1.4733	1.3491	1.2100	1.2110	1.1940		1.1774	1.1690	.9389	.9480	180.00
202.50	1.4781	1.4147	1.2992	1.1780	1.0529	1.0504	1.0285	1.0236	1.0117	1.0085	.8043	.8291	202.50
225.00	1.0129	.9508	.8491	.7457	.6493	.6292	.6252	.6206	.6153	.6101	.4633	.4850	225.00
247.50	.4539	.4149	.3439	.2805	.2130	.2104	.2008	.1987	.1915	.1968	.1132	.1292	247.50
270.00	.0633	.0353	-.0012	-.0406	-.0725	-.0728	-.0835	-.0834	-.0815	-.0822	-.1187	-.1092	270.00
292.50	-.1448	-.1554	-.1718	-.1942	-.2088	-.2055	-.2114	-.1809	-.1684	-.1604	-.1586	-.1545	292.50
315.00	-.2015	-.2287	-.2090	-.2102	-.2323	-.2275	-.2100	-.1849	-.1723	-.1613	-.1602	-.1565	315.00
337.50		-.2305	-.2167	-.2206	-.2331	-.2266	-.2138	-.1902	-.1733	-.1619	-.1611	-.1578	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1953	-.1940	-.1985	-.2029	-.2010	-.1926	-.1908	-.1766	-.1740	-.1717	-.1558	-.1666	0.00
22.50	-.2261	-.2167	-.2245	-.2134	-.2165	-.2114	-.1887	-.1747	-.1711	-.1706	-.1603	-.1622	22.50
45.00	-.2327	-.2173	-.2216	-.2138	-.2167	-.2120	-.1869	-.1732	-.1705	-.1682	-.1583	-.1567	45.00
67.50	-.1718	-.1790	-.1954	-.1983	-.2146	-.2165	-.1896	-.1749	-.1718	-.1686	-.1547	-.1536	67.50
90.00	.0237	-.0029	-.0263	-.0518	-.0817	-.0850	-.0888	-.0888	-.0851	-.0835	-.1129	-.1122	90.00
112.50	.3761	.3830	.3188	.2716	.2083	.2072	.2113	.2143	.2123	.2099	.1419	.1426	112.50
135.00	.9289	.9069	.8436	.7662	.6473	.6771	.6647	.6736	.6615	.6171	.5278		135.00
157.50	1.4877	1.4279	1.3264	1.2389	1.1252	1.1337	1.1068	1.1047	1.0979	1.0700	.9196	.9083	157.50
180.00	1.6865	1.6364	1.5525	1.4448	1.3264	1.3151	1.3067		1.2805	1.2498	1.0784	1.0688	180.00
202.50	1.5213	1.4685	1.3767	1.2644	1.1537	1.1514	1.1250	1.1177	1.1057	1.0818	.9334	.9416	202.50
225.00	1.0363	.9832	.8958	.7984	.7060	.6897	.6846	.6791	.6794	.6585	.5572	.5561	225.00
247.50	.4565	.4259	.3607	.3014	.2380	.2352	.2263	.2252	.2207	.2188	.1612	.1615	247.50
270.00	.0586	.0335	-.0014	-.0377	-.0667	-.0696	-.0759	-.0747	-.0716	-.0754	-.1025	-.0989	270.00
292.50	-.1500	-.1591	-.1747	-.1953	-.2069	-.2053	-.1982	-.1665	-.1664	-.1645	-.1537	-.1538	292.50
315.00	-.1940	-.2190	-.2219	-.2138	-.2078	-.2060	-.1946	-.1694	-.1698	-.1660	-.1582	-.1585	315.00
337.50		-.2238	-.2256	-.2234	-.2085	-.2056	-.1957	-.1719	-.1715	-.1685	-.1597	-.1640	337.50

TABLE V.- Continued

(c) $M_{\infty} = 2.96$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.2624	.2233	.1382	.0702	.0162	.0057	.0094	.0107	.0089	.0062	-.0437	-.0438	0.00
22.50	.2555	.2118	.1326	.0661	.0103	-.0007	.0014	.0023	.0034	.0030	-.0463	-.0475	22.50
45.00	.2406	.1935	.1195	.0559	.0038	-.0083	-.0056	-.0047	-.0033	-.0036	-.0504	-.0510	45.00
67.50	.2172	.1737	.1061	.0431	-.0056	-.0169	-.0140	-.0126	-.0112	-.0111	-.0546	-.0547	67.50
90.00	.1903	.1453	.0821	.0301	-.0155	-.0255	-.0212	-.0192	-.0159	-.0143	-.0545	-.0545	90.00
112.50	.1621	.1285	.0653	.0188	-.0233	-.0316	-.0253	-.0209	-.0154	-.0112	-.0518	-.0502	112.50
135.00	.1453	.1135	.0538	.0107	-.0280	-.0338	-.0250	-.0166	-.0105	-.0065	-.0390	-.0390	135.00
157.50	.1408	.1053	.0479	.0064	-.0287	-.0324	-.0228	-.0153	-.0060	.0007	-.0375	-.0373	157.50
180.00	.1371	.1019	.0468	.0057	-.0287	-.0316	-.0219	-.0045	.0041	.0041	-.0329	-.0369	180.00
202.50	.1418	.1066	.0484	.0053	-.0283	-.0334	-.0231	-.0152	-.0074	.0010	-.0376	-.0371	202.50
225.00	.1526	.1158	.0549	.0083	-.0276	-.0342	-.0256	-.0177	-.0116	-.0050	-.0432	-.0435	225.00
247.50	.1696	.1313	.0659	.0159	-.0242	-.0318	-.0258	-.0212	-.0165	-.0100	-.0516	-.0515	247.50
270.00	.1927	.1525	.0827	.0265	-.0167	-.0265	-.0217	-.0192	-.0177	-.0128	-.0558	-.0554	270.00
292.50	.2164	.1768	.1012	.0396	-.0076	-.0172	-.0137	-.0126	-.0115	-.0087	-.0565	-.0565	292.50
315.00	.2419	.1995	.1196	.0529	.0024	-.0087	-.0095	-.0041	-.0033	-.0009	-.0515	-.0512	315.00
337.50	.2184	.1315	.0637	.0106	-.0019	.0009	.0028	.0036	.0049	-.0464	-.0468	337.50	

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1964	.1553	.0859	.0317	-.0112	-.0160	-.0087	-.0048	-.0035	-.0047	-.0402	-.0269	0.00
22.50	.1948	.1509	.0829	.0303	-.0149	-.0219	-.0146	-.0097	-.0059	-.0050	-.0413	-.0267	22.50
45.00	.1961	.1494	.0826	.0307	-.0138	-.0225	-.0150	-.0093	-.0053	-.0048	-.0418	-.0275	45.00
67.50	.1980	.1533	.0824	.0321	-.0127	-.0219	-.0144	-.0083	-.0047	-.0042	-.0424	-.0271	67.50
90.00	.1972	.1481	.0833	.0332	-.0121	-.0225	-.0139	-.0081	-.0038	-.0030	-.0436	-.0280	90.00
112.50	.1905	.1550	.0835	.0327	-.0121	-.0227	-.0130	-.0073	-.0034	-.0020	-.0438	-.0286	112.50
135.00	.1903	.1542	.0840	.0326	-.0124	-.0213	-.0121	-.0070	-.0031	-.0015	-.0397	-.0280	135.00
157.50	.2009	.1559	.0852	.0333	-.0106	-.0196	-.0122	-.0073	-.0029	-.0009	-.0433	-.0280	157.50
180.00	.2000	.1551	.0873	.0335	-.0101	-.0192	-.0117	-.0033	-.0008	-.0008	-.0428	-.0285	180.00
202.50	.2038	.1593	.0881	.0331	-.0097	-.0200	-.0121	-.0069	-.0035	-.0004	-.0435	-.0278	202.50
225.00	.2041	.1596	.0880	.0320	-.0113	-.0202	-.0120	-.0069	-.0037	-.0005	-.0434	-.0268	225.00
247.50	.2039	.1604	.0864	.0312	-.0127	-.0207	-.0125	-.0074	-.0039	-.0010	-.0439	-.0276	247.50
270.00	.2035	.1592	.0859	.0296	-.0133	-.0213	-.0133	-.0079	-.0043	-.0016	-.0436	-.0259	270.00
292.50	.2009	.1581	.0849	.0281	-.0145	-.0219	-.0138	-.0083	-.0049	-.0026	-.0425	-.0265	292.50
315.00	.2009	.1559	.0839	.0273	-.0148	-.0228	-.0146	-.0089	-.0055	-.0032	-.0414	-.0251	315.00
337.50	.1563	.0825	.0274	-.0153	-.0232	-.0148	-.0094	-.0059	-.0038	-.0402	-.0254	337.50	

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1350	.1015	.0465	.0049	-.0258	-.0281	-.0199	-.0128	-.0027	.0030	-.0330	-.0386	0.00
22.50	.1360	.0999	.0434	.0029	-.0305	-.0367	-.0258	-.0182	-.0078	-.0003	-.0372	-.0411	22.50
45.00	.1475	.1078	.0484	.0063	-.0294	-.0409	-.0292	-.0206	-.0132	-.0081	-.0427	-.0449	45.00
67.50	.1676	.1264	.0590	.0139	-.0252	-.0391	-.0293	-.0254	-.0185	-.0158	-.0533	-.0536	67.50
90.00	.1916	.1416	.0768	.0261	-.0178	-.0331	-.0251	-.0225	-.0197	-.0191	-.0586	-.0599	90.00
112.50	.2098	.1758	.0971	.0406	-.0078	-.0234	-.0161	-.0136	-.0128	-.0133	-.0573	-.0592	112.50
135.00	.2358	.1986	.1171	.0545	.0028	-.0114	-.0052	-.0027	-.0028	-.0031	-.0451	-.0451	135.00
157.50	.2707	.2185	.1312	.0661	.0132	-.0019	.0036	.0054	.0063	.0066	-.0419	-.0432	157.50
180.00	.2763	.2239	.1394	.0707	.0174	.0017	.0088	.0094	.0105	.0105	-.0394	-.0422	180.00
202.50	.2750	.2245	.1362	.0672	.0151	-.0017	.0055	.0076	.0068	.0081	-.0422	-.0434	202.50
225.00	.2558	.2071	.1229	.0552	.0057	-.0091	-.0025	-.0006	-.0012	-.0003	-.0487	-.0513	225.00
247.50	.2279	.1827	.1026	.0466	-.0067	-.0202	-.0135	-.0118	-.0115	-.0110	-.0570	-.0604	247.50
270.00	.1986	.1554	.0819	.0247	-.0179	-.0297	-.0234	-.0211	-.0199	-.0179	-.0603	-.0619	270.00
292.50	.1702	.1312	.0635	.0116	-.0265	-.0366	-.0286	-.0251	-.0211	-.0160	-.0575	-.0571	292.50
315.00	.1519	.1129	.0515	.0038	-.0303	-.0388	-.0295	-.0218	-.0156	-.0099	-.0456	-.0455	315.00
337.50	.1036	.0444	.0003	-.0312	-.0377	-.0266	-.0189	-.0088	-.0003	-.0385	-.0398	337.50	

TABLE V.- Continued

(c) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0892	.0622	.0190	-.0139	-.0359	-.0354	-.0204	-.0097	-.0050	-.0023	-.0421	-.0431	0.00
22.50	.0883	.0586	.0120	-.0194	-.0462	-.0488	-.0300	-.0188	-.0128	-.0163	-.0423	-.0470	22.50
45.00	.1010	.0667	.0155	-.0203	-.0515	-.0615	-.0488	-.0367	-.0253	-.0187	-.0513	-.0494	45.00
67.50	.1315	.0932	.0317	-.0108	-.0496	-.0637	-.0620	-.0642	-.0631	-.0608	-.0840	-.0845	67.50
90.00	.1779	.1278	.0650	.0138	-.0332	-.0491	-.0500	-.0546	-.0592	-.0640	-.0947	-.0912	90.00
112.50	.2253	.1922	.1091	.0478	-.0072	-.0237	-.0236	-.0261	-.0306	-.0334	-.0760	-.0816	112.50
135.00	.2821	.2439	.1539	.0826	.0203	.0053	.0061	.0049	.0017	-.0009	-.0462	-.0517	135.00
157.50	.3482	.2902	.1877	.1120	.0446	.0283	.0286	.0280	.0281	.0264	-.0302	-.0317	157.50
180.00	.3622	.3043	.2073	.1231	.0542	.0367	.0402	.0378	.0378	.0370	-.0230	-.0255	180.00
202.50	.3539	.2981	.1980	.1139	.0477	.0285	.0320	.0313	.0295	.0286	-.0295	-.0304	202.50
225.00	.3097	.2567	.1641	.0861	.0253	.0089	.0104	.0091	.0057	.0035	-.0477	-.0508	225.00
247.50	.2489	.2015	.1174	.0500	-.0043	-.0187	-.0190	-.0218	-.0260	-.0298	-.0730	-.0776	247.50
270.00	.1874	.1446	.0726	.0146	-.0314	-.0436	-.0466	-.0513	-.0562	-.0597	-.0941	-.0899	270.00
292.50	.1350	.0993	.0376	-.0115	-.0503	-.0607	-.0618	-.0647	-.0660	-.0667	-.0874	-.0878	292.50
315.00	.1058	.0720	.0186	-.0232	-.0536	-.0607	-.0522	-.0427	-.0304	-.0195	-.0550	-.0524	315.00
337.50	.0613	.0126	-.0235	-.0465	-.0506	-.0333	-.0217	-.0146	-.0094	-.0426	-.0466	-.0466	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0539	.0323	-.0006	-.0238	-.0445	-.0376	-.0262	-.0177	-.0131	-.0071	-.0619	-.0633	0.00
22.50	.0488	.0244	-.0121	-.0347	-.0600	-.0536	-.0426	-.0408	-.0511	-.0654	-.1012	-.0974	22.50
45.00	.0549	.0252	-.0177	-.0494	-.0832	-.0860	-.0811	-.0805	-.0785	-.0760	-.0984	-.0971	45.00
67.50	.0906	.0550	-.0008	-.0405	-.0841	-.0941	-.0959	-.0866	-.0792	-.0718	-.0941	-.0929	67.50
90.00	.1591	.1084	.0494	-.0006	-.0536	-.0651	-.0698	-.0780	-.0818	-.0832	-.1023	-.0927	90.00
112.50	.2400	.2070	.1200	.0558	-.0073	-.0218	-.0234	-.0296	-.0356	-.0374	-.0823	-.0841	112.50
135.00	.3351	.2937	.1959	.1170	.0414	.0278	.0262	.0224	.0175	.0151	-.0381	-.0381	135.00
157.50	.4395	.3715	.2546	.1693	.0866	.0684	.0646	.0629	.0618	.0611	-.0065	-.0080	157.50
180.00	.4636	.3957	.2826	.1887	.1041	.0835	.0830	.0830	.0790	.0787	.0085	.0037	180.00
202.50	.4457	.3819	.2650	.1721	.0911	.0694	.0681	.0668	.0638	.0635	-.0029	-.0057	202.50
225.00	.3708	.3125	.2089	.1227	.0499	.0329	.0309	.0281	.0229	.0204	-.0341	-.0375	225.00
247.50	.2709	.2209	.1313	.0601	-.0018	-.0144	-.0178	-.0238	-.0287	-.0332	-.0738	-.0785	247.50
270.00	.1728	.1309	.0590	.0006	-.0495	-.0583	-.0652	-.0724	-.0780	-.0782	-.0977	-.0893	270.00
292.50	.0965	.0633	.0064	-.0411	-.0837	-.0896	-.0954	-.0854	-.0790	-.0708	-.0899	-.0910	292.50
315.00	.0600	.0298	-.0152	-.0538	-.0867	-.0895	-.0851	-.0839	-.0797	-.0728	-.0929	-.0933	315.00
337.50	.0260	-.0128	-.0397	-.0614	-.0593	-.0458	-.0456	-.0574	-.0692	-.1001	-.0977	-.0977	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0280	.0166	-.0131	-.0314	-.0494	-.0479	-.0355	-.0361	-.0449	-.0565	-.0961	-.1031	0.00
22.50	.0194	-.0017	-.0343	-.0525	-.0793	-.0862	-.1014	-.1028	-.0980	-.0931	-.1054	-.1048	22.50
45.00	.0128	-.0124	-.0493	-.0761	-.0982	-.1027	-.0969	-.0926	-.0897	-.0827	-.1006	-.0975	45.00
67.50	.0506	.0201	-.0326	-.0649	-.0998	-.1099	-.0998	-.0923	-.0859	-.0796	-.0947	-.0990	67.50
90.00	.1429	.0943	.0390	-.0100	-.0564	-.0738	-.0776	-.0847	-.0895	-.0893	-.1016	-.0976	90.00
112.50	.2575	.2264	.1377	.0692	.0066	-.0116	-.0156	-.0222	-.0289	-.0311	-.0720	-.0782	112.50
135.00	.3909	.3500	.2448	.1571	.0772	.0603	.0561	.0507	.0448	.0418	-.0140	-.0150	135.00
157.50	.5362	.4619	.3299	.2346	.1435	.1211	.1136	.1101	.1087	.1071	.0308	.0275	157.50
180.00	.5740	.4999	.3711	.2646	.1703	.1438	.1403	.1366	.1336	.1330	.0497	.0452	180.00
202.50	.5457	.4762	.3431	.2384	.1492	.1216	.1177	.1141	.1102	.1095	.0324	.0307	202.50
225.00	.4374	.3738	.2595	.1645	.0876	.0657	.0610	.0558	.0504	.0475	-.0128	-.0150	225.00
247.50	.2965	.2428	.1507	.0738	.0137	-.0029	-.0089	-.0161	-.0207	-.0260	-.0666	-.0712	247.50
270.00	.1620	.1196	.0510	-.0074	-.0511	-.0639	-.0722	-.0786	-.0825	-.0846	-.1013	-.0931	270.00
292.50	.0601	.0277	-.0241	-.0663	-.0972	-.1061	-.1000	-.0910	-.0845	-.0759	-.0945	-.0960	292.50
315.00	.0167	-.0100	-.0495	-.0817	-.0989	-.1041	-.0976	-.0911	-.0872	-.0787	-.0998	-.0919	315.00
337.50	.0027	-.0381	-.0592	-.0840	-.0966	-.1071	-.1061	-.1010	-.0910	-.1051	-.1012	-.1012	337.50

TABLE V.- Continued

(c) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0069	-.0039	-.0246	-.0446	-.0678	-.0701	-.0754	-.0787	-.0832	-.0832	-.1089	-.1128	0.00
22.50	-.0129	-.0334	-.0665	-.0867	-.1076	-.1121	-.1071	-.1050	-.1005	-.0950	-.1133	-.1121	22.50
45.00	-.0261	-.0444	-.0746	-.0882	-.1061	-.1118	-.1051	-.0999	-.0943	-.0898	-.1098	-.1072	45.00
67.50	.0140	-.0129	-.0571	-.0819	-.1107	-.1180	-.1051	-.1000	-.0936	-.0893	-.1017	-.1035	67.50
90.00	.1295	.0851	.0311	-.0136	-.0598	-.0763	-.0787	-.0860	-.0901	-.0921	-.1097	-.1065	90.00
112.50	.2771	.2492	.1572	.0873	.0220	.0019	-.0022	-.0097	-.0140	-.0150	-.0602	-.0669	112.50
135.00	.4520	.4122	.2986	.2057	.1157	.1006	.0932	.0882	.0814	.0782	.0136		135.00
157.50	.6414	.5625	.4168	.3132	.2069	.1849	.1735	.1705	.1665	.1659	.0762	.0742	157.50
180.00	.6934	.6136	.4737	.3540	.2423	.2166	.2102		.1999	.2004	.1019	.0989	180.00
202.50	.6520	.5774	.4320	.3169	.2123	.1852	.1779	.1735	.1672	.1680	.0778	.0776	202.50
225.00	.5066	.4400	.3157	.2145	.1278	.1066	.0997	.0926	.0867	.0844	.0169	.0132	225.00
247.50	.3201	.2667	.1723	.0933	.0295	.0142	.0055	-.0020	-.0055	-.0101	-.0539	-.0565	247.50
270.00	.1504	.1114	.0449	-.0103	-.0538	-.0629	-.0736	-.0780	-.0824	-.0854	-.1065	-.1005	270.00
292.50	.0267	.0018	-.0445	-.0819	-.1086	-.1123	-.1050	-.0987	-.0934	-.0861	-.1008	-.1010	292.50
315.00	-.0251	-.0462	-.0742	-.0930	-.1070	-.1115	-.1048	-.0989	-.0940	-.0882	-.1089	-.1024	315.00
337.50		-.0334	-.0697	-.0969	-.1070	-.1125	-.1084	-.1062	-.1012	-.0929	-.1131	-.1085	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0082	-.0203	-.0396	-.0647	-.0873	-.0881	-.0977	-.0919	-.0916	-.0858	-.1124	-.1152	0.00
22.50	-.0454	-.0645	-.0852	-.0973	-.1118	-.1139	-.1093	-.1082	-.1064	-.1049	-.1178	-.1135	22.50
45.00	-.0556	-.0700	-.0918	-.0977	-.1111	-.1147	-.1092	-.1069	-.1046	-.1015	-.1141	-.1107	45.00
67.50	-.0092	-.0319	-.0690	-.0890	-.1149	-.1215	-.1106	-.1078	-.1041	-.0995	-.1103	-.1086	67.50
90.00	.1222	.0810	.0284	-.0131	-.0560	-.0739	-.0773	-.0823	-.0866	-.0880	-.1090	-.1129	90.00
112.50	.2987	.2749	.1864	.1081	.0412	.0186	.0154	.0112	.0043	.0026	-.0435	-.0508	112.50
135.00	.5149	.4779	.3582	.2599	.1615	.1406	.1365	.1325	.1265	.1217	.0486		135.00
157.50	.7503	.6866	.5134	.3995	.2791	.2498	.2426	.2388	.2368	.2367	.1313	.1253	157.50
180.00	.8180	.7354	.5886	.4550	.3265	.2933	.2930		.2799	.2831	.1663	.1588	180.00
202.50	.7632	.6857	.5335	.4050	.2860	.2513	.2494	.2431	.2387	.2390	.1336	.1308	202.50
225.00	.5764	.5082	.3761	.2699	.1756	.1489	.1428	.1361	.1314	.1276	.0514	.0484	225.00
247.50	.3461	.2931	.1995	.1156	.0499	.0307	.0229	.0162	.0127	.0090	-.0361	-.0401	247.50
270.00	.1442	.1046	.0454	-.0075	-.0497	-.0605	-.0687	-.0734	-.0759	-.0790	-.1050	-.1042	270.00
292.50	.0049	-.0178	-.0519	-.0890	-.1116	-.1154	-.1098	-.1052	-.1015	-.0961	-.1102	-.1073	292.50
315.00	-.0559	-.0696	-.0886	-.1023	-.1111	-.1143	-.1092	-.1065	-.1044	-.0983	-.1136	-.1075	315.00
337.50		-.0643	-.0872	-.1025	-.1126	-.1160	-.1105	-.1090	-.1073	-.1025	-.1173	-.1111	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0281	-.0365	-.0566	-.0804	-.0975	-.0958	-.1012	-.0994	-.0997	-.0969	-.1185	-.1219	0.00
22.50	-.0713	-.0823	-.0973	-.1031	-.1177	-.1202	-.1153	-.1144	-.1134	-.1118	-.1229	-.1198	22.50
45.00	-.0805	-.0903	-.1038	-.1041	-.1167	-.1220	-.1163	-.1143	-.1113	-.1077	-.1187	-.1155	45.00
67.50	-.0266	-.0463	-.0795	-.0938	-.1178	-.1271	-.1197	-.1164	-.1117	-.1084	-.1153	-.1129	67.50
90.00	.1157	.0754	.0280	-.0128	-.0546	-.0724	-.0764	-.0793	-.0831	-.0820	-.1050	-.1095	90.00
112.50	.3202	.3005	.2058	.1311	.0617	.0407	.0360	.0312	.0268	.0260	-.0253	-.0320	112.50
135.00	.5775	.5423	.4204	.3184	.2129	.1942	.1856	.1848	.1798	.1740	.0920		135.00
157.50	.8620	.7778	.6166	.4937	.3632	.3379	.3212	.3211	.3179	.3198	.1998	.1965	157.50
180.00	.9454	.8615	.7114	.5646	.4244	.3937	.3850		.3741	.3792	.2443	.2411	180.00
202.50	.8746	.7963	.6405	.5006	.3710	.3382	.3286	.3250	.3171	.3232	.2022	.2031	202.50
225.00	.6467	.5785	.4454	.3306	.2293	.2041	.1925	.1885	.1836	.1832	.0957	.0931	225.00
247.50	.3714	.3196	.2243	.1400	.0713	.0549	.0421	.0383	.0343	.0313	-.0162	-.0192	247.50
270.00	.1391	.1044	.0452	-.0071	-.0470	-.0568	-.0686	-.0696	-.0716	-.0758	-.0983	-.0976	270.00
292.50	-.0098	-.0314	-.0641	-.0947	-.1146	-.1187	-.1190	-.1132	-.1079	-.1043	-.1147	-.1098	292.50
315.00	-.0784	-.0891	-.1009	-.1103	-.1171	-.1198	-.1166	-.1138	-.1104	-.1050	-.1179	-.1115	315.00
337.50		-.0829	-.1001	-.1115	-.1185	-.1208	-.1168	-.1154	-.1143	-.1091	-.1219	-.1166	337.50

TABLE V.- Continued

(c) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0413	-.0502	-.0648	-.0854	-.0995	-.0911	-.1058	-.1081	-.1107	-.1105	-.1242	-.1238	0.00
22.50	-.0866	-.0946	-.1054	-.1087	-.1211	-.1203	-.1191	-.1191	-.1181	-.1158	-.1247	-.1213	22.50
45.00	-.0965	-.1026	-.1117	-.1097	-.1213	-.1230	-.1200	-.1173	-.1143	-.1115	-.1208	-.1169	45.00
67.50	-.0396	-.0566	-.0855	-.0974	-.1193	-.1266	-.1245	-.1217	-.1164	-.1141	-.1192	-.1151	67.50
90.00	.1109	.0711	.0269	-.0092	-.0499	-.0652	-.0688	-.0766	-.0757	-.0744	-.0974	-.1038	90.00
112.50	.3400	.3209	.2285	.1552	.0832	.0618	.0571	.0567	.0525	.0545	-.0032	-.0082	112.50
135.00	.6383	.6031	.4850	.3813	.2649	.2467	.2395	.2424	.2377	.2332	.1383	.1350	135.00
157.50	.9714	.8826	.7228	.5958	.4518	.4291	.4078	.4123	.4106	.4164	.2743	.2701	157.50
180.00	1.0731	.9853	.8387	.6837	.5298	.4998	.4871		.4838	.4896	.3306	.3261	180.00
202.50	.9874	.9057	.7521	.6039	.4620	.4277	.4173	.4172	.4126	.4206	.2778	.2800	202.50
225.00	.7173	.6448	.5136	.3958	.2854	.2571	.2488	.2454	.2428	.2439	.1449	.1418	225.00
247.50	.3973	.3429	.2489	.1670	.0952	.0793	.0667	.0629	.0604	.0617	.0056	.0059	247.50
270.00	.1374	.1026	.0486	-.0028	-.0418	-.0472	-.0592	-.0628	-.0630	-.0663	-.0906	-.0878	270.00
292.50	-.0210	-.0387	-.0688	-.0973	-.1163	-.1164	-.1232	-.1176	-.1122	-.1102	-.1173	-.1105	292.50
315.00	-.0934	-.1008	-.1088	-.1163	-.1216	-.1209	-.1207	-.1168	-.1138	-.1095	-.1195	-.1124	315.00
337.50	-.0959	-.1086	-.1175	-.1231	-.1225	-.1208	-.1196	-.1182	-.1130	-.1237	-.1184	-.1184	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0534	-.0610	-.0726	-.0897	-.1035	-.0973	-.1103	-.1155	-.1163	-.1159	-.1264	-.1230	0.00
22.50	-.0973	-.1046	-.1122	-.1124	-.1264	-.1244	-.1216	-.1213	-.1199	-.1176	-.1259	-.1208	22.50
45.00	-.1079	-.1116	-.1189	-.1133	-.1262	-.1262	-.1219	-.1184	-.1161	-.1157	-.1231	-.1175	45.00
67.50	-.0500	-.0651	-.0889	-.0985	-.1212	-.1262	-.1260	-.1231	-.1191	-.1199	-.1227	-.1178	67.50
90.00	.1072	.0713	.0310	-.0037	-.0450	-.0572	-.0623	-.0667	-.0664	-.0645	-.0906	-.0947	90.00
112.50	.3586	.3424	.2520	.1818	.1066	.0871	.0853	.0841	.0828	.0855	.0217	.0178	112.50
135.00	.6972	.6649	.5458	.4452	.3138	.3089	.3027	.3078	.3008	.2951	.1933	.1933	135.00
157.50	1.0788	.9891	.8192	.7038	.5516	.5294	.4999	.5153	.5156	.5226	.3588	.3555	157.50
180.00	1.1982	1.1051	.9635	.8089	.6486	.6169	.6020		.6062	.6126	.4276	.4226	180.00
202.50	1.0969	1.0153	.8655	.7150	.5642	.5264	.5181	.5191	.5164	.5260	.3628	.3674	202.50
225.00	.7841	.7131	.5825	.4655	.3489	.3167	.3103	.3073	.3056	.3110	.2012	.1970	225.00
247.50	.4209	.3686	.2750	.1956	.1220	.1028	.0949	.0909	.0905	.0901	.0319	.0323	247.50
270.00	.1355	.1023	.0510	.0034	-.0360	-.0414	-.0525	-.0538	-.0533	-.0564	-.0827	-.0803	270.00
292.50	-.0298	-.0459	-.0727	-.0982	-.1170	-.1180	-.1237	-.1203	-.1159	-.1142	-.1205	-.1138	292.50
315.00	-.1028	-.1083	-.1146	-.1199	-.1250	-.1254	-.1227	-.1198	-.1172	-.1120	-.1214	-.1150	315.00
337.50	-.1058	-.1108	-.1146	-.1213	-.1263	-.1273	-.1238	-.1222	-.1201	-.1142	-.1245	-.1182	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0613	-.0692	-.0801	-.0943	-.1069	-.1016	-.1161	-.1208	-.1214	-.1199	-.1279	-.1230	0.00
22.50	-.1049	-.1107	-.1172	-.1148	-.1274	-.1276	-.1239	-.1240	-.1229	-.1210	-.1268	-.1216	22.50
45.00	-.1161	-.1184	-.1238	-.1153	-.1265	-.1290	-.1236	-.1220	-.1212	-.1200	-.1240	-.1195	45.00
67.50	-.0579	-.0718	-.0933	-.0989	-.1201	-.1275	-.1262	-.1274	-.1271	-.1265	-.1261	-.1206	67.50
90.00	.1038	.0711	.0333	.0019	-.0369	-.0507	-.0537	-.0579	-.0575	-.0538	-.0808	-.0859	90.00
112.50	.3747	.3620	.2738	.2080	.1345	.1144	.1139	.1147	.1159	.1187	.0498	.0474	112.50
135.00	.7506	.7254	.6123	.5126	.3791	.3760	.3686	.3755	.3689	.3632	.2496	.2496	135.00
157.50	1.1836	1.0951	.9308	.8085	.6543	.6377	.6073	.6231	.6256	.6307	.4459	.4522	157.50
180.00	1.3219	1.2368	1.0873	.9309	.7699	.7375	.7265		.7324	.7364	.5281	.5306	180.00
202.50	1.2040	1.1238	.9682	.8189	.6680	.6303	.6220	.6261	.6248	.6334	.4501	.4633	202.50
225.00	.8484	.7787	.6480	.5313	.4129	.3867	.3772	.3773	.3743	.3826	.2589	.2584	225.00
247.50	.4419	.3913	.2998	.2221	.1513	.1333	.1243	.1218	.1224	.1230	.0599	.0589	247.50
270.00	.1343	.1041	.0550	.0094	-.0268	-.0344	-.0435	-.0441	-.0428	-.0454	-.0728	-.0704	270.00
292.50	-.0368	-.0514	-.0749	-.0994	-.1152	-.1178	-.1227	-.1205	-.1193	-.1202	-.1239	-.1161	292.50
315.00	-.1093	-.1140	-.1204	-.1232	-.1257	-.1271	-.1245	-.1214	-.1204	-.1166	-.1231	-.1148	315.00
337.50	-.1118	-.1200	-.1255	-.1281	-.1298	-.1298	-.1255	-.1236	-.1226	-.1180	-.1255	-.1178	337.50

TABLE V.- Continued

(c) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0962	-.0984	-.0934	-.1037	-.1114	-.1054	-.1218	-.1250	-.1260	-.1251	-.1231	-.1183	0.00
22.50	-.1207	-.1259	-.1226	-.1131	-.1237	-.1303	-.1267	-.1295	-.1283	-.1245	-.1221	-.1168	22.50
45.00	-.1257	-.1295	-.1291	-.1108	-.1183	-.1292	-.1286	-.1305	-.1272	-.1226	-.1204	-.1156	45.00
67.50	-.0646	-.0764	-.0953	-.0988	-.1175	-.1282	-.1252	-.1289	-.1276	-.1262	-.1237	-.1156	67.50
90.00	.1007	.0715	.0361	.0070	-.0267	-.0424	-.0409	-.0481	-.0459	-.0410	-.0687	-.0750	90.00
112.50	.3886	.3800	.2968	.2043	.1620	.1418	.1446	.1450	.1480	.1563	.0801	.0792	112.50
135.00	.7953	.7767	.6738	.5773	.4449	.4441	.4402	.4471	.4417	.4385	.3096		135.00
157.50	1.2747	1.1901	1.0338	.9132	.7583	.7404	.7228	.7319	.7368	.7378	.5391	.5493	157.50
180.00	1.4333	1.3535	1.2092	1.0564	.8935	.8614	.8550		.8594	.8618	.6366	.6414	180.00
202.50	1.2982	1.2222	1.0744	.9250	.7743	.7381	.7327	.7363	.7369	.7425	.5435	.5629	202.50
225.00	.9059	.8367	.7138	.5971	.4770	.4533	.4469	.4482	.4490	.4525	.3178	.3248	225.00
247.50	.4600	.4119	.3248	.2494	.1781	.1612	.1558	.1533	.1536	.1564	.0889	.0899	247.50
270.00	.1335	.1056	.0597	.0149	-.0165	-.0250	-.0341	-.0328	-.0328	-.0339	-.0611	-.0592	270.00
292.50	-.0417	-.0549	-.0756	-.0986	-.1125	-.1162	-.1204	-.1177	-.1184	-.1168	-.1237	-.1178	292.50
315.00	-.1010	-.1009	-.1148	-.1312	-.1352	-.1356	-.1228	-.1198	-.1227	-.1203	-.1211	-.1165	315.00
337.50		-.1042	-.1180	-.1322	-.1333	-.1345	-.1273	-.1249	-.1244	-.1220	-.1224	-.1145	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0794	-.0950	-.0934	-.1027	-.1136	-.1050	-.1243	-.1257	-.1210	-.1126	-.1114	-.1081	0.00
22.50	-.1184	-.1265	-.1206	-.1157	-.1340	-.1321	-.1284	-.1268	-.1226	-.1112	-.1091	-.1047	22.50
45.00	-.1267	-.1315	-.1245	-.1128	-.1350	-.1359	-.1290	-.1243	-.1218	-.1098	-.1070	-.1014	45.00
67.50	-.0699	-.0806	-.0970	-.0980	-.1205	-.1262	-.1232	-.1255	-.1253	-.1179	-.1075	-.1008	67.50
90.00	.0982	.0712	.0392	.0117	-.0243	-.0332	-.0345	-.0340	-.0345	-.0298	-.0590	-.0618	90.00
112.50	.4019	.3955	.3180	.2589	.1875	.1730	.1757	.1810	.1827	.1879	.1096	.1106	112.50
135.00	.8370	.8268	.7327	.6388	.5060	.5159	.5127	.5195	.5143	.5033	.3722		135.00
157.50	1.3600	1.2937	1.1355	1.0163	.8668	.8534	.8363	.8438	.8469	.8501	.6399	.6491	157.50
180.00	1.5336	1.4645	1.3248	1.1778	1.0198	.9858	.9877		.9888	.9871	.7524	.7567	180.00
202.50	1.3838	1.3147	1.1737	1.0268	.8836	.8450	.8472	.8484	.8495	.8509	.6447	.6616	202.50
225.00	.9595	.8946	.7747	.6581	.5427	.5199	.5207	.5206	.5201	.5234	.3823	.3905	225.00
247.50	.4741	.4297	.3463	.2747	.2064	.1905	.1880	.1862	.1891	.1907	.1205	.1233	247.50
270.00	.1313	.1051	.0623	.0201	-.0125	-.0140	-.0216	-.0188	-.0205	-.0214	-.0496	-.0468	270.00
292.50	-.0471	-.0589	-.0782	-.0990	-.1130	-.1128	-.1187	-.1159	-.1145	-.1139	-.1067	-.1022	292.50
315.00	-.1163	-.1136	-.1261	-.1321	-.1255	-.1243	-.1253	-.1233	-.1166	-.1088	-.1075	-.1027	315.00
337.50		-.1128	-.1286	-.1317	-.1287	-.1300	-.1267	-.1264	-.1183	-.1082	-.1095	-.1048	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0967	-.0927	-.0954	-.1031	-.1123	-.1048	-.1245	-.1116	-.1089	-.1031	-.1029	-.1037	0.00
22.50	-.1182	-.1287	-.1219	-.1173	-.1329	-.1324	-.1266	-.1179	-.1070	-.1021	-.1019	-.1030	22.50
45.00	-.1244	-.1336	-.1238	-.1149	-.1349	-.1360	-.1265	-.1124	-.1054	-.1011	-.1005	-.1027	45.00
67.50	-.0747	-.0843	-.0993	-.0995	-.1189	-.1252	-.1214	-.1199	-.1134	-.1088	-.1007	-.1035	67.50
90.00	.0940	.0683	.0464	.0154	-.0176	-.0273	-.0258	-.0241	-.0199	-.0149	-.0460	-.0502	90.00
112.50	.4086	.4065	.3358	.2820	.2148	.2022	.2121	.2134	.2206	.2212	.1377	.1418	112.50
135.00	.8810	.8686	.7887	.6997	.5683	.5837	.5829	.5920	.5863	.5678	.4318		135.00
157.50	1.4296	1.3626	1.2278	1.1203	.9736	.9633	.9477	.9530	.9579	.9565	.7368	.7547	157.50
180.00	1.6173	1.5586	1.4333	1.2975	1.1415	1.1122	1.1206		1.1155	1.1130	.8659	.8790	180.00
202.50	1.4547	1.3940	1.2650	1.1280	.9887	.9515	.9581	.9587	.9569	.9576	.7417	.7730	202.50
225.00	1.0017	.9420	.8296	.7194	.6068	.5885	.5899	.5906	.5899	.5947	.4445	.4611	225.00
247.50	.4826	.4409	.3645	.2982	.2328	.2189	.2178	.2188	.2248	.2254	.1506	.1551	247.50
270.00	.1280	.1025	.0644	.0241	-.0054	-.0097	-.0141	-.0104	-.0065	-.0077	-.0367	-.0319	270.00
292.50	-.0524	-.0628	-.0806	-.1005	-.1131	-.1140	-.1165	-.1120	-.1043	-.1038	-.0987	-.0966	292.50
315.00	-.1215	-.1144	-.1289	-.1306	-.1267	-.1285	-.1250	-.1142	-.1048	-.0984	-.0994	-.0984	315.00
337.50		-.1153	-.1314	-.1308	-.1306	-.1315	-.1272	-.1141	-.1065	-.0990	-.1000	-.0996	337.50

TABLE V.- Continued

(c) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0888	-.0937	-.0967	-.1032	-.1101	-.1026	-.1090	-.1082	-.1076	-.1046	-.1047	-.1059	0.00
22.50	-.1234	-.1266	-.1251	-.1195	-.1293	-.1274	-.1105	-.1073	-.1063	-.1038	-.1041	-.1051	22.50
45.00	-.1302	-.1333	-.1265	-.1215	-.1290	-.1291	-.1107	-.1067	-.1057	-.1029	-.1035	-.1047	45.00
67.50	-.0795	-.0876	-.1021	-.1008	-.1176	-.1251	-.1182	-.1157	-.1157	-.1134	-.1066	-.1069	67.50
90.00	.0907	.0661	.0405	.0183	-.0113	-.0196	-.0171	-.0166	-.0105	-.0047	-.0393	-.0387	90.00
112.50	.4132	.4158	.3492	.3014	.2391	.2295	.2372	.2444	.2486	.2507	.1611	.1723	112.50
135.00	.9188	.9053	.8331	.7526	.6275	.6519	.6512	.6577	.6510	.6307	.4863		135.00
157.50	1.4856	1.4274	1.3067	1.2115	1.0751	1.0700	1.0573	1.0536	1.0600	1.0596	.8319	.8590	157.50
180.00	1.6847	1.6385	1.5269	1.4053	1.2587	1.2520	1.2451		1.2321	1.2326	.9770	.9907	180.00
202.50	1.5132	1.4613	1.3448	1.2228	1.0923	1.0721	1.0653	1.0598	1.0599	1.0607	.8362	.8734	202.50
225.00	1.0336	.9792	.8765	.7736	.6686	.6582	.6571	.6561	.6580	.6584	.5021	.5274	225.00
247.50	.4878	.4516	.3791	.3190	.2573	.2492	.2480	.2507	.2525	.2543	.1744	.1851	247.50
270.00	.1246	.1008	.0649	.0282	.0004	-.0002	-.0051	-.0015	.0049	.0013	-.0299	-.0199	270.00
292.50	-.0570	-.0661	-.0828	-.1013	-.1121	-.1102	-.1136	-.1077	-.1056	-.1074	-.1039	-.0988	292.50
315.00	-.1219	-.1219	-.1301	-.1254	-.1273	-.1261	-.1103	-.1064	-.1053	-.1004	-.1025	-.0995	315.00
337.50		-.1226	-.1312	-.1293	-.1293	-.1277	-.1109	-.1072	-.1058	-.1010	-.1030	-.1009	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0869	-.0951	-.0975	-.1014	-.1019	-.0904	-.1067	-.1069	-.1060	-.1042	-.1022	-.1045	0.00
22.50	-.1224	-.1257	-.1271	-.1131	-.1188	-.1124	-.1075	-.1057	-.1046	-.1036	-.1022	-.1037	22.50
45.00	-.1313	-.1298	-.1306	-.1136	-.1183	-.1132	-.1079	-.1054	-.1039	-.1034	-.1019	-.1030	45.00
67.50	-.0843	-.0908	-.1042	-.1029	-.1174	-.1189	-.1165	-.1153	-.1146	-.1147	-.1055	-.1082	67.50
90.00	.0858	.0634	.0410	.0220	-.0058	-.0085	-.0106	-.0087	-.0052	.0009	-.0331	-.0299	90.00
112.50	.4148	.4222	.3602	.3195	.2610	.2613	.2673	.2731	.2724	.2776	.1900	.2036	112.50
135.00	.9510	.9384	.8739	.8013	.6831	.7193	.7137	.7210	.7088	.6875	.5522		135.00
157.50	1.5326	1.4840	1.3770	1.2911	1.1701	1.1777	1.1620	1.1586	1.1571	1.1560	.9434	.9602	157.50
180.00	1.7438	1.7083	1.6127	1.5020	1.3729	1.3785	1.3643		1.3411	1.3410	1.1054	1.1155	180.00
202.50	1.5636	1.5174	1.4132	1.3037	1.1867	1.1827	1.1688	1.1618	1.1542	1.1550	.9484	.9769	202.50
225.00	1.0599	1.0104	.9178	.8241	.7297	.7253	.7222	.7195	.7192	.7171	.5714	.5948	225.00
247.50	.4869	.4569	.3913	.3379	.2819	.2771	.2761	.2787	.2785	.2809	.2039	.2164	247.50
270.00	.1187	.0973	.0658	.0314	.0069	.0071	.0021	.0065	.0107	.0076	-.0234	-.0127	270.00
292.50	-.0622	-.0702	-.0842	-.1035	-.1115	-.1088	-.1121	-.1065	-.1040	-.1084	-.1017	-.1004	292.50
315.00	-.1254	-.1271	-.1277	-.1235	-.1162	-.1123	-.1080	-.1052	-.1037	-.1006	-.1005	-.1001	315.00
337.50		-.1274	-.1304	-.1253	-.1178	-.1141	-.1081	-.1054	-.1039	-.1007	-.1010	-.1020	337.50

TABLE V.- Continued

(d) $M_{\infty} = 4.63$

ALPHA = -4.0 DEG													
THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.2496	.2057	.1318	.0796	.0297	.0291	.0192	.0204	.0137	.0082	-.0176	-.0176	0.00
22.50	.2397	.1914	.1167	.0688	.0149	.0063	.0060	.0064	.0053	.0051	-.0201	-.0190	22.50
45.00	.2240	.1750	.1050	.0614	.0097	-.0005	-.0006	.0003	.0005	.0004	-.0219	-.0169	45.00
67.50	.1998	.1556	.0880	.0516	.0027	-.0070	-.0065	-.0064	-.0068	-.0063	-.0240	-.0151	67.50
90.00	.1713	.1300	.0710	.0408	-.0034	-.0103	-.0095	-.0094	-.0086	-.0085	-.0184	-.0121	90.00
112.50	.1439	.1107	.0554	.0308	-.0067	-.0125	-.0104	-.0099	-.0096	-.0073	-.0138	-.0099	112.50
135.00	.1250	.0945	.0443	.0236	-.0085	-.0137	-.0104	-.0094	-.0092	-.0066	.0028		135.00
157.50	.1160	.0846	.0382	.0185	-.0090	-.0131	-.0090	-.0086	-.0086	-.0046	-.0123	.0020	157.50
180.00	.1126	.0823	.0395	.0292	.0005	-.0036	-.0092		-.0082	-.0023	-.0126	-.0063	180.00
202.50	.1160	.0843	.0377	.0161	-.0064	-.0119	-.0089	-.0006	-.0090	-.0027	-.0150	-.0075	202.50
225.00	.1272	.0931	.0426	.0168	-.0091	-.0128	-.0103	-.0081	-.0093	-.0039	-.0137	-.0079	225.00
247.50	.1452	.1086	.0518	.0209	-.0071	-.0121	-.0115	-.0102	-.0101	-.0033	-.0165	-.0105	247.50
270.00	.1692	.1297	.0669	.0277	-.0035	-.0108	-.0094	-.0097	-.0103	-.0022	-.0209	-.0099	270.00
292.50	.1961	.1542	.0849	.0368	.0003	-.0066	-.0079	-.0068	-.0077	.0007	-.0245	-.0147	292.50
315.00	.2227	.1762	.1024	.0480	.0079	-.0009	-.0013	-.0004	-.0017	.0066	-.0213	-.0146	315.00
337.50		.1938	.1143	.0564	.0141	.0041	.0043	.0047	.0034	.0105	-.0189	-.0177	337.50

ALPHA = 0 DEG													
THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.1793	.1466	.0933	.0536	.0162	.0199	.0033	.0046	.0004	-.0020	-.0044	-.0023	0.00
22.50	.1699	.1310	.0715	.0390	-.0028	-.0069	-.0051	-.0046	-.0040	-.0027	-.0045	-.0018	22.50
45.00	.1707	.1294	.0695	.0397	-.0030	-.0098	-.0068	-.0055	-.0044	-.0024	-.0037	-.0015	45.00
67.50	.1719	.1314	.0695	.0403	-.0029	-.0102	-.0053	-.0058	-.0049	-.0030	-.0037	-.0012	67.50
90.00	.1715	.1291	.0701	.0406	-.0028	-.0101	-.0060	-.0055	-.0036	-.0021	-.0039	-.0012	90.00
112.50	.1678	.1322	.0700	.0390	-.0029	-.0103	-.0067	-.0052	-.0044	-.0007	-.0040	-.0012	112.50
135.00	.1677	.1319	.0696	.0368	-.0029	-.0101	-.0065	-.0053	-.0044	-.0005	.0105		135.00
157.50	.1731	.1325	.0692	.0337	-.0026	-.0096	-.0055	-.0053	-.0043	.0005	-.0039	.0077	157.50
180.00	.1729	.1324	.0709	.0412	.0037	-.0031	-.0062		-.0046	.0010	-.0023	.0013	180.00
202.50	.1750	.1341	.0700	.0314	-.0003	-.0087	-.0058	.0009	-.0047	.0025	-.0041	.0018	202.50
225.00	.1755	.1343	.0703	.0305	-.0031	-.0088	-.0060	.0043	-.0046	.0025	-.0027	.0020	225.00
247.50	.1754	.1344	.0699	.0304	-.0034	-.0088	-.0065	-.0054	-.0048	.0028	-.0037	-.0008	247.50
270.00	.1749	.1345	.0704	.0295	-.0027	-.0090	-.0054	-.0054	-.0050	.0034	-.0034	.0016	270.00
292.50	.1737	.1341	.0703	.0289	-.0039	-.0084	-.0069	-.0055	-.0050	.0032	-.0039	-.0012	292.50
315.00	.1739	.1331	.0702	.0289	-.0038	-.0090	-.0070	-.0056	-.0053	.0030	-.0030	.0011	315.00
337.50		.1332	.0700	.0282	-.0041	-.0090	-.0063	-.0057	-.0053	.0026	-.0029	-.0009	337.50

ALPHA = 4.0 DEG													
THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	.1238	.1012	.0647	.0377	.0073	.0211	-.0036	-.0040	-.0073	-.0083	-.0200	-.0133	0.00
22.50	.1139	.0828	.0388	.0212	-.0137	-.0107	-.0102	-.0108	-.0109	-.0108	-.0204	-.0135	22.50
45.00	.1238	.0893	.0411	.0241	-.0136	-.0144	-.0124	-.0120	-.0114	-.0114	-.0198	-.0136	45.00
67.50	.1429	.1065	.0507	.0310	-.0105	-.0137	-.0113	-.0129	-.0126	-.0117	-.0209	-.0137	67.50
90.00	.1671	.1245	.0662	.0395	-.0053	-.0107	-.0101	-.0108	-.0101	-.0088	-.0239	-.0142	90.00
112.50	.1897	.1533	.0847	.0487	.0018	-.0056	-.0057	-.0058	-.0066	-.0027	-.0236	-.0155	112.50
135.00	.2149	.1759	.1025	.0585	.0092	-.0001	.0001	.0004	-.0006	.0035	-.0049		135.00
157.50	.2432	.1945	.1152	.0640	.0152	.0051	.0046	.0052	.0048	.0101	-.0170	-.0070	157.50
180.00	.2499	.2006	.1226	.0706	.0208	.0109	.0071		.0068	.0127	-.0144	-.0136	180.00
202.50	.2472	.1988	.1190	.0615	.0177	.0059	.0055	.0105	.0053	.0124	-.0170	-.0142	202.50
225.00	.2291	.1828	.1077	.0522	.0095	.0016	.0016	.0025	.0006	.0078	-.0179	-.0145	225.00
247.50	.2034	.1602	.0897	.0406	.0017	-.0041	-.0043	-.0047	-.0054	.0028	-.0222	-.0145	247.50
270.00	.1748	.1351	.0712	.0281	-.0050	-.0097	-.0082	-.0099	-.0105	-.0026	-.0219	-.0106	270.00
292.50	.1483	.1124	.0548	.0181	-.0116	-.0133	-.0134	-.0122	-.0123	-.0063	-.0194	-.0128	292.50
315.00	.1299	.0949	.0435	.0122	-.0143	-.0153	-.0136	-.0121	-.0124	-.0060	-.0176	-.0108	315.00
337.50		.0849	.0372	.0084	-.0154	-.0153	-.0120	-.0115	-.0120	-.0059	-.0178	-.0125	337.50

TABLE V.- Continued

(d) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0842	.0719	.0485	.0288	.0025	.0147	-.0097	-.0097	-.0096	-.0099	-.0239	-.0225	0.00
22.50	.0690	.0468	.0173	.0100	-.0205	-.0164	-.0164	-.0191	-.0200	-.0206	-.0287	-.0257	22.50
45.00	.0809	.0538	.0183	.0111	-.0224	-.0214	-.0188	-.0204	-.0194	-.0200	-.0277	-.0255	45.00
67.50	.1116	.0793	.0319	.0199	-.0187	-.0216	-.0186	-.0223	-.0218	-.0216	-.0286	-.0258	67.50
90.00	.1576	.1161	.0602	.0359	-.0086	-.0148	-.0154	-.0179	-.0189	-.0195	-.0310	-.0267	90.00
112.50	.2089	.1728	.0998	.0592	.0082	-.0024	-.0033	-.0043	-.0075	-.0047	-.0257	-.0247	112.50
135.00	.2656	.2242	.1404	.0851	.0278	.0152	.0139	.0123	.0093	.0119	-.0008	-.0001	135.00
157.50	.3251	.2677	.1718	.1071	.0453	.0311	.0284	.0266	.0249	.0282	-.0076	-.0001	157.50
180.00	.3414	.2826	.1874	.1175	.0540	.0396	.0355	.0313	.0313	.0349	-.0023	-.0041	180.00
202.50	.3316	.2745	.1780	.1059	.0487	.0325	.0304	.0309	.0264	.0310	-.0070	-.0058	202.50
225.00	.2882	.2357	.1488	.0817	.0303	.0193	.0166	.0154	.0126	.0174	-.0133	-.0128	225.00
247.50	.2300	.1835	.1089	.0523	.0100	.0025	-.0001	-.0023	-.0043	.0012	-.00234	-.0227	247.50
270.00	.1702	.1312	.0687	.0252	-.0064	-.0113	-.0119	-.0159	-.0181	-.0099	-.0296	-.0233	270.00
292.50	.1209	.0881	.0383	.0063	-.0184	-.0195	-.0220	-.0218	-.0216	-.0121	-.0284	-.0254	292.50
315.00	.0896	.0598	.0212	-.0029	-.0220	-.0217	-.0212	-.0207	-.0212	-.0115	-.0270	-.0235	315.00
337.50	.0474	.0149	-.0056	-.0214	-.0206	-.0187	-.0201	-.0212	-.0129	-.0277	-.0261	-.0261	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0600	.0552	.0389	.0230	.0008	.0155	-.0113	-.0140	-.0178	-.0243	-.0310	-.0286	0.00
22.50	.0376	.0238	.0038	.0018	-.0246	-.0204	-.0222	-.0264	-.0264	-.0289	-.0329	-.0291	22.50
45.00	.0445	.0258	.0006	.0006	-.0272	-.0261	-.0240	-.0265	-.0254	-.0278	-.0317	-.0288	45.00
67.50	.0806	.0533	.0156	.0098	-.0242	-.0269	-.0246	-.0282	-.0272	-.0293	-.0322	-.0288	67.50
90.00	.1466	.1070	.0546	.0322	-.0095	-.0169	-.0183	-.0213	-.0221	-.0249	-.0334	-.0302	90.00
112.50	.2271	.1922	.1160	.0711	.0184	.0045	.0028	.0004	-.0030	-.0022	-.0234	-.0240	112.50
135.00	.3190	.2765	.1845	.1196	.0543	.0381	.0357	.0323	.0278	.0281	.0087	.0087	135.00
157.50	.4147	.3505	.2408	.1603	.0881	.0691	.0643	.0608	.0579	.0585	.0113	.0160	157.50
180.00	.4431	.3774	.2678	.1777	.1038	.0832	.0784	.0750	.0709	.0717	.0206	.0168	180.00
202.50	.4244	.3608	.2499	.1603	.0922	.0714	.0676	.0653	.0608	.0616	.0125	.0127	202.50
225.00	.3505	.2938	.1974	.1182	.0586	.0447	.0403	.0377	.0337	.0340	-.0025	-.0025	225.00
247.50	.2553	.2077	.1298	.0665	.0212	.0125	.0077	.0053	.0026	.0046	-.0205	-.0204	247.50
270.00	.1634	.1278	.0674	.0220	-.0074	-.0116	-.0141	-.0177	-.0200	-.0147	-.0313	-.0260	270.00
292.50	.0939	.0649	.0233	-.0062	-.0246	-.0244	-.0275	-.0276	-.0265	-.0188	-.0322	-.0283	292.50
315.00	.0540	.0308	.0028	-.0164	-.0279	-.0264	-.0270	-.0266	-.0268	-.0188	-.0312	-.0264	315.00
337.50	.0219	-.0004	-.0163	-.0266	-.0253	-.0247	-.0276	-.0276	-.0280	-.0198	-.0314	-.0289	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0448	.0434	.0319	.0212	-.0006	.0117	-.0169	-.0234	-.0250	-.0279	-.0342	-.0319	0.00
22.50	.0178	.0085	-.0059	-.0015	-.0293	-.0245	-.0259	-.0296	-.0296	-.0309	-.0352	-.0318	22.50
45.00	.0174	.0048	-.0129	-.0036	-.0308	-.0299	-.0270	-.0300	-.0290	-.0299	-.0340	-.0314	45.00
67.50	.0567	.0352	.0047	.0044	-.0279	-.0307	-.0276	-.0320	-.0314	-.0321	-.0345	-.0315	67.50
90.00	.1406	.1023	.0517	.0320	-.0096	-.0176	-.0185	-.0214	-.0223	-.0232	-.0336	-.0320	90.00
112.50	.2511	.2154	.1339	.0863	.0310	.0141	.0131	.0100	.0061	.0085	-.0181	-.0203	112.50
135.00	.3818	.3362	.2327	.1583	.0869	.0672	.0643	.0603	.0557	.0560	.0249	.0249	135.00
157.50	.5205	.4458	.3176	.2250	.1393	.1165	.1105	.1076	.1049	.1050	.0427	.0436	157.50
180.00	.5631	.4861	.3584	.2533	.1620	.1368	.1328	.1253	.1253	.1252	.0571	.0510	180.00
202.50	.5326	.4595	.3302	.2270	.1439	.1189	.1150	.1124	.1086	.1081	.0442	.0426	202.50
225.00	.4221	.3593	.2499	.1604	.0937	.0756	.0708	.0676	.0637	.0626	.0157	.0151	225.00
247.50	.2861	.2355	.1521	.0853	.0358	.0252	.0198	.0171	.0147	.0155	-.0137	-.0142	247.50
270.00	.1614	.1268	.0687	.0238	-.0059	-.0106	-.0140	-.0166	-.0185	-.0130	-.0306	-.0263	270.00
292.50	.0731	.0506	.0132	-.0114	-.0278	-.0273	-.0303	-.0304	-.0300	-.0211	-.0339	-.0301	292.50
315.00	.0262	.0094	-.0109	-.0221	-.0311	-.0296	-.0303	-.0300	-.0303	-.0204	-.0332	-.0282	315.00
337.50	.0056	-.0104	-.0220	-.0310	-.0295	-.0283	-.0304	-.0305	-.0207	-.0339	-.0311	-.0311	337.50

TABLE V.- Continued

(d) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0721	.0733	.0697	.0652	.0562	.0600	.0484	.0456	.0452	.0445	.0422	.0430	0.00
22.50	.0589	.0563	.0517	.0555	.0443	.0453	.0454	.0439	.0438	.0440	.0419	.0430	22.50
45.00	.0567	.0534	.0485	.0551	.0438	.0434	.0452	.0438	.0443	.0445	.0425	.0434	45.00
67.50	.0748	.0675	.0561	.0583	.0453	.0434	.0447	.0431	.0431	.0434	.0423	.0434	67.50
90.00	.1357	.1015	.0808	.0715	.0548	.0505	.0503	.0493	.0490	.0489	.0438	.0439	90.00
112.50	.2746	.2412	.1558	.1018	.0784	.0700	.0697	.0684	.0666	.0675	.0541	.0524	112.50
135.00	.4462	.4021	.2894	.2004	.1247	.1042	.1017	.1002	.0986	.0972	.0793		135.00
157.50	.6316	.5522	.4092	.2972	.2003	.1746	.1670	.1656	.1650	.1620	.0965	.0951	157.50
180.00	.6886	.6078	.4673	.3388	.2342	.2044	.1995		.1956	.1931	.1100	.1022	180.00
202.50	.6432	.5677	.4259	.3015	.2063	.1773	.1724	.1711	.1688	.1651	.0975	.0957	202.50
225.00	.4924	.4290	.3116	.2067	.1337	.1136	.1078	.1060	.1032	.1004	.0770	.0760	225.00
247.50	.3127	.2636	.1788	.1028	.0813	.0760	.0735	.0725	.0716	.0706	.0569	.0562	247.50
270.00	.1579	.1263	.0894	.0689	.0567	.0545	.0524	.0521	.0514	.0534	.0455	.0472	270.00
292.50	.0828	.0739	.0610	.0515	.0452	.0452	.0437	.0441	.0441	.0483	.0425	.0443	292.50
315.00	.0604	.0557	.0498	.0468	.0435	.0437	.0435	.0441	.0439	.0485	.0429	.0451	315.00
337.50		.0549	.0498	.0464	.0435	.0436	.0442	.0440	.0436	.0484	.0426	.0438	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0254	.0301	.0234	.0165	-.0067	.0062	-.0247	-.0306	-.0322	-.0332	-.0378	-.0343	0.00
22.50	-.0090	-.0123	-.0194	-.0046	-.0339	-.0294	-.0305	-.0337	-.0339	-.0332	-.0379	-.0346	22.50
45.00	-.0144	-.0188	-.0269	-.0060	-.0353	-.0342	-.0315	-.0340	-.0326	-.0315	-.0366	-.0342	45.00
67.50	.0268	.0132	-.0092	.0015	-.0310	-.0335	-.0324	-.0353	-.0353	-.0344	-.0373	-.0349	67.50
90.00	.1321	.0985	.0550	.0375	-.0044	-.0136	-.0150	-.0171	-.0177	-.0162	-.0304	-.0313	90.00
112.50	.2947	.2650	.1809	.1268	.0650	.0455	.0446	.0416	.0385	.0430	.0047	-.0016	112.50
135.00	.5061	.4645	.3509	.2570	.1668	.1467	.1429	.1407	.1392	.1405	.0829		135.00
157.50	.7388	.6568	.5061	.3866	.2706	.2424	.2358	.2365	.2396	.2422	.1457	.1378	157.50
180.00	.8133	.7297	.5805	.4425	.3168	.2825	.2813		.2833	.2863	.1758	.1631	180.00
202.50	.7534	.6746	.5266	.3934	.2781	.2451	.2420	.2417	.2438	.2467	.1486	.1414	202.50
225.00	.5606	.4955	.3764	.2666	.1790	.1572	.1514	.1501	.1497	.1490	.0813	.0766	225.00
247.50	.3388	.2908	.2064	.1312	.0743	.0619	.0548	.0535	.0528	.0514	.0131	.0102	247.50
270.00	.1581	.1290	.0775	.0318	.0007	-.0025	-.0096	-.0089	-.0098	-.0098	-.0054	-.0253	270.00
292.50	.0466	.0295	.0039	-.0156	-.0309	-.0287	-.0337	-.0321	-.0323	-.0224	-.0361	-.0330	292.50
315.00	-.0054	-.0139	-.0236	-.0273	-.0354	-.0333	-.0351	-.0330	-.0334	-.0219	-.0352	-.0303	315.00
337.50		-.0158	-.0236	-.0285	-.0354	-.0338	-.0337	-.0336	-.0342	-.0227	-.0361	-.0330	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0215	.0272	.0222	.0175	-.0056	.0072	-.0266	-.0331	-.0340	-.0346	-.0374	-.0332	0.00
22.50	-.0160	-.0175	-.0222	-.0049	-.0345	-.0292	-.0314	-.0342	-.0351	-.0347	-.0380	-.0336	22.50
45.00	-.0210	-.0237	-.0295	-.0059	-.0361	-.0352	-.0329	-.0341	-.0335	-.0331	-.0372	-.0331	45.00
67.50	.0192	.0076	-.0116	.0020	-.0312	-.0336	-.0331	-.0354	-.0358	-.0352	-.0385	-.0342	67.50
90.00	.1310	.0991	.0584	.0422	.0007	-.0092	-.0108	-.0131	-.0132	-.0111	-.0271	-.0274	90.00
112.50	.3171	.2887	.2068	.1514	.0880	.0672	.0654	.0623	.0618	.0676	.0220	.0159	112.50
135.00	.5692	.5257	.4155	.3165	.2175	.1955	.1914	.1928	.1930	.1953	.1228		135.00
157.50	.8509	.7614	.6062	.4843	.3551	.3212	.3150	.3216	.3290	.3323	.2117	.2008	157.50
180.00	.9426	.8528	.6989	.5585	.4166	.3744	.3755		.3884	.3915	.2531	.2371	180.00
202.50	.8669	.7841	.6291	.4937	.3647	.3247	.3223	.3268	.3334	.3358	.2157	.2065	202.50
225.00	.6323	.5633	.4420	.3291	.2332	.2072	.2017	.2025	.2047	.2040	.1251	.1198	225.00
247.50	.3664	.3176	.2341	.1579	.0993	.0860	.0772	.0772	.0784	.0764	.0319	.0302	247.50
270.00	.1599	.1319	.0835	.0386	.0062	.0034	-.0046	-.0031	-.0030	-.0001	-.0205	-.0169	270.00
292.50	.0399	.0248	.0020	-.0159	-.0310	-.0284	-.0338	-.0316	-.0320	-.0223	-.0363	-.0310	292.50
315.00	-.0115	-.0184	-.0261	-.0283	-.0363	-.0338	-.0360	-.0343	-.0350	-.0224	-.0352	-.0287	315.00
337.50		-.0206	-.0264	-.0299	-.0365	-.0341	-.0351	-.0349	-.0356	-.0233	-.0357	-.0318	337.50

TABLE V.- Continued

(d) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0192	.0249	.0205	.0164	-.0046	.0005	-.0297	-.0343	-.0347	-.0349	-.0324	-.0329	0.00
22.50	-.0203	-.0206	-.0243	-.0098	-.0324	-.0348	-.0325	-.0357	-.0357	-.0345	-.0331	-.0329	22.50
45.00	-.0250	-.0267	-.0311	-.0066	-.0335	-.0390	-.0348	-.0356	-.0350	-.0330	-.0324	-.0327	45.00
67.50	.0142	.0038	-.0129	.0020	-.0281	-.0374	-.0335	-.0353	-.0358	-.0349	-.0340	-.0335	67.50
90.00	.1318	.1023	.0634	.0480	.0079	-.0084	-.0054	-.0086	-.0068	-.0049	-.0195	-.0240	90.00
112.50	.3990	.3143	.2314	.1762	.1110	.0865	.0892	.0884	.0894	.0965	.0451	.0349	112.50
135.00	.6310	.5914	.4779	.3794	.2724	.2483	.2480	.2534	.2547	.2559	.1677		135.00
157.50	.9610	.8723	.7067	.5895	.4507	.4121	.4077	.4209	.4281	.4300	.2864	.2713	157.50
180.00	1.0713	.9826	.8205	.6809	.5282	.4820	.4855		.5015	.5065	.3405	.3209	180.00
202.50	.9785	.8955	.7324	.5976	.4613	.4148	.4154	.4254	.4288	.4344	.2913	.2797	202.50
225.00	.7015	.6322	.5065	.3925	.2916	.2625	.2589	.2624	.2650	.2668	.1732	.1647	225.00
247.50	.3930	.3436	.2607	.1846	.1237	.1091	.1040	.1043	.1065	.1040	.0561	.0522	247.50
270.00	.1629	.1361	.0903	.0432	.0148	.0092	.0022	.0051	.0064	.0089	-.0119	-.0110	270.00
292.50	.0357	.0221	.0004	-.0190	-.0279	-.0287	-.0333	-.0309	-.0308	-.0308	-.0202	-.0294	292.50
315.00	-.0155	-.0219	-.0278	-.0321	-.0342	-.0358	-.0377	-.0345	-.0345	-.0345	-.0214	-.0302	315.00
337.50	-.0241	-.0280	-.0324	-.0342	-.0342	-.0363	-.0367	-.0352	-.0356	-.0225	-.0307	-.0304	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0170	.0231	.0187	.0162	-.0088	.0027	-.0305	-.0346	-.0346	-.0316	-.0351	-.0310	0.00
22.50	-.0231	-.0231	-.0268	-.0093	-.0366	-.0331	-.0333	-.0355	-.0352	-.0314	-.0353	-.0308	22.50
45.00	-.0281	-.0294	-.0331	-.0062	-.0373	-.0370	-.0363	-.0358	-.0343	-.0303	-.0347	-.0307	45.00
67.50	.0107	.0011	-.0145	.0029	-.0319	-.0351	-.0336	-.0351	-.0355	-.0339	-.0361	-.0314	67.50
90.00	.1345	.1065	.0699	.0540	.0118	-.0003	.0004	-.0002	-.0000	.0030	-.0181	-.0187	90.00
112.50	.3626	.3401	.2584	.2009	.1354	.1134	.1157	.1162	.1175	.1233	.0661	.0586	112.50
135.00	.6959	.6579	.5420	.4390	.3303	.3085	.3091	.3166	.3196	.3172	.2149		135.00
157.50	1.0775	.9852	.8141	.6917	.5473	.5131	.5091	.5240	.5299	.5305	.3639	.3520	157.50
180.00	1.2082	1.1153	.9508	.8009	.6438	.6017	.6076		.6175	.6230	.4308	.4149	180.00
202.50	1.0997	1.0129	.8429	.7013	.5593	.5165	.5187	.5302	.5288	.5345	.3700	.3620	202.50
225.00	.7761	.7049	.5724	.4552	.3524	.3236	.3213	.3260	.3285	.3310	.2235	.2160	225.00
247.50	.4217	.3730	.2888	.2115	.1504	.1374	.1307	.1324	.1348	.1347	.0803	.0770	247.50
270.00	.1679	.1428	.0988	.0535	.0204	.0183	.0104	.0138	.0151	.0149	-.0096	-.0040	270.00
292.50	.0331	.0204	.0003	-.0150	-.0315	-.0277	-.0325	-.0295	-.0296	-.0205	-.0339	-.0267	292.50
315.00	-.0180	-.0238	-.0287	-.0288	-.0399	-.0364	-.0372	-.0340	-.0343	-.0198	-.0319	-.0252	315.00
337.50	-.0265	-.0290	-.0313	-.0400	-.0366	-.0363	-.0349	-.0350	-.0350	-.0205	-.0324	-.0277	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0172	.0227	.0179	.0123	-.0121	.0054	-.0305	-.0329	-.0313	-.0332	-.0370	-.0298	0.00
22.50	-.0253	-.0241	-.0269	-.0096	-.0419	-.0315	-.0337	-.0333	-.0314	-.0329	-.0372	-.0295	22.50
45.00	-.0302	-.0305	-.0336	-.0106	-.0430	-.0361	-.0366	-.0336	-.0305	-.0317	-.0361	-.0293	45.00
67.50	.0086	.0000	-.0148	-.0009	-.0360	-.0332	-.0334	-.0343	-.0340	-.0367	-.0380	-.0305	67.50
90.00	.1389	.1109	.0747	.0582	.0156	.0080	.0083	.0064	.0075	.0089	-.0145	-.0125	90.00
112.50	.3896	.3664	.2850	.2280	.1615	.1413	.1456	.1443	.1451	.1525	.0915	.0845	112.50
135.00	.7648	.7245	.6070	.5075	.3931	.3753	.3761	.3847	.3859	.3818	.2689		135.00
157.50	1.1961	1.0971	.9247	.8038	.6499	.6234	.6220	.6318	.6319	.6349	.4529	.4423	157.50
180.00	1.3464	1.2470	1.0851	.9345	.7656	.7313	.7416		.7363	.7437	.5328	.5218	180.00
202.50	1.2204	1.1266	.9568	.8166	.6639	.6270	.6331	.6381	.6327	.6401	.4592	.4551	202.50
225.00	.8515	.7744	.6400	.5262	.4185	.3900	.3905	.3937	.3958	.3954	.2783	.2751	225.00
247.50	.4533	.4018	.3191	.2408	.1785	.1672	.1611	.1618	.1644	.1624	.1058	.1042	247.50
270.00	.1743	.1489	.1058	.0591	.0262	.0271	.0315	.0234	.0251	.0217	-.0047	-.0038	270.00
292.50	.0317	.0197	.0004	-.0188	-.0343	-.0256	-.0313	-.0280	-.0275	-.0234	-.0358	-.0251	292.50
315.00	-.0198	-.0254	-.0296	-.0346	-.0437	-.0351	-.0363	-.0323	-.0306	-.0224	-.0344	-.0237	315.00
337.50	-.0284	-.0304	-.0373	-.0441	-.0359	-.0357	-.0328	-.0311	-.0311	-.0225	-.0345	-.0263	337.50

TABLE V.- Continued

(d) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0168	.0235	.0181	.0168	-.0109	.0096	-.0279	-.0294	-.0290	-.0274	-.0346	-.0284	0.00
22.50	-.0264	-.0249	-.0273	-.0046	-.0407	-.0319	-.0316	-.0297	-.0289	-.0268	-.0348	-.0287	22.50
45.00	-.0316	-.0315	-.0342	-.0055	-.0417	-.0361	-.0338	-.0297	-.0280	-.0260	-.0342	-.0285	45.00
67.50	.0065	-.0011	-.0153	.0036	-.0347	-.0339	-.0325	-.0327	-.0326	-.0312	-.0367	-.0304	67.50
90.00	.1398	.1162	.0811	.0664	.0235	.0139	.0162	.0148	.0165	.0214	-.0052	-.0054	90.00
112.50	.4051	.3919	.3116	.2546	.1878	.1681	.1739	.1765	.1748	.1847	.1188	.1120	112.50
135.00	.8193	.7931	.6707	.5729	.4550	.4409	.4467	.4540	.4523	.4446	.3255		135.00
157.50	1.3016	1.2183	1.0378	.9142	.7559	.7371	.7373	.7421	.7326	.7386	.5420	.5347	157.50
180.00	1.4699	1.3909	1.2203	1.0656	.8933	.8646	.8786		.8568	.8657	.6392	.6304	180.00
202.50	1.3251	1.2498	1.0731	.9277	.7741	.7400	.7504	.7501	.7343	.7448	.5500	.5479	202.50
225.00	.9122	.8497	.7068	.5925	.4848	.4552	.4624	.4636	.4612	.4602	.3364	.3307	225.00
247.50	.4727	.4299	.3468	.2675	.2067	.1949	.1931	.1958	.1941	.1922	.1327	.1319	247.50
270.00	.1768	.1553	.1135	.0682	.0354	.0375	.0297	.0340	.0359	.0354	.0051	.0133	270.00
292.50	.0299	.0193	.0009	-.0144	-.0326	-.0239	-.0299	-.0260	-.0252	-.0175	-.0342	-.0240	292.50
315.00	-.0212	-.0261	-.0303	-.0306	-.0419	-.0331	-.0332	-.0286	-.0280	-.0169	-.0323	-.0225	315.00
337.50		-.0289	-.0312	-.0326	-.0424	-.0343	-.0326	-.0292	-.0284	-.0172	-.0324	-.0248	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0166	.0232	.0181	.0164	-.0053	.0088	-.0255	-.0280	-.0283	-.0259	-.0293	-.0281	0.00
22.50	-.0275	-.0260	-.0277	-.0049	-.0341	-.0291	-.0292	-.0278	-.0279	-.0254	-.0295	-.0279	22.50
45.00	-.0330	-.0325	-.0349	-.0057	-.0346	-.0334	-.0308	-.0281	-.0271	-.0246	-.0291	-.0278	45.00
67.50	.0040	-.0023	-.0160	.0037	-.0299	-.0331	-.0314	-.0317	-.0318	-.0294	-.0322	-.0305	67.50
90.00	.1388	.1186	.0862	.0729	.0330	.0212	.0253	.0235	.0258	.0319	.0060	.0021	90.00
112.50	.4140	.4107	.3368	.2807	.2142	.1951	.2050	.2068	.2075	.2169	.1448	.1399	112.50
135.00	.8255	.8492	.7338	.6397	.5173	.5113	.5214	.5253	.5173	.5125	.3846		135.00
157.50	1.3643	1.3193	1.1485	1.0257	.8627	.8534	.8570	.8555	.8383	.8455	.6352	.6352	157.50
180.00	1.5473	1.5143	1.3544	1.1945	1.0184	.9997	1.0215		.9834	.9886	.7485	.7474	180.00
202.50	1.3904	1.3526	1.1893	1.0381	.8809	.8547	.8723	.8642	.8408	.8502	.6437	.6490	202.50
225.00	.9501	.9080	.7741	.6611	.5499	.5271	.5383	.5366	.5280	.5272	.3969	.3922	225.00
247.50	.4846	.4511	.3747	.2972	.2355	.2238	.2247	.2260	.2241	.2225	.1597	.1588	247.50
270.00	.1772	.1592	.1204	.0768	.0461	.0454	.0394	.0442	.0464	.0456	.0173	.0221	270.00
292.50	.0276	.0185	.0012	-.0131	-.0270	-.0233	-.0283	-.0242	-.0237	-.0161	-.0291	-.0239	292.50
315.00	-.0227	-.0273	-.0310	-.0293	-.0348	-.0323	-.0299	-.0269	-.0270	-.0151	-.0265	-.0225	315.00
337.50		-.0299	-.0318	-.0316	-.0354	-.0329	-.0296	-.0273	-.0275	-.0158	-.0265	-.0247	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0172	.0234	.0193	.0182	-.0030	.0158	-.0239	-.0271	-.0268	-.0233	-.0276	-.0222	0.00
22.50	-.0282	-.0265	-.0275	-.0029	-.0312	-.0215	-.0276	-.0269	-.0264	-.0227	-.0277	-.0224	22.50
45.00	-.0338	-.0334	-.0348	-.0037	-.0317	-.0259	-.0291	-.0271	-.0255	-.0220	-.0272	-.0225	45.00
67.50	.0027	-.0036	-.0157	.0041	-.0292	-.0272	-.0305	-.0310	-.0306	-.0278	-.0312	-.0259	67.50
90.00	.1403	.1191	.0916	.0800	.0415	.0350	.0336	.0334	.0358	.0424	.0138	.0130	90.00
112.50	.4293	.4220	.3601	.3069	.2426	.2267	.2356	.2391	.2392	.2460	.1717	.1699	112.50
135.00	.8976	.8823	.7942	.7046	.5802	.5802	.5912	.5965	.5839	.5772	.4432		135.00
157.50	1.4467	1.3802	1.2573	1.1348	.9731	.9654	.9686	.9662	.9454	.9508	.7284	.7333	157.50
180.00	1.6434	1.5882	1.4823	1.3239	1.1503	1.1309	1.1515		1.1073	1.1108	.8571	.8628	180.00
202.50	1.4724	1.4148	1.3001	1.1503	.9939	.9680	.9841	.9761	.9480	.9557	.7378	.7502	202.50
225.00	1.0022	.9473	.8389	.7309	.6169	.5978	.6085	.6054	.5937	.5922	.4565	.4534	225.00
247.50	.5012	.4634	.4003	.3259	.2648	.2578	.2548	.2559	.2544	.2517	.1874	.1886	247.50
270.00	.1800	.1605	.1275	.0855	.0553	.0611	.0497	.0553	.0580	.0545	.0259	.0337	270.00
292.50	.0263	.0172	.0020	-.0122	-.0275	-.0172	-.0269	-.0225	-.0215	-.0147	-.0275	-.0200	292.50
315.00	-.0236	-.0282	-.0311	-.0268	-.0331	-.0250	-.0284	-.0259	-.0253	-.0132	-.0251	-.0192	315.00
337.50		-.0306	-.0318	-.0295	-.0335	-.0261	-.0280	-.0262	-.0259	-.0137	-.0250	-.0218	337.50

TABLE V.- Concluded

(d) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0171	.0228	.0200	.0196	-.0638	.0127	-.0228	-.0253	-.0235	-.0212	-.0307	-.0239	0.00
22.50	-.0288	-.0270	-.0266	-.0006	-.0334	-.0243	-.0265	-.0247	-.0232	-.0208	-.0308	-.0237	22.50
45.00	-.0349	-.0339	-.0336	-.0006	-.0340	-.0286	-.0279	-.0249	-.0224	-.0198	-.0299	-.0234	45.00
67.50	.0001	-.0054	-.0156	.0051	-.0335	-.0308	-.0294	-.0293	-.0285	-.0264	-.0348	-.0273	67.50
90.00	.1384	.1187	.0966	.0861	.0467	.0391	.0428	.0422	.0452	.0510	.0193	.0201	90.00
112.50	.4364	.4343	.3819	.3337	.2696	.2543	.2678	.2699	.2714	.2754	.1978	.1979	112.50
135.00	.9249	.9197	.8498	.7689	.6431	.6511	.6615	.6642	.6505	.6430	.5008	.5008	135.00
157.50	1.5098	1.4544	1.3565	1.2397	1.0799	1.0869	1.0790	1.0702	1.0541	1.0559	.8229	.8393	157.50
180.00	1.7195	1.6781	1.5944	1.4462	1.2806	1.2678	1.2819		1.2339	1.2339	.9675	.9847	180.00
202.50	1.5371	1.4901	1.3998	1.2569	1.1067	1.0874	1.0975	1.0808	1.0557	1.0605	.8321	.8560	202.50
225.00	1.0427	.9930	.9065	.7971	.6852	.6724	.6783	.6701	.6569	.6571	.5138	.5218	225.00
247.50	.5102	.4783	.4254	.3540	.2941	.2868	.2854	.2854	.2861	.2810	.2134	.2176	247.50
270.00	.1790	.1613	.1333	.0925	.0630	.0677	.0593	.0647	.0681	.0636	.0323	.0427	270.00
292.50	.0236	.0158	.0027	-.0114	-.0307	-.0180	-.0254	-.0204	-.0188	-.0137	-.0307	-.0191	292.50
315.00	-.0247	-.0288	-.0300	-.0226	-.0352	-.0252	-.0272	-.0236	-.0220	-.0117	-.0276	-.0181	315.00
337.50	-.0310	-.0307	-.0307	-.0262	-.0354	-.0269	-.0268	-.0241	-.0228	-.0121	-.0277	-.0211	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0161	.0215	.0213	.0213	.0009	.0166	-.0207	-.0219	-.0220	-.0194	-.0250	-.0236	0.00
22.50	-.0295	-.0271	-.0241	.0008	-.0267	-.0214	-.0241	-.0214	-.0217	-.0191	-.0254	-.0236	22.50
45.00	-.0357	-.0341	-.0294	.0011	-.0275	-.0260	-.0255	-.0213	-.0208	-.0185	-.0248	-.0230	45.00
67.50	-.0036	-.0074	-.0159	.0045	-.0276	-.0286	-.0281	-.0272	-.0271	-.0247	-.0299	-.0277	67.50
90.00	.1298	.1158	.0988	.0903	.0568	.0488	.0518	.0521	.0545	.0600	.0300	.0285	90.00
112.50	.4243	.4349	.3956	.3544	.2953	.2831	.2957	.2994	.2985	.3032	.2221	.2256	112.50
135.00	.9402	.9467	.8952	.8267	.7032	.7214	.7264	.7264	.7095	.7043	.5553	.5553	135.00
157.50	1.5410	1.5076	1.4372	1.3354	1.1843	1.1966	1.1825	1.1660	1.1539	1.1607	.9186	.9464	157.50
180.00	1.7421	1.7371	1.6948	1.5613	1.4044	1.4016	1.4002		1.3484	1.3521	1.0778	1.1105	180.00
202.50	1.5450	1.5311	1.4791	1.3556	1.2086	1.1985	1.1990	1.1781	1.1506	1.1576	.9230	.9609	202.50
225.00	1.0466	1.0195	.9471	.8566	.7457	.7388	.7420	.7302	.7122	.7173	.5682	.5867	225.00
247.50	.4990	.4812	.4392	.3758	.3194	.3156	.3131	.3131	.3126	.3071	.2378	.2473	247.50
270.00	.1691	.1577	.1350	.0969	.0729	.0780	.0688	.0749	.0785	.0727	.0433	.0547	270.00
292.50	.0192	.0131	.0021	-.0112	-.0248	-.0177	-.0238	-.0180	-.0166	-.0123	-.0261	-.0175	292.50
315.00	-.0260	-.0297	-.0258	-.0197	-.0286	-.0247	-.0246	-.0204	-.0205	-.0108	-.0229	-.0173	315.00
337.50	-.0313	-.0277	-.0277	-.0223	-.0289	-.0257	-.0244	-.0209	-.0212	-.0110	-.0231	-.0203	337.50

TABLE VI.- PRESSURE COEFFICIENTS FOR CIRCULAR-ARC-CYLINDER-FLARE MODEL

(a) $M_{\infty} = 1.6$

ALPHA = -4.0 DEG													
THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.3139	.2514	.1446	.0445	-.0272	-.0392	-.0325	-.0194	-.0116	.0158	.1468	.1406	0.00
22.50	.3141	.2486	.1404	.0415	-.0389	-.0484	-.0379	-.0227	-.0140	.0123	.1479	.1359	22.50
45.00	.2974	.2271	.1237	.0281	-.0466	-.0602	-.0419	-.0329	-.0210	.0008	.1373	.1299	45.00
67.50	.2718	.2087	.0978	.0109	-.0603	-.0749	-.0521	-.0434	-.0284	-.0163	.1393	.1179	67.50
90.00	.2410	.1755	.0775	-.0049	-.0743	-.0863	-.0598	-.0460	-.0264	-.0215	.1316	.1065	90.00
112.50	.1755	.1585	.0633	-.0126	-.0632	-.0902	-.0596	-.0393	-.0209	-.0199	.1376	.0997	112.50
135.00	.1889	.1444	.0465	-.0248	-.0815	-.0861	-.0495	-.0228	-.0134	-.0112	.1336	.1028	135.00
157.50	.1891	.1368	.0417	-.0230	-.0788	-.0788	-.0489	-.0176	-.0072	-.0016	.1313	.1089	157.50
180.00	.1836	.1299	.0458	-.0253	-.0781	-.0782	-.0420		-.0038		.1419	.1069	180.00
202.50	.1891	.1352	.0464	-.0258	-.0808	-.0823	-.0463	-.0193	-.0053		.1509	.1092	202.50
225.00	.1976	.1429	.0544	-.0245	-.0841	-.0848	-.0507	-.0327	-.0133	-.0043	.1384	.1101	225.00
247.50	.2133	.1586	.0624	-.0206	-.0855	-.0873	-.0597	-.0419	-.0250	-.0111	.1327	.1000	247.50
270.00	.2397	.1803	.0809	-.0083	-.0793	-.0854	-.0614	-.0449	-.0312	-.0144	.1291	.1041	270.00
292.50	.2658	.2060	.1006	.0079	-.0673	-.0761	-.0546	-.0417	-.0305	-.0129	.1390	.1130	292.50
315.00	.2956	.2304	.1229	.0292	-.0513	-.0623	-.0449	-.0329	-.0227	-.0006	.1443	.1285	315.00
337.50	.3066	.2541	.1380	.0404	-.0377	-.0501	-.0359	-.0233	-.0148	.0135	.1530	.1351	337.50
ALPHA = 0 DEG													
THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2432	.1850	.0871	.0018	-.0527	-.0576	-.0412	-.0218	-.0104	-.0025	.1455	.1129	0.00
22.50	.2502	.1881	.0904	.0040	-.0654	-.0630	-.0360	-.0243	-.0118	-.0028	.1455	.1148	22.50
45.00	.2525	.1855	.0901	.0038	-.0577	-.0658	-.0372	-.0242	-.0102	-.0045	.1407	.1156	45.00
67.50	.2540	.1863	.0756	.0059	-.0555	-.0672	-.0364	-.0253	-.0109	-.0066	.1416	.1167	67.50
90.00	.2519	.1871	.0962	.0069	-.0587	-.0704	-.0399	-.0264	-.0106	-.0053	.1409	.1158	90.00
112.50	.2075	.1857	.0904	.0087	-.0667	-.0723	-.0388	-.0255	-.0103	-.0082	.1420	.1148	112.50
135.00	.2350	.1875	.0884	.0056	-.0609	-.0692	-.0371	-.0224	-.0080	-.0078	.1438	.1185	135.00
157.50	.2473	.1874	.0871	.0078	-.0597	-.0691	-.0464	-.0223	-.0069	-.0046	.1507	.1212	157.50
180.00	.2434	.1834	.0887	.0063	-.0612	-.0689	-.0464		-.0052	-.0017	.1547	.1159	180.00
202.50	.2462	.1862	.0919	.0077	-.0631	-.0724	-.0427	-.0216	-.0085	-.0081	.1497	.1261	202.50
225.00	.2476	.1871	.0920	.0080	-.0649	-.0716	-.0400	-.0229	-.0112	-.0066	.1350	.1379	225.00
247.50	.2461	.1864	.0883	.0030	-.0670	-.0715	-.0419	-.0277	-.0123	-.0165	.1185	.1284	247.50
270.00	.2489	.1864	.0893	.0024	-.0659	-.0696	-.0410	-.0274	-.0127	-.0148	.1237	.1239	270.00
292.50	.2487	.1880	.0889	.0013	-.0640	-.0669	-.0394	-.0265	-.0128	-.0142	.1275	.1213	292.50
315.00	.2523	.1890	.0887	.0011	-.0603	-.0643	-.0427	-.0249	-.0122	-.0067	.1399	.1198	315.00
337.50	.2462	.1944	.0866	.0025	-.0571	-.0609	-.0419	-.0222	-.0110	-.0014	.1428	.1161	337.50
ALPHA = 4.0 DEG													
THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1794	.1269	.0422	-.0272	-.0691	-.0682	-.0379	-.0174	-.0055	.0030	.1271	.1013	0.00
22.50	.1902	.1304	.0450	-.0252	-.0840	-.0745	-.0394	-.0207	-.0083	.0010	.1317	.1016	22.50
45.00	.2016	.1385	.0505	-.0231	-.0780	-.0819	-.0471	-.0278	-.0097	-.0047	.1400	.1034	45.00
67.50	.2188	.1584	.0599	-.0170	-.0776	-.0840	-.0540	-.0388	-.0131	-.0127	.1429	.1071	67.50
90.00	.2415	.1662	.0778	-.0056	-.0724	-.0832	-.0555	-.0426	-.0209	-.0153	.1430	.1103	90.00
112.50	.2208	.2023	.1024	.0157	-.0642	-.0764	-.0510	-.0413	-.0215	-.0181	.1426	.1156	112.50
135.00	.2728	.2261	.1178	.0286	-.0640	-.0605	-.0393	-.0257	-.0139	-.0147	.1482	.1274	135.00
157.50	.3107	.2459	.1341	.0436	-.0360	-.0473	-.0397	-.0215	-.0066	-.0056	.1605	.1388	157.50
180.00	.3131	.2485	.1425	.0489	-.0332	-.0476	-.0366		-.0050	-.0021	.1664	.1373	180.00
202.50	.3107	.2476	.1377	.0438	-.0365	-.0544	-.0360	-.0198	-.0126	-.0035	.1633	.1447	202.50
225.00	.2948	.2315	.1225	.0304	-.0477	-.0621	-.0408	-.0279	-.0188	-.0031	.1506	.1429	225.00
247.50	.2657	.2067	.0972	.0085	-.0616	-.0719	-.0518	-.0403	-.0254	-.0089	.1437	.1185	247.50
270.00	.2422	.1821	.0783	-.0070	-.0698	-.0747	-.0548	-.0415	-.0266	-.0107	.1416	.1090	270.00
292.50	.2170	.1620	.0610	-.0187	-.0754	-.0759	-.0538	-.0382	-.0210	-.0104	.1431	.1025	292.50
315.00	.2022	.1457	.0446	-.0247	-.0753	-.0750	-.0509	-.0290	-.0109	-.0041	.1420	.1050	315.00
337.50	.1859	.1410	.0399	-.0259	-.0715	-.0690	-.0452	-.0203	-.0055	.0032	.1299	.1023	337.50

TABLE VI.- Continued

(a) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1263	.0799	.0096	-.0483	-.0788	-.0747	-.0270	-.0109	.0011	.0039	.1470	.1003	0.00
22.50	.1356	.0860	.0094	-.0506	-.0970	-.0844	-.0376	-.0171	-.0091	-.0056	.1109	.0790	22.50
45.00	.1449	.0903	.0085	-.0568	-.1038	-.1004	-.0621	-.0328	-.0176	-.0148	.1082	.0777	45.00
67.50	.1721	.1151	.0197	-.0538	-.1116	-.1147	-.0921	-.0643	-.0382	-.0401	.1040	.0724	67.50
90.00	.2141	.1370	.0521	-.0328	-.1041	-.1132	-.1034	-.0838	-.0597	-.0574	.0926	.0717	90.00
112.50	.2227	.2060	.1042	.0118	-.0779	-.0938	-.0814	-.0754	-.0580	-.0557	.1046	.0858	112.50
135.00	.3075	.2598	.1465	.0508	-.0357	-.0556	-.0445	-.0392	-.0324	-.0343	.1296	.1208	135.00
157.50	.3813	.3080	.1839	.0894	-.0063	-.0128	-.0183	-.0152	-.0060	-.0013	.1704	.1548	157.50
180.00	.3915	.3201	.2011	.1006	.0060	.0121	.0091		-.0009	.0093	.1751	.1623	180.00
202.50	.3819	.3135	.1895	.0887	-.0036	-.0247	-.0204	-.0102	-.0127	.0021	.1608	.1504	202.50
225.00	.3386	.2707	.1522	.0548	-.0319	-.0509	-.0483	-.0400	-.0387	-.0212	.1379	.1286	225.00
247.50	.2734	.2128	.0969	.0042	-.0696	-.0859	-.0834	-.0770	-.0605	-.0486	.1033	.0826	247.50
270.00	.2173	.1581	.0530	-.0321	-.0978	-.1062	-.1024	-.0855	-.0643	-.0555	.0914	.0693	270.00
292.50	.1714	.1187	.0232	-.0526	-.1104	-.1111	-.0887	-.0661	-.0474	-.0393	.1066	.0689	292.50
315.00	.1485	.0949	.0103	-.0568	-.1021	-.0962	-.0635	-.0359	-.0207	-.0152	.1054	.0783	315.00
337.50	.1348	.0886	.0077	-.0515	-.0875	-.0788	-.0389	-.0200	-.0075	-.0063	.1080	.0804	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0879	.0473	-.0167	-.0611	-.0846	-.0722	-.0200	-.0050	.0084	.0052	.1990	.1070	0.00
22.50	.0926	.0469	-.0242	-.0733	-.1075	-.0864	-.0466	-.0363	-.0407	-.0493	.0313	.0141	22.50
45.00	.0905	.0387	-.0397	-.0990	-.1356	-.1233	-.0799	-.0465	-.0398	-.0330	.0590	.0454	45.00
67.50	.1163	.0589	-.0336	-.1097	-.1696	-.1742	-.1554	-.1125	-.0813	-.0561	.0603	.0389	67.50
90.00	.1793	.0937	.0121	-.0764	-.1574	-.1716	-.1828	-.1790	-.1442	-.1219	.0275	.0171	90.00
112.50	.2189	.2038	.0979	-.0016	-.1007	-.1158	-.1246	-.1315	-.1320	-.1297	.0252	.0288	112.50
135.00	.3411	.2983	.1775	.0704	-.0225	-.0443	-.0424	-.0506	-.0578	-.0647	.0887	.0904	135.00
157.50	.4610	.3792	.2460	.1382	.0338	.0341	.0103	.0052	.0031	.0051	.1713	.1627	157.50
180.00	.4836	.4025	.2773	.1617	.0591	.0352	.0363		.0275	.0325	.2062	.1855	180.00
202.50	.4648	.3854	.2575	.1409	.0401	.0135	.0103	.0112	.0025	.0081	.1754	.1595	202.50
225.00	.3900	.3123	.1892	.0790	-.0153	-.0385	-.0461	-.0500	-.0587	-.0545	.0951	.0944	225.00
247.50	.2813	.2135	.0960	-.0061	-.0904	-.1118	-.1245	-.1329	-.1358	-.1274	.0197	.0218	247.50
270.00	.1851	.1225	.0170	-.0742	-.1474	-.1649	-.1796	-.1775	-.1532	-.1272	.0104	.0123	270.00
292.50	.1142	.0640	-.0296	-.1086	-.1693	-.1748	-.1563	-.1179	-.0826	-.0655	.0661	.0321	292.50
315.00	.0940	.0454	-.0363	-.0987	-.1362	-.1281	-.0839	-.0524	-.0376	-.0296	.0675	.0553	315.00
337.50	.0908	.0497	-.0257	-.0729	-.0997	-.0883	-.0467	-.0417	-.0398	-.0525	.0183	.0125	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0492	.0166	-.0324	-.0715	-.0897	-.0771	-.0169	-.0004	.0074	-.0114	.1580	.1410	0.00
22.50	.0474	.0041	-.0674	-.0866	-.1190	-.1029	-.0767	-.0854	-.1090	-.1204	-.0088	-.0824	22.50
45.00	.0324	-.0135	-.0922	-.1401	-.1650	-.1519	-.1056	-.0826	-.0686	-.1262	-.0343	-.0258	45.00
67.50	.0461	-.0116	-.1059	-.1839	-.2469	-.2581	-.2741	-.2188	-.1429	-.0906	.0080	.0055	67.50
90.00	.1284	.0412	-.0416	-.1346	-.2148	-.2402	-.2665	-.2878	-.2928	-.2262	-.0199	-.0226	90.00
112.50	.2128	.2005	.0885	-.0174	-.1183	-.1447	-.1594	-.1761	-.1877	-.2031	-.0889	-.0943	112.50
135.00	.3804	.3391	.2118	.0975	-.0048	-.0226	-.0339	-.0461	-.0570	-.0720	.0792	.0682	135.00
157.50	.5525	.4617	.3162	.1982	.0816	.0934	.0520	.0441	.0396	.0361	.2157	.1989	157.50
180.00	.5901	.4998	.3634	.2352	.1200	.0938	.0939		.0786	.0794	.2603	.2402	180.00
202.50	.5590	.4731	.3328	.2045	.0932	.0646	.0607	.0472	.0420	.0439	.2159	.1975	202.50
225.00	.4455	.3622	.2304	.1089	.0074	-.0215	-.0286	-.0436	-.0555	-.0624	.0891	.0778	225.00
247.50	.2848	.2131	.0908	-.0219	-.1102	-.1345	-.1552	-.1717	-.1841	-.1987	-.0873	-.0945	247.50
270.00	.1424	.0780	-.0320	-.1312	-.2089	-.2280	-.2616	-.2843	-.2915	-.2357	-.0574	-.0313	270.00
292.50	.0456	-.0040	-.1002	-.1850	-.2538	-.2688	-.2819	-.2350	-.1235	-.0950	.0056	-.0001	292.50
315.00	.0345	-.0127	-.0920	-.1459	-.1747	-.1632	-.1069	-.0910	-.0823	-.0919	-.0026	-.0271	315.00
337.50	.0472	.0049	-.0672	-.0922	-.1164	-.1046	-.0791	-.0898	-.1006	-.1296	-.0324	-.1000	337.50

TABLE VI.- Continued

(a) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0291	-.0017	-.0489	-.0888	-.1045	-.0892	-.0383	-.0168	-.0251	-.0642	.0615	.0287	0.00
22.50	-.0138	-.0461	-.0810	-.1216	-.1507	-.1359	-.1081	-.1407	-.2191	-.2297	-.1056	-.0793	22.50
45.00	-.0220	-.0626	-.1515	-.1993	-.2335	-.2846	-.2810	-.2513	-.2372	-.1964	-.0800	-.0672	45.00
67.50	-.0351	-.0880	-.1893	-.2742	-.3253	-.3280	-.2725	-.2102	-.1348	-.1396	-.0539	-.0669	67.50
90.00	.0685	-.0108	-.0957	-.1893	-.2664	-.2913	-.3119	-.2004	-.2490	-.1926	-.0398	-.0811	90.00
112.50	.2014	.1981	.0822	-.0258	-.1307	-.1572	-.1698	-.1803	-.2012	-.2142	-.1081	-.1128	112.50
135.00	.4216	.3690	.2510	.1318	.0273	.0054	-.0067	-.0278	-.0366	-.0520	.1059	.0941	135.00
157.50	.6414	.5529	.3934	.2676	.1472	.1671	.1112	.0977	.0944	.0866	.2754	.2588	157.50
180.00	.6946	.6075	.4571	.3165	.1957	.1634	.1664	.1448	.1408	.1408	.3383	.3182	180.00
202.50	.6523	.5684	.4166	.2731	.1555	.1255	.1200	.1013	.0962	.0910	.2793	.2610	202.50
225.00	.4991	.4172	.2788	.1453	.0375	.0122	-.0204	-.0216	-.0286	-.0413	.1181	.1054	225.00
247.50	.2848	.2143	.0900	-.0294	-.1185	-.1401	-.1660	-.1838	-.1950	-.2117	-.1024	-.1107	247.50
270.00	.0888	.0254	-.0835	-.1811	-.2549	-.2732	-.3071	-.3039	-.2550	-.1741	-.0368	-.0768	270.00
292.50	-.0375	-.0860	-.1802	-.2702	-.3211	-.3230	-.2884	-.1762	-.1588	-.1366	-.0665	-.0568	292.50
315.00	-.0237	-.0661	-.1467	-.2016	-.2630	-.2613	-.2661	-.2492	-.2156	-.1908	-.0603	-.0670	315.00
337.50	-.0167	-.0528	-.1044	-.1412	-.1602	-.1365	-.1246	-.1098	-.2339	-.2271	-.0952	-.0827	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0119	-.0165	-.0665	-.0979	-.1306	-.1256	-.0909	-.1324	-.1589	-.1527	.0003	.0035	0.00
22.50	-.0944	-.1481	-.1598	-.2133	-.2918	-.3079	-.3293	-.3135	-.2591	-.1657	-.0317	-.0681	22.50
45.00	-.0873	-.1380	-.2164	-.2520	-.3113	-.3026	-.3059	-.3407	-.2606	-.1866	-.0513	-.1056	45.00
67.50	-.1247	-.1768	-.2578	-.2929	-.3074	-.3007	-.2474	-.1915	-.1733	-.1899	-.0973	-.0869	67.50
90.00	.0184	-.0580	-.1419	-.2203	-.2925	-.3152	-.2989	-.2644	-.2239	-.2350	-.1865	-.2626	90.00
112.50	.2243	.2046	.0740	-.0273	-.1223	-.1503	-.1616	-.1836	-.1954	-.2077	-.0985	-.1048	112.50
135.00	.4665	.4405	.2994	.1799	.0650	.0443	.0296	.0133	-.0002	-.0165	.1565	.1417	135.00
157.50	.7401	.6518	.4779	.3464	.2209	.2550	.1816	.1658	.1624	.1520	.3599	.3378	157.50
180.00	.8056	.7201	.5567	.4078	.2615	.2549	.2473	.2252	.2168	.2168	.4366	.4090	180.00
202.50	.7481	.6664	.5066	.3514	.2275	.1983	.1887	.1711	.1639	.1598	.3608	.3376	202.50
225.00	.5571	.4777	.3256	.1940	.0826	.0543	.0348	.0170	.0033	-.0055	.1648	.1470	225.00
247.50	.2920	.2264	.0914	-.0219	-.1086	-.1353	-.1615	-.1799	-.1948	-.2046	-.0955	-.1048	247.50
270.00	.0374	-.0205	-.1280	-.2142	-.2823	-.3039	-.3013	-.2665	-.2413	-.2514	-.2133	-.2746	270.00
292.50	-.1309	-.1777	-.2545	-.3020	-.3117	-.2982	-.2623	-.1834	-.1934	-.2091	-.0903	-.0886	292.50
315.00	-.0899	-.1372	-.2174	-.2698	-.3102	-.3050	-.2972	-.2363	-.2501	-.1788	-.0479	-.0991	315.00
337.50	-.0859	-.1373	-.1860	-.2533	-.2878	-.3089	-.3440	-.3219	-.2329	-.1570	-.0321	-.0627	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0138	-.0384	-.1011	-.1423	-.2090	-.2239	-.2089	-.2036	-.2004	-.1829	-.0614	-.0430	0.00
22.50	-.1611	-.2219	-.2992	-.3463	-.3563	-.3370	-.3003	-.2675	-.2349	-.2277	-.1358	-.1485	22.50
45.00	-.1629	-.2140	-.2613	-.2963	-.2966	-.2902	-.2816	-.2659	-.2380	-.2284	-.1235	-.1661	45.00
67.50	-.2068	-.2341	-.2685	-.2937	-.3088	-.3037	-.2745	-.2367	-.2348	-.2155	-.1416	-.0946	67.50
90.00	-.0254	-.0916	-.1658	-.2398	-.3054	-.3231	-.3049	-.2913	-.2719	-.2640	-.2324	-.2838	90.00
112.50	.2279	.2076	.0838	-.0156	-.1136	-.1379	-.1508	-.1716	-.1790	-.1934	-.0777	-.0879	112.50
135.00	.5136	.4912	.3526	.2322	.1092	.0930	.0794	.0611	.0454	.0278	.2164	.1927	135.00
157.50	.8380	.7473	.5680	.4381	.3030	.3474	.2565	.2418	.2365	.2271	.4557	.4267	157.50
180.00	.9224	.8348	.6665	.5139	.3788	.3461	.3391	.3089	.3035	.3035	.5420	.5070	180.00
202.50	.8523	.7669	.5951	.4426	.3136	.2771	.2665	.2488	.2370	.2325	.4545	.4233	202.50
225.00	.6227	.5388	.3825	.2466	.1314	.1008	.0839	.0665	.0499	.0421	.2251	.1987	225.00
247.50	.3053	.2377	.1081	-.0068	-.0970	-.1226	-.1473	-.1645	-.1783	-.1871	-.0741	-.0858	247.50
270.00	.0016	-.0523	-.1484	-.2302	-.2957	-.3134	-.3148	-.2925	-.2735	-.2569	-.2230	-.2801	270.00
292.50	-.2097	-.2407	-.2739	-.2959	-.3105	-.3021	-.2757	-.2373	-.2314	-.2109	-.1526	-.1000	292.50
315.00	-.1638	-.2079	-.2550	-.2968	-.2983	-.2845	-.2692	-.2666	-.2400	-.2319	-.1266	-.1704	315.00
337.50	-.1758	-.2334	-.3005	-.3376	-.3509	-.3325	-.2959	-.2736	-.2376	-.2299	-.1412	-.1630	337.50

TABLE VI.- Continued

(a) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0564	-.0770	-.1497	-.2087	-.2668	-.2792	-.2446	-.2340	-.2283	-.2001	-.0721	-.0579	0.00
22.50	-.2256	-.2986	-.3252	-.3363	-.3495	-.3423	-.3176	-.3034	-.2763	-.2650	-.1869	-.2077	22.50
45.00	-.2285	-.2583	-.2973	-.3229	-.3260	-.3161	-.3031	-.2854	-.2858	-.2631	-.1481	-.1957	45.00
67.50	-.2684	-.2811	-.2944	-.3182	-.3285	-.3179	-.2912	-.2737	-.2478	-.2419	-.1636	-.1472	67.50
90.00	-.0548	-.1208	-.1810	-.2510	-.3112	-.3268	-.3316	-.3023	-.2840	-.2804	-.2921	-.3128	90.00
112.50	.2342	.2106	.0999	-.0009	-.0960	-.1193	-.1397	-.1511	-.1576	-.1715	-.0411	-.0624	112.50
135.00	.5666	.5373	.4130	.2875	.1640	.1495	.1265	.1141	.1006	.0801	.2856	.2547	135.00
157.50	.9304	.8371	.6668	.5310	.3882	.4476	.3387	.3247	.3215	.3094	.5490	.5187	157.50
180.00	1.0338	.9431	.7802	.6218	.4782	.4483	.4369	.4058	.3979	.3979	.6552	.6117	180.00
202.50	.9470	.8591	.6967	.5396	.4019	.3662	.3529	.3317	.3198	.3149	.5558	.5170	202.50
225.00	.6799	.5941	.4422	.3063	.1872	.1584	.1377	.1162	.1038	.0962	.2934	.2633	225.00
247.50	.3151	.2465	.1239	.0124	-.0745	-.1004	-.1264	-.1452	-.1541	-.1645	-.0439	-.0599	247.50
270.00	-.0237	-.0757	-.1630	-.2386	-.3001	-.3161	-.3313	-.3116	-.2864	-.2703	-.2856	-.3070	270.00
292.50	-.2612	-.2841	-.3027	-.3148	-.3284	-.3183	-.2879	-.2837	-.2681	-.2440	-.1675	-.1651	292.50
315.00	-.2273	-.2538	-.2967	-.3197	-.3218	-.3137	-.2929	-.2872	-.2830	-.2675	-.1527	-.2052	315.00
337.50	-.2466	-.2936	-.3189	-.3411	-.3543	-.3398	-.3096	-.3076	-.2788	-.2748	-.2013	-.2206	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0800	-.1236	-.1966	-.2434	-.2940	-.3081	-.2710	-.2559	-.2349	-.1988	-.0793	-.0954	0.00
22.50	-.2975	-.3247	-.3377	-.3643	-.3720	-.3654	-.3326	-.3314	-.3166	-.3045	-.2397	-.2693	22.50
45.00	-.2721	-.2979	-.3286	-.3489	-.3520	-.3445	-.3202	-.3062	-.3102	-.2866	-.1870	-.2118	45.00
67.50	-.3059	-.3221	-.3363	-.3435	-.3504	-.3445	-.3227	-.3130	-.2963	-.2753	-.1485	-.3356	67.50
90.00	-.0757	-.1329	-.1934	-.2549	-.3132	-.3299	-.3393	-.3380	-.3160	-.2987	-.3022	-.3088	90.00
112.50	.2429	.2274	.1143	.0201	-.0755	-.0994	-.1147	-.1277	-.1323	-.1391	-.0248	-.0387	112.50
135.00	.6201	.5915	.4669	.3470	.2172	.2051	.1811	.1711	.1578	.1419	.3394	.3124	135.00
157.50	1.0236	.9330	.7581	.6233	.4798	.5584	.4248	.4122	.4120	.4021	.6518	.6157	157.50
180.00	1.1435	1.0547	.8899	.7317	.5827	.5559	.5347	.5114	.5024	.5024	.7697	.7215	180.00
202.50	1.0453	.9568	.7929	.6325	.4955	.4619	.4379	.4222	.4126	.4062	.6566	.6177	202.50
225.00	.7401	.6535	.5081	.3682	.2448	.2177	.1902	.1756	.1649	.1558	.3516	.3260	225.00
247.50	.3300	.2626	.1456	.0346	-.0530	-.0760	-.1102	-.1223	-.1263	-.1331	-.0166	-.0320	247.50
270.00	-.0414	-.0917	-.1717	-.2412	-.2980	-.3137	-.3361	-.3384	-.3145	-.2903	-.2991	-.3042	270.00
292.50	-.2940	-.3171	-.3382	-.3428	-.3479	-.3414	-.3148	-.3106	-.2973	-.2812	-.1515	-.2931	292.50
315.00	-.2709	-.2920	-.3232	-.3450	-.3527	-.3368	-.3209	-.3042	-.3020	-.2816	-.1807	-.2191	315.00
337.50	-.2989	-.3260	-.3360	-.3623	-.3708	-.3611	-.3322	-.3304	-.3123	-.3083	-.2472	-.2725	337.50

ALPHA = 40.1 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1213	-.1554	-.2290	-.2814	-.3303	-.3341	-.2776	-.2727	-.2536	-.2715	-.1966	-.1966	0.00
22.50	-.3414	-.3541	-.3646	-.3873	-.3956	-.3885	-.3645	-.3654	-.3515	-.3499	-.2574	-.2514	22.50
45.00	-.3233	-.3393	-.3607	-.3732	-.3767	-.3703	-.3475	-.3389	-.3310	-.3067	-.2332	-.2123	45.00
67.50	-.3396	-.3605	-.3810	-.3723	-.3756	-.3682	-.3517	-.3388	-.3217	-.3083	-.1608	-.3099	67.50
90.00	-.0942	-.1477	-.2002	-.2584	-.3125	-.3253	-.3387	-.3494	-.3473	-.3185	-.3004	-.3029	90.00
112.50	.2478	.2343	.1280	.0376	-.0555	-.0724	-.0917	-.1033	-.0965	-.1084	-.0019	-.0104	112.50
135.00	.6779	.6427	.5234	.4052	.2715	.2721	.2397	.2331	.2276	.2077	.3922	.3759	135.00
157.50	1.1099	1.0201	.8526	.7205	.5686	.5746	.5179	.5086	.5126	.5054	.7354	.7108	157.50
180.00	1.2489	1.1627	.9992	.8442	.6912	.6751	.6416	.6226	.6226	.6185	.8659	.8290	180.00
202.50	1.1366	1.0513	.8880	.7325	.5868	.5627	.5306	.5168	.5091	.5084	.7402	.7136	202.50
225.00	.7930	.7110	.5686	.4351	.3079	.2848	.2517	.2385	.2267	.2228	.4070	.3942	225.00
247.50	.3417	.2796	.1638	.0614	-.0268	-.0478	-.0823	-.0943	-.0973	-.1029	.0075	-.0045	247.50
270.00	-.0548	-.0999	-.1776	-.2400	-.2970	-.3097	-.3333	-.3395	-.3261	-.3077	-.2953	-.2984	270.00
292.50	-.3173	-.3410	-.3638	-.3581	-.3607	-.3511	-.3311	-.3155	-.3004	-.2974	-.1645	-.3204	292.50
315.00	-.3020	-.3224	-.3470	-.3584	-.3655	-.3501	-.3423	-.3168	-.3141	-.3018	-.2255	-.2399	315.00
337.50	-.3199	-.3470	-.3601	-.3732	-.3870	-.3744	-.3491	-.3462	-.3342	-.3410	-.2718	-.2787	337.50

TABLE VI.- Continued

(a) Continued

ALPHA = 44.1 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1703	-.2119	-.2809	-.3299	-.3792	-.3878	-.3454	-.3491	-.3794	-.3764	-.2367	-.1954	0.00
22.50	-.3862	-.3896	-.4115	-.4256	-.4419	-.4383	-.4130	-.3980	-.3547	-.3028	-.1237	-.0955	22.50
45.00	-.3774	-.3904	-.4016	-.4156	-.4306	-.4292	-.4074	-.3709	-.3251	-.2768	-.1422	-.0745	45.00
67.50	-.3618	-.3821	-.4091	-.4317	-.4371	-.4304	-.4076	-.3683	-.3168	-.2405	-.0823	-.2531	67.50
90.00	-.1108	-.1591	-.2059	-.2593	-.3109	-.3222	-.3398	-.3402	-.3407	-.2468	-.2929	-.2497	90.00
112.50	.2495	.2411	.1431	.0583	-.0310	-.0455	-.0615	-.0696	-.0731	-.0652	.0239	.0103	112.50
135.00	.7199	.6853	.5709	.4583	.3304	.3295	.3043	.3037	.2827	.2954	.4510	.4223	135.00
157.50	1.1898	1.1047	.9404	.8099	.6639	.7847	.6230	.6183	.6042	.6353	.8244	.7841	157.50
180.00	1.3434	1.2630	1.1076	.9529	.7994	.7837	.7575		.7316	.7672	.9716	.9183	180.00
202.50	1.2199	1.1375	.9828	.8289	.6885	.6650	.6360	.6274	.6058	.6410	.8321	.7912	202.50
225.00	.8452	.7633	.6271	.4942	.3715	.3468	.3198	.3125	.2943	.3186	.4682	.4461	225.00
247.50	.3550	.2955	.1859	.0824	-.0001	-.0231	-.0486	-.0584	-.0696	-.0578	.0371	.0229	247.50
270.00	-.0668	-.1089	-.1803	-.2407	-.2911	-.3036	-.3223	-.3277	-.3374	-.3288	-.2881	-.2864	270.00
292.50	-.3332	-.3508	-.3485	-.3444	-.3440	-.3326	-.3063	-.3117	-.3449	-.3622	-.2927	-.2809	292.50
315.00	-.3093	-.3271	-.3416	-.3472	-.3498	-.3392	-.3307	-.3223	-.3676	-.3712	-.2859	-.2837	315.00
337.50	-.3267	-.3489	-.3605	-.3703	-.3729	-.3578	-.3297	-.3459	-.3904	-.3879	-.2945	-.2552	337.50

ALPHA = 48.2 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.2181	-.2567	-.3095	-.3338	-.3658	-.3668	-.3345	-.3712	-.3266	-.2418	-.1408	-.1147	0.00
22.50	-.3806	-.3997	-.4137	-.4237	-.4339	-.4223	-.4026	-.3820	-.3006	-.2330	-.1620	-.1235	22.50
45.00	-.3760	-.3932	-.4032	-.4121	-.4185	-.4094	-.3800	-.3524	-.3072	-.2352	-.1672	-.1128	45.00
67.50	-.3768	-.3950	-.4159	-.4249	-.4208	-.4100	-.3769	-.3420	-.2954	-.2100	-.1645	-.1343	67.50
90.00	-.1256	-.1701	-.2115	-.2597	-.3043	-.3131	-.3227	-.3303	-.3125	-.2376	-.2471	-.1722	90.00
112.50	.2522	.2484	.1578	.0784	-.0060	-.0174	-.0316	-.0386	-.0369	-.0076	.0481	.0283	112.50
135.00	.7663	.7315	.6231	.5171	.3919	.3954	.3737	.3716	.3544	.3957	.5047	.4595	135.00
157.50	1.2597	1.1785	1.0268	.9032	.7617	.8979	.7229	.7140	.7056	.7745	.9026	.8427	157.50
180.00	1.4273	1.3525	1.2073	1.0612	.9151	.8982	.8762		.8483	.9240	1.0638	.9898	180.00
202.50	1.2916	1.2132	1.0708	.9235	.7884	.7653	.7390	.7235	.7106	.7844	.9092	.8514	202.50
225.00	.8864	.8067	.6809	.5545	.4352	.4128	.3924	.3784	.3650	.4202	.5217	.4830	225.00
247.50	.3610	.3052	.2029	.1063	.0272	.0093	-.0164	-.0275	-.0328	.0022	.0620	.0387	247.50
270.00	-.0785	-.1183	-.1846	-.2394	-.2856	-.2943	-.3149	-.3212	-.3184	-.2405	-.2358	-.1555	270.00
292.50	-.3500	-.3690	-.3928	-.3907	-.3887	-.3779	-.3627	-.3524	-.3472	-.2602	-.1805	-.1290	292.50
315.00	-.3501	-.3650	-.3789	-.3871	-.3914	-.3827	-.3712	-.3691	-.3555	-.2584	-.1738	-.1311	315.00
337.50	-.3641	-.3798	-.3938	-.4034	-.4133	-.4018	-.4033	-.3940	-.3600	-.2771	-.1878	-.1328	337.50

ALPHA = 52.4 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.3771	-.3540	-.3262	-.2914	-.2621	-.2305	-.1860	-.1724	-.1496	-.1170	-.1099	-.0951	0.00
22.50	-.3106	-.3285	-.3118	-.2826	-.2333	-.2074	-.1810	-.1730	-.1520	-.1239	-.1118	-.0914	22.50
45.00	-.3154	-.3268	-.3019	-.2651	-.2187	-.1952	-.1741	-.1697	-.1471	-.1344	-.1159	-.0880	45.00
67.50	-.3284	-.3320	-.2922	-.2549	-.2090	-.1882	-.1721	-.1595	-.1391	-.1449	-.1060	-.1100	67.50
90.00	-.1443	-.1815	-.2156	-.2464	-.2656	-.1820	-.1769	-.1593	-.1405	-.1598	-.1530	-.1459	90.00
112.50	.2435	.2469	.1697	.1010	.0242	.0120	.0032	-.0061	-.0015	.0323	.0668	.0386	112.50
135.00	.7903	.7596	.6723	.5773	.4551	.4609	.4414	.4417	.4261	.4668	.5489	.4917	135.00
157.50	1.3125	1.2406	1.1087	.9950	.8644	1.0156	.8260	.8183	.8126	.8826	.9707	.8981	157.50
180.00	1.4971	1.4348	1.3055	1.1688	1.0324	1.0155	.9930		.9704	1.0458	1.1430	1.0542	180.00
202.50	1.3531	1.2857	1.1545	1.0188	.8697	.8668	.8420	.8293	.8207	.8914	.9821	.9058	202.50
225.00	.9124	.8452	.7297	.6154	.5015	.4775	.4596	.4456	.4434	.4937	.5640	.5123	225.00
247.50	.3525	.3073	.2192	.1335	.0567	.0379	.0164	.0059	.0066	.0418	.0808	.0477	247.50
270.00	-.0946	-.1298	-.1870	-.2344	-.2349	-.2206	-.1877	-.1622	-.1377	-.1522	-.1511	-.1298	270.00
292.50	-.3613	-.3487	-.3156	-.2964	-.2367	-.2181	-.1888	-.1634	-.1415	-.1377	-.1106	-.1088	292.50
315.00	-.3885	-.3600	-.3221	-.3003	-.2552	-.2307	-.1916	-.1704	-.1479	-.1322	-.1197	-.1013	315.00
337.50	-.3904	-.3634	-.3258	-.3039	-.2670	-.2348	-.1899	-.1704	-.1508	-.1278	-.1203	-.1070	337.50

TABLE VI.- Continued

(a) Concluded

ALPHA = 56.7 DEG

THETA, DEG	.075	.125	.225	.325	.425	CP FOR X/L =		.675	.775	.875	.925	.975	THETA, DEG
						.475	.575						
0.00	-.0409	-.0306	-.0368	-.0687	-.0815	-.0748	-.0635	-.0282	.0321	.0814	.0763	.0576	0.00
22.50	-.0355	-.0254	-.0282	-.0656	-.0799	-.0817	-.0661	-.0297	.0324	.0750	.0690	.0524	22.50
45.00	-.0433	-.0319	-.0314	-.0655	-.0733	-.0884	-.0604	-.0269	.0357	.0677	.0630	.0514	45.00
67.50	-.0383	-.0264	-.0294	-.0574	-.0684	-.0878	-.0540	-.0180	.0509	.0816	.0782	.0438	67.50
90.00	-.0558	-.0357	-.0297	-.0526	-.0607	-.0923	-.0575	-.0194	.0466	.0827	-.0385	-.0153	90.00
112.50	.2340	.2494	.1810	.1169	.0509	.0408	.0334	.0291	.0460	.0705	.0804	.0463	112.50
135.00	.8109	.7914	.7149	.6284	.5194	.5295	.5081	.5118	.5018	.5235	.5900	.5211	135.00
157.50	1.3512	1.2921	1.1818	1.0796	.9645	1.1294	.9260	.9219	.9255	.9773	1.0362	.9486	157.50
180.00	1.5453	1.4956	1.3863	1.2654	1.1455	1.1278	1.1098		1.0945	1.1523	1.2192	1.1132	180.00
202.50	1.3937	1.3367	1.2248	1.1022	.9870	.9657	.9465	.9353	.9285	.9825	1.0472	.9571	202.50
225.00	.9300	.8714	.7729	.6666	.5694	.5486	.5307	.5148	.5144	.5522	.6038	.5451	225.00
247.50	.3445	.3099	.2311	.1485	.0878	.0712	.0525	.0429	.0464	.0720	.0926	.0556	247.50
270.00	-.0619	-.0411	-.0289	-.0529	-.0584	-.0728	-.0727	-.0022	.0183	.0642	-.0500	-.0154	270.00
292.50	-.0432	-.0294	-.0327	-.0620	-.0626	-.0865	-.0696	-.0057	.0329	.0725	.0712	.0280	292.50
315.00	-.0440	-.0326	-.0333	-.0679	-.0688	-.0797	-.0667	-.0140	.0249	.0595	.0560	.0448	315.00
337.50	-.0423	-.0292	-.0314	-.0705	-.0806	-.0780	-.0688	-.0286	.0194	.0618	.0593	.0463	337.50

TABLE VI.- Continued

(b) $M_{\infty} = 2.3$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.2727	.2236	.1311	.0618	.0019	-.0114	-.0053	-.0039	-.0020	.0059	.0896	.0957	0.00
22.50	.2672	.2132	.1269	.0585	-.0035	-.0145	-.0114	-.0094	-.0065	.0017	.0856	.0937	22.50
45.00	.2527	.1957	.1128	.0461	-.0114	-.0237	-.0196	-.0177	-.0149	-.0048	.0782	.0856	45.00
67.50	.2299	.1788	.0930	.0306	-.0233	-.0356	-.0298	-.0256	-.0249	-.0147	.0743	.0762	67.50
90.00	.2015	.1484	.0758	.0152	-.0362	-.0462	-.0380	-.0306	-.0268	-.0197	.0742	.0700	90.00
112.50	.1721	.1344	.0594	.0017	-.0461	-.0521	-.0396	-.0280	-.0218	-.0180	.0812	.0703	112.50
135.00	.1547	.1181	.0474	-.0070	-.0511	-.0529	-.0358	-.0201	-.0151	-.0111	.0857	.0857	135.00
157.50	.1535	.1112	.0421	-.0085	-.0483	-.0497	-.0335	-.0173	-.0095	-.0045	.0896	.0818	157.50
180.00	.1474	.1053	.0415	-.0091	-.0477	-.0496	-.0297		-.0065	-.0006	.0903	.0826	180.00
202.50	.1523	.1118	.0445	-.0076	-.0470	-.0516	-.0330	-.0191	-.0103	-.0039	.0838	.0784	202.50
225.00	.1631	.1213	.0521	-.0034	-.0452	-.0514	-.0353	-.0242	-.0164	-.0090	.0824	.0740	225.00
247.50	.1793	.1371	.0620	.0038	-.0425	-.0485	-.0371	-.0290	-.0230	-.0163	.0797	.0691	247.50
270.00	.2028	.1572	.0786	.0149	-.0343	-.0418	-.0341	-.0286	-.0253	-.0184	.0737	.0686	270.00
292.50	.2277	.1807	.0967	.0297	-.0235	-.0315	-.0264	-.0239	-.0211	-.0125	.0699	.0741	292.50
315.00	.2525	.2013	.1143	.0453	-.0109	-.0218	-.0177	-.0149	-.0125	-.0022	.0776	.0845	315.00
337.50		.2197	.1259	.0575	-.0013	-.0137	-.0106	-.0078	-.0049	.0048	.0868	.0933	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.2008	.1570	.0796	.0197	-.0315	-.0398	-.0268	-.0193	-.0138	-.0035	.0774	.0739	0.00
22.50	.2002	.1534	.0799	.0196	-.0328	-.0408	-.0299	-.0216	-.0151	.0043	.0575	.0767	22.50
45.00	.2010	.1507	.0789	.0190	-.0315	-.0404	-.0302	-.0218	-.0152	.0090	.0364	.0752	45.00
67.50	.2023	.1548	.0771	.0188	-.0310	-.0400	-.0297	-.0218	-.0157	.0111	.0275	.0682	67.50
90.00	.2006	.1468	.0772	.0190	-.0317	-.0401	-.0294	-.0212	-.0159	.0119	.0267	.0664	90.00
112.50	.1915	.1551	.0753	.0177	-.0328	-.0404	-.0291	-.0208	-.0160	.0113	.0294	.0672	112.50
135.00	.1915	.1536	.0747	.0166	-.0338	-.0406	-.0287	-.0205	-.0154	.0102	.0364	.0735	135.00
157.50	.2043	.1563	.0756	.0183	-.0321	-.0394	-.0292	-.0211	-.0143	.0067	.0500	.0793	157.50
180.00	.2028	.1538	.0790	.0182	-.0322	-.0394	-.0280		-.0147	-.0002	.0731	.0776	180.00
202.50	.2063	.1600	.0800	.0190	-.0312	-.0400	-.0278	-.0201	-.0146	-.0087	.0889	.0763	202.50
225.00	.2080	.1608	.0810	.0193	-.0308	-.0393	-.0264	-.0195	-.0146	-.0104	.0844	.0770	225.00
247.50	.2078	.1622	.0811	.0205	-.0303	-.0381	-.0268	-.0199	-.0150	-.0114	.0805	.0735	247.50
270.00	.2083	.1610	.0820	.0205	-.0301	-.0374	-.0266	-.0187	-.0143	-.0102	.0785	.0731	270.00
292.50	.2066	.1610	.0816	.0198	-.0312	-.0381	-.0256	-.0195	-.0145	-.0106	.0792	.0729	292.50
315.00	.2068	.1590	.0810	.0199	-.0319	-.0400	-.0283	-.0200	-.0155	-.0109	.0812	.0750	315.00
337.50		.1602	.0800	.0203	-.0323	-.0399	-.0293	-.0201	-.0142	-.0087	.0853	.0760	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.1444	.1063	.0411	-.0106	-.0507	-.0521	-.0312	-.0180	-.0099	-.0047	.0798	.0714	0.00
22.50	.1462	.1059	.0422	-.0108	-.0525	-.0535	-.0362	-.0222	-.0118	-.0073	.0814	.0715	22.50
45.00	.1566	.1129	.0475	-.0075	-.0503	-.0554	-.0403	-.0272	-.0169	-.0128	.0777	.0704	45.00
67.50	.1741	.1302	.0561	-.0001	-.0468	-.0545	-.0428	-.0338	-.0245	-.0204	.0759	.0653	67.50
90.00	.1958	.1407	.0722	.0124	-.0405	-.0508	-.0417	-.0354	-.0303	-.0239	.0693	.0635	90.00
112.50	.2104	.1758	.0897	.0265	-.0306	-.0413	-.0335	-.0298	-.0280	-.0185	.0671	.0682	112.50
135.00	.2341	.1955	.1075	.0399	.0202	-.0290	-.0234	-.0211	-.0187	-.0096	.0729	.0729	135.00
157.50	.2726	.2170	.1219	.0537	-.0070	-.0180	-.0152	-.0136	-.0101	-.0037	.0806	.0886	157.50
180.00	.2772	.2195	.1316	.0583	-.0022	-.0142	-.0091		-.0074	-.0003	.0862	.0908	180.00
202.50	.2764	.2224	.1285	.0560	-.0046	-.0182	-.0115	-.0101	-.0090	-.0007	.0840	.0871	202.50
225.00	.2593	.2067	.1161	.0449	-.0138	-.0263	-.0197	-.0175	-.0170	-.0064	.0705	.0768	225.00
247.50	.2327	.1847	.0978	.0294	-.0265	-.0383	-.0305	-.0275	-.0258	-.0160	.0600	.0668	247.50
270.00	.2059	.1592	.0795	.0128	-.0388	-.0476	-.0392	-.0348	-.0308	-.0232	.0643	.0613	270.00
292.50	.1771	.1369	.0626	-.0008	-.0480	-.0542	-.0423	-.0353	-.0278	-.0202	.0734	.0607	292.50
315.00	.1619	.1195	.0515	-.0086	-.0505	-.0559	-.0400	-.0292	-.0205	-.0127	.0763	.0658	315.00
337.50		.1111	.0422	-.0124	-.0507	-.0549	-.0363	-.0232	-.0134	-.0068	.0751	.0694	337.50

TABLE VI.- Continued

(b) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0957	.0625	.0089	-.0314	-.0596	-.0574	-.0299	-.0158	-.0089	-.0045	.0915	.0785	0.00
22.50	.0969	.0615	.0070	-.0336	-.0669	-.0636	-.0391	-.0244	-.0187	-.0173	.0575	.0492	22.50
45.00	.1086	.0683	.0089	-.0376	-.0717	-.0776	-.0576	-.0399	-.0282	-.0240	.0557	.0459	45.00
67.50	.1379	.0946	.0229	-.0309	-.0733	-.0847	-.0785	-.0720	-.0572	-.0466	.0472	.0324	67.50
90.00	.1812	.1227	.0544	-.0075	-.0617	-.0758	-.0759	-.0790	-.0604	-.0797	.0034	.0134	90.00
112.50	.2243	.1895	.0965	.0271	-.0346	-.0506	-.0495	-.0530	-.0578	-.0626	.0191	.0215	112.50
135.00	.2796	.2388	.1413	.0651	-.0045	-.0179	-.0176	-.0199	-.0242	-.0306	.0686		135.00
157.50	.3481	.2851	.1748	.0981	.0291	.0089	.0083	.0062	.0049	.0010	.1070	.1077	157.50
180.00	.3619	.2976	.1952	.1114	.0379	.0198	.0218		.0167	.0159	.1241	.1204	180.00
202.50	.3559	.2967	.1876	.1029	.0322	.0116	.0127	.0107	.0072	.0064	.1122	.1069	202.50
225.00	.3133	.2567	.1549	.0725	.0069	-.0117	-.0110	-.0136	-.0194	-.0214	.0723	.0704	225.00
247.50	.2523	.2016	.1080	.0327	-.0280	-.0445	-.0436	-.0487	-.0545	-.0576	.0216	.0224	247.50
270.00	.1940	.1453	.0633	-.0040	-.0574	-.0701	-.0729	-.0782	-.0818	-.0790	-.0045	.0061	270.00
292.50	.1416	.1003	.0283	-.0307	-.0751	-.0847	-.0819	-.0776	-.0642	-.0493	.0397	.0279	292.50
315.00	.1128	.0737	.0116	-.0389	-.0731	-.0788	-.0611	-.0426	-.0308	-.0232	.0551	.0442	315.00
337.50		.0649	.0057	-.0354	-.0625	-.0654	-.0400	-.0255	-.0183	-.0156	.0550	.0500	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0564	.0295	-.0133	-.0416	-.0639	-.0605	-.0323	-.0167	-.0083	-.0054	.1026	.0975	0.00
22.50	.0543	.0252	-.0195	-.0496	-.0750	-.0720	-.0521	-.0461	-.0503	-.0582	.0054	-.0067	22.50
45.00	.0579	.0229	-.0301	-.0698	-.1005	-.1027	-.0810	-.0635	-.0602	-.0709	-.0180	-.0183	45.00
67.50	.0890	.0479	-.0204	-.0717	-.1180	-.1324	-.1431	-.1410	-.1246	-.0935	-.0345	-.0085	67.50
90.00	.1547	.0960	.0298	-.0325	-.0901	-.1064	-.1179	-.1298	-.1380	-.1359	-.0920	-.0877	90.00
112.50	.2335	.1997	.1015	.0290	-.0386	-.0560	-.0625	-.0717	-.0793	-.0883	-.0172	-.0123	112.50
135.00	.3295	.2877	.1800	.0970	.0171	.0039	-.0022	-.0077	-.0156	-.0243	.0756		135.00
157.50	.4378	.3674	.2421	.1546	.0690	.0518	.0438	.0408	.0368	.0316	.1444	.1503	157.50
180.00	.4618	.3894	.2748	.1761	.0879	.0697	.0671		.0577	.0560	.1749	.1756	180.00
202.50	.4456	.3795	.2579	.1596	.0746	.0533	.0509	.0468	.0409	.0384	.1536	.1522	202.50
225.00	.3718	.3090	.1958	.1067	.0293	.0104	.0059	-.0005	-.0074	-.0124	.0844	.0849	225.00
247.50	.2683	.2164	.1158	.0374	-.0307	-.0471	-.0547	-.0648	-.0725	-.0795	-.0075	-.0059	247.50
270.00	.1707	.1227	.0411	-.0281	-.0852	-.0982	-.1124	-.1240	-.1332	-.1365	-.0898	-.0876	270.00
292.50	.0941	.0559	-.0130	-.0726	-.1198	-.1317	-.1445	-.1498	-.1352	-.0965	-.0302	-.0113	292.50
315.00	.0613	.0269	-.0300	-.0746	-.1055	-.1082	-.0879	-.0748	-.0617	-.0694	-.0200	-.0249	315.00
337.50		.0265	-.0216	-.0528	-.0746	-.0741	-.0545	-.0472	-.0495	-.0593	.0003	-.0145	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0274	.0064	-.0291	-.0522	-.0714	-.0679	-.0396	-.0191	-.0169	-.0454	.0344	.0278	0.00
22.50	.0214	-.0051	-.0492	-.0670	-.0892	-.0878	-.0863	-.1097	-.1347	-.1318	-.0689	-.0745	22.50
45.00	.0107	-.0190	-.0714	-.1145	-.1405	-.1518	-.1505	-.1452	-.1442	-.1410	-.0845	-.0691	45.00
67.50	.0379	-.0003	-.0654	-.1188	-.1632	-.1793	-.1586	-.1420	-.1133	-.1092	-.0628	-.0377	67.50
90.00	.1291	.0710	.0083	-.0553	-.1105	-.1280	-.1400	-.1496	-.1501	-.1241	-.0957	-.0989	90.00
112.50	.2452	.2135	.1128	.0360	-.0348	-.0542	-.0615	-.0709	-.0791	-.0875	-.0389	-.0117	112.50
135.00	.3821	.3408	.2274	.1368	.0469	.0317	.0240	.0185	.0089	-.0009	.1065		135.00
157.50	.5300	.4560	.3184	.2215	.1211	.1016	.0923	.0888	.0826	.0780	.2035	.2082	157.50
180.00	.5665	.4910	.3651	.2544	.1502	.1286	.1251		.1113	.1105	.2437	.2450	180.00
202.50	.5396	.4706	.3369	.2276	.1275	.1030	.1006	.0948	.0866	.0843	.2121	.2109	202.50
225.00	.4340	.3671	.2461	.1485	.0606	.0390	.0338	.0259	.0185	.0120	.1157	.1181	225.00
247.50	.2859	.2319	.1294	.0464	-.0254	-.0431	-.0525	-.0634	-.0713	-.0792	-.0085	-.0045	247.50
270.00	.1483	.0994	.0189	-.0490	-.1043	-.1190	-.1334	-.1431	-.1474	-.1225	-.0986	-.1027	270.00
292.50	.0439	.0047	-.0570	-.1175	-.1605	-.1752	-.1602	-.1465	-.1203	-.1062	-.0616	-.0343	292.50
315.00	.0126	-.0193	-.0726	-.1206	-.1494	-.1563	-.1538	-.1422	-.1384	-.1333	-.0858	-.0772	315.00
337.50		-.0074	-.0526	-.0717	-.0916	-.0914	-.0927	-.1222	-.1442	-.1403	-.0807	-.0852	337.50

TABLE VI.- Continued

(b) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0061	-.0124	-.0411	-.0639	-.0860	-.0868	-.0667	-.0832	-.1017	-.1084	-.0293	-.0233	0.00
22.50	-.0209	-.0519	-.0954	-.1143	-.1451	-.1629	-.1822	-.1786	-.1652	-.1427	-.0761	-.0783	22.50
45.00	-.0325	-.0591	-.1057	-.1443	-.1680	-.1705	-.1609	-.1512	-.1573	-.1336	-.0778	-.0917	45.00
67.50	-.0173	-.0529	-.1085	-.1516	-.1832	-.1728	-.1567	-.1399	-.1244	-.1220	-.0780	-.0435	67.50
90.00	.1059	.0488	-.0089	-.0693	-.1222	-.1373	-.1477	-.1555	-.1441	-.1294	-.1109	-.1208	90.00
112.50	.2601	.2306	.1281	.0494	-.0238	-.0434	-.0518	-.0602	-.0686	-.0778	-.0603	.0021	112.50
135.00	.4384	.3970	.2812	.1829	.0843	.0694	.0600	.0539	.0439	.0333	.1496	.2806	135.00
157.50	.6313	.5508	.4046	.2974	.1848	.1638	.1518	.1472	.1394	.1360	.2770	.2806	157.50
180.00	.6831	.5999	.4676	.3425	.2245	.2008	.1945	.1872	.1772	.1782	.3272	.3294	180.00
202.50	.6418	.5653	.4261	.3036	.1921	.1652	.1610	.1535	.1432	.1426	.2842	.2843	202.50
225.00	.4996	.4277	.3033	.1968	.1012	.0776	.0701	.0613	.0533	.0463	.1597	.1624	225.00
247.50	.3087	.2495	.1468	.0612	-.0121	-.0307	-.0423	-.0531	-.0604	-.0681	.0032	.0095	247.50
270.00	.1256	.0816	.0056	-.0605	-.1151	-.1257	-.1393	-.1493	-.1443	-.1275	-.1109	-.1176	270.00
292.50	-.0077	-.0437	-.1065	-.1513	-.1822	-.1704	-.1544	-.1397	-.1325	-.1195	-.0748	-.0456	292.50
315.00	-.0354	-.0618	-.1085	-.1487	-.1680	-.1703	-.1594	-.1439	-.1448	-.1280	-.0721	-.0914	315.00
337.50	-.0502	-.0940	-.1247	-.1501	-.1746	-.1691	-.1614	-.1645	-.1385	-.0750	-.0817	-.0817	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0121	-.0265	-.0597	-.0885	-.1221	-.1323	-.1333	-.1273	-.1305	-.1230	-.0509	-.0452	0.00
22.50	-.0764	-.1035	-.1383	-.1645	-.1820	-.1801	-.1716	-.1623	-.1524	-.1453	-.1008	-.1063	22.50
45.00	-.0757	-.1017	-.1375	-.1559	-.1738	-.1729	-.1588	-.1572	-.1443	-.1424	-.0962	-.1214	45.00
67.50	-.0593	-.0898	-.1362	-.1659	-.1790	-.1733	-.1599	-.1510	-.1428	-.1362	-.0897	-.0871	67.50
90.00	.0896	.0370	-.0205	-.0730	-.1245	-.1392	-.1490	-.1575	-.1596	-.1484	-.1271	-.1238	90.00
112.50	.2763	.2486	.1438	.0690	-.0062	-.0279	-.0364	-.0441	-.0523	-.0584	.0198	.0232	112.50
135.00	.4946	.4560	.3365	.2366	.1276	.1150	.1038	.0983	.0870	.0772	.2043	.3646	135.00
157.50	.7332	.6499	.4954	.3834	.2581	.2368	.2209	.2168	.2080	.2047	.3646	.3678	157.50
180.00	.7987	.7130	.5743	.4410	.3104	.2839	.2752	.2752	.2575	.2572	.4263	.4276	180.00
202.50	.7445	.6676	.5211	.3905	.2677	.2376	.2282	.2211	.2098	.2160	.3668	.3672	202.50
225.00	.5629	.4930	.3634	.2521	.1487	.1235	.1136	.1041	.0944	.0900	.2113	.2146	225.00
247.50	.3295	.2708	.1669	.0820	.0058	-.0131	-.0251	-.0366	-.0456	-.0510	.0267	.0319	247.50
270.00	.1086	.0681	-.0035	-.0651	-.1151	-.1283	-.1401	-.1487	-.1535	-.1475	-.1239	-.1181	270.00
292.50	-.0470	-.0751	-.1228	-.1651	-.1819	-.1724	-.1614	-.1515	-.1441	-.1354	-.0934	-.1160	292.50
315.00	-.0786	-.1004	-.1368	-.1585	-.1733	-.1714	-.1610	-.1509	-.1434	-.1465	-.0950	-.1219	315.00
337.50	-.1048	-.1372	-.1699	-.1840	-.1840	-.1845	-.1735	-.1642	-.1538	-.1461	-.1053	-.1131	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0380	-.0554	-.0869	-.1235	-.1554	-.1608	-.1495	-.1378	-.1400	-.1280	-.0531	-.0511	0.00
22.50	-.1165	-.1335	-.1593	-.1719	-.1839	-.1856	-.1765	-.1751	-.1694	-.1629	-.1282	-.1399	22.50
45.00	-.1135	-.1330	-.1566	-.1673	-.1796	-.1821	-.1732	-.1662	-.1599	-.1566	-.1075	-.1353	45.00
67.50	-.0866	-.1105	-.1513	-.1754	-.1866	-.1832	-.1701	-.1633	-.1568	-.1513	-.1096	-.1326	67.50
90.00	.0765	.0254	-.0244	-.0745	-.1223	-.1378	-.1470	-.1547	-.1577	-.1609	-.1212	-.1192	90.00
112.50	.2941	.2678	.1651	.0898	.0117	-.0074	-.0149	-.0237	-.0302	-.0366	.0473	.0500	112.50
135.00	.5545	.5155	.3918	.2918	.1678	.1673	.1544	.1502	.1356	.1237	.2664	.4655	135.00
157.50	.8413	.7503	.5805	.4784	.3408	.3220	.2940	.2964	.2872	.2826	.4637	.4655	157.50
180.00	.9216	.8223	.6875	.5502	.4073	.3816	.3668	.3668	.3492	.3485	.5406	.5372	180.00
202.50	.8553	.7732	.6268	.4877	.3516	.3230	.3109	.3029	.2899	.2910	.4671	.4640	202.50
225.00	.6316	.5582	.4269	.3133	.2026	.1764	.1646	.1540	.1434	.1404	.2728	.2746	225.00
247.50	.3521	.2948	.1888	.1064	.0287	.0085	-.0050	-.0160	-.0226	-.0290	.0533	.0578	247.50
270.00	.1046	.0609	-.0083	-.0663	-.1134	-.1249	-.1384	-.1458	-.1497	-.1543	-.1167	-.1114	270.00
292.50	-.0726	-.0977	-.1389	-.1754	-.1885	-.1800	-.1683	-.1624	-.1572	-.1485	-.1114	-.1296	292.50
315.00	-.1134	-.1321	-.1577	-.1716	-.1810	-.1809	-.1730	-.1658	-.1592	-.1539	-.1078	-.1333	315.00
337.50	-.1364	-.1634	-.1792	-.1854	-.1870	-.1780	-.1768	-.1768	-.1693	-.1615	-.1304	-.1412	337.50

TABLE VI.- Continued

(b) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0643	-.0792	-.1131	-.1419	-.1690	-.1678	-.1539	-.1488	-.1521	-.1462	-.0954	-.1013	0.00
22.50	-.1415	-.1551	-.1743	-.1811	-.1939	-.1935	-.1858	-.1842	-.1810	-.1785	-.1458	-.1535	22.50
45.00	-.1403	-.1541	-.1719	-.1782	-.1908	-.1923	-.1849	-.1771	-.1711	-.1680	-.1266	-.1401	45.00
67.50	-.1054	-.1269	-.1610	-.1823	-.2011	-.1954	-.1831	-.1767	-.1678	-.1610	-.1385	-.1448	67.50
90.00	.0685	.0206	-.0262	-.0730	-.1201	-.1337	-.1418	-.1495	-.1512	-.1545	-.1133	-.1101	90.00
112.50	.3134	.2910	.1872	.1139	.0349	.0190	.0104	.0021	-.0024	-.0103	.0804	.0837	112.50
135.00	.6117	.5792	.4555	.3538	.2216	.2245	.2116	.2079	.1926	.1794	.3371		135.00
157.50	.9506	.8567	.6827	.5746	.4313	.4122	.3812	.3844	.3770	.3707	.5745	.5714	157.50
180.00	1.0477	.9527	.8060	.6600	.5129	.4841	.4693		.4531	.4502	.6687	.6601	180.00
202.50	.9657	.8808	.7268	.5825	.4434	.4099	.3985	.3901	.3786	.3785	.5761	.5715	202.50
225.00	.7005	.6263	.4933	.3738	.2608	.2334	.2213	.2102	.1987	.1976	.3440	.3490	225.00
247.50	.3747	.3187	.2150	.1298	.0530	.0319	.0185	.0089	.0016	-.0039	.0879	.0921	247.50
270.00	.0974	.0565	-.0059	-.0646	-.1100	-.1204	-.1334	-.1388	-.1433	-.1477	-.1054	-.0992	270.00
292.50	-.0895	-.1101	-.1460	-.1816	-.2017	-.1929	-.1820	-.1751	-.1675	-.1577	-.1350	-.1405	292.50
315.00	-.1400	-.1533	-.1700	-.1834	-.1928	-.1922	-.1854	-.1772	-.1712	-.1641	-.1224	-.1358	315.00
337.50		-.1575	-.1772	-.1886	-.1944	-.1951	-.1881	-.1866	-.1824	-.1764	-.1444	-.1509	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0813	-.0979	-.1283	-.1533	-.1747	-.1729	-.1624	-.1639	-.1703	-.1719	-.1331	-.1363	0.00
22.50	-.1583	-.1706	-.1844	-.1901	-.2025	-.2016	-.1936	-.1925	-.1912	-.1852	-.1545	-.1625	22.50
45.00	-.1618	-.1715	-.1850	-.1880	-.1999	-.2016	-.1924	-.1849	-.1800	-.1759	-.1487	-.1605	45.00
67.50	-.1202	-.1382	-.1694	-.1871	-.2106	-.2097	-.1933	-.1851	-.1773	-.1702	-.1551	-.1603	67.50
90.00	.0616	.0192	-.0259	-.0700	-.1155	-.1289	-.1350	-.1418	-.1436	-.1450	-.1016	-.0991	90.00
112.50	.3313	.3136	.2105	.1390	.0605	.0405	.0387	.0318	.0276	.0265	.1190	.1219	112.50
135.00	.6693	.6417	.5203	.4167	.2830	.2850	.2745	.2713	.2579	.2432	.4186		135.00
157.50	1.0598	.9650	.7909	.6736	.5309	.5078	.4790	.4825	.4754	.4702	.6994	.6900	157.50
180.00	1.1760	1.0809	.9308	.7771	.6300	.5951	.5820		.5670	.5602	.8062	.7906	180.00
202.50	1.0771	.9918	.8349	.6833	.5454	.5070	.4962	.4895	.4778	.4766	.7023	.6879	202.50
225.00	.7701	.6953	.5613	.4381	.3233	.2932	.2847	.2737	.2629	.2660	.4300	.4301	225.00
247.50	.3984	.3440	.2466	.1567	.0798	.0570	.0467	.0367	.0302	.0294	.1278	.1304	247.50
270.00	.0921	.0533	-.0056	-.0600	-.1047	-.1156	-.1260	-.1317	-.1347	-.1369	-.0930	-.0886	270.00
292.50	-.0980	-.1196	-.1535	-.1852	-.2064	-.2053	-.1941	-.1855	-.1762	-.1651	-.1517	-.1558	292.50
315.00	-.1606	-.1710	-.1833	-.1933	-.2004	-.2014	-.1929	-.1855	-.1783	-.1710	-.1456	-.1562	315.00
337.50		-.1687	-.1888	-.1976	-.2036	-.2033	-.1953	-.1938	-.1904	-.1821	-.1520	-.1611	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1027	-.1152	-.1423	-.1606	-.1831	-.1762	-.1729	-.1851	-.1860	-.1858	-.1567	-.1575	0.00
22.50	-.1720	-.1826	-.1944	-.1978	-.2110	-.2061	-.1961	-.1997	-.1948	-.1911	-.1650	-.1743	22.50
45.00	-.1761	-.1839	-.1942	-.1944	-.2079	-.2049	-.1954	-.1917	-.1878	-.1849	-.1653	-.1772	45.00
67.50	-.1308	-.1472	-.1752	-.1890	-.2151	-.2150	-.1988	-.1919	-.1874	-.1813	-.1717	-.1768	67.50
90.00	.0569	.0183	-.0236	-.0653	-.1113	-.1222	-.1276	-.1340	-.1333	-.1341	-.0880	-.0863	90.00
112.50	.3491	.3352	.2361	.1659	.0884	.0677	.0693	.0615	.0578	.0550	.1645	.1606	112.50
135.00	.7223	.7004	.5877	.4813	.3498	.3510	.3412	.3365	.3260	.3142	.5097		135.00
157.50	1.1582	1.0670	.8961	.7732	.6300	.6068	.5823	.5836	.5844	.5758	.8300	.8123	157.50
180.00	1.2918	1.2010	1.0481	.8938	.7428	.7031	.6963		.6849	.6784	.9488	.9252	180.00
202.50	1.1815	1.0976	.9386	.7866	.6456	.6058	.5936	.5859	.5796	.5790	.8265	.8025	202.50
225.00	.8396	.7622	.6258	.5031	.3851	.3581	.3469	.3356	.3303	.3326	.5190	.5071	225.00
247.50	.4226	.3670	.2655	.1831	.1057	.0870	.0754	.0653	.0642	.0641	.1731	.1708	247.50
270.00	.0892	.0527	-.0045	-.0565	-.1004	-.1065	-.1171	-.1232	-.1233	-.1233	-.0778	-.0739	270.00
292.50	-.1101	-.1296	-.1579	-.1877	-.2085	-.2071	-.1980	-.1872	-.1812	-.1768	-.1686	-.1703	292.50
315.00	-.1741	-.1831	-.1919	-.2006	-.2074	-.2044	-.1978	-.1904	-.1853	-.1808	-.1626	-.1751	315.00
337.50		-.1811	-.1984	-.2052	-.2107	-.2080	-.2020	-.1988	-.1939	-.1874	-.1635	-.1751	337.50

TABLE VI.- Continued

(b) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1182	-.1243	-.1521	-.1721	-.1907	-.1868	-.1904	-.1994	-.1995	-.1969	-.1709	-.1788	0.00
22.50	-.1851	-.1902	-.2027	-.2030	-.2137	-.2132	-.2085	-.2043	-.2012	-.1973	-.1762	-.1837	22.50
45.00	-.1898	-.1966	-.2026	-.2001	-.2100	-.2107	-.2069	-.2014	-.1965	-.1930	-.1803	-.1841	45.00
67.50	-.1405	-.1553	-.1801	-.1917	-.2148	-.2148	-.2195	-.2142	-.2067	-.1983	-.1921	-.1944	67.50
90.00	.0519	.0160	-.0217	-.0617	-.1026	-.1153	-.1195	-.1246	-.1224	-.1220	-.0694	-.0734	90.00
112.50	.3652	.3525	.2597	.1915	.1156	.0994	.1010	.0939	.0898	.0878	.2077	.1956	112.50
135.00	.7738	.7532	.6498	.5453	.4134	.4182	.4049	.4069	.3966	.3841	.5969		135.00
157.50	1.2515	1.1650	.9985	.8793	.7318	.7085	.6858	.6853	.6903	.6792	.9488	.9302	157.50
180.00	1.4029	1.3173	1.1673	1.0154	.8608	.8245	.8188		.8097	.8010	1.0918	1.0682	180.00
202.50	1.2746	1.1955	1.0411	.8910	.7489	.7058	.6984	.6925	.6914	.6862	.9533	.9315	202.50
225.00	.8991	.8250	.6910	.5677	.4496	.4229	.4110	.4075	.4064	.4034	.6085	.5865	225.00
247.50	.4407	.3889	.2907	.2106	.1328	.1128	.1041	.1009	.0965	.0971	.2188	.2107	247.50
270.00	.0852	.0516	-.0023	-.0516	-.0937	-.1003	-.1100	-.1125	-.1113	-.1139	-.0595	-.0588	270.00
292.50	-.1196	-.1362	-.1623	-.1903	-.2095	-.2112	-.1994	-.1906	-.1968	-.1960	-.1939	-.1723	292.50
315.00	-.1846	-.1920	-.2002	-.2074	-.2118	-.2115	-.1981	-.1938	-.1968	-.1957	-.1863	-.1719	315.00
337.50		-.1948	-.2070	-.2127	-.2154	-.2138	-.2030	-.2017	-.2016	-.1977	-.1797	-.1821	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.1553	-.1667	-.1763	-.1909	-.2046	-.1994	-.2034	-.2068	-.2064	-.2042	-.1752	-.1806	0.00
22.50	-.2075	-.2128	-.2164	-.2069	-.2093	-.2109	-.2112	-.2124	-.2120	-.2029	-.1820	-.1765	22.50
45.00	-.2204	-.2205	-.2174	-.2044	-.2023	-.2027	-.2080	-.2135	-.2111	-.1985	-.1838	-.1729	45.00
67.50	-.1496	-.1628	-.1849	-.1935	-.2098	-.2085	-.2134	-.2213	-.2200	-.2031	-.1997	-.1792	67.50
90.00	.0461	.0131	-.0220	-.0575	-.0964	-.1065	-.1116	-.1161	-.1163	-.1127	-.0559	-.0621	90.00
112.50	.3746	.3667	.2790	.2168	.1406	.1277	.1291	.1244	.1195	.1239	.2419	.2340	112.50
135.00	.8288	.8036	.7084	.6113	.4767	.4880	.4748	.4769	.4652	.4533	.6700		135.00
157.50	1.3354	1.2549	1.0999	.9860	.8391	.8212	.7976	.7957	.7964	.7861	1.0644	1.0482	157.50
180.00	1.5012	1.4219	1.2826	1.1375	.9845	.9622	.9467		.9308	.9221	1.2236	1.1984	180.00
202.50	1.3589	1.2833	1.1389	.9947	.8536	.8183	.8115	.8030	.7988	.7932	1.0723	1.0490	202.50
225.00	.9491	.8777	.7517	.6306	.5143	.4922	.4857	.4801	.4759	.4753	.6867	.6617	225.00
247.50	.4516	.4011	.3115	.2334	.1582	.1427	.1397	.1325	.1285	.1335	.2569	.2422	247.50
270.00	.0795	.0465	-.0014	-.0490	-.0851	-.0920	-.0994	-.1031	-.1011	-.1006	-.0437	-.0516	270.00
292.50	-.1282	-.1434	-.1658	-.1927	-.2068	-.2094	-.2124	-.1949	-.1961	-.1960	-.1906	-.1725	292.50
315.00	-.1687	-.1846	-.1977	-.2114	-.2233	-.2264	-.2121	-.1982	-.1981	-.1958	-.1779	-.1688	315.00
337.50		-.1862	-.2043	-.2182	-.2266	-.2268	-.2146	-.2088	-.2024	-.2008	-.1827	-.1709	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.2019	-.1710	-.1927	-.2013	-.2125	-.2008	-.2124	-.2101	-.2030	-.1691	-.1518	-.1487	0.00
22.50	-.1942	-.2120	-.2260	-.2101	-.2182	-.2185	-.2161	-.2156	-.2012	-.1754	-.1524	-.1465	22.50
45.00	-.1828	-.2128	-.2324	-.2057	-.2048	-.2110	-.2186	-.2130	-.1985	-.1770	-.1531	-.1443	45.00
67.50	-.1562	-.1683	-.1894	-.1949	-.2132	-.2167	-.2206	-.2207	-.2054	-.1735	-.1546	-.1423	67.50
90.00	.0385	.0085	-.0218	-.0535	-.0920	-.0991	-.1041	-.1076	-.1045	-.0979	-.0486	-.0486	90.00
112.50	.3781	.3760	.2974	.2403	.1658	.1577	.1622	.1568	.1555	.1563	.2646	.2649	112.50
135.00	.8725	.8467	.7609	.6680	.5385	.5559	.5431	.5459	.5342	.5193	.7200		135.00
157.50	1.3998	1.3283	1.1877	1.0816	.9404	.9382	.9102	.9035	.9010	.8948	1.1555	1.1600	157.50
180.00	1.5785	1.5106	1.3843	1.2497	1.1017	1.0967	1.0758		1.0511	1.0488	1.3323	1.3058	180.00
202.50	1.4243	1.3562	1.2254	1.0904	.9555	.9407	.9213	.9111	.9059	.9051	1.1664	1.1545	202.50
225.00	.9836	.9193	.8039	.6906	.5829	.5691	.5549	.5497	.5507	.5484	.7424	.7347	225.00
247.50	.4544	.4107	.3261	.2579	.1879	.1783	.1699	.1649	.1610	.1668	.2797	.2778	247.50
270.00	.0715	.0418	-.0041	-.0445	-.0788	-.0823	-.0917	-.0932	-.0915	-.0907	-.0375	-.0386	270.00
292.50	-.1371	-.1493	-.1764	-.1938	-.2088	-.2067	-.2110	-.2001	-.1892	-.1706	-.1549	-.1411	292.50
315.00	-.2212	-.2042	-.1972	-.2194	-.2325	-.2265	-.2089	-.2005	-.1931	-.1764	-.1533	-.1443	315.00
337.50		-.2034	-.2076	-.2267	-.2328	-.2262	-.2181	-.2072	-.2000	-.1727	-.1519	-.1460	337.50

TABLE VI.- Continued

(b) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1749	-.2005	-.1960	-.2039	-.2110	-.2016	-.2072	-.1956	-.1729	-.1612	-.1576	-.1530	0.00
22.50	-.2114	-.2044	-.2253	-.2215	-.2226	-.2192	-.2000	-.1962	-.1732	-.1602	-.1573	-.1545	22.50
45.00	-.2195	-.1962	-.2228	-.2243	-.2145	-.2113	-.1981	-.1950	-.1678	-.1587	-.1566	-.1525	45.00
67.50	-.1643	-.1730	-.1929	-.1975	-.2142	-.2177	-.2052	-.1988	-.1651	-.1580	-.1585	-.1514	67.50
90.00	.0323	.0032	-.0240	-.0532	-.0864	-.0913	-.0950	-.0959	-.0938	-.0840	-.0456	-.0459	90.00
112.50	.3814	.3833	.3058	.2568	.1880	.1860	.1865	.1865	.1811	.2003	.2826	.2788	112.50
135.00	.9138	.8871	.8074	.7229	.5959	.6192	.6081	.6116	.5975	.6144	.7721	.7721	135.00
157.50	1.4550	1.3893	1.2638	1.1670	1.0340	1.0369	1.0111	1.0095	1.0037	1.0418	1.2374	1.2116	157.50
180.00	1.6413	1.5811	1.4739	1.3506	1.2118	1.2085	1.1945		1.1734	1.2148	1.4305	1.3732	180.00
202.50	1.4767	1.4127	1.2982	1.1774	1.0536	1.0471	1.0303	1.0251	1.0097	1.0517	1.2483	1.2120	202.50
225.00	1.0090	.9468	.8463	.7444	.6439	.6275	.6260	.6217	.6141	.6423	.7937	.7711	225.00
247.50	.4520	.4136	.3431	.2796	.2123	.2059	.2001	.1974	.1895	.2146	.2973	.2913	247.50
270.00	.0624	.0339	-.0019	-.0407	-.0722	-.0753	-.0831	-.0833	-.0820	-.0743	-.0362	-.0376	270.00
292.50	-.1452	-.1548	-.1721	-.1947	-.2067	-.2069	-.2116	-.2119	-.2164	-.2154	-.2153	-.2142	292.50
315.00	-.1998	-.2284	-.2122	-.2085	-.2251	-.2249	-.2112	-.1871	-.1655	-.1564	-.1536	-.1507	315.00
337.50		-.2310	-.2194	-.2203	-.2289	-.2256	-.2136	-.1933	-.1667	-.1592	-.1593	-.1528	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1913	-.1993	-.1978	-.2017	-.1932	-.1834	-.1877	-.1794	-.1742	-.1694	-.1504	-.1525	0.00
22.50	-.2236	-.2270	-.2166	-.2156	-.2038	-.1946	-.1844	-.1757	-.1728	-.1685	-.1557	-.1530	22.50
45.00	-.2237	-.2341	-.2130	-.2137	-.2010	-.1910	-.1781	-.1715	-.1718	-.1652	-.1542	-.1515	45.00
67.50	-.1714	-.1802	-.1955	-.1986	-.2096	-.1959	-.1769	-.1724	-.1734	-.1648	-.1536	-.1511	67.50
90.00	.0245	-.0026	-.0259	-.0512	-.0805	-.0841	-.0877	-.0878	-.0829	-.0603	-.0443	-.0517	90.00
112.50	.3778	.3838	.3181	.2711	.2088	.2091	.2127	.2159	.2157	.2576	.2976	.2782	112.50
135.00	.9327	.9077	.8427	.7672	.6496	.6760	.6672	.6761	.6645	.7110	.8082	.8082	135.00
157.50	1.4913	1.4300	1.3263	1.2417	1.1257	1.1372	1.1078	1.1063	1.0989	1.1764	1.2876	1.2300	157.50
180.00	1.6871	1.6359	1.5523	1.4453	1.3246	1.3155	1.3047		1.2775	1.3605	1.4863	1.3996	180.00
202.50	1.5191	1.4643	1.3727	1.2614	1.1505	1.1504	1.1240	1.1148	1.1032	1.1829	1.2939	1.2146	202.50
225.00	1.0352	.9819	.8957	.7996	.7045	.6947	.6839	.6779	.6782	.7363	.8201	.7745	225.00
247.50	.4572	.4252	.3600	.2996	.2365	.2333	.2266	.2250	.2209	.2651	.3066	.2869	247.50
270.00	.0592	.0334	-.0013	-.0378	-.0667	-.0669	-.0753	-.0744	-.0714	-.0545	-.0374	-.0419	270.00
292.50	-.1498	-.1586	-.1749	-.1959	-.2057	-.2004	-.1886	-.1778	-.1663	-.1617	-.1523	-.1471	292.50
315.00	-.2067	-.2034	-.2198	-.2078	-.2043	-.1987	-.1875	-.1754	-.1697	-.1633	-.1544	-.1503	315.00
337.50		-.2119	-.2225	-.2093	-.2050	-.1996	-.1882	-.1762	-.1704	-.1671	-.1557	-.1523	337.50

TABLE VI.- Continued

(c) $M_{\infty} = 2.96$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =										THETA, DEG		
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875		.925	.975
0.00	.2467	.2040	.1287	.0653	.0104	.0019	-.0049	-.0055	-.0042	.0057	.0681	.0744	0.00
22.50	.2408	.1942	.1226	.0611	.0044	-.0052	-.0030	-.0023	-.0015	.0029	.0648	.0724	22.50
45.00	.2274	.1777	.1089	.0510	-.0018	-.0123	-.0093	-.0089	-.0078	-.0023	.0568	.0640	45.00
67.50	.2066	.1607	.0894	.0376	-.0112	-.0211	-.0178	-.0166	-.0154	-.0085	.0464	.0559	67.50
90.00	.1820	.1349	.0726	.0240	-.0215	-.0295	-.0253	-.0232	-.0198	-.0147	.0460	.0540	90.00
112.50	.1554	.1207	.0570	.0120	-.0295	-.0357	-.0296	-.0244	-.0188	-.0145	.0581	.0532	112.50
135.00	.1397	.1066	.0463	.0044	-.0343	-.0384	-.0302	-.0210	-.0143	-.0092	.0599		135.00
157.50	.1355	.0989	.0406	.0005	-.0352	-.0377	-.0289	-.0198	-.0097	-.0037	.0628	.0637	157.50
180.00	.1318	.0954	.0398	-.0003	-.0346	-.0375	-.0280		-.0092	-.0021	.0595	.0630	180.00
202.50	.1361	.1009	.0420	-.0002	-.0340	-.0398	-.0286	-.0197	-.0129	-.0048	.0547	.0605	202.50
225.00	.1459	.1095	.0464	.0038	-.0315	-.0387	-.0297	-.0224	-.0168	-.0097	.0531	.0565	225.00
247.50	.1616	.1236	.0590	.0111	-.0275	-.0348	-.0294	-.0244	-.0203	-.0153	.0526	.0493	247.50
270.00	.1833	.1433	.0748	.0213	-.0208	-.0290	-.0251	-.0225	-.0205	-.0134	.0432	.0503	270.00
292.50	.2055	.1646	.0928	.0350	-.0116	-.0202	-.0175	-.0165	-.0152	-.0064	.0462	.0539	292.50
315.00	.2280	.1834	.1105	.0482	-.0013	-.0121	-.0099	-.0089	-.0079	.0000	.0568	.0636	315.00
337.50		.1996	.1226	.0585	.0068	-.0052	-.0035	-.0024	-.0015	.0047	.0655	.0724	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =										THETA, DEG		
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875		.925	.975
0.00	.1872	.1479	.0769	.0271	-.0165	-.0203	-.0143	-.0100	-.0075	.0066	.0288	.0539	0.00
22.50	.1862	.1439	.0768	.0258	-.0198	-.0258	-.0193	-.0142	-.0091	.0119	.0202	.0484	22.50
45.00	.1876	.1421	.0769	.0259	-.0187	-.0256	-.0194	-.0140	-.0085	.0135	.0211	.0476	45.00
67.50	.1893	.1452	.0763	.0263	-.0174	-.0249	-.0189	-.0133	-.0079	.0146	.0234	.0515	67.50
90.00	.1892	.1402	.0771	.0272	-.0170	-.0246	-.0185	-.0129	-.0074	.0157	.0256	.0557	90.00
112.50	.1831	.1473	.0770	.0274	-.0173	-.0243	-.0177	-.0122	-.0076	.0167	.0276	.0588	112.50
135.00	.1839	.1474	.0778	.0269	-.0174	-.0240	-.0170	-.0119	-.0077	.0171	.0311		135.00
157.50	.1946	.1497	.0786	.0275	-.0161	-.0230	-.0168	-.0121	-.0080	.0171	.0283	.0611	157.50
180.00	.1936	.1485	.0809	.0278	-.0150	-.0225	-.0163		-.0085	.0156	.0309	.0630	180.00
202.50	.1968	.1534	.0824	.0276	-.0147	-.0223	-.0166	-.0115	-.0087	.0167	.0464	.0667	202.50
225.00	.1961	.1528	.0825	.0270	-.0151	-.0230	-.0166	-.0117	-.0083	-.0001	.0694	.0659	225.00
247.50	.1947	.1527	.0815	.0271	-.0155	-.0239	-.0170	-.0121	-.0080	-.0035	.0664	.0668	247.50
270.00	.1940	.1520	.0816	.0263	-.0152	-.0240	-.0177	-.0122	-.0081	-.0035	.0609	.0653	270.00
292.50	.1908	.1506	.0804	.0241	-.0169	-.0246	-.0177	-.0131	-.0085	-.0045	.0595	.0642	292.50
315.00	.1907	.1479	.0789	.0235	-.0180	-.0256	-.0192	-.0137	-.0096	-.0045	.0648	.0628	315.00
337.50		.1486	.0770	.0230	-.0184	-.0259	-.0196	-.0146	-.0103	.0033	.0564	.0579	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =										THETA, DEG		
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875		.925	.975
0.00	.1280	.0947	.0411	.0005	-.0308	-.0318	-.0240	-.0142	-.0067	-.0034	.0534	.0590	0.00
22.50	.1287	.0934	.0375	-.0019	-.0357	-.0394	-.0302	-.0196	-.0104	-.0057	.0548	.0588	22.50
45.00	.1393	.1009	.0426	.0009	-.0344	-.0408	-.0329	-.0235	-.0166	-.0123	.0511	.0520	45.00
67.50	.1590	.1193	.0533	.0083	-.0304	-.0386	-.0332	-.0277	-.0226	-.0200	.0447	.0465	67.50
90.00	.1834	.1344	.0714	.0205	-.0225	-.0328	-.0285	-.0254	-.0231	-.0190	.0375	.0463	90.00
112.50	.2023	.1682	.0914	.0349	-.0131	-.0229	-.0193	-.0170	-.0162	-.0117	.0462	.0544	112.50
135.00	.2286	.1909	.1112	.0489	-.0027	-.0118	-.0088	-.0069	-.0060	-.0016	.0644		135.00
157.50	.2644	.2121	.1255	.0614	.0081	-.0027	-.0010	.0009	.0030	.0067	.0768	.0856	157.50
180.00	.2700	.2164	.1342	.0661	.0128	.0006	.0032		.0060	.0101	.0821	.0899	180.00
202.50	.2682	.2170	.1310	.0626	.0104	-.0029	.0001	.0025	.0035	.0081	.0773	.0851	202.50
225.00	.2490	.1994	.1177	.0513	.0013	-.0102	-.0075	-.0053	-.0042	.0007	.0637	.0712	225.00
247.50	.2207	.1752	.0978	.0360	-.0110	-.0211	-.0180	-.0159	-.0146	-.0086	.0466	.0539	247.50
270.00	.1912	.1482	.0768	.0194	-.0223	-.0305	-.0279	-.0243	-.0232	-.0148	.0349	.0439	270.00
292.50	.1623	.1260	.0588	.0068	-.0306	-.0377	-.0332	-.0289	-.0246	-.0181	.0436	.0436	292.50
315.00	.1450	.1060	.0462	-.0006	-.0342	-.0408	-.0336	-.0253	-.0190	-.0107	.0531	.0511	315.00
337.50		.0967	.0386	-.0047	-.0359	-.0415	-.0310	-.0214	-.0123	-.0045	.0511	.0576	337.50

TABLE VI.- Continued

(c) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0829	.0563	.0138	-.0178	-.0395	-.0386	-.0262	-.0159	-.0103	-.0068	.0580	.0584	0.00
22.50	.0824	.0531	.0066	-.0231	-.0493	-.0510	-.0358	-.0246	-.0186	-.0153	.0328	.0366	22.50
45.00	.0947	.0611	.0103	-.0251	-.0555	-.0626	-.0532	-.0423	-.0317	-.0240	.0284	.0259	45.00
67.50	.1250	.0871	.0258	-.0147	-.0541	-.0649	-.0659	-.0687	-.0688	-.0610	-.0248	-.0099	67.50
90.00	.1715	.1219	.0585	.0093	-.0365	-.0501	-.0528	-.0576	-.0625	-.0662	-.0231	-.0183	90.00
112.50	.2194	.1860	.1021	.0424	-.0107	-.0247	-.0260	-.0287	-.0335	-.0356	.0231	.0246	112.50
135.00	.2765	.2377	.1475	.0767	.0164	.0036	.0027	.0012	-.0019	-.0030	.0743		135.00
157.50	.3431	.2840	.1819	.1065	.0403	.0256	.0248	.0237	.0239	.0236	.1120	.1142	157.50
180.00	.3573	.2962	.2002	.1181	.0501	.0340	.0357		.0332	.0346	.1267	.1279	180.00
202.50	.3493	.2921	.1913	.1092	.0447	.0263	.0272	.0264	.0253	.0265	.1138	.1147	202.50
225.00	.3056	.2509	.1581	.0813	.0232	.0071	.0058	.0043	.0027	.0019	.0763	.0782	225.00
247.50	.2432	.1957	.1119	.0449	-.0056	-.0201	-.0230	-.0254	-.0287	-.0310	.0269	.0300	247.50
270.00	.1820	.1385	.0666	.0096	-.0327	-.0456	-.0508	-.0542	-.0593	-.0611	-.0144	-.0156	270.00
292.50	.1292	.0933	.0317	-.0166	-.0540	-.0635	-.0664	-.0687	-.0709	-.0667	-.0263	-.0152	292.50
315.00	.1005	.0682	.0134	-.0279	-.0555	-.0635	-.0565	-.0466	-.0353	-.0237	.0297	.0230	315.00
337.50		.0554	.0064	-.0272	-.0480	-.0533	-.0380	-.0268	-.0195	-.0139	.0318	.0358	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0480	.0265	-.0054	-.0278	-.0431	-.0427	-.0320	-.0232	-.0182	-.0171	.0713	.0663	0.00
22.50	.0433	.0189	-.0182	-.0383	-.0569	-.0592	-.0491	-.0480	-.0587	-.0722	-.0384	-.0437	22.50
45.00	.0490	.0201	-.0235	-.0540	-.0808	-.0896	-.0851	-.0835	-.0833	-.0799	-.0487	-.0419	45.00
67.50	.0850	.0494	-.0063	-.0438	-.0813	-.0961	-.1021	-.0908	-.0828	-.0725	-.0400	-.0390	67.50
90.00	.1534	.1033	.0439	-.0038	-.0505	-.0668	-.0726	-.0711	-.0844	-.0812	-.0524	-.0462	90.00
112.50	.2345	.2015	.1139	.0512	-.0051	-.0235	-.0259	-.0327	-.0384	-.0401	.0194	.0207	112.50
135.00	.3297	.2880	.1900	.1113	.0417	.0262	.0224	.0189	.0142	.0119	.0973		135.00
157.50	.4335	.3657	.2473	.1624	.0846	.0664	.0603	.0586	.0573	.0564	.1597	.1617	157.50
180.00	.4588	.3885	.2767	.1819	.1016	.0815	.0784		.0732	.0745	.1839	.1851	180.00
202.50	.4403	.3757	.2594	.1654	.0885	.0675	.0637	.0615	.0594	.0598	.1620	.1632	202.50
225.00	.3658	.3056	.2034	.1167	.0497	.0313	.0263	.0233	.0196	.0179	.1003	.1035	225.00
247.50	.2637	.2141	.1265	.0547	.0000	-.0159	-.0219	-.0265	-.0314	-.0348	.0247	.0269	247.50
270.00	.1661	.1242	.0539	-.0042	-.0466	-.0591	-.0690	-.0746	-.0805	-.0763	-.0322	-.0444	270.00
292.50	.0900	.0563	.0005	-.0456	-.0805	-.0920	-.1005	-.0892	-.0823	-.0705	-.0393	-.0394	292.50
315.00	.0545	.0234	-.0207	-.0594	-.0849	-.0923	-.0896	-.0873	-.0828	-.0755	-.0466	-.0410	315.00
337.50		.0195	-.0187	-.0443	-.0595	-.0634	-.0524	-.0531	-.0645	-.0753	-.0437	-.0514	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0211	.0047	-.0191	-.0358	-.0527	-.0508	-.0419	-.0421	-.0529	-.0630	-.0090	-.0057	0.00
22.50	.0127	-.0079	-.0393	-.0549	-.0808	-.0861	-.1072	-.1062	-.1013	-.0941	-.0646	-.0623	22.50
45.00	.0060	-.0189	-.0559	-.0778	-.1011	-.1028	-.1015	-.0961	-.0937	-.0849	-.0532	-.0573	45.00
67.50	.0436	.0129	-.0385	-.0667	-.1033	-.1103	-.1039	-.0948	-.0936	-.0799	-.0552	-.0535	67.50
90.00	.1367	.0875	.0334	-.0134	-.0619	-.0748	-.0815	-.0872	-.0965	-.0859	-.0601	-.0589	90.00
112.50	.2519	.2201	.1312	.0652	.0015	-.0144	-.0198	-.0270	-.0339	-.0354	.0223	.0302	112.50
135.00	.3854	.3439	.2389	.1534	.0717	.0570	.0499	.0456	.0389	.0360	.1300		135.00
157.50	.5310	.4573	.3234	.2310	.1383	.1173	.1075	.1047	.1015	.0997	.2178	.2225	157.50
180.00	.5681	.4922	.3656	.2609	.1645	.1399	.1355		.1279	.1256	.2536	.2561	180.00
202.50	.5396	.4707	.3391	.2349	.1437	.1185	.1129	.1087	.1054	.1028	.2213	.2231	202.50
225.00	.4307	.3683	.2551	.1611	.0834	.0635	.0561	.0517	.0458	.0427	.1341	.1378	225.00
247.50	.2890	.2366	.1461	.0700	.0097	-.0046	-.0129	-.0192	-.0232	-.0290	.0312	.0353	247.50
270.00	.1530	.1131	.0456	-.0115	-.0545	-.0646	-.0752	-.0812	-.0846	-.0829	-.0605	-.0522	270.00
292.50	.0533	.0222	-.0289	-.0690	-.1007	-.1063	-.1037	-.0949	-.0888	-.0770	-.0570	-.0571	292.50
315.00	.0094	-.0167	-.0551	-.0856	-.1032	-.1044	-.1013	-.0946	-.0905	-.0805	-.0503	-.0570	315.00
337.50		-.0095	-.0422	-.0638	-.0880	-.0975	-.1123	-.1090	-.1029	-.0917	-.0656	-.0661	337.50

TABLE VI.- Continued

(c) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0013	-.0098	-.0301	-.0507	-.0741	-.0716	-.0804	-.0924	-.0869	-.0875	-.0359	-.0320	0.00
22.50	-.0181	-.0390	-.0710	-.0883	-.1103	-.1091	-.1105	-.1070	-.1030	-.0982	-.0728	-.0727	22.50
45.00	-.0311	-.0502	-.0790	-.0898	-.1097	-.1102	-.1031	-.1023	-.0975	-.0939	-.0653	-.0752	45.00
67.50	.0098	-.0177	-.0608	-.0835	-.1138	-.1167	-.1088	-.1076	-.0961	-.0895	-.0733	-.0717	67.50
90.00	.1247	.0786	.0267	-.0186	-.0653	-.0766	-.0818	-.0897	-.0920	-.0942	-.0648	-.0592	90.00
112.50	.2718	.2412	.1504	.0815	.0158	-.0006	-.0056	-.0134	-.0183	-.0221	.0429	.0488	112.50
135.00	.4462	.4040	.2923	.2014	.1106	.0956	.0879	.0829	.0760	.0714	.1825	.1825	135.00
157.50	.6365	.5560	.4093	.3087	.2037	.1793	.1676	.1650	.1611	.1591	.2983	.3057	157.50
180.00	.6891	.6062	.4693	.3501	.2399	.2117	.2046		.1951	.1938	.3440	.3500	180.00
202.50	.6472	.5727	.4289	.3133	.2098	.1805	.1730	.1686	.1626	.1617	.2999	.3054	202.50
225.00	.5019	.4346	.3119	.2115	.1247	.1031	.0945	.0880	.0821	.0781	.1853	.1903	225.00
247.50	.3154	.2612	.1680	.0885	.0252	.0110	.0024	-.0058	-.0093	-.0155	.0503	.0558	247.50
270.00	.1439	.1053	.0410	-.0159	-.0588	-.0640	-.0753	-.0805	-.0846	-.0871	-.0613	-.0470	270.00
292.50	.0227	-.0030	-.0472	-.0853	-.1114	-.1123	-.1072	-.1007	-.0963	-.0866	-.0682	-.0703	292.50
315.00	-.0318	-.0512	-.0787	-.0980	-.1115	-.1111	-.1073	-.1021	-.0967	-.0910	-.0627	-.0720	315.00
337.50	-.0399	-.0735	-.0964	-.1122	-.1136	-.1117	-.1081	-.1030	-.0953	-.0717	-.0748	-.0748	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0147	-.0248	-.0454	-.0665	-.0902	-.0897	-.1017	-.0940	-.0949	-.0896	-.0429	-.0398	0.00
22.50	-.0506	-.0682	-.0885	-.0959	-.1124	-.1137	-.1127	-.1100	-.1081	-.1048	-.0859	-.0886	22.50
45.00	-.0608	-.0738	-.0943	-.0965	-.1115	-.1145	-.1119	-.1083	-.1062	-.1017	-.0805	-.0884	45.00
67.50	-.0144	-.0365	-.0722	-.0880	-.1150	-.1209	-.1136	-.1092	-.1056	-.0972	-.0870	-.0875	67.50
90.00	.1152	.0737	.0224	-.0170	-.0596	-.0747	-.0799	-.0845	-.0880	-.0886	-.0622	-.0509	90.00
112.50	.2905	.2641	.1708	.1016	.0358	.0169	.0111	.0061	.0005	-.0009	.0672	.0792	112.50
135.00	.5054	.4645	.3469	.2534	.1556	.1388	.1313	.1266	.1208	.1165	.2412	.2412	135.00
157.50	.7403	.6565	.5011	.3927	.2739	.2483	.2373	.2334	.2313	.2297	.3894	.3981	157.50
180.00	.8100	.7236	.5792	.4483	.3224	.2914	.2862		.2734	.2755	.4488	.4578	180.00
202.50	.7552	.6775	.5254	.3984	.2816	.2491	.2437	.2374	.2315	.2324	.3904	.3985	202.50
225.00	.5698	.5004	.3702	.2644	.1717	.1457	.1392	.1316	.1266	.1240	.2445	.2522	225.00
247.50	.3395	.2864	.1940	.1105	.0470	.0277	.0195	.0122	.0090	.0054	.0708	.0839	247.50
270.00	.1393	.0990	.0398	-.0116	-.0525	-.0625	-.0709	-.0759	-.0774	-.0800	-.0505	-.0416	270.00
292.50	.0003	-.0234	-.0567	-.0907	-.1122	-.1157	-.1116	-.1070	-.1036	-.0942	-.0841	-.0859	292.50
315.00	-.0618	-.0748	-.0923	-.1045	-.1135	-.1143	-.1104	-.1081	-.1061	-.0988	-.0784	-.0854	315.00
337.50	-.0688	-.0909	-.1046	-.1151	-.1164	-.1122	-.1109	-.1087	-.1029	-.0847	-.0909	-.0909	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0344	-.0434	-.0606	-.0794	-.0990	-.0951	-.0991	-.1005	-.1015	-.0991	-.0689	-.0761	0.00
22.50	-.0738	-.0854	-.0983	-.1006	-.1181	-.1181	-.1085	-.1152	-.1143	-.1116	-.0955	-.0985	22.50
45.00	-.0830	-.0921	-.1047	-.1017	-.1166	-.1203	-.1126	-.1148	-.1120	-.1070	-.0942	-.0974	45.00
67.50	-.0306	-.0502	-.0814	-.0917	-.1175	-.1245	-.1165	-.1169	-.1124	-.1050	-.0978	-.1010	67.50
90.00	.1100	.0692	.0233	-.0141	-.0568	-.0717	-.0767	-.0808	-.0841	-.0826	-.0484	-.0445	90.00
112.50	.3115	.2893	.1960	.1255	.0575	.0394	.0335	.0276	.0237	.0224	.1016	.1083	112.50
135.00	.5674	.5292	.4103	.3121	.2265	.1920	.1810	.1785	.1740	.1682	.3072	.3072	135.00
157.50	.8497	.7634	.6024	.4860	.3550	.3318	.3161	.3137	.3100	.3120	.4974	.5085	157.50
180.00	.9358	.8460	.6992	.5570	.4172	.3871	.3789		.3640	.3695	.5692	.5806	180.00
202.50	.8666	.7856	.6300	.4926	.3641	.3318	.3239	.3175	.3098	.3145	.4956	.5068	202.50
225.00	.6397	.5690	.4361	.3249	.2246	.1992	.1891	.1877	.1784	.1766	.3094	.3214	225.00
247.50	.3647	.3124	.2165	.1357	.0694	.0511	.0464	.0352	.0302	.0284	.1085	.1182	247.50
270.00	.1370	.1002	.0403	-.0113	-.0478	-.0578	-.0669	-.0707	-.0730	-.0758	-.0454	-.0346	270.00
292.50	-.0147	-.0345	-.0662	-.0953	-.1141	-.1174	-.1174	-.1136	-.1085	-.1011	-.0939	-.0936	292.50
315.00	-.0823	-.0918	-.1025	-.1108	-.1183	-.1191	-.1165	-.1143	-.1109	-.1041	-.0915	-.0950	315.00
337.50	-.0852	-.1021	-.1115	-.1198	-.1201	-.1155	-.1158	-.1146	-.1092	-.0944	-.0994	-.0994	337.50

TABLE VI.- Continued

(c) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0446	-.0563	-.0696	-.0862	-.1018	-.0961	-.1036	-.1097	-.1114	-.1116	-.0923	-.0941	0.00
22.50	-.0888	-.0966	-.1067	-.1064	-.1220	-.1212	-.1194	-.1195	-.1184	-.1156	-.1011	-.1058	22.50
45.00	-.0984	-.1044	-.1125	-.1070	-.1220	-.1234	-.1206	-.1175	-.1147	-.1112	-.1012	-.1049	45.00
67.50	-.0430	-.0601	-.0875	-.0944	-.1194	-.1257	-.1226	-.1217	-.1168	-.1113	-.1078	-.1117	67.50
90.00	.1055	.0659	.0229	-.0106	-.0516	-.0660	-.0697	-.0766	-.0774	-.0763	-.0401	-.0331	90.00
112.50	.3324	.3117	.2233	.1505	.0814	.0614	.0562	.0546	.0496	.0509	.1386	.1453	112.50
135.00	.6282	.5913	.4754	.3745	.2616	.2493	.2383	.2384	.2335	.2287	.3839		135.00
157.50	.9577	.8688	.7075	.5868	.4460	.4235	.4064	.4075	.4044	.4090	.6175	.6301	157.50
180.00	1.0621	.9689	.8237	.6738	.5221	.4922	.4849		.4756	.4824	.7110	.7209	180.00
202.50	.9774	.8953	.7390	.5945	.4567	.4235	.4150	.4113	.4039	.4136	.6182	.6296	202.50
225.00	.7092	.6372	.5038	.3888	.2828	.2564	.2461	.2421	.2384	.2399	.3878	.4012	225.00
247.50	.3909	.3371	.2438	.1614	.0942	.0766	.0656	.0611	.0584	.0549	.1427	.1474	247.50
270.00	.1335	.0985	.0465	-.0032	-.0432	-.0513	-.0601	-.0631	-.0639	-.0659	-.0324	-.0237	270.00
292.50	-.0240	-.0410	-.0767	-.0980	-.1162	-.1175	-.1221	-.1189	-.1125	-.1065	-.1037	-.1047	292.50
315.00	-.0965	-.1028	-.1104	-.1169	-.1223	-.1219	-.1206	-.1170	-.1139	-.1079	-.0991	-.1024	315.00
337.50		-.0996	-.1101	-.1178	-.1235	-.1235	-.1202	-.1200	-.1187	-.1126	-.1000	-.1061	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0552	-.0658	-.0766	-.0895	-.1047	-.0987	-.1115	-.1157	-.1165	-.1158	-.1014	-.1049	0.00
22.50	-.0980	-.1049	-.1123	-.1098	-.1257	-.1245	-.1232	-.1229	-.1203	-.1168	-.1068	-.1126	22.50
45.00	-.1080	-.1116	-.1185	-.1108	-.1253	-.1261	-.1230	-.1197	-.1178	-.1140	-.1060	-.1109	45.00
67.50	-.0522	-.0672	-.0907	-.0967	-.1210	-.1262	-.1260	-.1250	-.1217	-.1164	-.1166	-.1166	67.50
90.00	.1026	.0666	.0264	-.0059	-.0468	-.0594	-.0627	-.0675	-.0673	-.0649	-.0273	-.0235	90.00
112.50	.3518	.3345	.2437	.1762	.1049	.0866	.0847	.0817	.0805	.0811	.1740	.1816	112.50
135.00	.6882	.6545	.5346	.4370	.3102	.3096	.3003	.3043	.2957	.2901	.4634		135.00
157.50	1.0658	.9756	.8010	.6916	.5438	.5223	.4986	.5112	.5066	.5130	.7465	.7548	157.50
180.00	1.1858	1.0871	.9464	.7966	.6462	.6063	.6005		.5992	.6053	.8613	.8624	180.00
202.50	1.0848	1.0020	.8510	.7025	.5560	.5204	.5130	.5151	.5092	.5179	.7472	.7507	202.50
225.00	.7733	.7018	.5710	.4573	.3443	.3176	.3080	.3058	.3021	.3067	.4695	.4807	225.00
247.50	.4128	.3613	.2680	.1909	.1198	.1024	.0940	.0899	.0886	.0871	.1811	.1884	247.50
270.00	.1308	.0979	.0464	.0007	-.0378	-.0436	-.0526	-.0541	-.0540	-.0572	-.0206	-.0110	270.00
292.50	-.0302	-.0482	-.0751	-.0990	-.1168	-.1179	-.1224	-.1184	-.1144	-.1114	-.1114	-.1073	292.50
315.00	-.1064	-.1104	-.1165	-.1206	-.1262	-.1256	-.1226	-.1184	-.1160	-.1168	-.1053	-.1079	315.00
337.50		-.1067	-.1166	-.1221	-.1276	-.1277	-.1228	-.1213	-.1194	-.1139	-.1053	-.1108	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0633	-.0732	-.0815	-.0929	-.1067	-.1033	-.1168	-.1212	-.1220	-.1202	-.1013	-.1173	0.00
22.50	-.1056	-.1109	-.1172	-.1123	-.1263	-.1294	-.1246	-.1242	-.1233	-.1206	-.1129	-.1185	22.50
45.00	-.1165	-.1192	-.1238	-.1119	-.1257	-.1309	-.1241	-.1220	-.1218	-.1189	-.1082	-.1154	45.00
67.50	-.0594	-.0733	-.0949	-.0974	-.1198	-.1298	-.1266	-.1271	-.1270	-.1246	-.1183	-.1182	67.50
90.00	.1009	.0682	.0296	-.0011	-.0396	-.0530	-.0556	-.0594	-.0592	-.0558	-.0146	-.0103	90.00
112.50	.3699	.3559	.2657	.2026	.1317	.1115	.1099	.1140	.1151	.1120	.2142	.2223	112.50
135.00	.7435	.7155	.6013	.5039	.3772	.3729	.3652	.3719	.3644	.3623	.5466		135.00
157.50	1.1706	1.0827	.9166	.7971	.6473	.6241	.6075	.6186	.6202	.6213	.8836	.8749	157.50
180.00	1.3079	1.2210	1.0735	.9197	.7614	.7252	.7233		.7252	.7255	1.0039	.9969	180.00
202.50	1.1905	1.1115	.9562	.8078	.6601	.6228	.6195	.6234	.6192	.6238	.8746	.8703	202.50
225.00	.8380	.7701	.6367	.5233	.4063	.3806	.3749	.3755	.3701	.3762	.5517	.5583	225.00
247.50	.4354	.3859	.2948	.2170	.1476	.1299	.1234	.1231	.1218	.1173	.2191	.2273	247.50
270.00	.1312	.1008	.0522	.0042	-.0290	-.0349	-.0447	-.0449	-.0446	-.0473	-.0081	.0019	270.00
292.50	-.0386	-.0531	-.0772	-.1010	-.1160	-.1194	-.1221	-.1201	-.1193	-.1181	-.1129	-.1077	292.50
315.00	-.1108	-.1152	-.1156	-.1226	-.1262	-.1293	-.1248	-.1218	-.1209	-.1154	-.1109	-.1108	315.00
337.50		-.1133	-.1204	-.1244	-.1280	-.1315	-.1252	-.1241	-.1229	-.1173	-.1122	-.1162	337.50

TABLE VI.- Continued

(c) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0905	-.0897	-.0914	-.1016	-.1113	-.1029	-.1227	-.1256	-.1256	-.1244	-.1131	-.1161	0.00
22.50	-.1189	-.1210	-.1188	-.1112	-.1305	-.1289	-.1298	-.1283	-.1258	-.1238	-.1177	-.1154	22.50
45.00	-.1254	-.1281	-.1225	-.1092	-.1288	-.1316	-.1318	-.1264	-.1237	-.1217	-.1146	-.1128	45.00
67.50	-.0660	-.0781	-.0971	-.0991	-.1200	-.1252	-.1268	-.1279	-.1275	-.1255	-.1174	-.1130	67.50
90.00	.0978	.0678	.0316	.0013	-.0334	-.0453	-.0467	-.0505	-.0504	-.0456	-.0034	.0036	90.00
112.50	.3836	.3728	.2873	.2271	.1571	.1392	.1445	.1408	.1446	.1470	.2582	.2586	112.50
135.00	.7900	.7673	.6617	.5673	.4379	.4380	.4335	.4414	.4358	.4300	.6322	.6322	135.00
157.50	1.2643	1.1817	1.0208	.9008	.7505	.7303	.7171	.7278	.7298	.7257	1.0073	.9950	157.50
180.00	1.4213	1.3404	1.1969	1.0417	.8842	.8465	.8516	.8529	.8474	.8474	1.1465	1.1291	180.00
202.50	1.2877	1.2123	1.0642	.9132	.7668	.7271	.7284	.7341	.7298	.7367	1.0025	.9845	202.50
225.00	.8956	.8294	.7029	.5872	.4700	.4453	.4434	.4456	.4405	.4462	.6415	.6346	225.00
247.50	.4535	.4069	.3185	.2434	.1750	.1576	.1533	.1514	.1512	.1544	.2614	.2653	247.50
270.00	.1301	.1022	.0556	.0089	-.0221	-.0274	-.0370	-.0356	-.0341	-.0388	.0050	.0167	270.00
292.50	-.0441	-.0570	-.0789	-.1019	-.1154	-.1153	-.1205	-.1186	-.1183	-.1188	-.1130	-.1017	292.50
315.00	-.1073	-.1115	-.1252	-.1316	-.1284	-.1246	-.1233	-.1246	-.1258	-.1198	-.1157	-.1081	315.00
337.50	-.1132	-.1132	-.1262	-.1314	-.1293	-.1277	-.1264	-.1258	-.1271	-.1210	-.1164	-.1127	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.0800	-.0992	-.0968	-.1024	-.1129	-.1046	-.1249	-.1264	-.1250	-.1073	-.0989	-.1003	0.00
22.50	-.1216	-.1273	-.1196	-.1144	-.1334	-.1326	-.1302	-.1269	-.1250	-.1063	-.0995	-.0993	22.50
45.00	-.1288	-.1319	-.1225	-.1116	-.1348	-.1364	-.1299	-.1239	-.1232	-.1067	-.0999	-.0995	45.00
67.50	-.0713	-.0819	-.0989	-.0990	-.1202	-.1269	-.1254	-.1263	-.1260	-.1122	-.1118	-.1087	67.50
90.00	.0950	.0677	.0351	.0077	-.0275	-.0383	-.0396	-.0407	-.0379	-.0365	.0143	.0163	90.00
112.50	.3970	.3891	.3089	.2511	.1620	.1671	.1720	.1769	.1795	.1796	.2963	.2955	112.50
135.00	.8299	.8165	.7201	.6288	.4995	.5083	.5056	.5140	.5066	.4986	.7155	.7155	135.00
157.50	1.3466	1.2704	1.1176	1.0049	.8570	.8398	.8281	.8370	.8396	.8338	1.1277	1.1138	157.50
180.00	1.5204	1.4487	1.3123	1.1640	1.0089	.9744	.9815	.9788	.9715	1.2902	1.2661	1.2661	180.00
202.50	1.3728	1.3036	1.1638	1.0167	.8749	.8371	.8414	.8432	.8386	.8370	1.1252	1.0979	202.50
225.00	.9515	.8865	.7648	.6515	.5359	.5144	.5140	.5160	.5139	.5146	.7247	.7135	225.00
247.50	.4697	.4247	.3405	.2692	.2024	.1860	.1848	.1820	.1851	.1853	.3039	.2936	247.50
270.00	.1296	.1021	.0594	.0166	-.0151	-.0189	-.0266	-.0239	-.0238	-.0237	.3251	.0279	270.00
292.50	-.0487	-.0605	-.0803	-.1020	-.1145	-.1139	-.1196	-.1168	-.1158	-.1108	-.1058	-.0969	292.50
315.00	-.1148	-.1124	-.1294	-.1316	-.1244	-.1234	-.1261	-.1260	-.1206	-.1067	-.0994	-.0949	315.00
337.50	-.1132	-.1132	-.1317	-.1317	-.1287	-.1290	-.1271	-.1279	-.1226	-.1074	-.1000	-.0973	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	-.1004	-.0934	-.0974	-.1035	-.1142	-.1034	-.1246	-.1123	-.1112	-.1058	-.1038	-.1030	0.00
22.50	-.1148	-.1267	-.1258	-.1145	-.1323	-.1298	-.1273	-.1124	-.1098	-.1046	-.1025	-.1023	22.50
45.00	-.1181	-.1325	-.1309	-.1118	-.1333	-.1336	-.1271	-.1113	-.1084	-.1031	-.1016	-.1004	45.00
67.50	-.0753	-.0853	-.1010	-.0997	-.1203	-.1247	-.1242	-.1185	-.1157	-.1099	-.1110	-.1069	67.50
90.00	.0922	.0662	.0376	.0128	-.0203	-.0288	-.0234	-.0298	-.0266	-.0224	.0302	.0257	90.00
112.50	.4049	.4017	.3263	.2750	.2101	.1980	.2072	.2091	.2115	.2142	.3382	.3273	112.50
135.00	.8743	.8596	.7767	.6894	.5605	.5761	.5755	.5840	.5765	.5666	.7951	.7951	135.00
157.50	1.4177	1.3505	1.2127	1.1059	.9627	.9505	.9397	.9436	.9470	.9391	1.2357	1.2238	157.50
180.00	1.6052	1.5446	1.4209	1.2828	1.1321	1.1053	1.1128	.9504	1.1004	1.0924	1.4181	1.4029	180.00
202.50	1.4447	1.3826	1.2550	1.1166	.9817	.9454	.9528	.9406	.9406	.9406	1.2367	1.2183	202.50
225.00	.9928	.9326	.8211	.7114	.5996	.5836	.5852	.5868	.5794	.5826	.8012	.7786	225.00
247.50	.4786	.4371	.3599	.2930	.2288	.2145	.2155	.2168	.2146	.2175	.3430	.3262	247.50
270.00	.1263	.1000	.0611	.0217	-.0086	-.0105	-.0174	-.0152	-.0136	-.0141	.0384	.0356	270.00
292.50	-.0540	-.0642	-.0820	-.1021	-.1138	-.1124	-.1178	-.1121	-.1075	-.1036	-.1062	-.0962	292.50
315.00	-.1228	-.1181	-.1250	-.1338	-.1291	-.1262	-.1240	-.1119	-.1079	-.0995	-.1002	-.0982	315.00
337.50	-.1188	-.1188	-.1291	-.1337	-.1319	-.1297	-.1263	-.1123	-.1091	-.1019	-.1015	-.1012	337.50

TABLE VI.- Continued

(c) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0945	-.0955	-.0985	-.1025	-.1075	-.0960	-.1082	-.1070	-.1070	-.1043	-.1049	-.0995	0.00
22.50	-.1179	-.1276	-.1259	-.1142	-.1230	-.1200	-.1096	-.1061	-.1056	-.1033	-.1044	-.1018	22.50
45.00	-.1228	-.1330	-.1294	-.1130	-.1231	-.1219	-.1085	-.1054	-.1051	-.1027	-.1036	-.1002	45.00
67.50	-.0795	-.0884	-.1025	-.0995	-.1193	-.1226	-.1155	-.1134	-.1130	-.1114	-.1080	-.1055	67.50
90.00	.0892	.0638	.0388	.0173	-.0144	-.0195	-.0197	-.0205	-.0161	-.0087	.0411	.0354	90.00
112.50	.4116	.4122	.3439	.2968	.2347	.2289	.2326	.2407	.2434	.2452	.3581	.3537	112.50
135.00	.9165	.8992	.8247	.7448	.6227	.6469	.6432	.6508	.6436	.6316	.8473		135.00
157.50	1.4782	1.4169	1.2950	1.2000	1.0654	1.0610	1.0470	1.0441	1.0490	1.0419	1.3324	1.3158	157.50
180.00	1.6777	1.6278	1.5180	1.3936	1.2500	1.2382	1.2374		1.2173	1.2140	1.5329	1.5005	180.00
202.50	1.5041	1.4496	1.3354	1.2093	1.0819	1.0576	1.0595	1.0510	1.0452	1.0462	1.3350	1.3081	202.50
225.00	1.0763	.9713	.8766	.7671	.6626	.6553	.6521	.6509	.6458	.6495	.8541	.8408	225.00
247.50	.4829	.4460	.3748	.3145	.2540	.2448	.2445	.2454	.2443	.2493	.3640	.3574	247.50
270.00	.1228	.0575	.0628	.0261	-.0022	-.0025	-.0079	-.0057	-.0022	-.0018	.0447	.0451	270.00
292.50	-.0583	-.0674	-.0836	-.1023	-.1138	-.1115	-.1124	-.1060	-.1022	-.1052	-.0991	-.0948	292.50
315.00	-.1248	-.1218	-.1296	-.1291	-.1225	-.1159	-.1093	-.1054	-.1027	-.0999	-.1018	-.0973	315.00
337.50		-.1235	-.1318	-.1311	-.1239	-.1180	-.1096	-.1058	-.1043	-.1011	-.1029	-.1010	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	-.0941	-.0971	-.0961	-.0965	-.1008	-.0917	-.1067	-.1062	-.1046	-.1019	-.0996	-.0989	0.00
22.50	-.1256	-.1256	-.1258	-.1062	-.1139	-.1116	-.1077	-.1046	-.1035	-.1016	-.1005	-.1017	22.50
45.00	-.1320	-.1308	-.1302	-.1052	-.1130	-.1129	-.1076	-.1039	-.1032	-.1007	-.0994	-.1002	45.00
67.50	-.0847	-.0915	-.1041	-.1004	-.1174	-.1201	-.1164	-.1124	-.1129	-.1101	-.1057	-.1076	67.50
90.00	.0841	.0610	.0394	.0198	-.0072	-.0111	-.0114	-.0094	-.0060	.0064	.0400	.0315	90.00
112.50	.4127	.4185	.3560	.3144	.2585	.2573	.2655	.2717	.2696	.2888	.3690	.3514	112.50
135.00	.9474	.9321	.8674	.7948	.6795	.7102	.7098	.7174	.7043	.7219	.8802		135.00
157.50	1.5243	1.4735	1.3666	1.2814	1.1611	1.1636	1.1541	1.1502	1.1464	1.1859	1.3905	1.3278	157.50
180.00	1.7311	1.6935	1.6015	1.4900	1.3622	1.3665	1.3549		1.3304	1.3736	1.6006	1.5146	180.00
202.50	1.5528	1.5062	1.4066	1.2938	1.1800	1.1736	1.1631	1.1557	1.1444	1.1878	1.3911	1.3197	202.50
225.00	1.0520	1.0040	.9131	.8185	.7237	.7215	.7161	.7155	.7106	.7413	.8921	.8437	225.00
247.50	.4846	.4545	.3877	.3336	.2788	.2762	.2732	.2758	.2728	.2931	.3748	.3551	247.50
270.00	.1177	.0951	.0632	.0292	.0092	.0072	.0008	.0047	.0078	.0128	.0453	.0416	270.00
292.50	-.0630	-.0709	-.0853	-.1027	-.1124	-.1095	-.1119	-.1056	-.1029	-.1037	-.0997	-.0965	292.50
315.00	-.1256	-.1270	-.1215	-.1177	-.1144	-.1132	-.1083	-.1042	-.1024	-.0979	-.0982	-.0974	315.00
337.50		-.1288	-.1245	-.1194	-.1150	-.1140	-.1083	-.1044	-.1026	-.0988	-.0993	-.1002	337.50

TABLE VI.- Continued

(d) $M_{\infty} = 4.63$

ALPHA = -4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.2495	.2068	.1330	.0824	.0324	.0326	-.0199	.0212	.0146	.0114	.0452	.0544	0.00
22.50	.2373	.1897	.1150	.0709	.0171	.0078	-.0058	.0069	.0060	.0083	.0424	.0545	22.50
45.00	.2216	.1731	.1029	.0622	.0124	.0011	-.0006	.0009	.0008	.0045	.0324	.0458	45.00
67.50	.1975	.1535	.0865	.0530	.0058	-.0052	-.0064	-.0055	-.0057	-.0010	.0210	.0343	67.50
90.00	.1692	.1281	.0699	.0425	.0004	-.0077	-.0090	-.0080	-.0071	.0003	.0126	.0250	90.00
112.50	.1418	.1090	.0550	.0327	-.0022	-.0095	-.0091	-.0084	-.0074	.0034	.0079	.0186	112.50
135.00	.1233	.0931	.0443	.0259	-.0041	-.0105	-.0095	-.0082	-.0069	.0033	.0175	.0350	135.00
157.50	.1144	.0835	.0386	.0209	-.0045	-.0103	-.0084	-.0073	-.0060	.0045	.0088	.0261	157.50
180.00	.1113	.0813	.0399	.0319	.0046	-.0010	-.0087		-.0057	.0055	.0170	.0231	180.00
202.50	.1145	.0834	.0381	.0194	-.0029	-.0094	-.0084	.0011	-.0062	.0072	.0157	.0241	202.50
225.00	.1254	.0920	.0426	.0197	-.0051	-.0102	-.0097	-.0069	-.0073	.0072	.0098	.0214	225.00
247.50	.1433	.1077	.0527	.0237	-.0034	-.0093	-.0107	-.0089	-.0083	.0068	.0142	.0194	247.50
270.00	.1659	.1283	.0665	.0299	-.0005	-.0085	-.0105	-.0082	-.0085	.0053	.0166	.0260	270.00
292.50	.1942	.1528	.0839	.0382	.0024	-.0050	-.0075	-.0059	-.0064	.0052	.0233	.0330	292.50
315.00	.2209	.1747	.1008	.0489	.0095	.0004	-.0010	.0003	-.0005	.0092	.0327	.0461	315.00
337.50		.1924	.1127	.0568	.0152	.0050	.0044	.0052	.0046	.0128	.0429	.0545	337.50

ALPHA = 0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1761	.1434	.0904	.0547	.0214	.0193	-.0008	.0049	.0022	.0113	.0110	.0145	0.00
22.50	.1676	.1290	.0706	.0430	.0037	-.0067	-.0086	-.0042	-.0020	.0110	.0131	.0162	22.50
45.00	.1686	.1277	.0691	.0428	.0037	-.0095	-.0099	-.0053	-.0024	.0112	.0110	.0170	45.00
67.50	.1701	.1300	.0690	.0436	.0036	-.0098	-.0088	-.0054	-.0029	.0109	.0140	.0181	67.50
90.00	.1698	.1280	.0696	.0428	.0040	-.0089	-.0058	-.0043	-.0012	.0124	.0158	.0200	90.00
112.50	.1663	.1312	.0696	.0411	.0033	-.0087	-.0055	-.0039	-.0018	.0137	.0162	.0212	112.50
135.00	.1663	.1308	.0696	.0385	.0034	-.0085	-.0055	-.0041	-.0019	.0142	.0276	.0350	135.00
157.50	.1719	.1315	.0692	.0352	.0036	-.0076	-.0059	-.0039	-.0018	.0153	.0166	.0303	157.50
180.00	.1720	.1312	.0708	.0434	.0091	-.0011	-.0051		-.0020	.0154	.0176	.0258	180.00
202.50	.1739	.1334	.0701	.0337	.0040	-.0069	-.0052	.0024	-.0021	.0167	.0167	.0272	202.50
225.00	.1747	.1335	.0704	.0327	.0020	-.0069	-.0048	-.0027	-.0021	.0166	.0175	.0284	225.00
247.50	.1739	.1338	.0700	.0324	.0024	-.0069	-.0054	-.0038	-.0023	.0166	.0212	.0254	247.50
270.00	.1725	.1336	.0704	.0313	.0030	-.0072	-.0088	-.0040	-.0026	.0170	.0191	.0263	270.00
292.50	.1713	.1329	.0698	.0299	.0069	-.0076	-.0090	-.0050	-.0034	.0163	.0162	.0222	292.50
315.00	.1715	.1314	.0696	.0296	.0008	-.0079	-.0080	-.0051	-.0034	.0157	.0138	.0219	315.00
337.50		.1312	.0691	.0286	.0006	-.0081	-.0082	-.0051	-.0032	.0152	.0140	.0191	337.50

ALPHA = 4.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.1219	.0988	.0624	.0383	.0172	.0140	-.0067	-.0036	-.0043	-.0028	.0094	.0130	0.00
22.50	.1127	.0821	.0380	.0239	-.0036	-.0133	-.0146	-.0109	-.0093	-.0041	.0055	.0135	22.50
45.00	.1228	.0887	.0405	.0261	-.0059	-.0164	-.0162	-.0114	-.0099	-.0038	-.0014	.0097	45.00
67.50	.1419	.1059	.0506	.0317	-.0027	-.0154	-.0153	-.0124	-.0111	-.0031	.0052	.0135	67.50
90.00	.1661	.1240	.0662	.0400	.0033	-.0114	-.0101	-.0097	-.0086	-.0014	.0126	.0218	90.00
112.50	.1887	.1530	.0843	.0497	.0107	-.0065	-.0051	-.0045	-.0047	.0020	.0232	.0332	112.50
135.00	.2142	.1756	.1021	.0591	.0176	-.0005	.0006	.0013	.0010	.0079	.0464	.0650	135.00
157.50	.2424	.1940	.1146	.0646	.0244	.0049	.0049	.0061	.0062	.0138	.0464	.0650	157.50
180.00	.2492	.1996	.1222	.0721	.0283	.0106	.0077		.0083	.0160	.0518	.0655	180.00
202.50	.2465	.1984	.1188	.0635	.0261	.0057	.0060	.0112	.0067	.0154	.0455	.0629	202.50
225.00	.2288	.1824	.1074	.0540	.0184	.0019	.0023	.0035	.0021	.0111	.0356	.0530	225.00
247.50	.2023	.1596	.0896	.0422	.0111	-.0036	-.0035	-.0035	-.0038	.0060	.0229	.0369	247.50
270.00	.1729	.1344	.0713	.0297	.0042	-.0028	-.0123	-.0087	-.0088	.0042	.0120	.0265	270.00
292.50	.1465	.1112	.0543	.0195	-.0025	-.0128	-.0146	-.0120	-.0115	.0033	.0034	.0161	292.50
315.00	.1281	.0942	.0429	.0129	-.0071	-.0148	-.0146	-.0119	-.0114	.0024	.0003	.0121	315.00
337.50		.0844	.0365	.0091	-.0079	-.0146	-.0138	-.0114	-.0105	.0017	.0039	.0147	337.50

TABLE VI.- Continued

(d) Continued

ALPHA = 8.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0829	.0693	.0468	.0289	.0012	.0132	-.0116	-.0098	-.0096	-.0071	.0064	.0102	0.00
22.50	.0688	.0460	.0165	.0118	-.0205	-.0157	-.0201	-.0184	-.0184	-.0151	-.0142	-.0088	22.50
45.00	.0810	.0533	.0175	.0130	-.0231	-.0200	-.0211	-.0199	-.0185	-.0142	-.0184	-.0099	45.00
67.50	.1115	.0790	.0318	.0209	-.0192	-.0201	-.0225	-.0219	-.0200	-.0152	-.0166	-.0115	67.50
90.00	.1574	.1158	.0603	.0360	-.0090	-.0133	-.0156	-.0174	-.0176	-.0152	-.0057	.0021	90.00
112.50	.2087	.1722	.0992	.0596	.0071	-.0010	-.0028	-.0041	-.0061	-.0024	.0196	.0291	112.50
135.00	.2657	.2236	.1397	.0853	.0259	.0162	.0141	.0126	.0104	.0142	.0628		135.00
157.50	.3245	.2671	.1711	.1068	.0428	.0318	.0288	.0269	.0257	.0300	.0851	.0989	157.50
180.00	.3412	.2813	.1870	.1176	.0515	.0392	.0357		.0320	.0366	.0973	.1070	180.00
202.50	.3317	.2743	.1760	.1066	.0462	.0322	.0305	.0310	.0272	.0326	.0867	.0982	202.50
225.00	.2884	.2353	.1487	.0830	.0282	.0193	.0170	.0161	.0134	.0190	.0597	.0719	225.00
247.50	.2299	.1830	.1085	.0537	.0086	.0027	.0005	-.0013	-.0033	.0030	.0277	.0365	247.50
270.00	.1691	.1306	.0691	.0263	-.0071	-.0107	-.0164	-.0151	-.0166	-.0076	.0020	.0087	270.00
292.50	.1191	.0874	.0376	.0073	-.0193	-.0193	-.0233	-.0215	-.0198	-.0076	-.0117	-.0088	292.50
315.00	.0882	.0602	.0208	-.0018	-.0230	-.0214	-.0223	-.0203	-.0192	-.0075	-.0114	-.0081	315.00
337.50		.0468	.0136	-.0044	-.0220	-.0205	-.0207	-.0198	-.0196	-.0095	-.0103	-.0097	337.50

ALPHA = 12.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0571	.0518	.0371	.0243	.0066	.0107	-.0134	-.0142	-.0175	-.0205	-.0085	.0021	0.00
22.50	.0360	.0216	-.0029	.0057	-.0172	-.0219	-.0247	-.0264	-.0258	-.0233	-.0195	-.0194	22.50
45.00	.0433	.0236	-.0008	.0036	-.0201	-.0266	-.0256	-.0263	-.0252	-.0217	-.0199	-.0204	45.00
67.50	.0803	.0528	.0148	.0121	-.0174	-.0273	-.0272	-.0283	-.0266	-.0224	-.0219	-.0219	67.50
90.00	.1460	.1062	.0542	.0338	-.0028	-.0167	-.0187	-.0210	-.0215	-.0199	-.0102	-.0045	90.00
112.50	.2265	.1911	.1145	.0717	.0247	.0049	.0033	.0009	-.0018	.0017	.0301	.0371	112.50
135.00	.3183	.2752	.1831	.1184	.0587	.0379	.0358	.0324	.0285	.0314	.0949		135.00
157.50	.4130	.3489	.2387	.1593	.0914	.0685	.0644	.0607	.0579	.0606	.1363	.1493	157.50
180.00	.4410	.3740	.2661	.1771	.1056	.0823	.0782	.0708	.0732	.1555	.1666	.1800	180.00
202.50	.4221	.3584	.2484	.1601	.0940	.0706	.0674	.0650	.0608	.0636	.1365	.1499	202.50
225.00	.3487	.2915	.1959	.1182	.0614	.0440	.0402	.0377	.0340	.0364	.0903	.1042	225.00
247.50	.2545	.2063	.1285	.0677	.0251	.0125	.0080	.0057	.0033	.0077	.0343	.0463	247.50
270.00	.1619	.1260	.0668	.0242	-.0030	-.0114	-.0174	-.0172	-.0188	-.0111	-.0052	.0037	270.00
292.50	.0926	.0644	.0231	-.0035	-.0202	-.0245	-.0284	-.0272	-.0257	-.0139	-.0208	-.0186	292.50
315.00	.0524	.0293	.0016	-.0135	-.0238	-.0263	-.0278	-.0264	-.0260	-.0150	-.0203	-.0182	315.00
337.50		.0203	-.0011	-.0133	-.0229	-.0253	-.0265	-.0275	-.0270	-.0166	-.0189	-.0200	337.50

ALPHA = 16.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0444	.0437	.0329	.0247	.0035	.0128	-.0185	-.0232	-.0242	-.0243	-.0118	-.0093	0.00
22.50	.0161	.0076	-.0058	.0035	-.0240	-.0231	-.0268	-.0293	-.0287	-.0258	-.0218	-.0234	22.50
45.00	.0152	.0030	-.0130	.0021	-.0254	-.0272	-.0294	-.0297	-.0287	-.0242	-.0208	-.0244	45.00
67.50	.0563	.0345	.0048	.0098	-.0224	-.0277	-.0303	-.0315	-.0305	-.0262	-.0253	-.0267	67.50
90.00	.1399	.1011	.0515	.0344	-.0045	-.0143	-.0188	-.0211	-.0216	-.0187	-.0078	-.0035	90.00
112.50	.2501	.2132	.1316	.0867	.0339	.0172	.0137	.0103	.0071	.0117	.0467	.0542	112.50
135.00	.3808	.3338	.2296	.1576	.0870	.0691	.0641	.0599	.0558	.0578	.1368		135.00
157.50	.5186	.4435	.3136	.2235	.1377	.1175	.1102	.1069	.1042	.1053	.2066	.2192	157.50
180.00	.5615	.4823	.3554	.2518	.1604	.1380	.1320		.1249	.1254	.2378	.2484	180.00
202.50	.5313	.4579	.3287	.2264	.1429	.1204	.1144	.1117	.1084	.1085	.2076	.2205	202.50
225.00	.4215	.3581	.2488	.1613	.0936	.0771	.0706	.0678	.0643	.0643	.1348	.1485	225.00
247.50	.2857	.2350	.1516	.0867	.0380	.0274	.0203	.0179	.0158	.0180	.0525	.0654	247.50
270.00	.1603	.1260	.0688	.0264	-.0018	-.0081	-.0160	-.0158	-.0172	-.0091	-.0016	.0066	270.00
292.50	.0719	.0481	.0137	-.0082	-.0229	-.0257	-.0311	-.0298	-.0289	-.0159	-.0231	-.0228	292.50
315.00	.0238	.0082	-.0109	-.0189	-.0255	-.0283	-.0310	-.0294	-.0292	-.0160	-.0230	-.0222	315.00
337.50		.0044	-.0109	-.0192	-.0259	-.0285	-.0299	-.0299	-.0294	-.0173	-.0205	-.0240	337.50

TABLE VI.- Continued

(d) Continued

ALPHA = 20.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0332	.0363	.0296	.0235	.0045	.0078	-.0230	-.0284	-.0286	-.0281	-.0141	-.0213	0.00
22.50	.0007	-.0046	-.0139	.0020	-.0227	-.0269	-.0310	-.0321	-.0317	-.0285	-.0208	-.0272	22.50
45.00	-.0052	-.0121	-.0218	.0015	-.0245	-.0310	-.0341	-.0323	-.0312	-.0259	-.0217	-.0274	45.00
67.50	.0380	.0207	-.0043	.0072	-.0205	-.0309	-.0337	-.0347	-.0335	-.0285	-.0268	-.0295	67.50
90.00	.1344	.0985	.0520	.0359	.0011	-.0145	-.0178	-.0198	-.0197	-.0169	-.0027	-.0011	90.00
112.50	.2723	.2386	.1537	.1048	.0539	.0297	.0272	.0238	.0204	.0257	.0735	.0795	112.50
135.00	.4430	.3980	.2861	.2023	.1284	.1047	.0992	.0957	.0922	.0943	.1909	.3124	135.00
157.50	.6270	.5482	.4041	.2965	.2028	.1743	.1658	.1638	.1632	.1648	.2953	.3569	157.50
180.00	.6856	.6022	.4636	.3376	.2362	.2041	.1978	.1938	.1938	.1954	.3410	.3569	180.00
202.50	.6407	.5647	.4239	.3020	.2092	.1775	.1713	.1696	.1679	.1690	.2974	.3136	202.50
225.00	.4901	.4261	.3104	.2100	.1387	.1141	.1073	.1056	.1031	.1024	.1920	.2073	225.00
247.50	.3114	.2627	.1784	.1079	.0610	.0425	.0359	.0338	.0323	.0329	.0790	.0944	247.50
270.00	.1580	.1262	.0723	.0302	.0058	-.0062	-.0142	-.0132	-.0142	-.0070	.0030	.0119	270.00
292.50	.0559	.0361	.0075	-.0113	-.0205	-.0277	-.0335	-.0317	-.0311	-.0181	-.0263	-.0241	292.50
315.00	.0039	-.0065	-.0188	-.0225	-.0246	-.0312	-.0341	-.0318	-.0314	-.0186	-.0253	-.0243	315.00
337.50	-.0081	-.0192	-.0238	-.0252	-.0316	-.0330	-.0321	-.0318	-.0318	-.0195	-.0248	-.0263	337.50

ALPHA = 24.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0277	.0330	.0275	.0223	.0001	.0078	-.0255	-.0303	-.0309	-.0299	-.0236	-.0254	0.00
22.50	-.0085	-.0114	-.0174	.0019	-.0276	-.0278	-.0328	-.0331	-.0327	-.0296	-.0285	-.0285	22.50
45.00	-.0145	-.0186	-.0253	.0003	-.0287	-.0322	-.0356	-.0333	-.0320	-.0275	-.0255	-.0281	45.00
67.50	.0270	.0132	-.0077	.0067	-.0251	-.0315	-.0344	-.0348	-.0342	-.0302	-.0309	-.0292	67.50
90.00	.1310	.0969	.0554	.0399	.0004	-.0118	-.0148	-.0169	-.0167	-.0126	.0002	.0067	90.00
112.50	.2929	.2617	.1786	.1266	.0663	.0469	.0451	.0414	.0389	.0447	.1005	.1102	112.50
135.00	.5038	.4602	.3480	.2564	.1655	.1471	.1415	.1392	.1376	.1412	.2601	.4295	135.00
157.50	.7355	.6532	.5023	.3851	.2684	.2430	.2346	.2344	.2377	.2418	.4077	.4899	157.50
180.00	.8112	.7248	.5782	.4411	.3145	.2842	.2799	.2814	.2860	.2860	.4711	.4899	180.00
202.50	.7521	.6727	.5257	.3930	.2771	.2475	.2412	.2402	.2428	.2462	.4099	.4286	202.50
225.00	.5600	.4934	.3750	.2678	.1799	.1594	.1509	.1498	.1497	.1497	.2629	.2799	225.00
247.50	.3382	.2901	.2059	.1328	.0777	.0635	.0555	.0542	.0536	.0534	.1125	.1258	247.50
270.00	.1586	.1286	.0775	.0347	.0053	-.0002	-.0102	-.0081	-.0084	-.0019	.0103	.0219	270.00
292.50	.0457	.0294	.0046	-.0117	-.0272	-.0264	-.0339	-.0317	-.0312	-.0184	-.0248	-.0227	292.50
315.00	-.0064	-.0140	-.0230	-.0241	-.0317	-.0308	-.0352	-.0328	-.0321	-.0185	-.0240	-.0246	315.00
337.50	-.0160	-.0232	-.0260	-.0307	-.0312	-.0344	-.0332	-.0327	-.0327	-.0201	-.0251	-.0271	337.50

ALPHA = 28.0 DEG

THETA, DEG	CP FOR X/L =											THETA, DEG	
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925		.975
0.00	.0240	.0302	.0262	.0221	-.0023	.0081	-.0273	-.0326	-.0328	-.0313	-.0263	-.0278	0.00
22.50	-.0159	-.0166	-.0205	.0004	-.0309	-.0281	-.0344	-.0339	-.0340	-.0310	-.0330	-.0289	22.50
45.00	-.0213	-.0237	-.0293	-.0015	-.0322	-.0326	-.0368	-.0339	-.0333	-.0293	-.0288	-.0286	45.00
67.50	.0190	.0073	-.0106	.0060	-.0270	-.0316	-.0351	-.0348	-.0348	-.0317	-.0320	-.0278	67.50
90.00	.1297	.0977	.0582	.0444	.0040	-.0071	-.0107	-.0128	-.0122	-.0081	.0064	.0155	90.00
112.50	.3147	.2859	.2036	.1507	.0672	.0677	.0659	.0620	.0618	.0678	.1354	.1479	112.50
135.00	.5665	.5224	.4115	.3154	.2157	.1963	.1896	.1909	.1914	.1952	.3338	.4899	135.00
157.50	.8475	.7593	.6020	.4825	.3542	.3236	.3135	.3199	.3268	.3313	.5286	.5550	157.50
180.00	.9398	.8481	.6961	.5561	.4155	.3782	.3734	.3859	.3859	.3905	.6114	.6368	180.00
202.50	.8654	.7824	.6277	.4922	.3648	.3289	.3214	.3258	.3315	.3352	.5314	.5556	202.50
225.00	.6312	.5620	.4405	.3293	.2337	.2106	.2014	.2025	.2045	.2051	.3387	.3602	225.00
247.50	.3654	.3174	.2332	.1581	.0997	.0876	.0780	.0775	.0791	.0768	.1467	.1627	247.50
270.00	.1599	.1319	.0835	.0400	.0085	.0064	-.0045	-.0025	-.0019	-.0027	.0166	.0305	270.00
292.50	.0386	.0252	.0025	-.0134	-.0279	-.0255	-.0338	-.0310	-.0308	-.0189	-.0279	-.0219	292.50
315.00	-.0127	-.0183	-.0252	-.0258	-.0332	-.0309	-.0361	-.0336	-.0334	-.0199	-.0279	-.0258	315.00
337.50	-.0205	-.0259	-.0274	-.0334	-.0315	-.0354	-.0343	-.0341	-.0341	-.0216	-.0295	-.0285	337.50

TABLE VI.- Continued

(d) Continued

ALPHA = 32.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0228	.0289	.0248	.0207	-.0126	.0103	-.0295	-.0337	-.0331	-.0313	-.0301	-.0269	0.00
22.50	-.0199	-.0200	-.0229	-.0004	-.0409	-.0267	-.0351	-.0351	-.0348	-.0308	-.0352	-.0274	22.50
45.00	-.0249	-.0263	-.0300	-.0015	-.0422	-.0319	-.0367	-.0350	-.0345	-.0287	-.0317	-.0270	45.00
67.50	.0143	.0038	-.0120	.0063	-.0373	-.0305	-.0349	-.0349	-.0350	-.0311	-.0348	-.0257	67.50
90.00	.1303	.1007	.0630	.0493	-.0021	-.0034	-.0055	-.0086	-.0065	-.0016	.0148	.0302	90.00
112.50	.3360	.3098	.2277	.1738	.0991	.0895	.0895	.0871	.0886	.0942	.1667	.1845	112.50
135.00	.6267	.5846	.4729	.3757	.2627	.2498	.2457	.2502	.2521	.2537	.4207		135.00
157.50	.9553	.8653	.7001	.5846	.4452	.4135	.4051	.4171	.4245	.4262	.6648	.6753	157.50
180.00	1.0670	.9732	.8156	.6755	.5258	.4844	.4830		.4991	.5011	.7668	.7753	180.00
202.50	.9758	.8904	.7299	.5934	.4587	.4190	.4142	.4226	.4274	.4301	.6673	.6768	202.50
225.00	.6993	.6278	.5044	.3906	.2859	.2668	.2585	.2617	.2643	.2644	.4293	.4415	225.00
247.50	.3919	.3421	.2598	.1836	.1166	.1133	.1045	.1046	.1065	.1036	.1818	.2044	247.50
270.00	.1629	.1358	.0902	.0459	.0091	.0142	.0026	.0056	.0070	.0107	.0287	.0487	270.00
292.50	.0362	.0225	.0019	-.0133	-.0314	-.0236	-.0331	-.0302	-.0297	-.0178	-.0249	-.0167	292.50
315.00	-.0158	-.0210	-.0264	-.0258	-.0373	-.0309	-.0376	-.0338	-.0333	-.0191	-.0265	-.0245	315.00
337.50		-.0230	-.0268	-.0281	-.0382	-.0314	-.0368	-.0346	-.0342	-.0201	-.0280	-.0269	337.50

ALPHA = 36.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0218	.0290	.0246	.0210	-.0142	.0109	-.0302	-.0337	-.0319	-.0280	-.0249	-.0274	0.00
22.50	-.0220	-.0209	-.0242	.0002	-.0429	-.0271	-.0355	-.0345	-.0333	-.0274	-.0283	-.0276	22.50
45.00	-.0273	-.0277	-.0313	-.0008	-.0434	-.0324	-.0372	-.0347	-.0331	-.0255	-.0268	-.0276	45.00
67.50	.0110	.0020	-.0129	.0071	-.0377	-.0309	-.0345	-.0342	-.0341	-.0298	-.0299	-.0275	67.50
90.00	.1332	.1047	.0693	.0555	.0048	.0031	.0009	.0001	.0007	.0062	.0311	.0377	90.00
112.50	.3613	.3368	.2552	.1998	.1260	.1145	.1165	.1150	.1162	.1220	.2106	.2200	112.50
135.00	.6947	.6541	.5404	.4374	.3321	.3096	.3080	.3138	.3177	.3166	.5085		135.00
157.50	1.0755	.9824	.8097	.6889	.5567	.5131	.5088	.5215	.5295	.5279	.7966	.7934	157.50
180.00	1.2068	1.1098	.9472	.7978	.6530	.6027	.6074		.6173	.6209	.9122	.9121	180.00
202.50	1.0983	1.0101	.8407	.6987	.5697	.5180	.5193	.5284	.5304	.5320	.7942	.7947	202.50
225.00	.7757	.7028	.5720	.4554	.3611	.3258	.3224	.3264	.3285	.3285	.5145	.5143	225.00
247.50	.4231	.3737	.2902	.2118	.1537	.1389	.1320	.1331	.1350	.1331	.2212	.2380	247.50
270.00	.1684	.1431	.0987	.0550	.0241	.0207	.0111	.0144	.0162	.0180	.0417	.0577	270.00
292.50	.0339	.0215	.0018	-.0117	-.0251	-.0245	-.0320	-.0285	-.0279	-.0169	-.0240	-.0175	292.50
315.00	-.0185	-.0224	-.0272	-.0257	-.0332	-.0331	-.0368	-.0330	-.0323	-.0174	-.0261	-.0222	315.00
337.50		-.0253	-.0276	-.0284	-.0336	-.0339	-.0363	-.0339	-.0329	-.0183	-.0264	-.0244	337.50

ALPHA = 40.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0218	.0283	.0247	.0218	-.0021	.0152	-.0301	-.0315	-.0299	-.0255	-.0254	-.0250	0.00
22.50	-.0244	-.0228	-.0244	.0006	-.0314	-.0268	-.0352	-.0320	-.0299	-.0248	-.0268	-.0250	22.50
45.00	-.0299	-.0297	-.0318	-.0009	-.0326	-.0314	-.0370	-.0323	-.0295	-.0235	-.0260	-.0253	45.00
67.50	.0087	.0002	-.0136	.0068	-.0259	-.0284	-.0341	-.0333	-.0326	-.0281	-.0276	-.0238	67.50
90.00	.1372	.1096	.0741	.0614	.0212	.0123	.0085	.0067	.0079	.0145	.0404	.0509	90.00
112.50	.3871	.3631	.2807	.2261	.1598	.1429	.1455	.1479	.1430	.1505	.2451	.2515	112.50
135.00	.7622	.7203	.6034	.5041	.3895	.3740	.3732	.3815	.3819	.3795	.5742		135.00
157.50	1.1911	1.0930	.9175	.7997	.6467	.6192	.6190	.6293	.6298	.6303	.9032	.9110	157.50
180.00	1.3426	1.2402	1.0783	.9297	.7623	.7275	.7391		.7344	.7391	1.0412	1.0486	180.00
202.50	1.2162	1.1237	.9532	.8120	.6618	.6237	.6319	.6360	.6302	.6352	.9044	.9119	202.50
225.00	.8496	.7733	.6389	.5245	.4167	.3895	.3903	.3932	.3925	.3932	.5805	.5884	225.00
247.50	.4524	.4023	.3186	.2405	.1782	.1682	.1617	.1622	.1643	.1618	.2565	.2681	247.50
270.00	.1742	.1496	.1061	.0621	.0312	.0322	.0201	.0240	.0262	.0269	.0513	.0693	270.00
292.50	.0315	.0205	.0014	-.0114	-.0252	-.0209	-.0310	-.0270	-.0259	-.0148	-.0223	-.0150	292.50
315.00	-.0204	-.0239	-.0281	-.0266	-.0336	-.0304	-.0358	-.0311	-.0288	-.0144	-.0245	-.0218	315.00
337.50		-.0270	-.0292	-.0290	-.0343	-.0314	-.0356	-.0318	-.0294	-.0157	-.0252	-.0247	337.50

TABLE VI.- Continued

(d) Continued

ALPHA = 44.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0212	.0266	.0249	.0213	-.0002	.0096	-.0272	-.0285	-.0278	-.0241	-.0257	-.0291	0.00
22.50	-.0258	-.0234	-.0249	-.0005	-.0300	-.0321	-.0320	-.0285	-.0276	-.0233	-.0270	-.0290	22.50
45.00	-.0313	-.0306	-.0326	-.0018	-.0306	-.0366	-.0335	-.0287	-.0273	-.0221	-.0262	-.0291	45.00
67.50	.0062	-.0010	-.0141	.0071	-.0245	-.0347	-.0331	-.0319	-.0314	-.0271	-.0261	-.0264	67.50
90.00	.1371	.1143	.0799	.0669	.0292	.0121	.0163	.0145	.0165	.0238	.0535	.0574	90.00
112.50	.4003	.3886	.3066	.2519	.1868	.1639	.1728	.1743	.1721	.1823	.2811	.2898	112.50
135.00	.8104	.7894	.6665	.5691	.4508	.4378	.4428	.4508	.4476	.4427	.6427	.6427	135.00
157.50	1.2838	1.2137	1.0301	.9091	.7504	.7312	.7324	.7392	.7288	.7335	1.0076	1.0294	157.50
180.00	1.4506	1.3821	1.2126	1.0592	.8866	.8585	.8739	.8537	.8537	.8603	1.1762	1.1865	180.00
202.50	1.3091	1.2448	1.0679	.9223	.7697	.7371	.7476	.7474	.7312	.7404	1.0204	1.0296	202.50
225.00	.9014	.8460	.7044	.5897	.4827	.4569	.4618	.4633	.4606	.4585	.6539	.6611	225.00
247.50	.4690	.4299	.3463	.2665	.2066	.1926	.1935	.1960	.1945	.1928	.2904	.3061	247.50
270.00	.1759	.1556	.1135	.0694	.0402	.0355	.0299	.0346	.0369	.0365	.0655	.0793	270.00
292.50	.0295	.0202	.0018	-.0106	-.0236	-.0248	-.0296	-.0250	-.0238	-.0142	-.0184	-.0132	292.50
315.00	-.0216	-.0249	-.0289	-.0266	-.0320	-.0337	-.0326	-.0274	-.0266	-.0144	-.0226	-.0218	315.00
337.50	-.0279	-.0301	-.0291	-.0327	-.0349	-.0323	-.0289	-.0269	-.0149	-.0225	-.0243	-.0243	337.50

ALPHA = 48.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0215	.0287	.0258	.0226	.0023	.0163	-.0249	-.0270	-.0269	-.0232	-.0238	-.0238	0.00
22.50	-.0267	-.0242	-.0253	.0010	-.0276	-.0238	-.0289	-.0267	-.0264	-.0225	-.0238	-.0238	22.50
45.00	-.0325	-.0317	-.0331	.0001	-.0289	-.0283	-.0302	-.0269	-.0262	-.0215	-.0239	-.0238	45.00
67.50	.0041	-.0022	-.0144	.0078	-.0244	-.0285	-.0318	-.0308	-.0305	-.0262	-.0231	-.0209	67.50
90.00	.1369	.1161	.0852	.0735	.0355	.0245	.0250	.0231	.0258	.0334	.0688	.0713	90.00
112.50	.4112	.4046	.3314	.2783	.2130	.1945	.2043	.2043	.2043	.2140	.3154	.3232	112.50
135.00	.8478	.8382	.7291	.6351	.5148	.5085	.5173	.5222	.5140	.5091	.7125	.7125	135.00
157.50	1.3560	1.3054	1.1414	1.0194	.8587	.8455	.8523	.8524	.8332	.8399	1.1210	1.1409	157.50
180.00	1.5388	1.4971	1.3493	1.1885	1.0140	.9909	1.0161	.9769	.9821	1.3093	1.3147	1.3147	180.00
202.50	1.3850	1.3389	1.1868	1.0329	.8781	.8499	.8691	.8607	.8354	.8449	1.1338	1.1373	202.50
225.00	.9479	.8996	.7731	.6579	.5477	.5269	.5362	.5349	.5265	.5241	.7202	.7282	225.00
247.50	.4836	.4481	.3745	.2956	.2346	.2260	.2247	.2267	.2247	.2247	.3224	.3350	247.50
270.00	.1774	.1586	.1203	.0774	.0477	.0483	.0397	.0449	.0476	.0462	.0773	.0895	270.00
292.50	.0274	.0187	.0020	-.0100	-.0227	-.0197	-.0280	-.0230	-.0219	-.0127	-.0174	-.0108	292.50
315.00	-.0233	-.0262	-.0292	-.0258	-.0297	-.0274	-.0293	-.0259	-.0254	-.0127	-.0219	-.0201	315.00
337.50	-.0289	-.0306	-.0285	-.0299	-.0287	-.0291	-.0263	-.0258	-.0138	-.0219	-.0227	-.0227	337.50

ALPHA = 52.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0225	.0290	.0267	.0236	.0025	.0199	-.0231	-.0256	-.0251	-.0205	-.0241	-.0223	0.00
22.50	-.0273	-.0245	-.0249	.0020	-.0266	-.0208	-.0270	-.0253	-.0244	-.0198	-.0228	-.0223	22.50
45.00	-.0335	-.0321	-.0329	.0010	-.0270	-.0255	-.0284	-.0255	-.0241	-.0188	-.0240	-.0223	45.00
67.50	.0029	-.0030	-.0142	.0080	-.0259	-.0317	-.0306	-.0296	-.0289	-.0244	-.0239	-.0206	67.50
90.00	.1397	.1177	.0907	.0802	.0412	.0293	.0334	.0329	.0358	.0431	.0782	.0820	90.00
112.50	.4291	.4188	.3561	.3049	.2393	.2208	.2350	.2367	.2368	.2435	.3487	.3463	112.50
135.00	.8973	.8769	.7917	.7015	.5790	.5746	.5882	.5935	.5814	.5763	.7944	.7944	135.00
157.50	1.4390	1.3710	1.2567	1.1291	.9692	.9594	.9661	.9644	.9422	.9467	1.2567	1.2551	157.50
180.00	1.6405	1.5767	1.4771	1.3179	1.1463	1.1227	1.1479	.9726	1.1028	1.1056	1.4480	1.4576	180.00
202.50	1.4717	1.4068	1.2974	1.1456	.9916	.9618	.9807	.9436	.9436	.9505	1.2535	1.2488	202.50
225.00	1.0021	.9433	.8385	.7294	.6172	.5965	.6071	.6050	.5917	.5907	.7996	.7918	225.00
247.50	.5018	.4637	.4001	.3251	.2637	.2546	.2562	.2575	.2565	.2526	.3594	.3626	247.50
270.00	.1807	.1607	.1275	.0850	.0598	.0578	.0500	.0561	.0593	.0563	.0890	.1061	270.00
292.50	.0263	.0181	.0031	-.0100	-.0232	-.0194	-.0264	-.0210	-.0194	-.0119	-.0157	-.0065	292.50
315.00	-.0243	-.0268	-.0292	-.0237	-.0274	-.0256	-.0277	-.0243	-.0233	-.0109	-.0198	-.0160	315.00
337.50	-.0295	-.0304	-.0267	-.0279	-.0267	-.0274	-.0248	-.0238	-.0117	-.0196	-.0198	-.0198	337.50

TABLE VI.- Concluded

(d) Concluded

ALPHA = 56.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0226	.0289	.0276	.0256	.0070	.0212	-.0216	-.0233	-.0212	-.0177	-.0233	-.0202	0.00
22.50	-.0279	-.0251	-.0237	.0043	-.0222	-.0199	-.0254	-.0228	-.0208	-.0171	-.0223	-.0199	22.50
45.00	-.0344	-.0329	-.0311	.0046	-.0227	-.0243	-.0267	-.0229	-.0204	-.0159	-.0247	-.0198	45.00
67.50	.0004	-.0048	-.0142	.0080	-.0235	-.0274	-.0293	-.0280	-.0265	-.0222	-.0248	-.0173	67.50
90.00	.1374	.1173	.0955	.0858	.0504	.0408	.0425	.0417	.0453	.0527	.0874	.0908	90.00
112.50	.4342	.4308	.3768	.3300	.2679	.2528	.2663	.2665	.2681	.2720	.3827	.3767	112.50
135.00	.9284	.9178	.8447	.7637	.6398	.6479	.6550	.6586	.6460	.6394	.8583		135.00
157.50	1.4962	1.4446	1.3467	1.2316	1.0734	1.0723	1.0711	1.0635	1.0461	1.0480	1.3495	1.2942	157.50
180.00	1.7103	1.6675	1.5891	1.4378	1.2721	1.2579	1.2743		1.2265	1.2261	1.5722	1.4704	180.00
202.50	1.5256	1.4782	1.3901	1.2468	1.0986	1.0749	1.0897	1.0734	1.0489	1.0541	1.3598	1.2860	202.50
225.00	1.0400	.9882	.8952	.7923	.6818	.6658	.6742	.6667	.6531	.6531	.8605	.8372	225.00
247.50	.5101	.4776	.4233	.3520	.2933	.2851	.2851	.2854	.2849	.2797	.3909	.3888	247.50
270.00	.1797	.1617	.1335	.0925	.0653	.0674	.0596	.0653	.0692	.0652	.0977	.1121	270.00
292.50	.0238	.0166	.0038	-.0091	-.0211	-.0173	-.0249	-.0191	-.0166	-.0100	-.0141	-.0043	292.50
315.00	-.0253	-.0277	-.0276	-.0185	-.0247	-.0231	-.0260	-.0217	-.0196	-.0069	-.0180	-.0143	315.00
337.50		-.0301	-.0288	-.0219	-.0260	-.0240	-.0256	-.0222	-.0200	-.0093	-.0173	-.0183	337.50

ALPHA = 60.0 DEG

THETA, DEG	CP FOR X/L =												THETA, DEG
	.075	.125	.225	.325	.425	.475	.575	.675	.775	.875	.925	.975	
0.00	.0211	.0276	.0299	.0232	.0089	.0211	-.0191	-.0200	-.0190	-.0165	-.0192	-.0206	0.00
22.50	-.0286	-.0251	-.0190	.0043	-.0195	-.0191	-.0225	-.0192	-.0188	-.0160	-.0185	-.0202	22.50
45.00	-.0351	-.0328	-.0245	.0041	-.0201	-.0236	-.0236	-.0194	-.0186	-.0150	-.0199	-.0202	45.00
67.50	-.0033	-.0068	-.0140	.0059	-.0215	-.0271	-.0275	-.0254	-.0248	-.0202	-.0206	-.0186	67.50
90.00	.1287	.1139	.0972	.0829	.0578	.0485	.0515	.0516	.0548	.0574	.1055	.0890	90.00
112.50	.4231	.4328	.3906	.3492	.2925	.2825	.2937	.2962	.2961	.2973	.4231	.3750	112.50
135.00	.9423	.9448	.8886	.8218	.6986	.7189	.7201	.7208	.7065	.7024	.9314		135.00
157.50	1.5173	1.4947	1.4252	1.3298	1.1759	1.1844	1.1742	1.1555	1.1472	1.1526	1.4736	1.3314	157.50
180.00	1.7342	1.7247	1.6827	1.5536	1.3933	1.3880	1.3915		1.3418	1.3450	1.7044	1.5255	180.00
202.50	1.5277	1.5159	1.4661	1.3497	1.2021	1.1892	1.1926	1.1689	1.1473	1.1532	1.4708	1.3252	202.50
225.00	1.0385	1.0127	.9408	.8538	.7427	.7344	.7385	.7277	.7120	.7153	.9365	.8485	225.00
247.50	.4994	.4812	.4381	.3722	.3183	.3138	.3136	.3134	.3118	.3037	.4299	.3879	247.50
270.00	.1704	.1587	.1355	.0894	.0730	.0759	.0689	.0753	.0794	.0690	.1148	.1120	270.00
292.50	.0192	.0141	.0038	-.0091	-.0189	-.0160	-.0227	-.0163	-.0142	-.0095	-.0123	-.0024	292.50
315.00	-.0264	-.0282	-.0215	-.0165	-.0214	-.0219	-.0229	-.0183	-.0176	-.0086	-.0173	-.0118	315.00
337.50		-.0299	-.0240	-.0191	-.0220	-.0229	-.0227	-.0188	-.0180	-.0096	-.0164	-.0155	337.50