APPENDIX B

"RELATIVE ENERGY FLUX DENSITIES IN THE PENUMBRAE

OF VARIOUS SHADOWING OBJECTS"

of

"ANALYSIS OF THERMAL TEST ERRORS RESULTING FROM

IMPERFECTLY COLLIMATED SOLAR SIMULATION BEAMS"

JPL CONTRACT NO. 951330   PHASE I

for

Jet Propulsion Laboratory
Pasadena, California

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MSC Project No: EC-34

Prepared by: _Edwin J. Gooze_

Edwin J. Gooze

John J. Brooks

John J. Brooks

Approved by: _Arlyn F. Winemiller_

Arlyn F. Winemiller

THE MACNEAL-SCHWENDLER CORPORATION
2556 Mission Street
San Marino, California

369

"RELATIVE ENERGY FLUX DENSITIES IN THE PENUMBRAE
OF VARIOUS SHADOWING OBJECTS"

The shadow casting objects for which data has been computed and in-
cluded in this volume fall into the two general configurations of black
skirts and black rectangular cylinders. The term black is intended to de-
note that none of relative energy flux density data in this volume contains
any contribution due to reflection off the shadowing object. In all cases,
the shadowing objects are considered to be infinite in length.

The two general configurations of shadowing objects include other ob-
jects as subsets. The black skirt contains the single knife-edge case,
which corresponds to a shape factor of $D1/D2 = 0$. The rectangular cylinder
contains the double knife-edge, the circular cylinder, and regular polygonal
cylinders. The double knife-edge is represented by the limiting shape fac-
tor of $H/R = 0$. The circular cylinder can be shown to be the same as the
double knife-edge for the range of solar field angles being considered.
Regular polygonal cylinders with an even number of sides can be considered
to be rectangular cylinders whose half-height is equal to one-half the width
of the vertical polygon flats, and whose half-width is equal to one-half the
distance across the vertical polygon flats.

The tabulated data includes a range of solar field angles which are
0.5°, 1.0°, 3.0°, 5.0°, 10.0°, and 15.0°. Positive and negative receiver

angles from zero to nearly 90° by 10° increments are included. Only the positive angles are shown for the rectangular cylinder since symmetry obviates the need to include negative angles.

GLOSSARY OF SYMBOLS

D = the solar field angle.

β(BETA) = the angle between the receiver and the horizontal. The positive direction is shown in the accompanying figures.

Q = the relative energy flux density in the penumbra. This is the energy flux density in the penumbra normalized to that outside the penumbra for the same receiver angle, β.

D1 = the distance from the receiver to the bottom of the skirt.

D2 = the distance from the receiver to the top of a skirt, or the centroid of a rectangular cylinder.

AX/AB = the relative position in the penumbra as measured from its left outer edge.

H = the half-height of a rectangular cylinder.

R = the half-width of a rectangular cylinder.
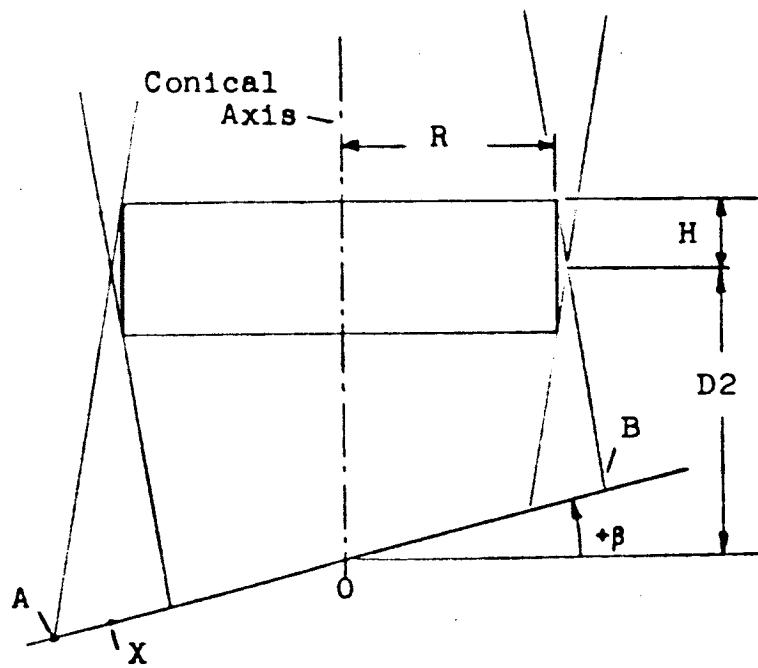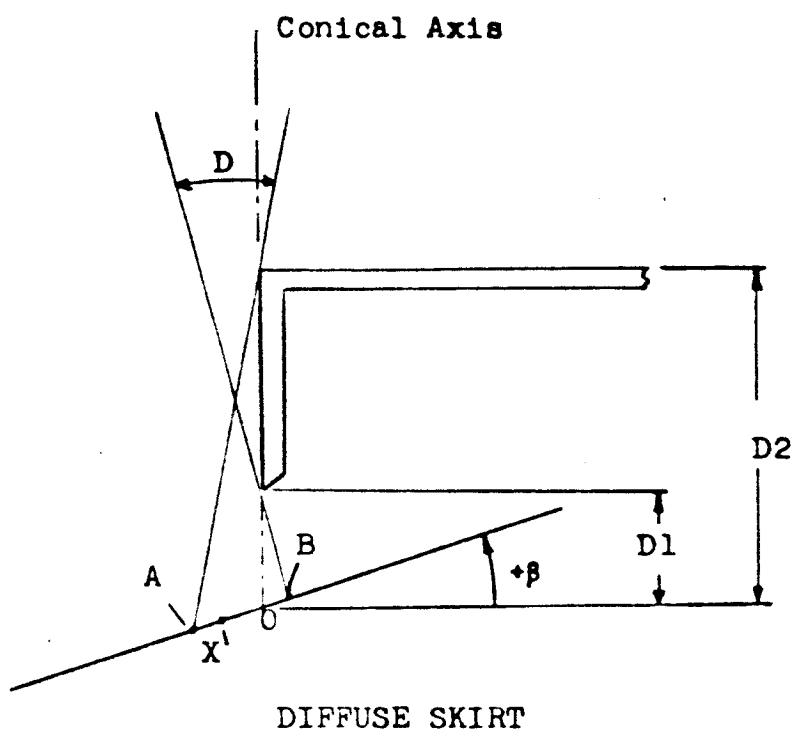
AO = the distance from the left outer edge of the penumbra to the conical axis, or plumbline.

AB = the length of the penumbra.

AO/AB = the relative position of the conical axis, or plumbline, and may be found by means of the following formula:

$$AO/AB = \frac{1 + (D/2)\tan\beta}{1 + (D/2)\tan\beta + (1 - (D/2)\tan\beta)\frac{D1}{D2}}$$

where D1/D2 = 1. for a rectangular cylinder.

4

DIFFUSE SKIRT

RECTANGULAR CYLINDER

5

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-89.25	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9952	0.9975	0.9976	0.9976	0.9976
0.050	0.9868	0.9929	0.9931	0.9932	0.9933
0.075	0.9763	0.9871	0.9875	0.9876	0.9877
0.100	0.9643	0.9802	0.9808	0.9810	0.9811
0.125	0.9512	0.9725	0.9733	0.9735	0.9737
0.150	0.9372	0.9641	0.9650	0.9654	0.9655
0.175	0.9226	0.9550	0.9561	0.9565	0.9568
0.200	0.9074	0.9453	0.9467	0.9471	0.9474
0.225	0.8918	0.9351	0.9367	0.937	
0.250	0.8759	0.9243	0.9262	0. 2	0.9271
0.275	0.8597	0.9132	0.9152	0.915	0.
0.300	0.8434	0.9016	0.9039	0.9046	0.9
0.325	0.8269	0.8897	0.8921	0.8930	
0.350	0.8104	0.8774	0. 00	0.8809	0.88
0.375	0.7939	0.8648	0.8676	0.8686	
0.400	0.7774	0.8519	0.8546	0.8559	0.
0.425	0.7609	0.8387	0.8418	0.8429	0. 35
0.450	0.7445	0.8253	0.8285	0.8297	0.8303
0.475	0.7282	0.8118	0.8150	0.8162	0.8168
0.500	0.7121	0.7 77	0.8012	0.8024	0.8031
0.525	0.6961	0.7 38	0.7872	0.7885	0.7891
0.550	0.6802	0.769	0.7730	0.7743	0.7750
0.575	0.6645	0.7548	0.7586	0.7599	0.7606
0.600	0.6489	0.7402	0.7440	0.7454	0.7461
0.625	0.6336	0.7254	0.7293	0.7307	0.7314
0.650	0.6185	0.7105	0.7145	0.7158	0.7166
0.675	0.6035	0.6955	0.6995	0.7008	0.7016
0.700	0.5885	0.6804	0.6843	0.6857	0.6865
0.725	0.5743	0.6652	0.6691	0.6705	0.6712
0.750	0.5599	0.6499	0.6538	0.6552	0.6559
0.775	0.5459	0.6345	0.6384	0.6397	0.6404
0.800	0.5320	0.6191	0.6229	0.6242	0.
0.825	0.5184	0.6036	0.6073	0.6086	0.
0.850	0.5050	0.5881	0.5917	0.5930	0. 37
0.875	0.4918	0.5726	0.5761	0.5773	0.5779
0.900	0.4788	0.5570	0.5604	0.5615	0.5622
0.925	0.4661	0.5414	0.5447	0.5458	0.5464
0.950	0.4536	0.5259	0.5289	0.5300	0.5306
0.975	0.4413	0.5103	0.5132	0.5142	0.5147
1.000	0.4293	0.4947	0.4975	0.4984	0.4989

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9976	0.9976	0.9976	0.9976	0.9976
0.050	0.9933	0.9933	0.9933	0.9933	0.9933
0.075	0.9877	0.9377	0.9878	0.9878	0.9878
0.100	0.9312	0.9812	0.9812	0.9813	0.9813
0.125	0.9738	0.9738	0.9739	0.9739	0.9740
0.150	0.9657	0.9657	0.9658	0.9659	0.9659
0.175	0.9569	0.9570	0.9571	0.9572	0.9572
0.200	0.9476	0.9477	0.9478	0.9479	0.9480
0.225	0.9377	0.9378	0.9380	0.9381	0.9381
0.250	0.9273	0.9275	0.9276	0.9277	0.9279
0.275	0.9165	0.9167	0.9169	0.9170	0.9171
0.300	0.9053	0.9055	0.9057	0.9058	0.9059
0.325	0.8937	0.8939	0.8941	0.8942	0.8944
0.350	0.8817	0.8820	0.8821	0.8823	0.8825
0.375	0.8694	0.8697	0.8699	0.8700	0.8702
0.400	0.8568	0.8570	0.8573	0.8574	0.8576
0.425	0.8439	0.8441	0.8444	0.8446	0.8447
0.450	0.8306	0.8309	0.8312	0.8314	0.8316
0.475	0.8172	0.8175	0.8177	0.8180	0.8182
0.500	0.8035	0.8038	0.8041	0.8043	0.8045
0.525	0.7896	0.7899	0.7902	0.7904	0.7905
0.550	0.7754	0.7758	0.7760	0.7763	0.7765
0.575	0.7611	0.7614	0.7617	0.7620	0.7622
0.600	0.7466	0.7469	0.7472	0.7475	0.7477
0.625	0.7319	0.7322	0.7325	0.7328	0.7330
0.650	0.7170	0.7174	0.7177	0.7179	0.7182
0.675	0.7021	0.7024	0.7027	0.7030	0.7032
0.700	0.6869	0.6873	0.6876	0.6878	0.6881
0.725	0.6717	0.6721	0.6723	0.6726	0.6728
0.750	0.6564	0.6567	0.6570	0.6572	0.6575
0.775	0.6409	0.6413	0.6415	0.6418	0.6420
0.800	0.6254	0.6257	0.6260	0.6262	0.6265
0.825	0.6098	0.6101	0.6104	0.6106	0.6108
0.850	0.5941	0.5944	0.5947	0.5949	0.5951
0.875	0.5784	0.5787	0.5789	0.5792	0.5794
0.900	0.5626	0.5629	0.5631	0.5633	0.5636
0.925	0.5468	0.5471	0.5473	0.5475	0.5477
0.950	0.5309	0.5312	0.5314	0.5316	0.5318
0.975	0.5151	0.5153	0.5156	0.5157	0.5159
1.000	0.4992	0.4995	0.4997	0.4998	0.5000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9976	0.9976	0.9977	0.9977	0.9977
0.050	0.9934	0.9934	0.9934	0.9934	0.9934
0.075	0.9878	0.9879	0.9879	0.9879	0.9880
0.100	0.9813	0.9814	0.9814	0.9815	0.9815
0.125	0.9740	0.9741	0.9741	0.9742	0.9743
0.150	0.9660	0.9660	0.9661	0.9662	0.9663
0.175	0.9573	0.9574	0.9575	0.9576	0.9577
0.200	0.9480	0.9481	0.9482	0.9483	0.9485
0.225	0.9382	0.9383	0.9385	0.9386	0.9388
0.250	0.9280	0.9281	0.9282	0.9284	0.9286
0.275	0.9172	0.9174	0.9175	0.9177	0.9179
0.300	0.9061	0.9062	0.9064	0.9066	0.9068
0.325	0.8945	0.8947	0.8949	0.8951	0.8954
0.350	0.8826	0.8828	0.8830	0.8832	0.8835
0.375	0.8704	0.8705	0.8707	0.8710	0.8713
0.400	0.8578	0.8580	0.8582	0.8585	0.8588
0.425	0.8449	0.8451	0.8454	0.8456	0.8460
0.450	0.8318	0.8320	0.8322	0.8325	0.8329
0.475	0.8184	0.8186	0.8188	0.8191	0.8195
0.500	0.8047	0.8049	0.8052	0.8055	0.8059
0.525	0.7908	0.7911	0.7913	0.7916	0.7921
0.550	0.7767	0.7770	0.7772	0.7776	0.7780
0.575	0.7624	0.7627	0.7629	0.7633	0.7637
0.600	0.7479	0.7482	0.7484	0.7488	0.7493
0.625	0.7332	0.7335	0.7338	0.7341	0.7346
0.650	0.7184	0.7187	0.7190	0.7193	0.7198
0.675	0.7034	0.7037	0.7040	0.7043	0.7048
0.700	0.6883	0.6886	0.6889	0.6892	0.6897
0.725	0.6731	0.6733	0.6736	0.6740	0.6745
0.750	0.6577	0.6580	0.6583	0.6586	0.6591
0.775	0.6423	0.6425	0.6428	0.6431	0.6436
0.800	0.6267	0.6269	0.6272	0.6276	0.6280
0.825	0.6111	0.6113	0.6116	0.6119	0.6124
0.850	0.5954	0.5956	0.5959	0.5962	0.5966
0.875	0.5796	0.5798	0.5801	0.5804	0.5808
0.900	0.5638	0.5640	0.5642	0.5645	0.5649
0.925	0.5479	0.5481	0.5483	0.5486	0.5490
0.950	0.5320	0.5322	0.5324	0.5327	0.5331
0.975	0.5161	0.5163	0.5165	0.5167	0.5171
1.000	0.5002	0.5003	0.5005	0.5008	0.5011

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY .... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9977	0.9977	0.9978	0.9991
0.050	0.9935	0.9935	0.9937	0.9975
0.075	0.9880	0.9881	0.9885	0.9953
0.100	0.9816	0.9818	0.9823	0.9927
0.125	0.9744	0.9747	0.9754	0.9896
0.150	0.9665	0.9668	0.9677	0.9861
0.175	0.9579	0.9583	0.9594	0.9822
0.200	0.9488	0.9492	0.9506	0.9780
0.225	0.9391	0.9396	0.9412	0.9733
0.250	0.9289	0.9295	0.9313	0.9682
0.275	0.9183	0.9190	0.9210	0.9627
0.300	0.9072	0.9080	0.9102	0.9568
0.325	0.8958	0.8966	0.8990	0.9505
0.350	0.8840	0.8849	0.8875	0.9438
0.375	0.8718	0.8728	0.8756	0.9366
0.400	0.8594	0.8604	0.8633	0.9290
0.425	0.8466	0.8477	0.8507	0.9209
0.450	0.8335	0.8346	0.8379	0.9124
0.475	0.8202	0.8213	0.8247	0.9034
0.500	0.8066	0.8078	0.8113	0.8938
0.525	0.7928	0.7940	0.7976	0.8838
0.550	0.7787	0.7800	0.7837	0.8732
0.575	0.7644	0.7658	0.7696	0.8621
0.600	0.7500	0.7513	0.7552	0.8504
0.625	0.7353	0.7367	0.7406	0.8382
0.650	0.7205	0.7219	0.7259	0.8253
0.675	0.7056	0.7069	0.7109	0.8118
0.700	0.6904	0.6918	0.6958	0.7977
0.725	0.6752	0.6766	0.6806	0.7829
0.750	0.6598	0.6612	0.6651	0.7675
0.775	0.6443	0.6457	0.6496	0.7513
0.800	0.6287	0.6301	0.6339	0.7344
0.825	0.6131	0.6144	0.6181	0.7168
0.850	0.5973	0.5986	0.6022	0.6984
0.875	0.5815	0.5827	0.5862	0.6792
0.900	0.5656	0.5668	0.5702	0.6592
0.925	0.5496	0.5508	0.5540	0.6384
0.950	0.5336	0.5347	0.5378	0.6167
0.975	0.5176	0.5186	0.5216	0.5941
1.000	0.5016	0.5025	0.5052	0.5707

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY .... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-89.25	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9913	0.9964	0.9966	0.9966	0.9966
0.050	0.9763	0.9900	0.9904	0.9905	0.9906
0.075	0.9579	0.9818	0.9824	0.9826	0.9828
0.100	0.9373	0.9721	0.9731	0.9734	0.9736
0.125	0.9151	0.9613	0.9626	0.9631	0.9633
0.150	0.8918	0.9495	0.9511	0.9517	0.9520
0.175	0.8678	0.9367	0.9388	0.9395	0.9398
0.200	0.8434	0.9232	0.9256	0.9265	0.9269
0.225	0.8187	0.9090	0.9118	0.9128	0.9133
0.250	0.7939	0.8942	0.8973	0.8984	0.8990
0.275	0.7691	0.8788	0.8823	0.8835	0.8841
0.300	0.7445	0.8628	0.8667	0.8680	0.8687
0.325	0.7202	0.8464	0.8506	0.8520	0.8528
0.350	0.6961	0.8296	0.8341	0.8356	0.8364
0.375	0.6723	0.8124	0.8171	0.8188	0.8196
0.400	0.6490	0.7948	0.7998	0.8016	0.8025
0.425	0.6260	0.7769	0.7822	0.7840	0.7850
0.450	0.6035	0.7588	0.7643	0.7661	0.7672
0.475	0.5815	0.7403	0.7460	0.7480	0.7490
0.500	0.5600	0.7217	0.7275	0.7296	0.7306
0.525	0.5389	0.7028	0.7088	0.7109	0.7120
0.550	0.5184	0.6837	0.6899	0.6920	0.6932
0.575	0.4984	0.6645	0.6708	0.6730	0.6741
0.600	0.4788	0.6452	0.6516	0.6537	0.6549
0.625	0.4598	0.6258	0.6322	0.6344	0.6356
0.650	0.4413	0.6063	0.6127	0.6149	0.6161
0.675	0.4059	0.5867	0.5931	0.5953	0.5965
0.700	0.3409	0.5670	0.5734	0.5756	0.5768
0.725	0.2833	0.5474	0.5537	0.5559	0.5570
0.750	0.2326	0.5277	0.5339	0.5361	0.5372
0.775	0.1882	0.5081	0.5142	0.5163	0.5174
0.800	0.1496	0.4696	0.4852	0.4907	0.4936
0.825	0.1162	0.3922	0.4068	0.4119	0.4146
0.850	0.0876	0.3170	0.3301	0.3346	0.3371
0.875	0.0634	0.2453	0.2563	0.2603	0.2623
0.900	0.0432	0.1783	0.1870	0.1901	0.1918
0.925	0.0267	0.1175	0.1237	0.1259	0.1271
0.950	0.0139	0.0648	0.0685	0.0698	0.0706
0.975	0.0047	0.0232	0.0246	0.0251	0.0254
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=    0.50 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9967	0.9967	0.9967	0.9967	0.9967
0.050	0.9906	0.9906	0.9907	0.9907	0.9907
0.075	0.9828	0.9829	0.9829	0.9830	0.9830
0.100	0.9737	0.9733	0.9739	0.9739	0.9740
0.125	0.9634	0.9636	0.9637	0.9637	0.9638
0.150	0.9522	0.9523	0.9525	0.9526	0.9527
0.175	0.9401	0.9403	0.9404	0.9405	0.9406
0.200	0.9272	0.9274	0.9276	0.9277	0.9279
0.225	0.9136	0.9138	0.9140	0.9142	0.9144
0.250	0.8993	0.8996	0.8998	0.9000	0.9002
0.275	0.8845	0.8848	0.8851	0.8853	0.8855
0.300	0.8691	0.8695	0.8697	0.8700	0.8702
0.325	0.8533	0.8536	0.8539	0.8542	0.8544
0.350	0.8369	0.8373	0.8377	0.8379	0.8382
0.375	0.8202	0.8206	0.8210	0.8213	0.8215
0.400	0.8031	0.8035	0.8039	0.8042	0.8045
0.425	0.7856	0.7861	0.7864	0.7868	0.7871
0.450	0.7678	0.7683	0.7687	0.7690	0.7694
0.475	0.7497	0.7502	0.7506	0.7510	0.7513
0.500	0.7313	0.7319	0.7323	0.7327	0.7330
0.525	0.7127	0.7133	0.7137	0.7141	0.7144
0.550	0.6939	0.6945	0.6949	0.6953	0.6957
0.575	0.6749	0.6754	0.6759	0.6763	0.6767
0.600	0.6557	0.6562	0.6567	0.6571	0.6575
0.625	0.6363	0.6369	0.6374	0.6378	0.6381
0.650	0.6168	0.6174	0.6179	0.6183	0.6187
0.675	0.5972	0.5978	0.5983	0.5987	0.5991
0.700	0.5775	0.5781	0.5786	0.5790	0.5794
0.725	0.5578	0.5584	0.5588	0.5592	0.5596
0.750	0.5380	0.5385	0.5390	0.5394	0.5398
0.775	0.5181	0.5187	0.5191	0.5195	0.5199
0.800	0.4955	0.4969	0.4980	0.4991	0.5000
0.825	0.4164	0.4177	0.4188	0.4197	0.4206
0.850	0.3387	0.3399	0.3409	0.3417	0.3425
0.875	0.2637	0.2647	0.2656	0.2663	0.2670
0.900	0.1929	0.1937	0.1944	0.1949	0.1955
0.925	0.1279	0.1285	0.1290	0.1294	0.1298
0.950	0.0710	0.0714	0.0717	0.0719	0.0721
0.975	0.0256	0.0257	0.0258	0.0259	0.0260
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9967	0.9967	0.9967	0.9967	0.9968
0.050	0.9907	0.9908	0.9908	0.9908	0.9909
0.075	0.9831	0.9831	0.9831	0.9832	0.9833
0.100	0.9740	0.9741	0.9742	0.9742	0.9744
0.125	0.9639	0.9640	0.9641	0.9642	0.9643
0.150	0.9528	0.9529	0.9530	0.9531	0.9533
0.175	0.9408	0.9409	0.9410	0.9412	0.9414
0.200	0.9280	0.9281	0.9283	0.9285	0.9288
0.225	0.9145	0.9147	0.9149	0.9151	0.9154
0.250	0.9004	0.9006	0.9008	0.9011	0.9014
0.275	0.9357	0.8859	0.8561	0.8864	0.8869
0.300	0.8704	0.8707	0.8709	0.8713	0.8717
0.325	0.8547	0.8549	0.8552	0.8556	0.8561
0.350	0.8385	0.8387	0.8391	0.8394	0.8400
0.375	0.8218	0.8221	0.8225	0.8229	0.8234
0.400	0.8048	0.8051	0.8055	0.8059	0.8065
0.425	0.7874	0.7877	0.7881	0.7886	0.7892
0.450	0.7697	0.7700	0.7704	0.7709	0.7716
0.475	0.7517	0.7520	0.7524	0.7529	0.7536
0.500	0.7334	0.7337	0.7342	0.7347	0.7354
0.525	0.7148	0.7152	0.7156	0.7162	0.7169
0.550	0.6960	0.6964	0.6969	0.6974	0.6981
0.575	0.6770	0.6774	0.6779	0.6784	0.6792
0.600	0.6579	0.6583	0.6587	0.6593	0.6600
0.625	0.6385	0.6389	0.6394	0.6400	0.6407
0.650	0.6190	0.6195	0.6199	0.6205	0.6213
0.675	0.5994	0.5999	0.6003	0.6009	0.6017
0.700	0.5798	0.5802	0.5806	0.5812	0.5820
0.725	0.5600	0.5604	0.5608	0.5614	0.5622
0.750	0.5401	0.5405	0.5410	0.5415	0.5423
0.775	0.5203	0.5206	0.5211	0.5216	0.5224
0.800	0.5004	0.5007	0.5012	0.5017	0.5024
0.825	0.4215	0.4225	0.4236	0.4249	0.4267
0.850	0.3433	0.3442	0.3452	0.3464	0.3480
0.875	0.2677	0.2684	0.2693	0.2703	0.2717
0.900	0.1961	0.1966	0.1973	0.1981	0.1993
0.925	0.1302	0.1306	0.1311	0.1317	0.1325
0.950	0.0724	0.0726	0.0729	0.0733	0.0738
0.975	0.0261	0.0262	0.0263	0.0265	0.0267
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9968	0.9968	0.9969	0.9990
0.050	0.9909	0.9910	0.9914	0.9970
0.075	0.9834	0.9836	0.9842	0.9944
0.100	0.9745	0.9748	0.9757	0.9912
0.125	0.9646	0.9650	0.9662	0.9875
0.150	0.9536	0.9542	0.9557	0.9833
0.175	0.9418	0.9425	0.9444	0.9785
0.200	0.9292	0.9300	0.9323	0.9733
0.225	0.9159	0.9169	0.9195	0.9675
0.250	0.9020	0.9030	0.9060	0.9613
0.275	0.8875	0.8886	0.8919	0.9545
0.300	0.8724	0.8737	0.8773	0.9472
0.325	0.8568	0.8582	0.8622	0.9393
0.350	0.8408	0.8423	0.8465	0.9309
0.375	0.8243	0.8259	0.8304	0.9220
0.400	0.8074	0.8091	0.8139	0.9124
0.425	0.7902	0.7919	0.7970	0.9022
0.450	0.7726	0.7744	0.7797	0.8914
0.475	0.7546	0.7566	0.7621	0.8799
0.500	0.7364	0.7384	0.7442	0.8677
0.525	0.7180	0.7200	0.7259	0.8549
0.550	0.6993	0.7014	0.7074	0.8413
0.575	0.6803	0.6825	0.6886	0.8269
0.600	0.6612	0.6634	0.6696	0.8118
0.625	0.6419	0.6441	0.6504	0.7959
0.650	0.6224	0.6246	0.6310	0.7791
0.675	0.6028	0.6050	0.6114	0.7615
0.700	0.5831	0.5853	0.5917	0.7429
0.725	0.5633	0.5655	0.5718	0.7235
0.750	0.5434	0.5456	0.5518	0.7031
0.775	0.5235	0.5256	0.5317	0.6816
0.800	0.5035	0.5056	0.5116	0.6592
0.825	0.4294	0.4346	0.4496	0.6357
0.850	0.3505	0.3552	0.3688	0.6111
0.875	0.2738	0.2779	0.2897	0.5855
0.900	0.2010	0.2042	0.2138	0.5211
0.925	0.1337	0.1361	0.1430	0.3964
0.950	0.0745	0.0759	0.0801	0.2554
0.975	0.0269	0.0275	0.0291	0.1082
1.000	0.0000	0.0000	0.0000	0.0000

14

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-89.25	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	. Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9868	0.9953	0.9955	0.9956	0.9956
0.050	0.9643	0.9868	0.9873	0.9875	0.9876
0.075	0.9373	0.9759	0.9769	0.9772	0.9774
0.100	0.9074	0.9632	0.9646	0.9651	0.9654
0.125	0.8759	0.9490	0.9509	0.9516	0.9519
0.150	0.8434	0.9335	0.9359	0.9367	0.9372
0.175	0.8104	0.9168	0.9198	0.9208	0.9214
0.200	0.7774	0.8992	0.9027	0.9039	0.9046
0.225	0.7445	0.8508	0.8848	0.8862	0.8869
0.250	0.7121	0.8615	0.8661	0.8676	0.8684
0.275	0.6802	0.8416	0.8466	0.8483	0.8492
0.300	0.6490	0.8211	0.8266	0.8284	0.8294
0.325	0.6165	0.8001	0.8059	0.8080	0.8090
0.350	0.5838	0.7785	0.7848	0.7870	0.7881
0.375	0.5600	0.7565	0.7632	0.7655	0.7667
0.400	0.5320	0.7342	0.7412	0.7436	0.7449
0.425	0.5050	0.7116	0.7188	0.7214	0.7227
0.450	0.4789	0.6886	0.6962	0.6988	0.7002
0.475	0.4536	0.6655	0.6732	0.6759	0.6773
0.500	0.4293	0.6421	0.6501	0.6528	0.6543
0.525	0.3834	0.6186	0.6267	0.6295	0.6310
0.550	0.3408	0.5950	0.6032	0.6060	0.6075
0.575	0.3016	0.5713	0.5795	0.5824	0.5839
0.600	0.2656	0.5475	0.5558	0.5587	0.5602
0.625	0.2326	0.5238	0.5320	0.5349	0.5364
0.650	0.2023	0.5000	0.5082	0.5111	0.5126
0.675	0.1747	0.4580	0.4715	0.4761	0.4786
0.700	0.1496	0.4112	0.4242	0.4287	0.4311
0.725	0.1268	0.3651	0.3774	0.3818	0.3841
0.750	0.1062	0.3200	0.3315	0.3356	0.3377
0.775	0.0876	0.2761	0.2867	0.2904	0.2924
0.800	0.0710	0.2337	0.2432	0.2465	0.2483
0.825	0.0562	0.1931	0.2014	0.2043	0.2059
0.850	0.0432	0.1546	0.1616	0.1641	0.1654
0.875	0.0318	0.1187	0.1243	0.1263	0.1274
0.900	0.0220	0.0856	0.0899	0.0914	0.0922
0.925	0.0139	0.0560	0.0590	0.0600	0.0606
0.950	0.0073	0.0307	0.0324	0.0330	0.0333
0.975	0.0025	0.0109	0.0116	0.0118	0.0119
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY .... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	. Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9956	0.9956	0.9956	0.9957	0.9957
0.050	0.9877	0.9877	0.9877	0.9878	0.9878
0.075	0.9775	0.9776	0.9776	0.9777	0.9777
0.100	0.9655	0.9657	0.9658	0.9658	0.9659
0.125	0.9521	0.9523	0.9524	0.9526	0.9527
0.150	0.9375	0.9377	0.9379	0.9380	0.9381
0.175	0.9217	0.9220	0.9222	0.9224	0.9225
0.200	0.9050	0.9053	0.9055	0.9057	0.9059
0.225	0.8874	0.8877	0.8880	0.8882	0.8885
0.250	0.8689	0.8693	0.8697	0.8699	0.8702
0.275	0.8498	0.8503	0.8506	0.8509	0.8512
0.300	0.8301	0.8305	0.8309	0.8313	0.8316
0.325	0.8097	0.8102	0.8106	0.8110	0.8114
0.350	0.7888	0.7894	0.7898	0.7902	0.7906
0.375	0.7675	0.7681	0.7686	0.7690	0.7694
0.400	0.7457	0.7463	0.7468	0.7473	0.7477
0.425	0.7236	0.7242	0.7247	0.7252	0.7256
0.450	0.7011	0.7017	0.7023	0.7028	0.7032
0.475	0.6783	0.6790	0.6795	0.6800	0.6805
0.500	0.6552	0.6559	0.6565	0.6570	0.6575
0.525	0.6320	0.6327	0.6333	0.6338	0.6343
0.550	0.6085	0.6092	0.6098	0.6103	0.6108
0.575	0.5849	0.5856	0.5862	0.5868	0.5873
0.600	0.5612	0.5619	0.5625	0.5631	0.5636
0.625	0.5374	0.5381	0.5387	0.5393	0.5398
0.650	0.5136	0.5143	0.5149	0.5154	0.5159
0.675	0.4802	0.4814	0.4824	0.4833	0.4841
0.700	0.4327	0.4339	0.4348	0.4357	0.4364
0.725	0.3856	0.3867	0.3876	0.3884	0.3892
0.750	0.3391	0.3402	0.3411	0.3418	0.3425
0.775	0.2937	0.2947	0.2954	0.2961	0.2968
0.800	0.2495	0.2504	0.2511	0.2517	0.2523
0.825	0.2069	0.2077	0.2083	0.2089	0.2094
0.850	0.1663	0.1670	0.1675	0.1680	0.1684
0.875	0.1281	0.1286	0.1291	0.1294	0.1298
0.900	0.0928	0.0932	0.0935	0.0938	0.0941
0.925	0.0610	0.0612	0.0615	0.0617	0.0619
0.950	0.0336	0.0337	0.0339	0.0340	0.0341
0.975	0.0120	0.0121	0.0121	0.0121	0.0122
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9957	0.9957	0.9957	0.9957	0.9957
0.050	0.9878	0.9379	0.9879	0.9880	0.9880
0.075	0.9778	0.9779	0.9779	0.9780	0.9781
0.100	0.9660	0.9661	0.9662	0.9663	0.9665
0.125	0.9528	0.9529	0.9530	0.9532	0.9534
0.150	0.9383	0.9384	0.9386	0.9388	0.9391
0.175	0.9227	0.9229	0.9231	0.9233	0.9237
0.200	0.9061	0.9064	0.9066	0.9069	0.9073
0.225	0.8887	0.8889	0.8892	0.8896	0.8900
0.250	0.8705	0.8707	0.8711	0.8714	0.8720
0.275	0.8515	0.8518	0.8522	0.8526	0.8532
0.300	0.8319	0.8322	0.8326	0.8331	0.8337
0.325	0.8117	0.8121	0.8125	0.8130	0.8137
0.350	0.7910	0.7914	0.7918	0.7924	0.7931
0.375	0.7698	0.7702	0.7706	0.7712	0.7720
0.400	0.7481	0.7485	0.7490	0.7496	0.7505
0.425	0.7260	0.7265	0.7270	0.7277	0.7285
0.450	0.7036	0.7041	0.7047	0.7053	0.7062
0.475	0.6809	0.6814	0.6820	0.6827	0.6836
0.500	0.6580	0.6585	0.6590	0.6597	0.6607
0.525	0.6347	0.6353	0.6358	0.6366	0.6375
0.550	0.6113	0.6118	0.6124	0.6132	0.6141
0.575	0.5878	0.5883	0.5889	0.5896	0.5906
0.600	0.5641	0.5646	0.5652	0.5659	0.5669
0.625	0.5403	0.5408	0.5414	0.5421	0.5431
0.650	0.5164	0.5169	0.5175	0.5183	0.5192
0.675	0.4849	0.4858	0.4867	0.4879	0.4896
0.700	0.4372	0.4381	0.4390	0.4402	0.4418
0.725	0.3899	0.3907	0.3916	0.3928	0.3943
0.750	0.3432	0.3440	0.3449	0.3459	0.3473
0.775	0.2975	0.2982	0.2990	0.2999	0.3013
0.800	0.2529	0.2535	0.2543	0.2551	0.2563
0.825	0.2099	0.2105	0.2111	0.2119	0.2129
0.850	0.1689	0.1693	0.1699	0.1705	0.1714
0.875	0.1302	0.1305	0.1310	0.1315	0.1322
0.900	0.0943	0.0946	0.0950	0.0954	0.0959
0.925	0.0620	0.0622	0.0625	0.0628	0.0631
0.950	0.0342	0.0343	0.0344	0.0346	0.0348
0.975	0.0122	0.0123	0.0123	0.0124	0.0125
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

17

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9958	0.9958	0.9960	0.9988
0.050	0.9881	0.9883	0.9888	0.9965
0.075	0.9783	0.9786	0.9795	0.9934
0.100	0.9667	0.9672	0.9685	0.9896
0.125	0.9537	0.9544	0.9561	0.9852
0.150	0.9395	0.9403	0.9426	0.9801
0.175	0.9242	0.9252	0.9279	0.9745
0.200	0.9079	0.9091	0.9123	0.9682
0.225	0.8907	0.8921	0.8958	0.9613
0.250	0.8728	0.8743	0.8785	0.9537
0.275	0.8541	0.8557	0.8604	0.9455
0.300	0.8347	0.8365	0.8416	0.9366
0.325	0.8147	0.8167	0.8223	0.9270
0.350	0.7942	0.7963	0.8023	0.9167
0.375	0.7732	0.7754	0.7818	0.9056
0.400	0.7517	0.7541	0.7608	0.8938
0.425	0.7298	0.7323	0.7393	0.8812
0.450	0.7076	0.7101	0.7174	0.8677
0.475	0.6850	0.6876	0.6952	0.8534
0.500	0.6621	0.6648	0.6726	0.8382
0.525	0.6390	0.6418	0.6497	0.8220
0.550	0.6156	0.6185	0.6265	0.8048
0.575	0.5921	0.5950	0.6031	0.7867
0.600	0.5684	0.5713	0.5795	0.7675
0.625	0.5446	0.5475	0.5557	0.7471
0.650	0.5208	0.5236	0.5318	0.7257
0.675	0.4921	0.4967	0.5077	0.7030
0.700	0.4442	0.4488	0.4620	0.6792
0.725	0.3966	0.4010	0.4137	0.6541
0.750	0.3495	0.3537	0.3657	0.6276
0.775	0.3033	0.3071	0.3183	0.5998
0.800	0.2582	0.2616	0.2718	0.5707
0.825	0.2145	0.2176	0.2266	0.5082
0.850	0.1728	0.1754	0.1830	0.4400
0.875	0.1334	0.1355	0.1417	0.3664
0.900	0.0968	0.0984	0.1032	0.2879
0.925	0.0637	0.0648	0.0682	0.2061
0.950	0.0352	0.0358	0.0377	0.1241
0.975	0.0126	0.0128	0.0136	0.0488
1.000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY .... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-89.25	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9818	0.9940	0.9943	0.9944	0.9944
0.050	0.9512	0.9833	0.9840	0.9843	0.9844
0.075	0.9151	0.9695	0.9708	0.9713	0.9715
0.100	0.8759	0.9535	0.9555	0.9561	0.9565
0.125	0.8352	0.9357	0.9383	0.9392	0.9396
0.150	0.7939	0.9163	0.9195	0.9207	0.9212
0.175	0.7527	0.8955	0.8995	0.9008	0.9015
0.200	0.7121	0.8736	0.8782	0.8798	0.8806
0.225	0.6723	0.8507	0.8560	0.8578	0.8587
0.250	0.6336	0.8269	0.8328	0.8348	0.8359
0.275	0.5961	0.8023	0.8088	0.8110	0.8122
0.300	0.5600	0.7771	0.7841	0.7865	0.7878
0.325	0.5252	0.7512	0.7588	0.7614	0.7628
0.350	0.4918	0.7249	0.7330	0.7357	0.7372
0.375	0.4599	0.6982	0.7066	0.7095	0.7111
0.400	0.4293	0.6711	0.6799	0.6830	0.6846
0.425	0.3908	0.6438	0.6529	0.6560	0.6577
0.450	0.3546	0.6162	0.6256	0.6288	0.6305
0.475	0.3208	0.5885	0.5980	0.6013	0.6031
0.500	0.2893	0.5607	0.5704	0.5737	0.5755
0.525	0.2599	0.5329	0.5426	0.5459	0.5477
0.550	0.2326	0.5050	0.5148	0.5181	0.5199
0.575	0.2072	0.4715	0.4834	0.4876	0.4898
0.600	0.1836	0.4347	0.4465	0.4506	0.4528
0.625	0.1618	0.3983	0.4098	0.4138	0.4159
0.650	0.1417	0.3624	0.3734	0.3773	0.3794
0.675	0.1232	0.3271	0.3376	0.3413	0.3433
0.700	0.1062	0.2925	0.3024	0.3059	0.3078
0.725	0.0906	0.2588	0.2680	0.2713	0.2730
0.750	0.0763	0.2260	0.2345	0.2375	0.2391
0.775	0.0634	0.1944	0.2020	0.2047	0.2062
0.800	0.0517	0.1641	0.1708	0.1732	0.1745
0.825	0.0412	0.1352	0.1410	0.1431	0.1442
0.850	0.0318	0.1080	0.1129	0.1146	0.1155
0.875	0.0236	0.0827	0.0866	0.0879	0.0887
0.900	0.0164	0.0596	0.0624	0.0635	0.0640
0.925	0.0104	0.0389	0.0409	0.0416	0.0419
0.950	0.0055	0.0213	0.0224	0.0228	0.0230
0.975	0.0019	0.0076	0.0080	0.0081	0.0082
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9945	0.9945	0.9945	0.9945	0.9945
0.050	0.9845	0.9845	0.9846	0.9846	0.9847
0.075	0.9717	0.9718	0.9719	0.9720	0.9720
0.100	0.9567	0.9569	0.9570	0.9571	0.9572
0.125	0.9399	0.9402	0.9403	0.9405	0.9406
0.150	0.9216	0.9219	0.9221	0.9223	0.9225
0.175	0.9020	0.9023	0.9026	0.9029	0.9031
0.200	0.8812	0.8816	0.8819	0.8822	0.8825
0.225	0.8593	0.8598	0.8602	0.8605	0.8608
0.250	0.8366	0.8371	0.8375	0.8379	0.8382
0.275	0.8130	0.8135	0.8140	0.8144	0.8148
0.300	0.7886	0.7892	0.7897	0.7902	0.7906
0.325	0.7637	0.7643	0.7649	0.7653	0.7658
0.350	0.7381	0.7388	0.7394	0.7399	0.7404
0.375	0.7121	0.7128	0.7134	0.7139	0.7144
0.400	0.6856	0.6864	0.6870	0.6876	0.6881
0.425	0.6588	0.6596	0.6602	0.6608	0.6613
0.450	0.6316	0.6324	0.6331	0.6337	0.6343
0.475	0.6042	0.6051	0.6057	0.6063	0.6069
0.500	0.5766	0.5775	0.5782	0.5788	0.5794
0.525	0.5489	0.5498	0.5505	0.5511	0.5517
0.550	0.5211	0.5220	0.5227	0.5233	0.5239
0.575	0.4913	0.4923	0.4932	0.4940	0.4947
0.600	0.4542	0.4553	0.4561	0.4569	0.4576
0.625	0.4173	0.4183	0.4192	0.4199	0.4206
0.650	0.3807	0.3817	0.3825	0.3833	0.3839
0.675	0.3446	0.3455	0.3463	0.3470	0.3477
0.700	0.3090	0.3099	0.3107	0.3113	0.3119
0.725	0.2741	0.2750	0.2757	0.2763	0.2769
0.750	0.2401	0.2409	0.2415	0.2421	0.2426
0.775	0.2071	0.2078	0.2084	0.2089	0.2094
0.800	0.1753	0.1760	0.1765	0.1769	0.1773
0.825	0.1449	0.1454	0.1459	0.1463	0.1466
0.850	0.1161	0.1165	0.1169	0.1172	0.1175
0.875	0.0891	0.0895	0.0898	0.0900	0.0903
0.900	0.0644	0.0646	0.0649	0.0650	0.0652
0.925	0.0422	0.0424	0.0425	0.0426	0.0428
0.950	0.0232	0.0233	0.0233	0.0234	0.0235
0.975	0.0083	0.0083	0.0083	0.0084	0.0084
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9946	0.9946	0.9946	0.9946	0.9946
0.050	0.9847	0.9848	0.9848	0.9849	0.9850
0.075	0.9721	0.9722	0.9723	0.9724	0.9725
0.100	0.9573	0.9575	0.9576	0.9578	0.9580
0.125	0.9408	0.9410	0.9411	0.9414	0.9416
0.150	0.9227	0.9229	0.9231	0.9234	0.9238
0.175	0.9033	0.9036	0.9038	0.9042	0.9046
0.200	0.8827	0.8830	0.8833	0.8837	0.8843
0.225	0.8611	0.8614	0.8618	0.8622	0.8629
0.250	0.8385	0.8389	0.8393	0.8398	0.8405
0.275	0.8151	0.8156	0.8160	0.8166	0.8173
0.300	0.7910	0.7915	0.7920	0.7926	0.7934
0.325	0.7662	0.7667	0.7672	0.7679	0.7688
0.350	0.7408	0.7413	0.7419	0.7426	0.7435
0.375	0.7149	0.7155	0.7161	0.7168	0.7178
0.400	0.6886	0.6892	0.6898	0.6906	0.6916
0.425	0.6619	0.6624	0.6631	0.6639	0.6650
0.450	0.6348	0.6354	0.6361	0.6369	0.6380
0.475	0.6075	0.6081	0.6088	0.6096	0.6108
0.500	0.5799	0.5806	0.5813	0.5821	0.5833
0.525	0.5522	0.5529	0.5536	0.5544	0.5556
0.550	0.5245	0.5251	0.5258	0.5266	0.5278
0.575	0.4954	0.4962	0.4971	0.4981	0.4996
0.600	0.4583	0.4591	0.4599	0.4610	0.4624
0.625	0.4213	0.4221	0.4229	0.4240	0.4254
0.650	0.3846	0.3853	0.3862	0.3872	0.3885
0.675	0.3483	0.3490	0.3498	0.3508	0.3521
0.700	0.3125	0.3132	0.3139	0.3148	0.3161
0.725	0.2774	0.2780	0.2787	0.2796	0.2807
0.750	0.2432	0.2437	0.2444	0.2451	0.2462
0.775	0.2099	0.2104	0.2110	0.2117	0.2126
0.800	0.1778	0.1782	0.1787	0.1794	0.1802
0.825	0.1470	0.1474	0.1478	0.1484	0.1491
0.850	0.1178	0.1182	0.1185	0.1190	0.1196
0.875	0.0905	0.0908	0.0911	0.0915	0.0920
0.900	0.0654	0.0656	0.0658	0.0661	0.0665
0.925	0.0429	0.0430	0.0432	0.0434	0.0436
0.950	0.0236	0.0236	0.0237	0.0238	0.0240
0.975	0.0084	0.0084	0.0085	0.0085	0.0086
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ....... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9947	0.9948	0.9950	0.9986
0.050	0.9851	0.9853	0.9860	0.9959
0.075	0.9728	0.9732	0.9743	0.9923
0.100	0.9583	0.9589	0.9607	0.9879
0.125	0.9421	0.9429	0.9453	0.9827
0.150	0.9244	0.9254	0.9284	0.9768
0.175	0.9053	0.9066	0.9102	0.9701
0.200	0.8851	0.8866	0.8908	0.9627
0.225	0.8638	0.8655	0.8704	0.9545
0.250	0.8416	0.8435	0.8490	0.9455
0.275	0.8185	0.8205	0.8267	0.9357
0.300	0.7946	0.7970	0.8036	0.9250
0.325	0.7701	0.7726	0.7798	0.9135
0.350	0.7450	0.7477	0.7553	0.9010
0.375	0.7193	0.7221	0.7302	0.8876
0.400	0.6932	0.6961	0.7046	0.8732
0.425	0.6666	0.6697	0.6785	0.8578
0.450	0.6397	0.6429	0.6520	0.8413
0.475	0.6125	0.6157	0.6251	0.8236
0.500	0.5850	0.5883	0.5978	0.8048
0.525	0.5574	0.5607	0.5703	0.7848
0.550	0.5296	0.5330	0.5426	0.7635
0.575	0.5017	0.5051	0.5148	0.7408
0.600	0.4646	0.4637	0.4806	0.7168
0.625	0.4275	0.4315	0.4432	0.6913
0.650	0.3906	0.3945	0.4059	0.6643
0.675	0.3541	0.3578	0.3688	0.6357
0.700	0.3180	0.3215	0.3319	0.6055
0.725	0.2825	0.2859	0.2956	0.5737
0.750	0.2478	0.2509	0.2600	0.5296
0.775	0.2141	0.2169	0.2251	0.4816
0.800	0.1815	0.1840	0.1913	0.4305
0.825	0.1503	0.1524	0.1587	0.3765
0.850	0.1206	0.1224	0.1277	0.3198
0.875	0.0927	0.0942	0.0984	0.2609
0.900	0.0671	0.0681	0.0714	0.2006
0.925	0.0440	0.0448	0.0469	0.1403
0.950	0.0242	0.0246	0.0259	0.0824
0.975	0.0086	0.0088	0.0093	0.0315
1.000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ........ D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	−89.25	−80.00	−70.00	−60.00	−50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9763	0.9927	0.9930	0.9931	0.9932
0.050	0.9373	0.9795	0.9804	0.9808	0.9809
0.075	0.8918	0.9627	0.9644	0.9650	0.9653
0.100	0.8434	0.9432	0.9457	0.9466	0.9470
0.125	0.7939	0.9216	0.9249	0.9260	0.9266
0.150	0.7446	0.8980	0.9022	0.9036	0.9043
0.175	0.6961	0.8730	0.8779	0.8796	0.8805
0.200	0.6490	0.8466	0.8523	0.8543	0.8553
0.225	0.6035	0.8190	0.8256	0.8278	0.8290
0.250	0.5600	0.7905	0.7978	0.8003	0.8016
0.275	0.5184	0.7612	0.7692	0.7719	0.7733
0.300	0.4789	0.7312	0.7398	0.7427	0.7443
0.325	0.4414	0.7006	0.7097	0.7129	0.7145
0.350	0.4059	0.6696	0.6792	0.6825	0.6842
0.375	0.3724	0.6382	0.6482	0.6516	0.6535
0.400	0.3408	0.6065	0.6169	0.6204	0.6223
0.425	0.3111	0.5747	0.5853	0.5889	0.5909
0.450	0.2832	0.5428	0.5535	0.5572	0.5592
0.475	0.2571	0.5108	0.5217	0.5254	0.5274
0.500	0.2325	0.4790	0.4898	0.4936	0.4956
0.525	0.2096	0.4473	0.4581	0.4618	0.4638
0.550	0.1882	0.4159	0.4264	0.4301	0.4321
0.575	0.1682	0.3847	0.3951	0.3987	0.4006
0.600	0.1496	0.3540	0.3640	0.3675	0.3694
0.625	0.1323	0.3237	0.3333	0.3367	0.3385
0.650	0.1162	0.2939	0.3031	0.3064	0.3081
0.675	0.1014	0.2648	0.2735	0.2766	0.2782
0.700	0.0876	0.2364	0.2446	0.2474	0.2489
0.725	0.0750	0.2089	0.2163	0.2190	0.2204
0.750	0.0634	0.1822	0.1890	0.1914	0.1926
0.775	0.0528	0.1565	0.1626	0.1647	0.1659
0.800	0.0432	0.1319	0.1372	0.1391	0.1401
0.825	0.0345	0.1086	0.1131	0.1147	0.1156
0.850	0.0267	0.0867	0.0904	0.0917	0.0925
0.875	0.0199	0.0663	0.0693	0.0703	0.0709
0.900	0.0139	0.0477	0.0499	0.0507	0.0511
0.925	0.0088	0.0311	0.0326	0.0331	0.0334
0.950	0.0047	0.0170	0.0179	0.0182	0.0183
0.975	0.0016	0.0060	0.0064	0.0065	0.0065
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***
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SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9932	0.9933	0.9933	0.9933	0.9933
0.050	0.9810	0.9811	0.9812	0.9813	0.9813
0.075	0.9655	0.9656	0.9657	0.9658	0.9659
0.100	0.9473	0.9475	0.9477	0.9478	0.9480
0.125	0.9269	0.9272	0.9275	0.9277	0.9279
0.150	0.9048	0.9052	0.9054	0.9057	0.9059
0.175	0.8811	0.8815	0.8819	0.8822	0.8825
0.200	0.8560	0.8565	0.8569	0.8573	0.8576
0.225	0.8298	0.8303	0.8308	0.8312	0.8316
0.250	0.8025	0.8031	0.8036	0.8041	0.8045
0.275	0.7743	0.7750	0.7755	0.7760	0.7765
0.300	0.7453	0.7460	0.7466	0.7472	0.7477
0.325	0.7156	0.7164	0.7171	0.7176	0.7182
0.350	0.6854	0.6862	0.6869	0.6875	0.6881
0.375	0.6547	0.6555	0.6563	0.6569	0.6575
0.400	0.6235	0.6245	0.6252	0.6259	0.6265
0.425	0.5921	0.5931	0.5938	0.5945	0.5951
0.450	0.5605	0.5614	0.5622	0.5629	0.5636
0.475	0.5287	0.5297	0.5305	0.5312	0.5318
0.500	0.4969	0.4979	0.4987	0.4993	0.5000
0.525	0.4651	0.4661	0.4668	0.4675	0.4682
0.550	0.4334	0.4343	0.4351	0.4358	0.4364
0.575	0.4019	0.4028	0.4036	0.4042	0.4049
0.600	0.3706	0.3715	0.3723	0.3729	0.3735
0.625	0.3397	0.3406	0.3413	0.3419	0.3425
0.650	0.3092	0.3101	0.3107	0.3114	0.3119
0.675	0.2793	0.2801	0.2807	0.2813	0.2818
0.700	0.2499	0.2507	0.2513	0.2518	0.2523
0.725	0.2213	0.2220	0.2225	0.2230	0.2235
0.750	0.1935	0.1941	0.1946	0.1951	0.1955
0.775	0.1666	0.1672	0.1676	0.1680	0.1684
0.800	0.1408	0.1413	0.1417	0.1420	0.1424
0.825	0.1162	0.1166	0.1169	0.1173	0.1175
0.850	0.0929	0.0933	0.0936	0.0938	0.0941
0.875	0.0713	0.0715	0.0718	0.0720	0.0721
0.900	0.0514	0.0516	0.0518	0.0519	0.0520
0.925	0.0336	0.0338	0.0339	0.0340	0.0341
0.950	0.0184	0.0185	0.0186	0.0186	0.0187
0.975	0.0066	0.0066	0.0066	0.0066	0.0067
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9934	0.9934	0.9934	0.9934	0.9935
0.050	0.9814	0.9814	0.9815	0.9816	0.9817
0.075	0.9660	0.9661	0.9662	0.9664	0.9666
0.100	0.9481	0.9482	0.9484	0.9486	0.9489
0.125	0.9280	0.9282	0.9285	0.9287	0.9291
0.150	0.9062	0.9064	0.9067	0.9071	0.9075
0.175	0.8827	0.8831	0.8834	0.8838	0.8844
0.200	0.8580	0.8583	0.8587	0.8592	0.8599
0.225	0.8320	0.8324	0.8328	0.8334	0.8341
0.250	0.8049	0.8054	0.8059	0.8065	0.8074
0.275	0.7770	0.7775	0.7780	0.7787	0.7796
0.300	0.7482	0.7487	0.7493	0.7501	0.7511
0.325	0.7157	0.7193	0.7199	0.7207	0.7218
0.350	0.6886	0.6892	0.6899	0.6908	0.6919
0.375	0.6581	0.6587	0.6594	0.6603	0.6615
0.400	0.6271	0.6277	0.6285	0.6294	0.6306
0.425	0.5958	0.5964	0.5972	0.5981	0.5994
0.450	0.5642	0.5649	0.5657	0.5666	0.5679
0.475	0.5325	0.5332	0.5339	0.5349	0.5362
0.500	0.5007	0.5013	0.5021	0.5031	0.5044
0.525	0.4688	0.4695	0.4703	0.4713	0.4726
0.550	0.4371	0.4378	0.4386	0.4395	0.4408
0.575	0.4055	0.4062	0.4069	0.4079	0.4091
0.600	0.3741	0.3748	0.3755	0.3765	0.3777
0.625	0.3431	0.3437	0.3445	0.3453	0.3465
0.650	0.3125	0.3131	0.3138	0.3146	0.3158
0.675	0.2824	0.2829	0.2836	0.2844	0.2855
0.700	0.2528	0.2534	0.2540	0.2547	0.2557
0.725	0.2240	0.2245	0.2250	0.2257	0.2267
0.750	0.1959	0.1964	0.1969	0.1975	0.1984
0.775	0.1688	0.1692	0.1697	0.1702	0.1710
0.800	0.1427	0.1431	0.1435	0.1440	0.1447
0.825	0.1178	0.1181	0.1185	0.1189	0.1195
0.850	0.0943	0.0946	0.0948	0.0952	0.0957
0.875	0.0723	0.0725	0.0728	0.0731	0.0734
0.900	0.0522	0.0523	0.0525	0.0527	0.0530
0.925	0.0342	0.0343	0.0344	0.0345	0.0347
0.950	0.0187	0.0188	0.0189	0.0190	0.0191
0.975	0.0067	0.0067	0.0067	0.0068	0.0068
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY .... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9935	0.9936	0.9940	0.9984
0.050	0.9818	0.9821	0.9830	0.9953
0.075	0.9669	0.9674	0.9689	0.9912
0.100	0.9493	0.9501	0.9523	0.9861
0.125	0.9297	0.9307	0.9337	0.9801
0.150	0.9083	0.9096	0.9133	0.9733
0.175	0.8853	0.8869	0.8914	0.9655
0.200	0.8609	0.8628	0.8681	0.9568
0.225	0.8353	0.8374	0.8435	0.9472
0.250	0.8086	0.8110	0.8178	0.9366
0.275	0.7810	0.7837	0.7911	0.9250
0.300	0.7526	0.7554	0.7636	0.9124
0.325	0.7234	0.7265	0.7352	0.8986
0.350	0.6936	0.6969	0.7061	0.8838
0.375	0.6633	0.6667	0.6763	0.8677
0.400	0.6325	0.6360	0.6460	0.8504
0.425	0.6013	0.6049	0.6153	0.8318
0.450	0.5699	0.5736	0.5841	0.8118
0.475	0.5382	0.5419	0.5527	0.7904
0.500	0.5064	0.5102	0.5210	0.7675
0.525	0.4746	0.4783	0.4892	0.7429
0.550	0.4428	0.4465	0.4572	0.7168
0.575	0.4111	0.4147	0.4253	0.6889
0.600	0.3796	0.3831	0.3935	0.6592
0.625	0.3484	0.3518	0.3618	0.6276
0.650	0.3175	0.3208	0.3304	0.5941
0.675	0.2871	0.2902	0.2994	0.5586
0.700	0.2573	0.2602	0.2688	0.5211
0.725	0.2281	0.2308	0.2388	0.4816
0.750	0.1997	0.2022	0.2095	0.4400
0.775	0.1722	0.1744	0.1810	0.3965
0.800	0.1457	0.1477	0.1534	0.3510
0.825	0.1204	0.1221	0.1270	0.3039
0.850	0.0964	0.0978	0.1020	0.2554
0.875	0.0740	0.0751	0.0784	0.2061
0.900	0.0534	0.0543	0.0568	0.1566
0.925	0.0350	0.0356	0.0373	0.1082
0.950	0.0192	0.0196	0.0205	0.0627
0.975	0.0069	0.0070	0.0073	0.0237
1.000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY .... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	−89.00	−80.00	−70.00	−60.00	−50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9937	0.9973	0.9975	0.9975	0.9976
0.050	0.9826	0.9925	0.9930	0.9931	0.9932
0.075	0.9691	0.9864	0.9871	0.9874	0.9875
0.100	0.9538	0.9791	0.9803	0.9807	0.9809
0.125	0.9373	0.9710	0.9726	0.9731	0.9734
0.150	0.9200	0.9622	0.9641	0.9648	0.9652
0.175	0.9021	0.9527	0.9550	0.9559	0.9563
0.200	0.8838	0.9425	0.9454	0.9463	0.9468
0.225	0.8652	0.9319	0.9352	0.9363	0.9369
0.250	0.8465	0.9208	0.9245	0.9257	0.9264
0.275	0.8273	0.9092	0.9133	0.9147	0.9155
0.300	0.8091	0.8973	0.9018	0.9033	0.9041
0.325	0.7904	0.8849	0.8898	0.8915	0.8924
0.350	0.7720	0.8723	0.8776	0.8794	0.8803
0.375	0.7537	0.8593	0.8650	0.8669	0.8679
0.400	0.7356	0.8461	0.8521	0.8541	0.8552
0.425	0.7178	0.8326	0.8389	0.8411	0.8422
0.450	0.7002	0.8189	0.8255	0.8277	0.8289
0.475	0.6830	0.8050	0.8118	0.8141	0.8154
0.500	0.6660	0.7908	0.7979	0.8003	0.8016
0.525	0.6494	0.7765	0.7838	0.7863	0.7876
0.550	0.6330	0.7621	0.7695	0.7721	0.7735
0.575	0.6170	0.7475	0.7550	0.7577	0.7591
0.600	0.6014	0.7327	0.7404	0.7431	0.7445
0.625	0.5860	0.7179	0.7257	0.7284	0.7298
0.650	0.5710	0.7029	0.7108	0.7135	0.7150
0.675	0.5563	0.6879	0.6958	0.6985	0.7000
0.700	0.5420	0.6728	0.6806	0.6834	0.6848
0.725	0.5279	0.6576	0.6654	0.6682	0.6696
0.750	0.5142	0.6424	0.6501	0.6528	0.6543
0.775	0.5009	0.6271	0.6348	0.6374	0.6389
0.800	0.4878	0.6118	0.6193	0.6220	0.6234
0.825	0.4750	0.5965	0.6038	0.6064	0.6078
0.850	0.4626	0.5811	0.5883	0.5908	0.5922
0.875	0.4504	0.5658	0.5728	0.5752	0.5765
0.900	0.4385	0.5505	0.5572	0.5595	0.5608
0.925	0.4270	0.5352	0.5416	0.5439	0.5451
0.950	0.4157	0.5199	0.5260	0.5282	0.5293
0.975	0.4047	0.5047	0.5105	0.5125	0.5135
1.000	0.3939	0.4895	0.4949	0.4968	0.4978

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY .... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9976	0.9976	0.9976	0.9976	0.9976
0.050	0.9932	0.9933	0.9933	0.9933	0.9933
0.075	0.9876	0.9877	0.9877	0.9878	0.9878
0.100	0.9810	0.9811	0.9812	0.9812	0.9813
0.125	0.9736	0.9737	0.9738	0.9739	0.9740
0.150	0.9654	0.9656	0.9657	0.9658	0.9659
0.175	0.9566	0.9568	0.9569	0.9571	0.9572
0.200	0.9472	0.9474	0.9476	0.9478	0.9480
0.225	0.9372	0.9375	0.9378	0.9380	0.9381
0.250	0.9268	0.9271	0.9274	0.9276	0.9279
0.275	0.9160	0.9163	0.9166	0.9169	0.9171
0.300	0.9047	0.9051	0.9054	0.9057	0.9059
0.325	0.8930	0.8934	0.8938	0.8941	0.8944
0.350	0.8810	0.8814	0.8818	0.8821	0.8825
0.375	0.8686	0.8691	0.8695	0.8699	0.8702
0.400	0.8559	0.8565	0.8569	0.8573	0.8576
0.425	0.8430	0.8435	0.8440	0.8444	0.8447
0.450	0.8297	0.8303	0.8308	0.8312	0.8316
0.475	0.8162	0.8168	0.8173	0.8178	0.8182
0.500	0.8025	0.8031	0.8036	0.8041	0.8045
0.525	0.7885	0.7892	0.7897	0.7902	0.7906
0.550	0.7744	0.7750	0.7756	0.7760	0.7765
0.575	0.7600	0.7607	0.7612	0.7617	0.7622
0.600	0.7455	0.7462	0.7467	0.7472	0.7477
0.625	0.7308	0.7315	0.7320	0.7325	0.7330
0.650	0.7159	0.7166	0.7172	0.7177	0.7182
0.675	0.7009	0.7016	0.7022	0.7027	0.7032
0.700	0.6858	0.6865	0.6871	0.6876	0.6881
0.725	0.6706	0.6713	0.6718	0.6724	0.6728
0.750	0.6552	0.6559	0.6565	0.6570	0.6575
0.775	0.6398	0.6405	0.6411	0.6416	0.6420
0.800	0.6243	0.6250	0.6255	0.6260	0.6265
0.825	0.6087	0.6094	0.6099	0.6104	0.6108
0.850	0.5930	0.5937	0.5942	0.5947	0.5951
0.875	0.5773	0.5780	0.5785	0.5789	0.5794
0.900	0.5616	0.5622	0.5627	0.5631	0.5636
0.925	0.5458	0.5464	0.5469	0.5473	0.5477
0.950	0.5300	0.5306	0.5310	0.5314	0.5318
0.975	0.5142	0.5148	0.5152	0.5156	0.5159
1.000	0.4984	0.4989	0.4993	0.4997	0.5000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=    1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9976	0.9977	0.9977	0.9977	0.9977
0.050	0.9934	0.9934	0.9934	0.9935	0.9935
0.075	0.9879	0.9879	0.9880	0.9880	0.9881
0.100	0.9814	0.9814	0.9815	0.9816	0.9817
0.125	0.9741	0.9742	0.9743	0.9744	0.9746
0.150	0.9660	0.9662	0.9663	0.9665	0.9667
0.175	0.9574	0.9575	0.9577	0.9579	0.9582
0.200	0.9481	0.9483	0.9485	0.9487	0.9491
0.225	0.9383	0.9385	0.9388	0.9391	0.9394
0.250	0.9281	0.9283	0.9286	0.9289	0.9293
0.275	0.9173	0.9176	0.9179	0.9183	0.9187
0.300	0.9062	0.9065	0.9068	0.9072	0.9077
0.325	0.8947	0.8950	0.8953	0.8958	0.8963
0.350	0.8828	0.8831	0.8835	0.8839	0.8846
0.375	0.8705	0.8709	0.8713	0.8718	0.8725
0.400	0.8580	0.8584	0.8588	0.8593	0.8600
0.425	0.8451	0.8455	0.8460	0.8465	0.8473
0.450	0.8320	0.8324	0.8329	0.8335	0.8342
0.475	0.8186	0.8190	0.8195	0.8201	0.8209
0.500	0.8049	0.8054	0.8059	0.8065	0.8074
0.525	0.7910	0.7915	0.7920	0.7927	0.7936
0.550	0.7769	0.7774	0.7780	0.7786	0.7795
0.575	0.7626	0.7631	0.7637	0.7644	0.7653
0.600	0.7481	0.7486	0.7492	0.7499	0.7508
0.625	0.7335	0.7340	0.7346	0.7353	0.7362
0.650	0.7187	0.7192	0.7197	0.7205	0.7214
0.675	0.7037	0.7042	0.7048	0.7055	0.7064
0.700	0.6886	0.6891	0.6897	0.6904	0.6913
0.725	0.6733	0.6738	0.6744	0.6751	0.6761
0.750	0.6580	0.6585	0.6590	0.6597	0.6607
0.775	0.6425	0.6430	0.6436	0.6443	0.6452
0.800	0.6269	0.6274	0.6280	0.6287	0.6296
0.825	0.6113	0.6118	0.6123	0.6130	0.6139
0.850	0.5956	0.5960	0.5966	0.5972	0.5981
0.875	0.5798	0.5802	0.5808	0.5814	0.5822
0.900	0.5640	0.5644	0.5649	0.5655	0.5663
0.925	0.5481	0.5485	0.5490	0.5496	0.5503
0.950	0.5322	0.5326	0.5330	0.5336	0.5343
0.975	0.5163	0.5166	0.5171	0.5176	0.5183
1.000	0.5003	0.5007	0.5011	0.5015	0.5022

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9977	0.9978	0.9979	0.9996
0.050	0.9936	0.9937	0.9941	0.9988
0.075	0.9882	0.9885	0.9892	0.9977
0.100	0.9819	0.9823	0.9834	0.9963
0.125	0.9748	0.9753	0.9768	0.9947
0.150	0.9670	0.9677	0.9695	0.9928
0.175	0.9586	0.9594	0.9616	0.9907
0.200	0.9496	0.9505	0.9531	0.9883
0.225	0.9400	0.9411	0.9441	0.9857
0.250	0.9300	0.9312	0.9347	0.9828
0.275	0.9195	0.9208	0.9247	0.9796
0.300	0.9085	0.9101	0.9144	0.9761
0.325	0.8972	0.8989	0.9036	0.9722
0.350	0.8855	0.8873	0.8924	0.9680
0.375	0.8735	0.8754	0.8809	0.9635
0.400	0.8611	0.8631	0.8690	0.9585
0.425	0.8484	0.8506	0.8567	0.9532
0.450	0.8354	0.8377	0.8441	0.9474
0.475	0.8222	0.8245	0.8313	0.9411
0.500	0.8087	0.8111	0.8181	0.9344
0.525	0.7949	0.7974	0.8047	0.9271
0.550	0.7809	0.7835	0.7909	0.9192
0.575	0.7667	0.7693	0.7770	0.9107
0.600	0.7523	0.7550	0.7627	0.9015
0.625	0.7377	0.7404	0.7483	0.8916
0.650	0.7229	0.7256	0.7336	0.8809
0.675	0.7079	0.7107	0.7187	0.8695
0.700	0.6928	0.6956	0.7036	0.8571
0.725	0.6775	0.6803	0.6883	0.8437
0.750	0.6621	0.6649	0.6729	0.8293
0.775	0.6466	0.6494	0.6572	0.8138
0.800	0.6310	0.6337	0.6414	0.7971
0.825	0.6153	0.6179	0.6255	0.7791
0.850	0.5995	0.6020	0.6094	0.7596
0.875	0.5836	0.5860	0.5932	0.7386
0.900	0.5676	0.5700	0.5768	0.7160
0.925	0.5516	0.5538	0.5604	0.6915
0.950	0.5355	0.5376	0.5438	0.6652
0.975	0.5194	0.5214	0.5272	0.6367
1.000	0.5032	0.5051	0.5105	0.6061

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY .... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-89.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9857	0.9962	0.9965	0.9965	0.9966
0.050	0.9616	0.9893	0.9900	0.9903	0.9904
0.075	0.9331	0.9804	0.9818	0.9823	0.9825
0.100	0.9021	0.9701	0.9722	0.9729	0.9732
0.125	0.8699	0.9586	0.9614	0.9623	0.9628
0.150	0.8372	0.9461	0.9496	0.9507	0.9513
0.175	0.8044	0.9326	0.9369	0.9383	0.9390
0.200	0.7720	0.9184	0.9234	0.9251	0.9259
0.225	0.7401	0.9035	0.9092	0.9111	0.9121
0.250	0.7090	0.8879	0.8944	0.8966	0.8977
0.275	0.6787	0.8718	0.8790	0.8814	0.8827
0.300	0.6494	0.8552	0.8631	0.8657	0.8671
0.325	0.6211	0.8382	0.8467	0.8496	0.8511
0.350	0.5937	0.8208	0.8299	0.8330	0.8346
0.375	0.5674	0.8030	0.8127	0.8160	0.8177
0.400	0.5420	0.7849	0.7951	0.7986	0.8005
0.425	0.5177	0.7665	0.7773	0.7809	0.7829
0.450	0.4943	0.7479	0.7591	0.7629	0.7649
0.475	0.4719	0.7291	0.7407	0.7446	0.7467
0.500	0.4504	0.7101	0.7220	0.7261	0.7283
0.525	0.4299	0.6909	0.7032	0.7073	0.7096
0.550	0.4102	0.6717	0.6841	0.6884	0.6907
0.575	0.3836	0.6523	0.6649	0.6693	0.6716
0.600	0.3172	0.6328	0.6456	0.6500	0.6523
0.625	0.2615	0.6133	0.6262	0.6306	0.6330
0.650	0.2149	0.5938	0.6066	0.6111	0.6135
0.675	0.1758	0.5742	0.5871	0.5915	0.5939
0.700	0.1430	0.5546	0.5674	0.5718	0.5742
0.725	0.1154	0.5351	0.5478	0.5521	0.5545
0.750	0.0923	0.5156	0.5281	0.5324	0.5347
0.775	0.0730	0.4962	0.5084	0.5127	0.5149
0.800	0.0567	0.4393	0.4705	0.4814	0.4872
0.825	0.0432	0.3643	0.3930	0.4032	0.4086
0.850	0.0320	0.2924	0.3178	0.3268	0.3317
0.875	0.0227	0.2246	0.2459	0.2536	0.2577
0.900	0.0152	0.1621	0.1788	0.1849	0.1881
0.925	0.0093	0.1061	0.1179	0.1222	0.1245
0.950	0.0048	0.0581	0.0650	0.0676	0.0690
0.975	0.0016	0.0207	0.0233	0.0243	0.0248
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9966	0.9966	0.9967	0.9967	0.9967
0.050	0.9905	0.9906	0.9906	0.9907	0.9907
0.075	0.9827	0.9828	0.9829	0.9829	0.9830
0.100	0.9734	0.9736	0.9737	0.9739	0.9740
0.125	0.9631	0.9633	0.9635	0.9637	0.9638
0.150	0.9517	0.9520	0.9523	0.9525	0.9527
0.175	0.9395	0.9399	0.9402	0.9404	0.9406
0.200	0.9265	0.9269	0.9273	0.9276	0.9279
0.225	0.9128	0.9133	0.9137	0.9140	0.9144
0.250	0.8985	0.8990	0.8994	0.8998	0.9002
0.275	0.8835	0.9841	0.8846	0.8851	0.8855
0.300	0.8681	0.8687	0.8693	0.8698	0.8702
0.325	0.8521	0.8528	0.8534	0.8539	0.8544
0.350	0.8357	0.8365	0.8371	0.8377	0.8382
0.375	0.8189	0.8197	0.8204	0.8210	0.8215
0.400	0.8017	0.8025	0.8033	0.8039	0.8045
0.425	0.7841	0.7850	0.7858	0.7865	0.7871
0.450	0.7662	0.7672	0.7680	0.7687	0.7694
0.475	0.7481	0.7491	0.7499	0.7506	0.7513
0.500	0.7297	0.7307	0.7316	0.7323	0.7330
0.525	0.7110	0.7121	0.7130	0.7137	0.7144
0.550	0.6921	0.6932	0.6941	0.6949	0.6957
0.575	0.6731	0.6742	0.6751	0.6759	0.6767
0.600	0.6539	0.6550	0.6559	0.6567	0.6575
0.625	0.6345	0.6356	0.6366	0.6374	0.6381
0.650	0.6150	0.6161	0.6171	0.6179	0.6187
0.675	0.5954	0.5965	0.5975	0.5983	0.5991
0.700	0.5757	0.5769	0.5778	0.5786	0.5794
0.725	0.5560	0.5571	0.5580	0.5588	0.5596
0.750	0.5362	0.5373	0.5382	0.5390	0.5398
0.775	0.5164	0.5175	0.5184	0.5192	0.5199
0.800	0.4910	0.4938	0.4961	0.4981	0.5000
0.825	0.4121	0.4148	0.4169	0.4188	0.4206
0.850	0.3349	0.3373	0.3392	0.3409	0.3425
0.875	0.2605	0.2625	0.2641	0.2656	0.2670
0.900	0.1903	0.1919	0.1932	0.1944	0.1955
0.925	0.1261	0.1272	0.1282	0.1290	0.1298
0.950	0.0699	0.0705	0.0712	0.0717	0.0721
0.975	0.0252	0.0254	0.0256	0.0258	0.0260
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	. Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9967	0.9967	0.9967	0.9968	0.9968
0.050	0.9908	0.9908	0.9908	0.9909	0.9910
0.075	0.9831	0.9832	0.9833	0.9834	0.9835
0.100	0.9741	0.9742	0.9743	0.9745	0.9747
0.125	0.9640	0.9641	0.9643	0.9645	0.9648
0.150	0.9529	0.9531	0.9533	0.9536	0.9540
0.175	0.9409	0.9411	0.9414	0.9418	0.9422
0.200	0.9281	0.9284	0.9288	0.9292	0.9297
0.225	0.9147	0.9150	0.9154	0.9159	0.9165
0.250	0.9006	0.9010	0.9014	0.9019	0.9027
0.275	0.8859	0.8863	0.8868	0.8874	0.8882
0.300	0.8706	0.8711	0.8717	0.8723	0.8732
0.325	0.8549	0.8554	0.8560	0.8567	0.8577
0.350	0.8387	0.8393	0.8399	0.8407	0.8417
0.375	0.8221	0.8227	0.8234	0.8242	0.8253
0.400	0.8051	0.8057	0.8064	0.8073	0.8085
0.425	0.7877	0.7884	0.7891	0.7901	0.7913
0.450	0.7700	0.7707	0.7715	0.7725	0.7737
0.475	0.7520	0.7527	0.7535	0.7545	0.7559
0.500	0.7337	0.7345	0.7353	0.7363	0.7377
0.525	0.7152	0.7159	0.7168	0.7179	0.7193
0.550	0.6964	0.6972	0.6981	0.6991	0.7006
0.575	0.6774	0.6782	0.6791	0.6802	0.6817
0.600	0.6582	0.6590	0.6600	0.6611	0.6626
0.625	0.6389	0.6397	0.6406	0.6418	0.6433
0.650	0.6194	0.6202	0.6212	0.6223	0.6238
0.675	0.5998	0.6006	0.6016	0.6027	0.6043
0.700	0.5801	0.5809	0.5819	0.5830	0.5845
0.725	0.5604	0.5612	0.5621	0.5632	0.5647
0.750	0.5405	0.5413	0.5422	0.5433	0.5448
0.775	0.5206	0.5214	0.5223	0.5234	0.5249
0.800	0.5007	0.5015	0.5023	0.5034	0.5049
0.825	0.4224	0.4243	0.4265	0.4291	0.4327
0.850	0.3441	0.3459	0.3478	0.3502	0.3535
0.875	0.2684	0.2698	0.2715	0.2736	0.2764
0.900	0.1966	0.1978	0.1991	0.2008	0.2030
0.925	0.1306	0.1314	0.1324	0.1336	0.1352
0.950	0.0726	0.0731	0.0737	0.0744	0.0754
0.975	0.0262	0.0264	0.0266	0.0269	0.0273
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

23

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9968	0.9969	0.9972	0.9995
0.050	0.9911	0.9914	0.9920	0.9986
0.075	0.9837	0.9842	0.9853	0.9973
0.100	0.9751	0.9757	0.9774	0.9958
0.125	0.9653	0.9661	0.9685	0.9939
0.150	0.9545	0.9556	0.9586	0.9918
0.175	0.9429	0.9443	0.9479	0.9894
0.200	0.9306	0.9321	0.9365	0.9866
0.225	0.9175	0.9193	0.9243	0.9835
0.250	0.9038	0.9058	0.9115	0.9801
0.275	0.8894	0.8917	0.8981	0.9764
0.300	0.8746	0.8771	0.8842	0.9722
0.325	0.8592	0.8619	0.8696	0.9677
0.350	0.8433	0.8463	0.8546	0.9627
0.375	0.8270	0.8302	0.8391	0.9572
0.400	0.8103	0.8136	0.8231	0.9513
0.425	0.7932	0.7967	0.8067	0.9448
0.450	0.7757	0.7794	0.7899	0.9378
0.475	0.7579	0.7618	0.7727	0.9302
0.500	0.7399	0.7438	0.7551	0.9219
0.525	0.7215	0.7256	0.7372	0.9129
0.550	0.7029	0.7070	0.7190	0.9031
0.575	0.6840	0.6883	0.7005	0.8925
0.600	0.6649	0.6692	0.6816	0.8809
0.625	0.6456	0.6500	0.6626	0.8685
0.650	0.6262	0.6306	0.6432	0.8549
0.675	0.6066	0.6110	0.6237	0.8402
0.700	0.5869	0.5913	0.6039	0.8243
0.725	0.5670	0.5714	0.5839	0.8070
0.750	0.5471	0.5514	0.5638	0.7882
0.775	0.5271	0.5313	0.5435	0.7679
0.800	0.5071	0.5112	0.5231	0.7458
0.825	0.4382	0.4486	0.4788	0.7218
0.850	0.3585	0.3680	0.3959	0.6957
0.875	0.2807	0.2890	0.3134	0.6674
0.900	0.2065	0.2132	0.2331	0.6367
0.925	0.1378	0.1426	0.1572	0.5952
0.950	0.0769	0.0799	0.0888	0.4289
0.975	0.0279	0.0290	0.0326	0.2095
1.000	0.0000	0.0000	0.0000	0.0000

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-39.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9761	0.9949	0.9953	0.9954	0.9955
0.050	0.9374	0.9857	0.9868	0.9872	0.9874
0.075	0.8930	0.9739	0.9760	0.9766	0.9770
0.100	0.8466	0.9603	0.9633	0.9643	0.9648
0.125	0.7998	0.9450	0.9491	0.9504	0.9511
0.150	0.7537	0.9285	0.9336	0.9353	0.9362
0.175	0.7090	0.9108	0.9170	0.9191	0.9202
0.200	0.6661	0.8922	0.8995	0.9019	0.9032
0.225	0.6251	0.8727	0.8810	0.8838	0.8853
0.250	0.5861	0.8525	0.8618	0.8650	0.8666
0.275	0.5492	0.8316	0.8419	0.8454	0.8472
0.300	0.5143	0.8102	0.8214	0.8252	0.8272
0.325	0.4814	0.7883	0.8004	0.8045	0.8067
0.350	0.4505	0.7660	0.7789	0.7833	0.7856
0.375	0.4213	0.7433	0.7569	0.7616	0.7640
0.400	0.3940	0.7204	0.7346	0.7395	0.7421
0.425	0.3442	0.6971	0.7120	0.7171	0.7197
0.450	0.3002	0.6737	0.6891	0.6943	0.6971
0.475	0.2615	0.6501	0.6659	0.6713	0.6742
0.500	0.2273	0.6265	0.6426	0.6481	0.6510
0.525	0.1972	0.6027	0.6191	0.6247	0.6277
0.550	0.1707	0.5789	0.5955	0.6012	0.6042
0.575	0.1473	0.5551	0.5718	0.5775	0.5805
0.600	0.1266	0.5314	0.5480	0.5538	0.5568
0.625	0.1084	0.5077	0.5243	0.5300	0.5330
0.650	0.0923	0.4788	0.5005	0.5062	0.5092
0.675	0.0781	0.4322	0.4588	0.4682	0.4731
0.700	0.0656	0.3863	0.4120	0.4210	0.4258
0.725	0.0546	0.3416	0.3658	0.3744	0.3790
0.750	0.0450	0.2981	0.3207	0.3287	0.3330
0.775	0.0365	0.2561	0.2767	0.2840	0.2880
0.800	0.0291	0.2159	0.2342	0.2408	0.2444
0.825	0.0227	0.1776	0.1936	0.1993	0.2024
0.850	0.0172	0.1417	0.1550	0.1599	0.1625
0.875	0.0125	0.1082	0.1190	0.1229	0.1250
0.900	0.0086	0.0778	0.0859	0.0888	0.0904
0.925	0.0053	0.0507	0.0562	0.0582	0.0594
0.950	0.0028	0.0277	0.0308	0.0320	0.0326
0.975	0.0009	0.0093	0.0110	0.0114	0.0117
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	. Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9956	0.9956	0.9956	0.9956	0.9957
0.050	0.9875	0.9876	0.9877	0.9877	0.9878
0.075	0.9772	0.9774	0.9775	0.9776	0.9777
0.100	0.9651	0.9654	0.9656	0.9658	0.9659
0.125	0.9516	0.9519	0.9522	0.9524	0.9527
0.150	0.9368	0.9372	0.9376	0.9379	0.9381
0.175	0.9209	0.9214	0.9218	0.9222	0.9225
0.200	0.9040	0.9046	0.9051	0.9055	0.9059
0.225	0.8862	0.8869	0.8875	0.8880	0.8885
0.250	0.8677	0.8685	0.8691	0.8697	0.8702
0.275	0.8484	0.8493	0.8500	0.8505	0.8512
0.300	0.8285	0.8295	0.8303	0.8309	0.8316
0.325	0.8081	0.8091	0.8099	0.8107	0.8114
0.350	0.7871	0.7882	0.7891	0.7899	0.7906
0.375	0.7656	0.7668	0.7677	0.7686	0.7694
0.400	0.7437	0.7450	0.7460	0.7469	0.7477
0.425	0.7215	0.7228	0.7238	0.7248	0.7256
0.450	0.6989	0.7003	0.7013	0.7023	0.7032
0.475	0.6761	0.6774	0.6786	0.6795	0.6805
0.500	0.6530	0.6544	0.6555	0.6565	0.6575
0.525	0.6296	0.6311	0.6323	0.6333	0.6343
0.550	0.6062	0.6076	0.6088	0.6099	0.6108
0.575	0.5825	0.5840	0.5852	0.5863	0.5873
0.600	0.5588	0.5603	0.5615	0.5626	0.5636
0.625	0.5350	0.5365	0.5377	0.5388	0.5398
0.650	0.5112	0.5127	0.5139	0.5149	0.5159
0.675	0.4764	0.4788	0.4807	0.4825	0.4841
0.700	0.4289	0.4313	0.4332	0.4349	0.4364
0.725	0.3820	0.3842	0.3860	0.3876	0.3892
0.750	0.3358	0.3379	0.3396	0.3411	0.3425
0.775	0.2906	0.2925	0.2941	0.2955	0.2968
0.800	0.2467	0.2484	0.2499	0.2511	0.2523
0.825	0.2045	0.2060	0.2073	0.2084	0.2094
0.850	0.1642	0.1655	0.1666	0.1675	0.1684
0.875	0.1264	0.1275	0.1283	0.1291	0.1298
0.900	0.0915	0.0923	0.0929	0.0935	0.0941
0.925	0.0601	0.0606	0.0611	0.0615	0.0618
0.950	0.0331	0.0334	0.0336	0.0339	0.0341
0.975	0.0118	0.0119	0.0120	0.0121	0.0122
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9957	0.9957	0.9957	0.9958	0.9958
0.050	0.9879	0.9879	0.9880	0.9881	0.9882
0.075	0.9778	0.9780	0.9781	0.9783	0.9785
0.100	0.9661	0.9663	0.9665	0.9667	0.9670
0.125	0.9529	0.9531	0.9534	0.9537	0.9542
0.150	0.9384	0.9387	0.9391	0.9395	0.9400
0.175	0.9229	0.9232	0.9237	0.9242	0.9248
0.200	0.9063	0.9068	0.9073	0.9079	0.9087
0.225	0.8889	0.8894	0.8900	0.8907	0.8916
0.250	0.8707	0.8713	0.8719	0.8727	0.8737
0.275	0.8518	0.8524	0.8531	0.8540	0.8551
0.300	0.8322	0.8329	0.8337	0.8346	0.8359
0.325	0.8120	0.8128	0.8136	0.8146	0.8160
0.350	0.7913	0.7921	0.7930	0.7941	0.7956
0.375	0.7701	0.7710	0.7719	0.7731	0.7746
0.400	0.7485	0.7494	0.7504	0.7516	0.7532
0.425	0.7265	0.7274	0.7284	0.7297	0.7314
0.450	0.7041	0.7050	0.7061	0.7074	0.7092
0.475	0.6814	0.6824	0.6835	0.6849	0.6867
0.500	0.6584	0.6594	0.6606	0.6620	0.6639
0.525	0.6352	0.6362	0.6374	0.6388	0.6408
0.550	0.6118	0.6129	0.6140	0.6155	0.6175
0.575	0.5882	0.5893	0.5905	0.5920	0.5939
0.600	0.5645	0.5656	0.5668	0.5683	0.5703
0.625	0.5408	0.5418	0.5430	0.5445	0.5465
0.650	0.5169	0.5179	0.5191	0.5206	0.5226
0.675	0.4857	0.4874	0.4894	0.4918	0.4951
0.700	0.4380	0.4397	0.4416	0.4440	0.4471
0.725	0.3907	0.3923	0.3941	0.3964	0.3994
0.750	0.3439	0.3455	0.3472	0.3493	0.3522
0.775	0.2981	0.2995	0.3011	0.3031	0.3057
0.800	0.2535	0.2548	0.2562	0.2580	0.2604
0.825	0.2104	0.2115	0.2128	0.2144	0.2165
0.850	0.1693	0.1702	0.1713	0.1727	0.1745
0.875	0.1305	0.1313	0.1322	0.1332	0.1347
0.900	0.0946	0.0952	0.0959	0.0967	0.0978
0.925	0.0622	0.0626	0.0631	0.0637	0.0644
0.950	0.0343	0.0345	0.0348	0.0351	0.0356
0.975	0.0123	0.0124	0.0125	0.0126	0.0127
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9959	0.9960	0.9963	0.9995
0.050	0.9884	0.9887	0.9897	0.9984
0.075	0.9768	0.9794	0.9811	0.9970
0.100	0.9675	0.9684	0.9709	0.9952
0.125	0.9548	0.9560	0.9594	0.9931
0.150	0.9409	0.9424	0.9467	0.9907
0.175	0.9259	0.9278	0.9330	0.9879
0.200	0.9099	0.9121	0.9183	0.9848
0.225	0.8930	0.8956	0.9027	0.9812
0.250	0.8753	0.8782	0.8863	0.9773
0.275	0.8569	0.8601	0.8692	0.9729
0.300	0.8378	0.8413	0.8513	0.9680
0.325	0.8181	0.8219	0.8327	0.9627
0.350	0.7978	0.8019	0.8136	0.9568
0.375	0.7770	0.7814	0.7938	0.9503
0.400	0.7557	0.7604	0.7735	0.9433
0.425	0.7340	0.7389	0.7527	0.9355
0.450	0.7119	0.7170	0.7314	0.9271
0.475	0.6895	0.6947	0.7096	0.9178
0.500	0.6667	0.6721	0.6875	0.9077
0.525	0.6437	0.6492	0.6649	0.8966
0.550	0.6204	0.6260	0.6420	0.8846
0.575	0.5970	0.6026	0.6188	0.8714
0.600	0.5733	0.5790	0.5953	0.8571
0.625	0.5495	0.5552	0.5716	0.8414
0.650	0.5256	0.5313	0.5476	0.8243
0.675	0.5000	0.5072	0.5234	0.8056
0.700	0.4520	0.4612	0.4877	0.7852
0.725	0.4041	0.4129	0.4386	0.7629
0.750	0.3566	0.3650	0.3895	0.7386
0.775	0.3098	0.3176	0.3405	0.7120
0.800	0.2641	0.2712	0.2921	0.6829
0.825	0.2198	0.2260	0.2446	0.6512
0.850	0.1772	0.1826	0.1985	0.6165
0.875	0.1370	0.1413	0.1544	0.5495
0.900	0.0995	0.1029	0.1130	0.4579
0.925	0.0656	0.0679	0.0750	0.3506
0.950	0.0363	0.0376	0.0417	0.2280
0.975	0.0130	0.0135	0.0151	0.0979
1.000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, 0=    1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-89.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9654	0.9935	0.9940	0.9942	0.9943
0.050	0.9112	0.9817	0.9833	0.9838	0.9841
0.075	0.8512	0.9668	0.9696	0.9705	0.9710
0.100	0.7905	0.9496	0.9537	0.9550	0.9557
0.125	0.7312	0.9304	0.9358	0.9377	0.9386
0.150	0.6745	0.9096	0.9165	0.9188	0.9199
0.175	0.6211	0.8875	0.8958	0.8985	0.9000
0.200	0.5711	0.8642	0.8739	0.8771	0.8788
0.225	0.5246	0.8400	0.8510	0.8547	0.8566
0.250	0.4814	0.8150	0.8272	0.8313	0.8335
0.275	0.4415	0.7893	0.8027	0.8072	0.8096
0.300	0.4047	0.7630	0.7775	0.7824	0.7850
0.325	0.3633	0.7362	0.7517	0.7570	0.7597
0.350	0.3229	0.7090	0.7254	0.7310	0.7339
0.375	0.2867	0.6815	0.6987	0.7046	0.7077
0.400	0.2543	0.6538	0.6717	0.6778	0.6810
0.425	0.2252	0.6259	0.6443	0.6507	0.6540
0.450	0.1991	0.5979	0.6168	0.6233	0.6267
0.475	0.1757	0.5699	0.5891	0.5957	0.5992
0.500	0.1548	0.5419	0.5613	0.5680	0.5715
0.525	0.1360	0.5140	0.5335	0.5402	0.5438
0.550	0.1191	0.4851	0.5056	0.5124	0.5160
0.575	0.1039	0.4483	0.4722	0.4805	0.4849
0.600	0.0903	0.4121	0.4354	0.4436	0.4480
0.625	0.0781	0.3763	0.3990	0.4070	0.4112
0.650	0.0672	0.3413	0.3631	0.3707	0.3748
0.675	0.0574	0.3070	0.3277	0.3350	0.3389
0.700	0.0487	0.2737	0.2931	0.3000	0.3037
0.725	0.0409	0.2413	0.2593	0.2657	0.2692
0.750	0.0339	0.2101	0.2265	0.2324	0.2356
0.775	0.0278	0.1801	0.1949	0.2002	0.2030
0.800	0.0223	0.1516	0.1645	0.1692	0.1717
0.825	0.0176	0.1245	0.1356	0.1396	0.1418
0.850	0.0134	0.0991	0.1083	0.1117	0.1135
0.875	0.0098	0.0757	0.0829	0.0856	0.0870
0.900	0.0067	0.0543	0.0597	0.0617	0.0628
0.925	0.0042	0.0354	0.0390	0.0404	0.0411
0.950	0.0022	0.0193	0.0214	0.0221	0.0226
0.975	0.0008	0.0068	0.0076	0.0079	0.0080
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9944	0.9944	0.9945	0.9945	0.9945
0.050	0.9843	0.9844	0.9845	0.9846	0.9847
0.075	0.9713	0.9715	0.9717	0.9719	0.9720
0.100	0.9562	0.9565	0.9568	0.9570	0.9572
0.125	0.9392	0.9397	0.9400	0.9403	0.9406
0.150	0.9207	0.9213	0.9218	0.9222	0.9225
0.175	0.9009	0.9016	0.9021	0.9026	0.9031
0.200	0.8799	0.8807	0.8814	0.8819	0.8825
0.225	0.8579	0.8588	0.8595	0.8602	0.8608
0.250	0.8349	0.8359	0.8368	0.8375	0.8382
0.275	0.8111	0.8123	0.8132	0.8140	0.8148
0.300	0.7867	0.7879	0.7889	0.7898	0.7906
0.325	0.7615	0.7629	0.7639	0.7649	0.7658
0.350	0.7359	0.7373	0.7384	0.7394	0.7404
0.375	0.7097	0.7112	0.7124	0.7135	0.7144
0.400	0.6831	0.6847	0.6859	0.6870	0.6881
0.425	0.6562	0.6578	0.6591	0.6602	0.6613
0.450	0.6290	0.6306	0.6320	0.6331	0.6343
0.475	0.6015	0.6032	0.6046	0.6058	0.6069
0.500	0.5739	0.5756	0.5770	0.5782	0.5794
0.525	0.5461	0.5478	0.5493	0.5505	0.5517
0.550	0.5183	0.5200	0.5215	0.5227	0.5239
0.575	0.4878	0.4900	0.4917	0.4932	0.4947
0.600	0.4508	0.4529	0.4546	0.4562	0.4576
0.625	0.4140	0.4161	0.4177	0.4192	0.4206
0.650	0.3775	0.3795	0.3812	0.3826	0.3839
0.675	0.3415	0.3434	0.3450	0.3464	0.3477
0.700	0.3061	0.3079	0.3094	0.3107	0.3119
0.725	0.2714	0.2731	0.2745	0.2757	0.2769
0.750	0.2376	0.2392	0.2405	0.2416	0.2426
0.775	0.2049	0.2063	0.2074	0.2084	0.2094
0.800	0.1733	0.1746	0.1756	0.1765	0.1773
0.825	0.1432	0.1443	0.1451	0.1459	0.1466
0.850	0.1147	0.1155	0.1163	0.1169	0.1175
0.875	0.0880	0.0887	0.0893	0.0898	0.0903
0.900	0.0635	0.0640	0.0645	0.0649	0.0652
0.925	0.0416	0.0420	0.0423	0.0425	0.0428
0.950	0.0228	0.0230	0.0232	0.0234	0.0235
0.975	0.0081	0.0082	0.0083	0.0083	0.0084
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9946	0.9946	0.9946	0.9947	0.9947
0.050	0.9848	0.9848	0.9849	0.9851	0.9852
0.075	0.9722	0.9723	0.9725	0.9727	0.9730
0.100	0.9575	0.9577	0.9580	0.9583	0.9587
0.125	0.9409	0.9413	0.9416	0.9421	0.9426
0.150	0.9229	0.9233	0.9238	0.9243	0.9251
0.175	0.9035	0.9040	0.9046	0.9052	0.9061
0.200	0.8830	0.8836	0.8842	0.8850	0.8860
0.225	0.8614	0.8621	0.8628	0.8637	0.8649
0.250	0.8389	0.8396	0.8404	0.8414	0.8428
0.275	0.8155	0.8163	0.8172	0.8184	0.8198
0.300	0.7914	0.7923	0.7933	0.7945	0.7961
0.325	0.7667	0.7676	0.7687	0.7700	0.7717
0.350	0.7413	0.7423	0.7434	0.7448	0.7467
0.375	0.7154	0.7165	0.7177	0.7192	0.7211
0.400	0.6891	0.6902	0.6915	0.6930	0.6951
0.425	0.6624	0.6636	0.6649	0.6664	0.6686
0.450	0.6354	0.6365	0.6379	0.6395	0.6417
0.475	0.6081	0.6093	0.6106	0.6123	0.6146
0.500	0.5805	0.5817	0.5831	0.5849	0.5872
0.525	0.5528	0.5541	0.5555	0.5572	0.5595
0.550	0.5250	0.5263	0.5277	0.5294	0.5318
0.575	0.4961	0.4977	0.4994	0.5016	0.5039
0.600	0.4590	0.4605	0.4623	0.4644	0.4672
0.625	0.4220	0.4235	0.4252	0.4273	0.4301
0.650	0.3853	0.3867	0.3884	0.3904	0.3931
0.675	0.3490	0.3503	0.3519	0.3538	0.3565
0.700	0.3131	0.3145	0.3159	0.3178	0.3203
0.725	0.2780	0.2792	0.2806	0.2823	0.2847
0.750	0.2437	0.2448	0.2461	0.2477	0.2498
0.775	0.2103	0.2114	0.2125	0.2140	0.2159
0.800	0.1782	0.1791	0.1801	0.1814	0.1831
0.825	0.1474	0.1481	0.1490	0.1501	0.1516
0.850	0.1181	0.1188	0.1195	0.1205	0.1217
0.875	0.0908	0.0913	0.0919	0.0926	0.0936
0.900	0.0656	0.0660	0.0664	0.0670	0.0677
0.925	0.0430	0.0433	0.0436	0.0440	0.0445
0.950	0.0236	0.0238	0.0240	0.0242	0.0245
0.975	0.0084	0.0085	0.0086	0.0086	0.0087
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=    1.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9948	0.9950	0.9955	0.9994
0.050	0.9855	0.9859	0.9872	0.9982
0.075	0.9735	0.9743	0.9765	0.9967
0.100	0.9594	0.9606	0.9639	0.9947
0.125	0.9435	0.9452	0.9496	0.9923
0.150	0.9262	0.9282	0.9339	0.9896
0.175	0.9075	0.9100	0.9169	0.9864
0.200	0.8876	0.8906	0.8988	0.9828
0.225	0.8667	0.8701	0.8795	0.9787
0.250	0.8449	0.8487	0.8593	0.9742
0.275	0.8271	0.8263	0.8381	0.9691
0.300	0.7986	0.8032	0.8161	0.9635
0.325	0.7744	0.7794	0.7933	0.9572
0.350	0.7496	0.7548	0.7697	0.9503
0.375	0.7241	0.7297	0.7455	0.9427
0.400	0.6982	0.7041	0.7207	0.9344
0.425	0.6719	0.6780	0.6953	0.9251
0.450	0.6451	0.6514	0.6693	0.9150
0.475	0.6180	0.6245	0.6429	0.9038
0.500	0.5907	0.5973	0.6161	0.8916
0.525	0.5631	0.5698	0.5889	0.8781
0.550	0.5353	0.5420	0.5613	0.8634
0.575	0.5075	0.5142	0.5335	0.8471
0.600	0.4716	0.4799	0.5037	0.8293
0.625	0.4344	0.4425	0.4661	0.8097
0.650	0.3973	0.4052	0.4282	0.7882
0.675	0.3605	0.3681	0.3903	0.7646
0.700	0.3241	0.3313	0.3525	0.7386
0.725	0.2882	0.2950	0.3150	0.7100
0.750	0.2531	0.2594	0.2780	0.6786
0.775	0.2189	0.2246	0.2416	0.6440
0.800	0.1858	0.1909	0.2060	0.6060
0.825	0.1539	0.1583	0.1715	0.5495
0.850	0.1237	0.1273	0.1385	0.4857
0.875	0.0952	0.0982	0.1071	0.4139
0.900	0.0689	0.0712	0.0780	0.3339
0.925	0.0453	0.0468	0.0515	0.2463
0.950	0.0249	0.0258	0.0285	0.1534
0.975	0.0089	0.0092	0.0102	0.0626
1.000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY .... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-89.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9538	0.9919	0.9927	0.9929	0.9931
0.050	0.8838	0.9775	0.9796	0.9802	0.9806
0.075	0.8091	0.9593	0.9628	0.9640	0.9646
0.100	0.7357	0.9382	0.9434	0.9451	0.9460
0.125	0.6661	0.9148	0.9218	0.9241	0.9253
0.150	0.6014	0.8896	0.8983	0.9012	0.9027
0.175	0.5420	0.8629	0.8733	0.8767	0.8785
0.200	0.4879	0.8349	0.8469	0.8509	0.8530
0.225	0.4386	0.8058	0.8194	0.8240	0.8264
0.250	0.3940	0.7759	0.7910	0.7960	0.7987
0.275	0.3536	0.7453	0.7617	0.7672	0.7701
0.300	0.3171	0.7141	0.7317	0.7377	0.7408
0.325	0.2841	0.6825	0.7012	0.7075	0.7109
0.350	0.2543	0.6506	0.6702	0.6768	0.6804
0.375	0.2273	0.6185	0.6388	0.6458	0.6494
0.400	0.2029	0.5863	0.6072	0.6143	0.6181
0.425	0.1809	0.5540	0.5753	0.5827	0.5866
0.450	0.1610	0.5218	0.5434	0.5509	0.5548
0.475	0.1429	0.4898	0.5115	0.5190	0.5230
0.500	0.1266	0.4580	0.4797	0.4872	0.4912
0.525	0.1119	0.4266	0.4480	0.4554	0.4594
0.550	0.0985	0.3955	0.4165	0.4238	0.4278
0.575	0.0864	0.3649	0.3853	0.3925	0.3964
0.600	0.0755	0.3348	0.3546	0.3615	0.3653
0.625	0.0656	0.3053	0.3243	0.3310	0.3345
0.650	0.0567	0.2765	0.2945	0.3009	0.3043
0.675	0.0487	0.2484	0.2654	0.2714	0.2746
0.700	0.0415	0.2212	0.2369	0.2425	0.2456
0.725	0.0350	0.1948	0.2093	0.2145	0.2173
0.750	0.0291	0.1695	0.1826	0.1873	0.1898
0.775	0.0239	0.1452	0.1568	0.1611	0.1633
0.800	0.0193	0.1220	0.1322	0.1359	0.1379
0.825	0.0152	0.1002	0.1089	0.1120	0.1137
0.850	0.0117	0.0797	0.0869	0.0895	0.0909
0.875	0.0086	0.0608	0.0665	0.0685	0.0696
0.900	0.0059	0.0436	0.0478	0.0493	0.0502
0.925	0.0037	0.0284	0.0312	0.0322	0.0328
0.950	0.0020	0.0155	0.0171	0.0177	0.0180
0.975	0.0007	0.0055	0.0061	0.0063	0.0064
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9931	0.9932	0.9933	0.9933	0.9933
0.050	0.9808	0.9809	0.9811	0.9812	0.9813
0.075	0.9650	0.9653	0.9655	0.9657	0.9659
0.100	0.9466	0.9470	0.9474	0.9477	0.9480
0.125	0.9260	0.9266	0.9271	0.9275	0.9279
0.150	0.9037	0.9044	0.9050	0.9055	0.9059
0.175	0.8797	0.8806	0.8813	0.8819	0.8825
0.200	0.8544	0.8554	0.8562	0.8570	0.8576
0.225	0.8279	0.8291	0.8300	0.8308	0.8316
0.250	0.8004	0.8017	0.8027	0.8036	0.8045
0.275	0.7720	0.7734	0.7746	0.7756	0.7765
0.300	0.7429	0.7444	0.7456	0.7467	0.7477
0.325	0.7130	0.7147	0.7160	0.7171	0.7182
0.350	0.6827	0.6844	0.6857	0.6869	0.6881
0.375	0.6518	0.6536	0.6550	0.6563	0.6575
0.400	0.6206	0.6224	0.6239	0.6252	0.6265
0.425	0.5891	0.5910	0.5925	0.5939	0.5951
0.450	0.5574	0.5593	0.5609	0.5623	0.5636
0.475	0.5256	0.5276	0.5291	0.5305	0.5318
0.500	0.4938	0.4957	0.4973	0.4987	0.5000
0.525	0.4620	0.4639	0.4655	0.4669	0.4682
0.550	0.4303	0.4322	0.4338	0.4352	0.4364
0.575	0.3989	0.4007	0.4023	0.4036	0.4049
0.600	0.3677	0.3695	0.3710	0.3723	0.3735
0.625	0.3369	0.3386	0.3401	0.3413	0.3425
0.650	0.3065	0.3082	0.3096	0.3108	0.3119
0.675	0.2767	0.2783	0.2796	0.2807	0.2818
0.700	0.2476	0.2490	0.2502	0.2513	0.2523
0.725	0.2191	0.2205	0.2216	0.2226	0.2235
0.750	0.1915	0.1927	0.1938	0.1947	0.1955
0.775	0.1648	0.1659	0.1668	0.1677	0.1684
0.800	0.1392	0.1402	0.1410	0.1417	0.1424
0.825	0.1148	0.1157	0.1164	0.1170	0.1175
0.850	0.0918	0.0925	0.0931	0.0936	0.0941
0.875	0.0704	0.0709	0.0714	0.0718	0.0721
0.900	0.0507	0.0511	0.0515	0.0518	0.0520
0.925	0.0332	0.0335	0.0337	0.0339	0.0341
0.950	0.0182	0.0183	0.0185	0.0186	0.0187
0.975	0.0065	0.0065	0.0066	0.0066	0.0067
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

44

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9934	0.9934	0.9935	0.9935	0.9936
0.050	0.9814	0.9815	0.9817	0.9818	0.9820
0.075	0.9661	0.9663	0.9665	0.9668	0.9672
0.100	0.9482	0.9485	0.9489	0.9493	0.9498
0.125	0.9282	0.9286	0.9291	0.9296	0.9304
0.150	0.9064	0.9069	0.9075	0.9082	0.9091
0.175	0.8830	0.8836	0.8843	0.8852	0.8863
0.200	0.8583	0.8590	0.8598	0.8608	0.8621
0.225	0.8323	0.8331	0.8341	0.8352	0.8367
0.250	0.8053	0.8062	0.8073	0.8085	0.8102
0.275	0.7774	0.7784	0.7795	0.7809	0.7827
0.300	0.7487	0.7498	0.7510	0.7524	0.7544
0.325	0.7193	0.7204	0.7217	0.7233	0.7254
0.350	0.6892	0.6904	0.6918	0.6935	0.6957
0.375	0.6587	0.6599	0.6614	0.6631	0.6655
0.400	0.6277	0.6290	0.6305	0.6323	0.6347
0.425	0.5964	0.5977	0.5993	0.6011	0.6036
0.450	0.5649	0.5662	0.5678	0.5697	0.5722
0.475	0.5331	0.5345	0.5361	0.5380	0.5406
0.500	0.5013	0.5027	0.5043	0.5062	0.5088
0.525	0.4695	0.4709	0.4724	0.4744	0.4770
0.550	0.4377	0.4391	0.4407	0.4426	0.4452
0.575	0.4061	0.4075	0.4090	0.4109	0.4134
0.600	0.3748	0.3761	0.3776	0.3794	0.3819
0.625	0.3437	0.3450	0.3464	0.3482	0.3506
0.650	0.3130	0.3143	0.3156	0.3173	0.3196
0.675	0.2829	0.2840	0.2853	0.2869	0.2891
0.700	0.2533	0.2544	0.2556	0.2571	0.2592
0.725	0.2244	0.2254	0.2266	0.2280	0.2298
0.750	0.1963	0.1973	0.1983	0.1996	0.2013
0.775	0.1692	0.1700	0.1709	0.1721	0.1736
0.800	0.1430	0.1438	0.1446	0.1456	0.1469
0.825	0.1181	0.1187	0.1194	0.1203	0.1215
0.850	0.0945	0.0950	0.0956	0.0963	0.0973
0.875	0.0725	0.0729	0.0734	0.0740	0.0747
0.900	0.0523	0.0526	0.0530	0.0534	0.0540
0.925	0.0343	0.0345	0.0347	0.0350	0.0354
0.950	0.0188	0.0189	0.0190	0.0192	0.0194
0.975	0.0067	0.0067	0.0068	0.0069	0.0069
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ....... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9937	0.9939	0.9945	0.9993
0.050	0.9823	0.9829	0.9845	0.9980
0.075	0.9678	0.9688	0.9716	0.9963
0.100	0.9507	0.9522	0.9564	0.9941
0.125	0.9315	0.9335	0.9392	0.9914
0.150	0.9105	0.9131	0.9203	0.9883
0.175	0.8880	0.8911	0.8998	0.9848
0.200	0.8641	0.8678	0.8780	0.9807
0.225	0.8389	0.8431	0.8548	0.9761
0.250	0.8127	0.8174	0.8305	0.9709
0.275	0.7855	0.7907	0.8052	0.9650
0.300	0.7574	0.7631	0.7788	0.9585
0.325	0.7286	0.7346	0.7516	0.9513
0.350	0.6991	0.7055	0.7235	0.9433
0.375	0.6690	0.6757	0.6947	0.9344
0.400	0.6385	0.6454	0.6652	0.9245
0.425	0.6075	0.6147	0.6351	0.9136
0.450	0.5762	0.5835	0.6045	0.9015
0.475	0.5446	0.5520	0.5734	0.8881
0.500	0.5128	0.5203	0.5420	0.8734
0.525	0.4810	0.4885	0.5102	0.8571
0.550	0.4491	0.4566	0.4782	0.8390
0.575	0.4173	0.4247	0.4460	0.8191
0.600	0.3857	0.3928	0.4137	0.7971
0.625	0.3542	0.3612	0.3815	0.7727
0.650	0.3231	0.3298	0.3494	0.7457
0.675	0.2925	0.2988	0.3175	0.7159
0.700	0.2623	0.2683	0.2859	0.6829
0.725	0.2328	0.2383	0.2547	0.6464
0.750	0.2039	0.2090	0.2241	0.6060
0.775	0.1760	0.1806	0.1942	0.5614
0.800	0.1491	0.1531	0.1651	0.5121
0.825	0.1233	0.1267	0.1371	0.4579
0.850	0.0988	0.1017	0.1104	0.3986
0.875	0.0759	0.0782	0.0852	0.3339
0.900	0.0549	0.0566	0.0618	0.2643
0.925	0.0360	0.0372	0.0407	0.1909
0.950	0.0198	0.0204	0.0225	0.1162
0.975	0.0071	0.0073	0.0081	0.0462
1.000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = .0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-88.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9908	0.9967	0.9972	0.9974	0.9975
0.050	0.9752	0.9907	0.9921	0.9926	0.9928
0.075	0.9563	0.9832	0.9857	0.9865	0.9869
0.100	0.9355	0.9744	0.9781	0.9793	0.9800
0.125	0.9136	0.9647	0.9697	0.9713	0.9721
0.150	0.8910	0.9541	0.9604	0.9625	0.9636
0.175	0.8680	0.9429	0.9505	0.9531	0.9544
0.200	0.8450	0.9311	0.9400	0.9430	0.9446
0.225	0.8221	0.9187	0.9290	0.9324	0.9342
0.250	0.7993	0.9059	0.9175	0.9214	0.9234
0.275	0.7770	0.8927	0.9056	0.9099	0.9122
0.300	0.7550	0.8792	0.8933	0.8980	0.9005
0.325	0.7335	0.8654	0.8806	0.8857	0.8885
0.350	0.7124	0.8513	0.8676	0.8732	0.8761
0.375	0.6919	0.8371	0.8543	0.8603	0.8634
0.400	0.6720	0.8226	0.8408	0.8471	0.8504
0.425	0.6526	0.8080	0.8271	0.8336	0.8371
0.450	0.6337	0.7932	0.8131	0.8200	0.8236
0.475	0.6155	0.7783	0.7989	0.8061	0.8098
0.500	0.5977	0.7634	0.7846	0.7920	0.7959
0.525	0.5805	0.7484	0.7701	0.7777	0.7817
0.550	0.5639	0.7333	0.7555	0.7633	0.7674
0.575	0.5477	0.7182	0.7408	0.7487	0.7529
0.600	0.5321	0.7031	0.7260	0.7340	0.7382
0.625	0.5170	0.6880	0.7110	0.7191	0.7234
0.650	0.5023	0.6729	0.6960	0.7042	0.7085
0.675	0.4882	0.6578	0.6810	0.6891	0.6935
0.700	0.4745	0.6428	0.6659	0.6740	0.6784
0.725	0.4612	0.6278	0.6507	0.6588	0.6632
0.750	0.4484	0.6128	0.6356	0.6436	0.6479
0.775	0.4360	0.5980	0.6204	0.6283	0.6326
0.800	0.4240	0.5832	0.6052	0.6130	0.6172
0.825	0.4124	0.5685	0.5900	0.5976	0.6017
0.850	0.4011	0.5538	0.5749	0.5823	0.5863
0.875	0.3903	0.5393	0.5597	0.5669	0.5708
0.900	0.3797	0.5249	0.5446	0.5516	0.5553
0.925	0.3695	0.5106	0.5296	0.5362	0.5398
0.950	0.3597	0.4964	0.5145	0.5209	0.5243
0.975	0.3501	0.4824	0.4996	0.5056	0.5088
1.000	0.3409	0.4685	0.4847	0.4903	0.4933

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9975	0.9975	0.9976	0.9976	0.9976
0.050	0.9930	0.9931	0.9932	0.9933	0.9933
0.075	0.9872	0.9874	0.9875	0.9877	0.9878
0.100	0.9804	0.9807	0.9809	0.9811	0.9813
0.125	0.9727	0.9731	0.9734	0.9737	0.9740
0.150	0.9643	0.9648	0.9652	0.9656	0.9659
0.175	0.9552	0.9559	0.9564	0.9568	0.9572
0.200	0.9456	0.9463	0.9469	0.9475	0.9480
0.225	0.9354	0.9363	0.9370	0.9376	0.9381
0.250	0.9247	0.9257	0.9265	0.9272	0.9279
0.275	0.9136	0.9147	0.9156	0.9164	0.9171
0.300	0.9021	0.9033	0.9043	0.9051	0.9059
0.325	0.8902	0.8915	0.8926	0.8935	0.8944
0.350	0.8780	0.8794	0.8805	0.8815	0.8825
0.375	0.8654	0.8669	0.8681	0.8692	0.8702
0.400	0.8525	0.8541	0.8554	0.8566	0.8576
0.425	0.8394	0.8410	0.8424	0.8436	0.8447
0.450	0.8260	0.8277	0.8291	0.8304	0.8316
0.475	0.8123	0.8141	0.8156	0.8169	0.8182
0.500	0.7984	0.8003	0.8019	0.8032	0.8045
0.525	0.7843	0.7863	0.7879	0.7893	0.7906
0.550	0.7701	0.7721	0.7737	0.7751	0.7765
0.575	0.7556	0.7577	0.7593	0.7608	0.7622
0.600	0.7410	0.7431	0.7448	0.7463	0.7477
0.625	0.7263	0.7284	0.7301	0.7316	0.7330
0.650	0.7114	0.7135	0.7152	0.7167	0.7182
0.675	0.6964	0.6985	0.7002	0.7017	0.7032
0.700	0.6812	0.6834	0.6851	0.6866	0.6881
0.725	0.6660	0.6681	0.6699	0.6714	0.6728
0.750	0.6507	0.6528	0.6545	0.6560	0.6575
0.775	0.6353	0.6374	0.6391	0.6406	0.6420
0.800	0.6199	0.6219	0.6236	0.6251	0.6264
0.825	0.6044	0.6064	0.6080	0.6095	0.6108
0.850	0.5889	0.5908	0.5924	0.5938	0.5951
0.875	0.5733	0.5752	0.5767	0.5781	0.5793
0.900	0.5577	0.5595	0.5610	0.5623	0.5635
0.925	0.5421	0.5438	0.5453	0.5465	0.5477
0.950	0.5265	0.5281	0.5295	0.5307	0.5318
0.975	0.5109	0.5124	0.5137	0.5148	0.5159
1.000	0.4953	0.4968	0.4979	0.4990	0.5000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ....... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9977	0.9977	0.9977	0.9978	0.9978
0.050	0.9934	0.9935	0.9936	0.9937	0.9938
0.075	0.9879	0.9881	0.9882	0.9884	0.9887
0.100	0.9815	0.9817	0.9819	0.9822	0.9826
0.125	0.9742	0.9745	0.9748	0.9752	0.9757
0.150	0.9663	0.9666	0.9670	0.9675	0.9682
0.175	0.9576	0.9581	0.9586	0.9592	0.9600
0.200	0.9484	0.9490	0.9496	0.9503	0.9512
0.225	0.9387	0.9393	0.9400	0.9408	0.9420
0.250	0.9285	0.9292	0.9300	0.9309	0.9322
0.275	0.9178	0.9186	0.9195	0.9205	0.9219
0.300	0.9067	0.9076	0.9085	0.9097	0.9113
0.325	0.8952	0.8962	0.8972	0.8985	0.9002
0.350	0.8834	0.8844	0.8855	0.8869	0.8888
0.375	0.8712	0.8723	0.8735	0.8750	0.8769
0.400	0.8587	0.8598	0.8611	0.8627	0.8648
0.425	0.8459	0.8471	0.8484	0.8501	0.8523
0.450	0.8329	0.8340	0.8354	0.8372	0.8395
0.475	0.8194	0.8207	0.8222	0.8240	0.8264
0.500	0.8058	0.8071	0.8087	0.8105	0.8131
0.525	0.7919	0.7933	0.7949	0.7968	0.7995
0.550	0.7778	0.7793	0.7809	0.7829	0.7856
0.575	0.7635	0.7650	0.7667	0.7687	0.7715
0.600	0.7491	0.7506	0.7523	0.7543	0.7572
0.625	0.7344	0.7359	0.7377	0.7398	0.7426
0.650	0.7196	0.7211	0.7229	0.7250	0.7279
0.675	0.7046	0.7062	0.7079	0.7100	0.7129
0.700	0.6895	0.6910	0.6928	0.6949	0.6978
0.725	0.6743	0.6758	0.6775	0.6797	0.6826
0.750	0.6589	0.6604	0.6621	0.6643	0.6671
0.775	0.6434	0.6449	0.6466	0.6487	0.6516
0.800	0.6278	0.6293	0.6310	0.6331	0.6358
0.825	0.6122	0.6138	0.6153	0.6173	0.6200
0.850	0.5964	0.5978	0.5994	0.6014	0.6041
0.875	0.5806	0.5820	0.5835	0.5854	0.5880
0.900	0.5648	0.5661	0.5676	0.5694	0.5719
0.925	0.5488	0.5501	0.5515	0.5533	0.5557
0.950	0.5329	0.5341	0.5354	0.5371	0.5394
0.975	0.5169	0.5181	0.5193	0.5209	0.5230
1.000	0.5009	0.5020	0.5032	0.5046	0.5066

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9979	0.9980	0.9984	0.9999
0.050	0.9940	0.9944	0.9955	0.9998
0.075	0.9891	0.9898	0.9916	0.9996
0.100	0.9832	0.9842	0.9871	0.9993
0.125	0.9765	0.9760	0.9818	0.9990
0.150	0.9692	0.9710	0.9760	0.9986
0.175	0.9612	0.9635	0.9697	0.9982
0.200	0.9527	0.9554	0.9628	0.9976
0.225	0.9437	0.9468	0.9554	0.9971
0.250	0.9341	0.9377	0.9475	0.9964
0.275	0.9241	0.9281	0.9392	0.9956
0.300	0.9137	0.9181	0.9304	0.9948
0.325	0.9028	0.9077	0.9211	0.9938
0.350	0.8916	0.8968	0.9115	0.9927
0.375	0.8800	0.8856	0.9014	0.9914
0.400	0.8680	0.8740	0.8909	0.9900
0.425	0.8557	0.8621	0.8801	0.9884
0.450	0.8431	0.8498	0.8688	0.9866
0.475	0.8302	0.8372	0.8571	0.9846
0.500	0.8170	0.8243	0.8451	0.9823
0.525	0.8035	0.8110	0.8326	0.9797
0.550	0.7897	0.7975	0.8198	0.9767
0.575	0.7757	0.7837	0.8067	0.9733
0.600	0.7615	0.7696	0.7931	0.9695
0.625	0.7470	0.7553	0.7792	0.9651
0.650	0.7323	0.7407	0.7650	0.9600
0.675	0.7174	0.7258	0.7504	0.9542
0.700	0.7023	0.7107	0.7354	0.9475
0.725	0.6870	0.6954	0.7201	0.9397
0.750	0.6716	0.6799	0.7045	0.9307
0.775	0.6559	0.6642	0.6886	0.9201
0.800	0.6401	0.6483	0.6723	0.9077
0.825	0.6242	0.6322	0.6557	0.8930
0.850	0.6082	0.6159	0.6388	0.8756
0.875	0.5920	0.5995	0.6217	0.8547
0.900	0.5757	0.5829	0.6042	0.8296
0.925	0.5593	0.5662	0.5864	0.7992
0.950	0.5428	0.5493	0.5684	0.7619
0.975	0.5262	0.5323	0.5500	0.7161
1.000	0.5096	0.5152	0.5315	0.6590

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-88.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9613	0.9949	0.9959	0.9962	0.9964
0.050	0.9025	0.9858	0.9886	0.9894	0.9898
0.075	0.8394	0.9743	0.9792	0.9807	0.9814
0.100	0.7772	0.9611	0.9683	0.9705	0.9716
0.125	0.7179	0.9465	0.9561	0.9591	0.9606
0.150	0.6625	0.9308	0.9429	0.9467	0.9486
0.175	0.6113	0.9141	0.9288	0.9333	0.9357
0.200	0.5642	0.8968	0.9138	0.9192	0.9220
0.225	0.5211	0.8787	0.8982	0.9044	0.9076
0.250	0.4816	0.8602	0.8820	0.8890	0.8926
0.275	0.4456	0.8412	0.8653	0.8730	0.8770
0.300	0.4127	0.8219	0.8481	0.8565	0.8609
0.325	0.3827	0.8023	0.8305	0.8396	0.8443
0.350	0.3552	0.7825	0.8125	0.8223	0.8273
0.375	0.3001	0.7625	0.7942	0.8046	0.8100
0.400	0.2274	0.7424	0.7757	0.7866	0.7922
0.425	0.1749	0.7222	0.7569	0.7683	0.7742
0.450	0.1362	0.7020	0.7379	0.7497	0.7559
0.475	0.1072	0.6818	0.7187	0.7310	0.7374
0.500	0.0851	0.6617	0.6994	0.7120	0.7186
0.525	0.0680	0.6415	0.6800	0.6929	0.6997
0.550	0.0547	0.6215	0.6605	0.6737	0.6806
0.575	0.0441	0.6016	0.6410	0.6543	0.6613
0.600	0.0356	0.5818	0.6214	0.6349	0.6420
0.625	0.0288	0.5622	0.6019	0.6154	0.6225
0.650	0.0233	0.5427	0.5823	0.5958	0.6030
0.675	0.0188	0.5234	0.5628	0.5763	0.5834
0.700	0.0151	0.5044	0.5433	0.5567	0.5638
0.725	0.0121	0.4855	0.5239	0.5371	0.5442
0.750	0.0096	0.4621	0.5046	0.5176	0.5245
0.775	0.0075	0.3904	0.4854	0.4982	0.5049
0.800	0.0058	0.3231	0.4121	0.4443	0.4616
0.825	0.0044	0.2609	0.3396	0.3689	0.3848
0.850	0.0032	0.2040	0.2708	0.2964	0.3105
0.875	0.0023	0.1528	0.2068	0.2280	0.2398
0.900	0.0015	0.1076	0.1483	0.1647	0.1739
0.925	0.0009	0.0687	0.0965	0.1079	0.1144
0.950	0.0005	0.0367	0.0526	0.0592	0.0630
0.975	0.0002	0.0128	0.0186	0.0211	0.0225
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE =.0. ***
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SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9965	0.9965	0.9966	0.9967	0.9967
0.050	0.9901	0.9903	0.9904	0.9906	0.9907
0.075	0.9819	0.9823	0.9825	0.9828	0.9830
0.100	0.9723	0.9729	0.9733	0.9736	0.9740
0.125	0.9616	0.9623	0.9629	0.9633	0.9638
0.150	0.9498	0.9507	0.9514	0.9521	0.9527
0.175	0.9372	0.9383	0.9392	0.9399	0.9406
0.200	0.9238	0.9251	0.9261	0.9270	0.9279
0.225	0.9096	0.9111	0.9123	0.9134	0.9144
0.250	0.8949	0.8966	0.8979	0.8991	0.9002
0.275	0.8795	0.8814	0.8829	0.8842	0.8855
0.300	0.8637	0.8657	0.8674	0.8688	0.8702
0.325	0.8474	0.8496	0.8514	0.8530	0.8544
0.350	0.8306	0.8330	0.8349	0.8366	0.8382
0.375	0.8134	0.8160	0.8180	0.8198	0.8215
0.400	0.7959	0.7986	0.8008	0.8027	0.8045
0.425	0.7781	0.7809	0.7832	0.7852	0.7871
0.450	0.7599	0.7629	0.7653	0.7674	0.7694
0.475	0.7416	0.7446	0.7471	0.7493	0.7513
0.500	0.7229	0.7261	0.7286	0.7309	0.7330
0.525	0.7041	0.7073	0.7100	0.7123	0.7144
0.550	0.6851	0.6884	0.6911	0.6934	0.6956
0.575	0.6659	0.6693	0.6720	0.6744	0.6766
0.600	0.6466	0.6500	0.6528	0.6552	0.6575
0.625	0.6272	0.6306	0.6334	0.6358	0.6381
0.650	0.6076	0.6111	0.6139	0.6163	0.6186
0.675	0.5880	0.5915	0.5943	0.5967	0.5990
0.700	0.5684	0.5718	0.5746	0.5770	0.5793
0.725	0.5487	0.5521	0.5549	0.5573	0.5596
0.750	0.5290	0.5324	0.5351	0.5375	0.5397
0.775	0.5094	0.5126	0.5153	0.5177	0.5199
0.800	0.4730	0.4814	0.4882	0.4943	0.5000
0.825	0.3953	0.4031	0.4096	0.4152	0.4206
0.850	0.3198	0.3268	0.3326	0.3377	0.3425
0.875	0.2476	0.2536	0.2585	0.2628	0.2670
0.900	0.1801	0.1848	0.1887	0.1922	0.1955
0.925	0.1188	0.1222	0.1249	0.1274	0.1298
0.950	0.0656	0.0676	0.0692	0.0707	0.0721
0.975	0.0235	0.0243	0.0249	0.0255	0.0260
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9967	0.9968	0.9968	0.9969	0.9970
0.050	0.9908	0.9910	0.9911	0.9913	0.9915
0.075	0.9832	0.9835	0.9837	0.9841	0.9845
0.100	0.9743	0.9747	0.9751	0.9755	0.9762
0.125	0.9643	0.9647	0.9653	0.9659	0.9668
0.150	0.9532	0.9539	0.9545	0.9554	0.9565
0.175	0.9414	0.9421	0.9429	0.9440	0.9453
0.200	0.9287	0.9296	0.9306	0.9318	0.9334
0.225	0.9153	0.9163	0.9175	0.9189	0.9207
0.250	0.9013	0.9025	0.9038	0.9054	0.9075
0.275	0.8867	0.8880	0.8894	0.8912	0.8936
0.300	0.8715	0.8730	0.8746	0.8765	0.8791
0.325	0.8559	0.8574	0.8592	0.8613	0.8641
0.350	0.8398	0.8414	0.8433	0.8456	0.8486
0.375	0.8232	0.8250	0.8270	0.8294	0.8327
0.400	0.8063	0.8081	0.8103	0.8129	0.8163
0.425	0.7890	0.7909	0.7932	0.7959	0.7996
0.450	0.7713	0.7734	0.7757	0.7786	0.7824
0.475	0.7533	0.7555	0.7579	0.7609	0.7649
0.500	0.7351	0.7373	0.7398	0.7429	0.7470
0.525	0.7166	0.7189	0.7215	0.7246	0.7289
0.550	0.6978	0.7002	0.7028	0.7061	0.7104
0.575	0.6789	0.6813	0.6840	0.6873	0.6917
0.600	0.6597	0.6622	0.6649	0.6682	0.6728
0.625	0.6404	0.6429	0.6456	0.6490	0.6536
0.650	0.6209	0.6234	0.6262	0.6296	0.6342
0.675	0.6013	0.6038	0.6066	0.6100	0.6146
0.700	0.5816	0.5841	0.5869	0.5903	0.5948
0.725	0.5618	0.5643	0.5670	0.5704	0.5749
0.750	0.5420	0.5444	0.5471	0.5504	0.5549
0.775	0.5221	0.5244	0.5271	0.5304	0.5348
0.800	0.5021	0.5044	0.5070	0.5102	0.5145
0.825	0.4260	0.4317	0.4382	0.4463	0.4571
0.850	0.3473	0.3525	0.3585	0.3658	0.3758
0.875	0.2711	0.2756	0.2807	0.2871	0.2957
0.900	0.1988	0.2024	0.2065	0.2116	0.2187
0.925	0.1322	0.1348	0.1377	0.1415	0.1466
0.950	0.0736	0.0751	0.0769	0.0792	0.0823
0.975	0.0266	0.0272	0.0279	0.0288	0.0300
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

53

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9971	0.9974	0.9979	0.9999
0.050	0.9919	0.9925	0.9941	0.9998
0.075	0.9851	0.9863	0.9892	0.9995
0.100	0.9771	0.9788	0.9833	0.9993
0.125	0.9681	0.9704	0.9765	0.9989
0.150	0.9581	0.9611	0.9689	0.9985
0.175	0.9474	0.9510	0.9606	0.9980
0.200	0.9358	0.9402	0.9516	0.9975
0.225	0.9235	0.9286	0.9420	0.9969
0.250	0.9106	0.9164	0.9317	0.9961
0.275	0.8971	0.9036	0.9208	0.9953
0.300	0.8830	0.8902	0.9093	0.9944
0.325	0.8684	0.8762	0.8972	0.9933
0.350	0.8533	0.8617	0.8845	0.9921
0.375	0.8376	0.8467	0.8713	0.9907
0.400	0.8216	0.8312	0.8575	0.9891
0.425	0.8051	0.8153	0.8432	0.9874
0.450	0.7882	0.7989	0.8284	0.9853
0.475	0.7709	0.7821	0.8130	0.9831
0.500	0.7533	0.7649	0.7971	0.9805
0.525	0.7353	0.7473	0.7807	0.9775
0.550	0.7171	0.7294	0.7639	0.9741
0.575	0.6985	0.7111	0.7465	0.9702
0.600	0.6796	0.6924	0.7286	0.9657
0.625	0.6605	0.6735	0.7103	0.9606
0.650	0.6412	0.6542	0.6915	0.9547
0.675	0.6216	0.6347	0.6722	0.9478
0.700	0.6018	0.6149	0.6525	0.9397
0.725	0.5819	0.5949	0.6324	0.9303
0.750	0.5618	0.5747	0.6119	0.9193
0.775	0.5415	0.5542	0.5909	0.9062
0.800	0.5211	0.5336	0.5696	0.8907
0.825	0.4738	0.5054	0.5479	0.8721
0.850	0.3912	0.4208	0.5087	0.8497
0.875	0.3093	0.3356	0.4164	0.8225
0.900	0.2297	0.2515	0.3207	0.7892
0.925	0.1548	0.1710	0.2244	0.7482
0.950	0.0873	0.0973	0.1316	0.6970
0.975	0.0320	0.0360	0.0502	0.5382
1.000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-88.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9248	0.9929	0.9945	0.9949	0.9952
0.050	0.8223	0.9803	0.9846	0.9858	0.9865
0.075	0.7232	0.9645	0.9720	0.9743	0.9754
0.100	0.6341	0.9464	0.9574	0.9608	0.9624
0.125	0.5562	0.9265	0.9412	0.9457	0.9480
0.150	0.4886	0.9053	0.9237	0.9293	0.9322
0.175	0.4304	0.8830	0.9050	0.9118	0.9153
0.200	0.3802	0.8599	0.8854	0.8934	0.8974
0.225	0.3328	0.8361	0.8650	0.8741	0.8787
0.250	0.2636	0.8117	0.8439	0.8540	0.8592
0.275	0.2111	0.7870	0.8222	0.8333	0.8391
0.300	0.1707	0.7620	0.7999	0.8121	0.8183
0.325	0.1391	0.7368	0.7773	0.7903	0.7970
0.350	0.1142	0.7115	0.7543	0.7681	0.7753
0.375	0.0944	0.6862	0.7310	0.7456	0.7531
0.400	0.0783	0.6610	0.7074	0.7227	0.7306
0.425	0.0653	0.6358	0.6837	0.6996	0.7078
0.450	0.0546	0.6108	0.6599	0.6762	0.6847
0.475	0.0458	0.5859	0.6360	0.6527	0.6615
0.500	0.0385	0.5613	0.6120	0.6291	0.6380
0.525	0.0323	0.5370	0.5881	0.6054	0.6144
0.550	0.0272	0.5130	0.5642	0.5816	0.5908
0.575	0.0229	0.4893	0.5404	0.5578	0.5670
0.600	0.0192	0.4634	0.5166	0.5341	0.5433
0.625	0.0160	0.4179	0.4931	0.5104	0.5196
0.650	0.0134	0.3741	0.4547	0.4832	0.4959
0.675	0.0111	0.3322	0.4089	0.4364	0.4512
0.700	0.0092	0.2922	0.3642	0.3905	0.4047
0.725	0.0075	0.2542	0.3208	0.3455	0.3589
0.750	0.0061	0.2183	0.2789	0.3017	0.3142
0.775	0.0049	0.1846	0.2387	0.2594	0.2708
0.800	0.0038	0.1532	0.2005	0.2188	0.2289
0.825	0.0029	0.1241	0.1643	0.1801	0.1889
0.850	0.0022	0.0975	0.1306	0.1437	0.1511
0.875	0.0016	0.0734	0.0994	0.1099	0.1158
0.900	0.0011	0.0519	0.0712	0.0790	0.0835
0.925	0.0007	0.0334	0.0462	0.0516	0.0546
0.950	0.0003	0.0180	0.0252	0.0282	0.0299
0.975	0.0001	0.0063	0.0089	0.0100	0.0106
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9953	0.9954	0.9955	0.9956	0.9957
0.050	0.9869	0.9872	0.9874	0.9876	0.9878
0.075	0.9761	0.9766	0.9770	0.9774	0.9777
0.100	0.9635	0.9643	0.9649	0.9654	0.9659
0.125	0.9494	0.9504	0.9513	0.9520	0.9527
0.150	0.9340	0.9353	0.9364	0.9373	0.9381
0.175	0.9175	0.9191	0.9204	0.9215	0.9225
0.200	0.9000	0.9019	0.9034	0.9047	0.9059
0.225	0.8817	0.8838	0.8855	0.8871	0.8885
0.250	0.8625	0.8650	0.8669	0.8686	0.8702
0.275	0.8427	0.8454	0.8476	0.8495	0.8512
0.300	0.8223	0.8252	0.8276	0.8297	0.8316
0.325	0.8013	0.8045	0.8070	0.8093	0.8114
0.350	0.7799	0.7833	0.7860	0.7884	0.7906
0.375	0.7580	0.7616	0.7645	0.7670	0.7694
0.400	0.7357	0.7395	0.7425	0.7452	0.7477
0.425	0.7131	0.7171	0.7202	0.7230	0.7256
0.450	0.6903	0.6943	0.6976	0.7005	0.7032
0.475	0.6671	0.6713	0.6747	0.6777	0.6805
0.500	0.6438	0.6481	0.6516	0.6546	0.6575
0.525	0.6203	0.6247	0.6282	0.6313	0.6342
0.550	0.5967	0.6011	0.6047	0.6079	0.6108
0.575	0.5730	0.5775	0.5811	0.5843	0.5872
0.600	0.5493	0.5537	0.5574	0.5605	0.5635
0.625	0.5255	0.5300	0.5336	0.5368	0.5397
0.650	0.5018	0.5062	0.5098	0.5129	0.5159
0.675	0.4609	0.4681	0.4740	0.4792	0.4841
0.700	0.4140	0.4210	0.4267	0.4317	0.4364
0.725	0.3677	0.3744	0.3798	0.3846	0.3891
0.750	0.3224	0.3286	0.3337	0.3382	0.3425
0.775	0.2783	0.2840	0.2887	0.2928	0.2968
0.800	0.2357	0.2408	0.2450	0.2487	0.2523
0.825	0.1948	0.1993	0.2030	0.2063	0.2094
0.850	0.1561	0.1599	0.1630	0.1657	0.1684
0.875	0.1198	0.1229	0.1254	0.1276	0.1298
0.900	0.0865	0.0888	0.0907	0.0924	0.0940
0.925	0.0567	0.0582	0.0595	0.0607	0.0618
0.950	0.0311	0.0320	0.0327	0.0334	0.0341
0.975	0.0111	0.0114	0.0117	0.0119	0.0122
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY .... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9957	0.9958	0.9959	0.9960	0.9961
0.050	0.9880	0.9882	0.9884	0.9887	0.9890
0.075	0.9781	0.9784	0.9788	0.9793	0.9799
0.100	0.9664	0.9669	0.9675	0.9682	0.9691
0.125	0.9533	0.9540	0.9548	0.9558	0.9570
0.150	0.9390	0.9399	0.9409	0.9421	0.9437
0.175	0.9236	0.9246	0.9259	0.9273	0.9293
0.200	0.9071	0.9084	0.9099	0.9116	0.9139
0.225	0.8899	0.8913	0.8930	0.8950	0.8976
0.250	0.8718	0.8734	0.8753	0.8775	0.8805
0.275	0.8530	0.8548	0.8569	0.8594	0.8627
0.300	0.8335	0.8355	0.8378	0.8405	0.8442
0.325	0.8134	0.8156	0.8181	0.8210	0.8250
0.350	0.7928	0.7951	0.7978	0.8010	0.8053
0.375	0.7717	0.7742	0.7770	0.7804	0.7849
0.400	0.7501	0.7528	0.7557	0.7593	0.7641
0.425	0.7282	0.7309	0.7340	0.7378	0.7428
0.450	0.7059	0.7087	0.7119	0.7159	0.7211
0.475	0.6832	0.6862	0.6895	0.6935	0.6990
0.500	0.6603	0.6633	0.6667	0.6709	0.6765
0.525	0.6371	0.6402	0.6437	0.6480	0.6537
0.550	0.6138	0.6169	0.6204	0.6248	0.6306
0.575	0.5902	0.5934	0.5969	0.6013	0.6072
0.600	0.5665	0.5697	0.5733	0.5777	0.5836
0.625	0.5427	0.5459	0.5495	0.5539	0.5598
0.650	0.5188	0.5220	0.5256	0.5300	0.5359
0.675	0.4889	0.4941	0.5000	0.5059	0.5118
0.700	0.4412	0.4462	0.4520	0.4591	0.4686
0.725	0.3937	0.3985	0.4041	0.4109	0.4201
0.750	0.3468	0.3513	0.3566	0.3630	0.3718
0.775	0.3007	0.3050	0.3098	0.3158	0.3240
0.800	0.2558	0.2597	0.2641	0.2695	0.2770
0.825	0.2125	0.2159	0.2197	0.2246	0.2312
0.850	0.1710	0.1739	0.1772	0.1813	0.1870
0.875	0.1319	0.1343	0.1370	0.1403	0.1449
0.900	0.0957	0.0975	0.0995	0.1021	0.1056
0.925	0.0630	0.0642	0.0656	0.0674	0.0699
0.950	0.0347	0.0354	0.0363	0.0373	0.0387
0.975	0.0124	0.0127	0.0130	0.0134	0.0139
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

51

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY .... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9963	0.9966	0.9974	0.9999
0.050	0.9395	0.9904	0.9927	0.9997
0.075	0.9808	0.9824	0.9865	0.9995
0.100	0.9705	0.9730	0.9791	0.9992
0.125	0.9589	0.9622	0.9706	0.9989
0.150	0.9461	0.9503	0.9611	0.9984
0.175	0.9322	0.9374	0.9507	0.9979
0.200	0.9173	0.9235	0.9394	0.9973
0.225	0.9016	0.9088	0.9273	0.9966
0.250	0.8850	0.8932	0.9144	0.9959
0.275	0.8677	0.8768	0.9006	0.9950
0.300	0.8497	0.8597	0.8861	0.9939
0.325	0.8310	0.8419	0.8709	0.9928
0.350	0.8117	0.8235	0.8549	0.9914
0.375	0.7913	0.8044	0.8381	0.9899
0.400	0.7714	0.7847	0.8207	0.9882
0.425	0.7505	0.7645	0.8026	0.9862
0.450	0.7290	0.7437	0.7838	0.9840
0.475	0.7072	0.7224	0.7643	0.9814
0.500	0.6850	0.7007	0.7442	0.9784
0.525	0.6624	0.6785	0.7235	0.9751
0.550	0.6394	0.6559	0.7021	0.9712
0.575	0.6162	0.6329	0.6801	0.9667
0.600	0.5927	0.6096	0.6575	0.9615
0.625	0.5689	0.5859	0.6343	0.9555
0.650	0.5449	0.5619	0.6105	0.9485
0.675	0.5208	0.5376	0.5862	0.9403
0.700	0.4833	0.5111	0.5614	0.9307
0.725	0.4344	0.4615	0.5361	0.9193
0.750	0.3854	0.4114	0.4890	0.9057
0.775	0.3367	0.3612	0.4355	0.8895
0.800	0.2886	0.3111	0.3809	0.8699
0.825	0.2415	0.2617	0.3253	0.8462
0.850	0.1959	0.2133	0.2694	0.8172
0.875	0.1522	0.1667	0.2140	0.7814
0.900	0.1113	0.1225	0.1599	0.7367
0.925	0.0738	0.0817	0.1085	0.6806
0.950	0.0410	0.0456	0.0617	0.5510
0.975	0.0148	0.0166	0.0228	0.3076
1.000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-88.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8855	0.9907	0.9929	0.9936	0.9939
0.050	0.7445	0.9742	0.9802	0.9820	0.9829
0.075	0.6204	0.9538	0.9642	0.9673	0.9688
0.100	0.5175	0.9305	0.9457	0.9502	0.9525
0.125	0.4334	0.9052	0.9252	0.9313	0.9343
0.150	0.3650	0.8783	0.9032	0.9107	0.9146
0.175	0.2994	0.8502	0.8798	0.8889	0.8935
0.200	0.2423	0.8212	0.8553	0.8658	0.8712
0.225	0.1979	0.7917	0.8299	0.8418	0.8479
0.250	0.1629	0.7617	0.8037	0.8170	0.8238
0.275	0.1350	0.7314	0.7770	0.7915	0.7989
0.300	0.1125	0.7010	0.7497	0.7654	0.7734
0.325	0.0943	0.6706	0.7221	0.7387	0.7474
0.350	0.0794	0.6403	0.6941	0.7117	0.7208
0.375	0.0671	0.6102	0.6660	0.6843	0.6939
0.400	0.0568	0.5804	0.6377	0.6567	0.6666
0.425	0.0482	0.5510	0.6094	0.6289	0.6391
0.450	0.0410	0.5219	0.5810	0.6010	0.6115
0.475	0.0349	0.4933	0.5528	0.5730	0.5837
0.500	0.0298	0.4642	0.5247	0.5450	0.5558
0.525	0.0253	0.4276	0.4967	0.5171	0.5279
0.550	0.0216	0.3922	0.4638	0.4890	0.5001
0.575	0.0183	0.3578	0.4275	0.4522	0.4654
0.600	0.0155	0.3246	0.3917	0.4158	0.4288
0.625	0.0131	0.2927	0.3567	0.3800	0.3925
0.650	0.0110	0.2621	0.3225	0.3448	0.3568
0.675	0.0092	0.2328	0.2893	0.3103	0.3218
0.700	0.0077	0.2050	0.2571	0.2767	0.2875
0.725	0.0063	0.1785	0.2261	0.2442	0.2541
0.750	0.0052	0.1535	0.1963	0.2127	0.2218
0.775	0.0041	0.1300	0.1678	0.1824	0.1906
0.800	0.0033	0.1080	0.1408	0.1536	0.1607
0.825	0.0025	0.0877	0.1153	0.1262	0.1323
0.850	0.0019	0.0690	0.0915	0.1006	0.1056
0.875	0.0014	0.0520	0.0697	0.0768	0.0808
0.900	0.0009	0.0369	0.0498	0.0551	0.0581
0.925	0.0006	0.0238	0.0324	0.0359	0.0379
0.950	0.0003	0.0128	0.0176	0.0196	0.0208
0.975	0.0001	0.0045	0.0062	0.0070	0.0074
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY .... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9941	0.9942	0.9943	0.9945	0.9945
0.050	0.9834	0.9838	0.9841	0.9844	0.9847
0.075	0.9698	0.9705	0.9711	0.9716	0.9720
0.100	0.9540	0.9550	0.9558	0.9566	0.9572
0.125	0.9363	0.9377	0.9388	0.9397	0.9406
0.150	0.9170	0.9188	0.9202	0.9214	0.9225
0.175	0.8964	0.8985	0.9002	0.9017	0.9031
0.200	0.8746	0.8771	0.8791	0.8808	0.8825
0.225	0.8518	0.8547	0.8570	0.8589	0.8608
0.250	0.8282	0.8313	0.8339	0.8361	0.8382
0.275	0.8037	0.8072	0.8100	0.8125	0.8148
0.300	0.7786	0.7824	0.7854	0.7881	0.7906
0.325	0.7529	0.7570	0.7602	0.7631	0.7658
0.350	0.7267	0.7310	0.7345	0.7375	0.7404
0.375	0.7000	0.7046	0.7082	0.7114	0.7144
0.400	0.6730	0.6778	0.6816	0.6849	0.6881
0.425	0.6458	0.6506	0.6546	0.6581	0.6613
0.450	0.6183	0.6233	0.6273	0.6309	0.6342
0.475	0.5906	0.5957	0.5998	0.6035	0.6069
0.500	0.5628	0.5680	0.5722	0.5759	0.5793
0.525	0.5350	0.5402	0.5444	0.5481	0.5516
0.550	0.5071	0.5123	0.5166	0.5203	0.5238
0.575	0.4741	0.4805	0.4857	0.4903	0.4947
0.600	0.4372	0.4436	0.4487	0.4533	0.4576
0.625	0.4008	0.4069	0.4120	0.4164	0.4206
0.650	0.3648	0.3707	0.3756	0.3799	0.3839
0.675	0.3293	0.3350	0.3396	0.3437	0.3476
0.700	0.2946	0.2999	0.3043	0.3082	0.3119
0.725	0.2607	0.2657	0.2698	0.2734	0.2768
0.750	0.2278	0.2324	0.2361	0.2394	0.2426
0.775	0.1960	0.2001	0.2035	0.2065	0.2094
0.800	0.1655	0.1691	0.1721	0.1748	0.1773
0.825	0.1365	0.1396	0.1421	0.1444	0.1466
0.850	0.1090	0.1116	0.1138	0.1157	0.1175
0.875	0.0835	0.0856	0.0873	0.0888	0.0903
0.900	0.0602	0.0617	0.0630	0.0641	0.0652
0.925	0.0393	0.0404	0.0412	0.0420	0.0428
0.950	0.0215	0.0221	0.0226	0.0231	0.0235
0.975	0.0077	0.0079	0.0081	0.0082	0.0084
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9946	0.9947	0.9948	0.9950	0.9951
0.050	0.9849	0.9852	0.9855	0.9858	0.9863
0.075	0.9725	0.9729	0.9735	0.9741	0.9749
0.100	0.9579	0.9586	0.9594	0.9603	0.9615
0.125	0.9415	0.9425	0.9435	0.9448	0.9465
0.150	0.9237	0.9248	0.9262	0.9278	0.9299
0.175	0.9044	0.9059	0.9075	0.9094	0.9120
0.200	0.8841	0.8857	0.8876	0.8899	0.8930
0.225	0.8626	0.8645	0.8667	0.8693	0.8728
0.250	0.8402	0.8424	0.8448	0.8478	0.8517
0.275	0.8170	0.8194	0.8221	0.8254	0.8297
0.300	0.7931	0.7957	0.7986	0.8022	0.8069
0.325	0.7684	0.7712	0.7744	0.7782	0.7834
0.350	0.7432	0.7462	0.7495	0.7536	0.7591
0.375	0.7174	0.7206	0.7241	0.7285	0.7342
0.400	0.6912	0.6945	0.6982	0.7028	0.7088
0.425	0.6645	0.6680	0.6718	0.6766	0.6829
0.450	0.6376	0.6411	0.6451	0.6500	0.6565
0.475	0.6103	0.6139	0.6180	0.6230	0.6297
0.500	0.5828	0.5865	0.5906	0.5957	0.6026
0.525	0.5551	0.5588	0.5631	0.5682	0.5752
0.550	0.5273	0.5311	0.5353	0.5405	0.5475
0.575	0.4990	0.5032	0.5074	0.5126	0.5196
0.600	0.4618	0.4664	0.4716	0.4780	0.4866
0.625	0.4245	0.4293	0.4344	0.4406	0.4491
0.650	0.3880	0.3923	0.3973	0.4034	0.4117
0.675	0.3515	0.3557	0.3605	0.3663	0.3743
0.700	0.3156	0.3195	0.3240	0.3296	0.3372
0.725	0.2803	0.2840	0.2882	0.2935	0.3006
0.750	0.2458	0.2492	0.2531	0.2579	0.2646
0.775	0.2122	0.2153	0.2189	0.2233	0.2293
0.800	0.1799	0.1826	0.1857	0.1897	0.1950
0.825	0.1488	0.1512	0.1539	0.1573	0.1620
0.850	0.1194	0.1213	0.1236	0.1265	0.1304
0.875	0.0917	0.0933	0.0952	0.0975	0.1006
0.900	0.0663	0.0675	0.0689	0.0706	0.0730
0.925	0.0435	0.0443	0.0453	0.0465	0.0481
0.950	0.0239	0.0244	0.0249	0.0256	0.0265
0.975	0.0085	0.0087	0.0089	0.0092	0.0095
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9954	0.9958	0.9969	0.9999
0.050	0.9870	0.9882	0.9912	0.9997
0.075	0.9761	0.9783	0.9836	0.9995
0.100	0.9634	0.9666	0.9746	0.9992
0.125	0.9489	0.9533	0.9643	0.9988
0.150	0.9330	0.9386	0.9528	0.9983
0.175	0.9153	0.9227	0.9401	0.9978
0.200	0.8975	0.9056	0.9263	0.9971
0.225	0.8780	0.8874	0.9114	0.9964
0.250	0.8576	0.8682	0.8956	0.9956
0.275	0.8362	0.8480	0.8788	0.9946
0.300	0.8140	0.8270	0.8610	0.9935
0.325	0.7911	0.8051	0.8423	0.9922
0.350	0.7674	0.7824	0.8226	0.9907
0.375	0.7430	0.7590	0.8021	0.9891
0.400	0.7180	0.7349	0.7807	0.9872
0.425	0.6925	0.7101	0.7584	0.9850
0.450	0.6664	0.6848	0.7353	0.9825
0.475	0.6399	0.6589	0.7114	0.9796
0.500	0.6130	0.6324	0.6866	0.9762
0.525	0.5857	0.6055	0.6611	0.9724
0.550	0.5582	0.5781	0.6349	0.9680
0.575	0.5303	0.5504	0.6079	0.9628
0.600	0.4993	0.5224	0.5802	0.9568
0.625	0.4622	0.4869	0.5518	0.9498
0.650	0.4244	0.4467	0.5200	0.9415
0.675	0.3866	0.4102	0.4804	0.9317
0.700	0.3490	0.3717	0.4400	0.9201
0.725	0.3117	0.3332	0.3987	0.9062
0.750	0.2749	0.2949	0.3569	0.8895
0.775	0.2387	0.2571	0.3148	0.8692
0.800	0.2035	0.2200	0.2725	0.8444
0.825	0.1693	0.1838	0.2304	0.8139
0.850	0.1366	0.1488	0.1889	0.7759
0.875	0.1056	0.1156	0.1485	0.7282
0.900	0.0768	0.0844	0.1098	0.6676
0.925	0.0507	0.0559	0.0737	0.5634
0.950	0.0280	0.0310	0.0415	0.4133
0.975	0.0101	0.0112	0.0152	0.2078
1.000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY .... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-88.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8452	0.9883	0.9912	0.9921	0.9925
0.050	0.6724	0.9677	0.9756	0.9779	0.9790
0.075	0.5326	0.9424	0.9559	0.9599	0.9619
0.100	0.4245	0.9137	0.9332	0.9391	0.9420
0.125	0.3414	0.8827	0.9083	0.9160	0.9198
0.150	0.2771	0.8500	0.8815	0.8911	0.8959
0.175	0.2268	0.8162	0.8532	0.8646	0.8704
0.200	0.1872	0.7815	0.8237	0.8369	0.8436
0.225	0.1556	0.7463	0.7933	0.8081	0.8156
0.250	0.1301	0.7108	0.7621	0.7784	0.7868
0.275	0.1093	0.6753	0.7303	0.7480	0.7571
0.300	0.0923	0.6400	0.6981	0.7170	0.7268
0.325	0.0783	0.6049	0.6656	0.6856	0.6960
0.350	0.0666	0.5702	0.6330	0.6538	0.6647
0.375	0.0568	0.5360	0.6003	0.6218	0.6331
0.400	0.0485	0.5024	0.5676	0.5897	0.6013
0.425	0.0416	0.4695	0.5350	0.5575	0.5693
0.450	0.0356	0.4373	0.5027	0.5253	0.5373
0.475	0.0305	0.4059	0.4707	0.4933	0.5053
0.500	0.0262	0.3753	0.4391	0.4615	0.4735
0.525	0.0224	0.3457	0.4079	0.4300	0.4419
0.550	0.0192	0.3169	0.3772	0.3989	0.4105
0.575	0.0164	0.2892	0.3471	0.3681	0.3795
0.600	0.0139	0.2625	0.3177	0.3379	0.3489
0.625	0.0118	0.2367	0.2890	0.3083	0.3188
0.650	0.0100	0.2121	0.2611	0.2793	0.2893
0.675	0.0084	0.1885	0.2340	0.2511	0.2605
0.700	0.0070	0.1660	0.2078	0.2237	0.2324
0.725	0.0058	0.1447	0.1826	0.1971	0.2051
0.750	0.0047	0.1245	0.1584	0.1715	0.1788
0.775	0.0038	0.1056	0.1354	0.1470	0.1534
0.800	0.0030	0.0878	0.1135	0.1236	0.1293
0.825	0.0024	0.0713	0.0930	0.1015	0.1063
0.850	0.0018	0.0562	0.0738	0.0808	0.0848
0.875	0.0013	0.0424	0.0561	0.0617	0.0648
0.900	0.0009	0.0301	0.0402	0.0443	0.0466
0.925	0.0005	0.0194	0.0261	0.0288	0.0304
0.950	0.0003	0.0105	0.0142	0.0157	0.0166
0.975	0.0001	0.0037	0.0050	0.0056	0.0059
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

63

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9927	0.9929	0.9931	0.9932	0.9933
0.050	0.9797	0.9802	0.9806	0.9810	0.9813
0.075	0.9631	0.9640	0.9647	0.9653	0.9659
0.100	0.9438	0.9451	0.9462	0.9471	0.9480
0.125	0.9223	0.9241	0.9255	0.9267	0.9279
0.150	0.8989	0.9012	0.9030	0.9045	0.9059
0.175	0.8741	0.8767	0.8789	0.8807	0.8825
0.200	0.8478	0.8509	0.8534	0.8556	0.8576
0.225	0.8205	0.8240	0.8268	0.8293	0.8316
0.250	0.7921	0.7960	0.7992	0.8019	0.8045
0.275	0.7630	0.7672	0.7707	0.7737	0.7765
0.300	0.7331	0.7377	0.7414	0.7446	0.7477
0.325	0.7026	0.7075	0.7115	0.7149	0.7182
0.350	0.6717	0.6768	0.6810	0.6847	0.6881
0.375	0.6404	0.6457	0.6501	0.6539	0.6575
0.400	0.6088	0.6143	0.6188	0.6228	0.6264
0.425	0.5770	0.5827	0.5873	0.5913	0.5951
0.450	0.5451	0.5509	0.5555	0.5597	0.5635
0.475	0.5132	0.5190	0.5237	0.5279	0.5318
0.500	0.4813	0.4871	0.4919	0.4961	0.5000
0.525	0.4496	0.4554	0.4601	0.4642	0.4681
0.550	0.4181	0.4233	0.4285	0.4326	0.4364
0.575	0.3869	0.3925	0.3970	0.4010	0.4048
0.600	0.3561	0.3615	0.3659	0.3698	0.3735
0.625	0.3257	0.3309	0.3352	0.3389	0.3425
0.650	0.2959	0.3008	0.3049	0.3085	0.3119
0.675	0.2667	0.2713	0.2752	0.2786	0.2818
0.700	0.2382	0.2425	0.2461	0.2493	0.2523
0.725	0.2104	0.2145	0.2178	0.2207	0.2235
0.750	0.1836	0.1873	0.1903	0.1929	0.1955
0.775	0.1578	0.1610	0.1637	0.1661	0.1684
0.800	0.1330	0.1359	0.1383	0.1404	0.1424
0.825	0.1095	0.1120	0.1140	0.1158	0.1175
0.850	0.0874	0.0895	0.0911	0.0926	0.0940
0.875	0.0669	0.0685	0.0698	0.0710	0.0721
0.900	0.0481	0.0493	0.0503	0.0512	0.0520
0.925	0.0314	0.0322	0.0329	0.0335	0.0341
0.950	0.0172	0.0177	0.0180	0.0184	0.0187
0.975	0.0061	0.0063	0.0064	0.0065	0.0067
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***
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SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY .... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	. Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9935	0.9936	0.9937	0.9939	0.9941
0.050	0.9816	0.9820	0.9823	0.9828	0.9834
0.075	0.9665	0.9671	0.9678	0.9686	0.9696
0.100	0.9488	0.9497	0.9507	0.9519	0.9534
0.125	0.9290	0.9302	0.9315	0.9331	0.9352
0.150	0.9074	0.9088	0.9105	0.9125	0.9152
0.175	0.8842	0.8860	0.8880	0.8904	0.8936
0.200	0.8596	0.8617	0.8641	0.8669	0.8707
0.225	0.8339	0.8362	0.8389	0.8422	0.8465
0.250	0.8070	0.8097	0.8127	0.8164	0.8212
0.275	0.7793	0.7822	0.7855	0.7895	0.7949
0.300	0.7507	0.7539	0.7574	0.7618	0.7676
0.325	0.7214	0.7248	0.7286	0.7333	0.7395
0.350	0.6915	0.6950	0.6991	0.7041	0.7106
0.375	0.6610	0.6648	0.6690	0.6742	0.6811
0.400	0.6301	0.6340	0.6384	0.6438	0.6511
0.425	0.5989	0.6029	0.6075	0.6130	0.6205
0.450	0.5674	0.5715	0.5761	0.5818	0.5895
0.475	0.5357	0.5393	0.5446	0.5503	0.5581
0.500	0.5039	0.5081	0.5128	0.5186	0.5264
0.525	0.4721	0.4762	0.4809	0.4868	0.4946
0.550	0.4403	0.4444	0.4491	0.4549	0.4626
0.575	0.4086	0.4127	0.4173	0.4230	0.4306
0.600	0.3772	0.3811	0.3856	0.3912	0.3987
0.625	0.3460	0.3499	0.3542	0.3596	0.3669
0.650	0.3153	0.3189	0.3231	0.3283	0.3353
0.675	0.2850	0.2885	0.2924	0.2973	0.3040
0.700	0.2553	0.2586	0.2623	0.2669	0.2731
0.725	0.2263	0.2293	0.2327	0.2370	0.2428
0.750	0.1980	0.2008	0.2039	0.2078	0.2132
0.775	0.1707	0.1731	0.1760	0.1795	0.1843
0.800	0.1444	0.1465	0.1490	0.1521	0.1564
0.825	0.1192	0.1211	0.1232	0.1259	0.1296
0.850	0.0955	0.0970	0.0988	0.1010	0.1041
0.875	0.0733	0.0745	0.0759	0.0777	0.0801
0.900	0.0529	0.0538	0.0549	0.0562	0.0580
0.925	0.0346	0.0353	0.0360	0.0369	0.0381
0.950	0.0190	0.0194	0.0198	0.0203	0.0210
0.975	0.0068	0.0069	0.0071	0.0072	0.0075
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9944	0.9950	0.9963	0.9999
0.050	0.9843	0.9858	0.9895	0.9997
0.075	0.9712	0.9739	0.9806	0.9995
0.100	0.9557	0.9598	0.9699	0.9991
0.125	0.9383	0.9438	0.9576	0.9987
0.150	0.9191	0.9262	0.9438	0.9982
0.175	0.8984	0.9070	0.9286	0.9976
0.200	0.8763	0.8864	0.9122	0.9970
0.225	0.8530	0.8646	0.8944	0.9962
0.250	0.8284	0.8415	0.8754	0.9953
0.275	0.8029	0.8174	0.8553	0.9942
0.300	0.7763	0.7921	0.8339	0.9930
0.325	0.7489	0.7660	0.8115	0.9916
0.350	0.7206	0.7389	0.7879	0.9900
0.375	0.6916	0.7109	0.7632	0.9882
0.400	0.6620	0.6822	0.7375	0.9861
0.425	0.6318	0.6528	0.7107	0.9836
0.450	0.6011	0.6227	0.6830	0.9808
0.475	0.5699	0.5921	0.6543	0.9776
0.500	0.5384	0.5609	0.6246	0.9738
0.525	0.5066	0.5292	0.5941	0.9695
0.550	0.4746	0.4972	0.5627	0.9644
0.575	0.4425	0.4649	0.5305	0.9584
0.600	0.4103	0.4324	0.4976	0.9514
0.625	0.3781	0.3997	0.4639	0.9432
0.650	0.3461	0.3670	0.4298	0.9334
0.675	0.3144	0.3343	0.3951	0.9217
0.700	0.2829	0.3018	0.3600	0.9076
0.725	0.2519	0.2696	0.3246	0.8906
0.750	0.2215	0.2378	0.2891	0.8699
0.775	0.1919	0.2067	0.2537	0.8444
0.800	0.1631	0.1762	0.2185	0.8128
0.825	0.1354	0.1468	0.1838	0.7731
0.850	0.1089	0.1185	0.1499	0.7229
0.875	0.0840	0.0917	0.1173	0.6586
0.900	0.0609	0.0667	0.0863	0.5754
0.925	0.0401	0.0441	0.0576	0.4673
0.950	0.0221	0.0244	0.0323	0.3275
0.975	0.0079	0.0088	0.0117	0.1547
1.000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY .... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-87.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9897	0.9959	0.9969	0.9972	0.9973
0.050	0.9724	0.9887	0.9913	0.9921	0.9925
0.075	0.9516	0.9797	0.9841	0.9856	0.9863
0.100	0.9289	0.9692	0.9758	0.9779	0.9790
0.125	0.9050	0.9577	0.9666	0.9694	0.9709
0.150	0.8306	0.9454	0.9565	0.9601	0.9620
0.175	0.8559	0.9323	0.9458	0.9396	0.9423
0.200	0.8313	0.9187	0.9345	0.9345	0.9316
0.225	0.8070	0.9046	0.9226	0.9285	0.9316
0.250	0.7830	0.8902	0.9103	0.9169	0.9204
0.275	0.7594	0.8754	0.8976	0.9050	0.9088
0.300	0.7365	0.8603	0.8845	0.8926	0.8968
0.325	0.7141	0.8451	0.8711	0.8799	0.8845
0.350	0.6923	0.8297	0.8575	0.8668	0.8718
0.375	0.6712	0.8141	0.8436	0.8535	0.8588
0.400	0.6507	0.7985	0.8294	0.8400	0.8455
0.425	0.6309	0.7829	0.8151	0.8262	0.8320
0.450	0.6117	0.7672	0.8006	0.8121	0.8182
0.475	0.5932	0.7515	0.7860	0.7979	0.8043
0.500	0.5753	0.7359	0.7713	0.7836	0.7901
0.525	0.5530	0.7203	0.7565	0.7691	0.7758
0.550	0.5413	0.7047	0.7416	0.7544	0.7613
0.575	0.5251	0.6892	0.7266	0.7397	0.7467
0.600	0.5096	0.6739	0.7116	0.7248	0.7319
0.625	0.4946	0.6586	0.6965	0.7099	0.7171
0.650	0.4801	0.6434	0.6814	0.6949	0.7021
0.675	0.4661	0.6284	0.6664	0.6798	0.6871
0.700	0.4526	0.6135	0.6513	0.6647	0.6719
0.725	0.4396	0.5987	0.6362	0.6496	0.6568
0.750	0.4271	0.5841	0.6212	0.6344	0.6415
0.775	0.4150	0.5697	0.6062	0.6193	0.6263
0.800	0.4033	0.5554	0.5913	0.6041	0.6110
0.825	0.3920	0.5413	0.5764	0.5889	0.5957
0.850	0.3811	0.5273	0.5616	0.5738	0.5804
0.875	0.3706	0.5135	0.5468	0.5587	0.5651
0.900	0.3605	0.4999	0.5322	0.5436	0.5498
0.925	0.3507	0.4865	0.5176	0.5286	0.5345
0.950	0.3412	0.4733	0.5031	0.5136	0.5192
0.975	0.3321	0.4603	0.4887	0.4987	0.5040
1.000	0.3233	0.4474	0.4745	0.4839	0.4889

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=    5.00 DEGREES
GEOMETRY ....... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9974	0.9975	0.9975	0.9976	0.9976
0.050	0.9927	0.9929	0.9931	0.9932	0.9933
0.075	0.9867	0.9871	0.9874	0.9876	0.9878
0.100	0.9797	0.9802	0.9806	0.9810	0.9813
0.125	0.9718	0.9725	0.9731	0.9735	0.9740
0.150	0.9632	0.9640	0.9647	0.9654	0.9659
0.175	0.9539	0.9549	0.9558	0.9565	0.9572
0.200	0.9440	0.9452	0.9462	0.9471	0.9480
0.225	0.9335	0.9350	0.9362	0.9372	0.9381
0.250	0.9226	0.9243	0.9256	0.9268	0.9278
0.275	0.9113	0.9131	0.9146	0.9159	0.9171
0.300	0.8995	0.9015	0.9032	0.9046	0.9059
0.325	0.8874	0.8896	0.8914	0.8929	0.8944
0.350	0.8750	0.8773	0.8792	0.8809	0.8825
0.375	0.8622	0.8647	0.8667	0.8685	0.8702
0.400	0.8491	0.8518	0.8539	0.8558	0.8576
0.425	0.8353	0.8386	0.8409	0.8429	0.8447
0.450	0.8222	0.8251	0.8275	0.8296	0.8316
0.475	0.8084	0.8114	0.8139	0.8161	0.8181
0.500	0.7944	0.7975	0.8001	0.8024	0.8045
0.525	0.7802	0.7834	0.7861	0.7884	0.7906
0.550	0.7658	0.7691	0.7718	0.7742	0.7765
0.575	0.7512	0.7546	0.7574	0.7599	0.7622
0.600	0.7366	0.7400	0.7428	0.7453	0.7477
0.625	0.7218	0.7252	0.7281	0.7306	0.7330
0.650	0.7068	0.7103	0.7132	0.7158	0.7181
0.675	0.6918	0.6953	0.6982	0.7008	0.7032
0.700	0.6767	0.6802	0.6831	0.6856	0.6880
0.725	0.6615	0.6650	0.6679	0.6704	0.6728
0.750	0.6462	0.6497	0.6525	0.6551	0.6574
0.775	0.6309	0.6343	0.6371	0.6396	0.6420
0.800	0.6155	0.6189	0.6217	0.6241	0.6264
0.825	0.6001	0.6034	0.6061	0.6085	0.6108
0.850	0.5847	0.5879	0.5905	0.5929	0.5951
0.875	0.5692	0.5724	0.5749	0.5772	0.5793
0.900	0.5538	0.5568	0.5593	0.5614	0.5635
0.925	0.5384	0.5412	0.5436	0.5457	0.5476
0.950	0.5229	0.5257	0.5279	0.5299	0.5317
0.975	0.5075	0.5101	0.5122	0.5141	0.5158
1.000	0.4921	0.4946	0.4965	0.4983	0.4999

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9977	0.9977	0.9978	0.9978	0.9979
0.050	0.9935	0.9936	0.9937	0.9939	0.9941
0.075	0.9880	0.9883	0.9885	0.9888	0.9892
0.100	0.9816	0.9820	0.9824	0.9828	0.9835
0.125	0.9744	0.9749	0.9754	0.9760	0.9769
0.150	0.9665	0.9671	0.9678	0.9686	0.9697
0.175	0.9579	0.9587	0.9595	0.9605	0.9618
0.200	0.9488	0.9496	0.9506	0.9518	0.9534
0.225	0.9391	0.9401	0.9412	0.9426	0.9444
0.250	0.9289	0.9301	0.9314	0.9329	0.9350
0.275	0.9183	0.9196	0.9210	0.9228	0.9251
0.300	0.9073	0.9087	0.9103	0.9122	0.9148
0.325	0.8958	0.8974	0.8991	0.9012	0.9040
0.350	0.8840	0.8857	0.8875	0.8898	0.8929
0.375	0.8719	0.8736	0.8756	0.8781	0.8814
0.400	0.8594	0.8613	0.8634	0.8660	0.8695
0.425	0.8466	0.8486	0.8508	0.8536	0.8573
0.450	0.8335	0.8356	0.8380	0.8409	0.8448
0.475	0.8202	0.8224	0.8248	0.8279	0.8319
0.500	0.8066	0.8089	0.8114	0.8146	0.8188
0.525	0.7928	0.7951	0.7977	0.8010	0.8054
0.550	0.7787	0.7811	0.7838	0.7872	0.7917
0.575	0.7644	0.7669	0.7697	0.7731	0.7777
0.600	0.7500	0.7525	0.7553	0.7588	0.7635
0.625	0.7353	0.7379	0.7407	0.7443	0.7490
0.650	0.7205	0.7231	0.7260	0.7295	0.7344
0.675	0.7056	0.7081	0.7110	0.7146	0.7195
0.700	0.6904	0.6930	0.6959	0.6995	0.7044
0.725	0.6752	0.6777	0.6806	0.6842	0.6891
0.750	0.6598	0.6623	0.6652	0.6688	0.6736
0.775	0.6443	0.6468	0.6497	0.6532	0.6580
0.800	0.6287	0.6312	0.6340	0.6375	0.6421
0.825	0.6130	0.6154	0.6182	0.6216	0.6262
0.850	0.5973	0.5996	0.6023	0.6056	0.6101
0.875	0.5814	0.5837	0.5863	0.5895	0.5938
0.900	0.5655	0.5677	0.5702	0.5733	0.5774
0.925	0.5496	0.5517	0.5541	0.5570	0.5610
0.950	0.5336	0.5356	0.5378	0.5406	0.5444
0.975	0.5176	0.5194	0.5216	0.5242	0.5277
1.000	0.5015	0.5033	0.5053	0.5077	0.5109

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9980	0.9983	0.9988	1.0000
0.050	0.9945	0.9951	0.9966	0.9999
0.075	0.9899	0.9910	0.9938	0.9998
0.100	0.9844	0.9860	0.9903	0.9997
0.125	0.9782	0.9804	0.9863	0.9996
0.150	0.9713	0.9742	0.9818	0.9995
0.175	0.9638	0.9674	0.9768	0.9993
0.200	0.9558	0.9601	0.9714	0.9991
0.225	0.9472	0.9522	0.9655	0.9989
0.250	0.9382	0.9439	0.9591	0.9986
0.275	0.9286	0.9351	0.9524	0.9983
0.300	0.9187	0.9259	0.9451	0.9979
0.325	0.9083	0.9162	0.9375	0.9975
0.350	0.8975	0.9061	0.9294	0.9971
0.375	0.8864	0.8956	0.9209	0.9965
0.400	0.8748	0.8847	0.9119	0.9959
0.425	0.8629	0.8734	0.9025	0.9952
0.450	0.8507	0.8617	0.8926	0.9944
0.475	0.8351	0.8497	0.8823	0.9935
0.500	0.8252	0.8373	0.8715	0.9924
0.525	0.8120	0.8246	0.8603	0.9911
0.550	0.7985	0.8115	0.8486	0.9897
0.575	0.7848	0.7981	0.8364	0.9880
0.600	0.7707	0.7843	0.8238	0.9860
0.625	0.7564	0.7702	0.8106	0.9837
0.650	0.7418	0.7558	0.7970	0.9809
0.675	0.7269	0.7411	0.7829	0.9777
0.700	0.7119	0.7261	0.7683	0.9738
0.725	0.6966	0.7108	0.7532	0.9691
0.750	0.6810	0.6952	0.7375	0.9634
0.775	0.6653	0.6793	0.7214	0.9564
0.800	0.6494	0.6632	0.7047	0.9478
0.825	0.6333	0.6468	0.6875	0.9370
0.850	0.6170	0.6301	0.6698	0.9234
0.875	0.6005	0.6132	0.6516	0.9059
0.900	0.5839	0.5961	0.6328	0.8832
0.925	0.5671	0.5787	0.6135	0.8531
0.950	0.5502	0.5611	0.5937	0.8125
0.975	0.5331	0.5433	0.5733	0.7562
1.000	0.5159	0.5254	0.5524	0.6766

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-87.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9350	0.9932	0.9953	0.9959	0.9961
0.050	0.8443	0.9813	0.9869	0.9884	0.9892
0.075	0.7546	0.9665	0.9762	0.9790	0.9803
0.100	0.6724	0.9497	0.9639	0.9680	0.9699
0.125	0.5990	0.9314	0.9503	0.9557	0.9584
0.150	0.5345	0.9119	0.9355	0.9423	0.9457
0.175	0.4779	0.8916	0.9199	0.9281	0.9322
0.200	0.4285	0.8706	0.9034	0.9131	0.9179
0.225	0.3852	0.8492	0.8863	0.8974	0.9029
0.250	0.3473	0.8274	0.8687	0.8810	0.8873
0.275	0.2879	0.8054	0.8505	0.8642	0.8711
0.300	0.1989	0.7833	0.8320	0.8469	0.8544
0.325	0.1423	0.7611	0.8132	0.8292	0.8373
0.350	0.1046	0.7390	0.7940	0.8111	0.8198
0.375	0.0787	0.7169	0.7747	0.7927	0.8020
0.400	0.0602	0.6949	0.7551	0.7741	0.7838
0.425	0.0468	0.6732	0.7355	0.7552	0.7654
0.450	0.0368	0.6516	0.7157	0.7362	0.7468
0.475	0.0292	0.6303	0.6959	0.7170	0.7279
0.500	0.0234	0.6092	0.6760	0.6976	0.7089
0.525	0.0188	0.5885	0.6561	0.6782	0.6897
0.550	0.0152	0.5680	0.6363	0.6587	0.6704
0.575	0.0124	0.5479	0.6165	0.6391	0.6510
0.600	0.0101	0.5281	0.5967	0.6196	0.6315
0.625	0.0082	0.5086	0.5771	0.6000	0.6120
0.650	0.0066	0.4895	0.5576	0.5804	0.5924
0.675	0.0054	0.4708	0.5382	0.5609	0.5729
0.700	0.0043	0.4525	0.5190	0.5414	0.5533
0.725	0.0035	0.3970	0.4999	0.5221	0.5338
0.750	0.0028	0.3324	0.4810	0.5028	0.5143
0.775	0.0022	0.2739	0.4262	0.4829	0.4949
0.800	0.0017	0.2214	0.3555	0.4077	0.4362
0.825	0.0013	0.1747	0.2891	0.3356	0.3614
0.850	0.0009	0.1337	0.2277	0.2674	0.2898
0.875	0.0007	0.0981	0.1717	0.2039	0.2225
0.900	0.0004	0.0677	0.1217	0.1461	0.1605
0.925	0.0003	0.0424	0.0782	0.0950	0.1049
0.950	0.0001	0.0223	0.0421	0.0517	0.0574
0.975	0.0000	0.0076	0.0147	0.0182	0.0204
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9963	0.9964	0.9965	0.9966	0.9967
0.050	0.9897	0.9900	0.9903	0.9905	0.9907
0.075	0.9811	0.9817	0.9822	0.9826	0.9830
0.100	0.9712	0.9721	0.9728	0.9734	0.9740
0.125	0.9600	0.9612	0.9622	0.9630	0.9638
0.150	0.9479	0.9494	0.9506	0.9517	0.9527
0.175	0.9348	0.9367	0.9382	0.9394	0.9406
0.200	0.9209	0.9231	0.9249	0.9264	0.9278
0.225	0.9064	0.9089	0.9110	0.9127	0.9143
0.250	0.8912	0.8941	0.8964	0.8984	0.9002
0.275	0.8755	0.8786	0.8812	0.8834	0.8855
0.300	0.8592	0.8627	0.8655	0.8679	0.8702
0.325	0.8425	0.8463	0.8493	0.8520	0.8544
0.350	0.8254	0.8294	0.8327	0.8355	0.8382
0.375	0.8079	0.8122	0.8157	0.8187	0.8215
0.400	0.7901	0.7946	0.7983	0.8015	0.8045
0.425	0.7719	0.7767	0.7806	0.7839	0.7871
0.450	0.7536	0.7585	0.7626	0.7661	0.7693
0.475	0.7349	0.7401	0.7443	0.7479	0.7513
0.500	0.7161	0.7214	0.7257	0.7295	0.7330
0.525	0.6971	0.7025	0.7069	0.7108	0.7144
0.550	0.6779	0.6835	0.6880	0.6919	0.6956
0.575	0.6586	0.6643	0.6689	0.6729	0.6766
0.600	0.6392	0.6449	0.6496	0.6536	0.6574
0.625	0.6198	0.6255	0.6302	0.6343	0.6381
0.650	0.6002	0.6060	0.6106	0.6148	0.6186
0.675	0.5806	0.5864	0.5910	0.5952	0.5990
0.700	0.5510	0.5667	0.5714	0.5755	0.5793
0.725	0.5414	0.5471	0.5517	0.5557	0.5595
0.750	0.5218	0.5274	0.5320	0.5359	0.5397
0.775	0.5023	0.5078	0.5122	0.5161	0.5198
0.800	0.4549	0.4689	0.4804	0.4904	0.4999
0.825	0.3786	0.3916	0.4022	0.4116	0.4205
0.850	0.3050	0.3164	0.3259	0.3344	0.3424
0.875	0.2352	0.2448	0.2528	0.2600	0.2669
0.900	0.1703	0.1779	0.1842	0.1899	0.1954
0.925	0.1119	0.1172	0.1217	0.1258	0.1297
0.950	0.0615	0.0647	0.0673	0.0698	0.0721
0.975	0.0219	0.0231	0.0242	0.0251	0.0260
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9968	0.9969	0.9969	0.9970	0.9972
0.050	0.9909	0.9911	0.9914	0.9917	0.9921
0.075	0.9834	0.9838	0.9842	0.9847	0.9854
0.100	0.9745	0.9751	0.9758	0.9766	0.9776
0.125	0.9646	0.9654	0.9662	0.9673	0.9687
0.150	0.9536	0.9546	0.9558	0.9571	0.9589
0.175	0.9418	0.9431	0.9444	0.9461	0.9483
0.200	0.9292	0.9307	0.9323	0.9343	0.9369
0.225	0.9160	0.9176	0.9195	0.9218	0.9248
0.250	0.9020	0.9039	0.9061	0.9087	0.9121
0.275	0.8875	0.8896	0.8920	0.8949	0.8987
0.300	0.8724	0.8748	0.8774	0.8806	0.8848
0.325	0.8568	0.8594	0.8623	0.8658	0.8704
0.350	0.8408	0.8436	0.8467	0.8504	0.8554
0.375	0.8243	0.8273	0.8306	0.8346	0.8399
0.400	0.8074	0.8106	0.8141	0.8183	0.8240
0.425	0.7902	0.7935	0.7972	0.8017	0.8077
0.450	0.7726	0.7760	0.7799	0.7846	0.7909
0.475	0.7547	0.7582	0.7623	0.7672	0.7737
0.500	0.7365	0.7402	0.7443	0.7494	0.7562
0.525	0.7180	0.7218	0.7261	0.7313	0.7383
0.550	0.6993	0.7032	0.7076	0.7129	0.7201
0.575	0.6803	0.6843	0.6888	0.6943	0.7016
0.600	0.6612	0.6652	0.6698	0.6754	0.6828
0.625	0.6419	0.6460	0.6506	0.6562	0.6637
0.650	0.6224	0.6265	0.6311	0.6368	0.6444
0.675	0.6028	0.6069	0.6116	0.6172	0.6248
0.700	0.5831	0.5872	0.5918	0.5975	0.6051
0.725	0.5633	0.5673	0.5719	0.5775	0.5851
0.750	0.5434	0.5474	0.5519	0.5575	0.5650
0.775	0.5235	0.5274	0.5318	0.5373	0.5446
0.800	0.5035	0.5073	0.5117	0.5170	0.5242
0.825	0.4295	0.4391	0.4500	0.4635	0.4817
0.850	0.3505	0.3592	0.3692	0.3816	0.3985
0.875	0.2738	0.2813	0.2900	0.3008	0.3157
0.900	0.2010	0.2070	0.2140	0.2228	0.2350
0.925	0.1337	0.1381	0.1432	0.1496	0.1587
0.950	0.0745	0.0771	0.0802	0.0842	0.0897
0.975	0.0269	0.0280	0.0292	0.0307	0.0329
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

73

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9974	0.9977	0.9985	1.0000
0.050	0.9926	0.9936	0.9958	0.9999
0.075	0.9864	0.9882	0.9923	0.9998
0.100	0.9791	0.9817	0.9879	0.9997
0.125	0.9707	0.9743	0.9829	0.9996
0.150	0.9615	0.9661	0.9773	0.9994
0.175	0.9515	0.9572	0.9710	0.9993
0.200	0.9407	0.9475	0.9642	0.9991
0.225	0.9293	0.9372	0.9568	0.9988
0.250	0.9172	0.9262	0.9487	0.9985
0.275	0.9044	0.9146	0.9401	0.9982
0.300	0.8911	0.9024	0.9310	0.9978
0.325	0.8772	0.8896	0.9212	0.9974
0.350	0.8628	0.8762	0.9109	0.9969
0.375	0.8479	0.8624	0.8999	0.9963
0.400	0.8325	0.8479	0.8884	0.9957
0.425	0.8167	0.8330	0.8763	0.9949
0.450	0.8003	0.8176	0.8635	0.9940
0.475	0.7836	0.8017	0.8502	0.9930
0.500	0.7665	0.7853	0.8362	0.9918
0.525	0.7489	0.7684	0.8216	0.9905
0.550	0.7310	0.7511	0.8063	0.9889
0.575	0.7128	0.7334	0.7904	0.9870
0.600	0.6941	0.7152	0.7739	0.9848
0.625	0.6752	0.6966	0.7567	0.9822
0.650	0.6560	0.6776	0.7388	0.9791
0.675	0.6365	0.6582	0.7202	0.9754
0.700	0.6167	0.6385	0.7009	0.9709
0.725	0.5967	0.6184	0.6810	0.9654
0.750	0.5764	0.5979	0.6603	0.9588
0.775	0.5559	0.5771	0.6390	0.9505
0.800	0.5352	0.5560	0.6169	0.9402
0.825	0.5097	0.5347	0.5941	0.9271
0.850	0.4249	0.4755	0.5707	0.9102
0.875	0.3392	0.3853	0.5285	0.8883
0.900	0.2545	0.2937	0.4233	0.8591
0.925	0.1732	0.2032	0.3089	0.8196
0.950	0.0987	0.1173	0.1898	0.7648
0.975	0.0365	0.0444	0.0761	0.6867
1.000	0.0000	0.0000	0.0000	0.0000

74

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=    5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	-87.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8689	0.9901	0.9935	0.9944	0.9948
0.050	0.7153	0.9729	0.9820	0.9844	0.9855
0.075	0.5856	0.9518	0.9675	0.9717	0.9737
0.100	0.4817	0.9281	0.9508	0.9569	0.9599
0.125	0.3992	0.9026	0.9324	0.9406	0.9446
0.150	0.3336	0.8758	0.9126	0.9229	0.9280
0.175	0.2457	0.8481	0.8917	0.9041	0.9102
0.200	0.1804	0.8199	0.8699	0.8843	0.8914
0.225	0.1357	0.7913	0.8474	0.8637	0.8718
0.250	0.1041	0.7627	0.8243	0.8424	0.8515
0.275	0.0813	0.7340	0.8007	0.8206	0.8306
0.300	0.0643	0.7056	0.7767	0.7982	0.8091
0.325	0.0515	0.6773	0.7524	0.7754	0.7871
0.350	0.0417	0.6494	0.7280	0.7523	0.7647
0.375	0.0340	0.6219	0.7034	0.7239	0.7419
0.400	0.0279	0.5949	0.6787	0.7053	0.7189
0.425	0.0230	0.5684	0.6541	0.6815	0.6956
0.450	0.0191	0.5424	0.6295	0.6576	0.6721
0.475	0.0159	0.5170	0.6049	0.6336	0.6485
0.500	0.0132	0.4922	0.5805	0.6096	0.6248
0.525	0.0111	0.4680	0.5563	0.5857	0.6010
0.550	0.0092	0.4415	0.5322	0.5617	0.5772
0.575	0.0077	0.3964	0.5084	0.5379	0.5534
0.600	0.0064	0.3539	0.4849	0.5142	0.5297
0.625	0.0054	0.3140	0.4439	0.4906	0.5060
0.650	0.0045	0.2767	0.4038	0.4508	0.4760
0.675	0.0037	0.2419	0.3602	0.4051	0.4295
0.700	0.0030	0.2096	0.3183	0.3605	0.3838
0.725	0.0025	0.1796	0.2782	0.3174	0.3391
0.750	0.0020	0.1521	0.2400	0.2758	0.2958
0.775	0.0016	0.1268	0.2038	0.2359	0.2540
0.800	0.0012	0.1038	0.1699	0.1980	0.2140
0.825	0.0010	0.0830	0.1382	0.1622	0.1760
0.850	0.0007	0.0644	0.1090	0.1288	0.1403
0.875	0.0005	0.0478	0.0824	0.0980	0.1072
0.900	0.0003	0.0334	0.0585	0.0701	0.0770
0.925	0.0002	0.0212	0.0378	0.0455	0.0502
0.950	0.0001	0.0113	0.0204	0.0248	0.0274
0.975	0.0000	0.0039	0.0072	0.0087	0.0097
1.000	-0.	0.0000	0.0000	0.0000	0.0000

73

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9951	0.9953	0.9954	0.9956	0.9957
0.050	0.9862	0.9868	0.9872	0.9875	0.9878
0.075	0.9750	0.9759	0.9766	0.9772	0.9777
0.100	0.9618	0.9631	0.9642	0.9651	0.9659
0.125	0.9471	0.9489	0.9503	0.9515	0.9527
0.150	0.9311	0.9334	0.9352	0.9367	0.9381
0.175	0.9140	0.9167	0.9189	0.9208	0.9225
0.200	0.8959	0.8991	0.9017	0.9039	0.9059
0.225	0.8769	0.8806	0.8836	0.8861	0.8885
0.250	0.8572	0.8614	0.8647	0.8675	0.8512
0.275	0.8369	0.8414	0.8451	0.8483	0.8316
0.300	0.8159	0.8209	0.8249	0.8284	0.8316
0.325	0.7945	0.7998	0.8041	0.8079	0.8113
0.350	0.7725	0.7783	0.7829	0.7869	0.7906
0.375	0.7502	0.7563	0.7612	0.7654	0.7693
0.400	0.7276	0.7339	0.7390	0.7435	0.7477
0.425	0.7046	0.7113	0.7166	0.7212	0.7256
0.450	0.6815	0.6883	0.6938	0.6987	0.7032
0.475	0.6581	0.6651	0.6708	0.6758	0.6804
0.500	0.6346	0.6418	0.6476	0.6527	0.6574
0.525	0.6109	0.6182	0.6242	0.6293	0.6342
0.550	0.5872	0.5946	0.6006	0.6059	0.6108
0.575	0.5635	0.5709	0.5769	0.5822	0.5872
0.600	0.5397	0.5472	0.5532	0.5585	0.5635
0.625	0.5160	0.5234	0.5294	0.5347	0.5397
0.650	0.4923	0.4997	0.5056	0.5109	0.5158
0.675	0.4455	0.4575	0.4673	0.4759	0.4840
0.700	0.3991	0.4107	0.4201	0.4285	0.4363
0.725	0.3537	0.3646	0.3736	0.3815	0.3891
0.750	0.3093	0.3195	0.3279	0.3353	0.3424
0.775	0.2663	0.2756	0.2833	0.2902	0.2967
0.800	0.2249	0.2333	0.2402	0.2463	0.2522
0.825	0.1855	0.1927	0.1987	0.2041	0.2093
0.850	0.1482	0.1543	0.1594	0.1640	0.1683
0.875	0.1135	0.1184	0.1225	0.1262	0.1297
0.900	0.0817	0.0854	0.0885	0.0913	0.0940
0.925	0.0534	0.0559	0.0580	0.0600	0.0618
0.950	0.0292	0.0307	0.0319	0.0330	0.0340
0.975	0.0104	0.0109	0.0114	0.0118	0.0122
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=    5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9958	0.9959	0.9960	0.9962	0.9964
0.050	0.9881	0.9884	0.9888	0.9892	0.9898
0.075	0.9783	0.9789	0.9795	0.9802	0.9812
0.100	0.9667	0.9676	0.9685	0.9697	0.9711
0.125	0.9538	0.9549	0.9562	0.9577	0.9597
0.150	0.9395	0.9410	0.9426	0.9446	0.9471
0.175	0.9242	0.9260	0.9280	0.9304	0.9335
0.200	0.9079	0.9101	0.9124	0.9152	0.9189
0.225	0.8908	0.8932	0.8959	0.8992	0.9034
0.250	0.8728	0.8755	0.8786	0.8823	0.8871
0.275	0.8541	0.8571	0.8605	0.8646	0.8700
0.300	0.8347	0.8381	0.8418	0.8463	0.8522
0.325	0.8148	0.8184	0.8224	0.8273	0.8338
0.350	0.7943	0.7981	0.8025	0.8077	0.8147
0.375	0.7732	0.7773	0.7820	0.7876	0.7950
0.400	0.7518	0.7561	0.7610	0.7669	0.7747
0.425	0.7299	0.7344	0.7395	0.7457	0.7540
0.450	0.7076	0.7123	0.7177	0.7241	0.7327
0.475	0.6850	0.6899	0.6954	0.7021	0.7110
0.500	0.6622	0.6672	0.6728	0.6797	0.6889
0.525	0.6390	0.6441	0.6499	0.6570	0.6664
0.550	0.6157	0.6209	0.6267	0.6339	0.6435
0.575	0.5921	0.5974	0.6033	0.6106	0.6203
0.600	0.5684	0.5737	0.5797	0.5870	0.5969
0.625	0.5446	0.5499	0.5559	0.5632	0.5731
0.650	0.5208	0.5260	0.5320	0.5393	0.5491
0.675	0.4921	0.5008	0.5079	0.5152	0.5249
0.700	0.4443	0.4527	0.4623	0.4742	0.4902
0.725	0.3966	0.4048	0.4141	0.4255	0.4411
0.750	0.3495	0.3572	0.3660	0.3769	0.3918
0.775	0.3033	0.3104	0.3186	0.3288	0.3427
0.800	0.2582	0.2646	0.2720	0.2813	0.2941
0.825	0.2145	0.2202	0.2268	0.2350	0.2464
0.850	0.1728	0.1776	0.1832	0.1903	0.2001
0.875	0.1333	0.1373	0.1419	0.1476	0.1557
0.900	0.0968	0.0998	0.1033	0.1077	0.1139
0.925	0.0637	0.0658	0.0682	0.0713	0.0757
0.950	0.0351	0.0363	0.0378	0.0396	0.0421
0.975	0.0126	0.0130	0.0136	0.0142	0.0152
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9967	0.9972	0.9982	1.0000
0.050	0.9906	0.9919	0.9950	0.9999
0.075	0.9827	0.9851	0.9906	0.9998
0.100	0.9733	0.9770	0.9854	0.9997
0.125	0.9626	0.9677	0.9793	0.9996
0.150	0.9509	0.9573	0.9724	0.9994
0.175	0.9381	0.9460	0.9648	0.9992
0.200	0.9243	0.9338	0.9564	0.9990
0.225	0.9097	0.9207	0.9472	0.9988
0.250	0.8942	0.9068	0.9374	0.9985
0.275	0.8780	0.8921	0.9267	0.9981
0.300	0.8610	0.8766	0.9154	0.9977
0.325	0.8434	0.8604	0.9032	0.9973
0.350	0.8250	0.8435	0.8903	0.9967
0.375	0.8061	0.8259	0.8767	0.9961
0.400	0.7865	0.8077	0.8623	0.9954
0.425	0.7663	0.7887	0.8471	0.9946
0.450	0.7457	0.7692	0.8310	0.9936
0.475	0.7245	0.7490	0.8142	0.9925
0.500	0.7028	0.7282	0.7966	0.9913
0.525	0.6807	0.7069	0.7781	0.9897
0.550	0.6581	0.6850	0.7587	0.9880
0.575	0.6351	0.6626	0.7385	0.9859
0.600	0.6118	0.6397	0.7175	0.9834
0.625	0.5881	0.6162	0.6955	0.9805
0.650	0.5642	0.5924	0.6727	0.9770
0.675	0.5399	0.5680	0.6489	0.9728
0.700	0.5148	0.5433	0.6243	0.9676
0.725	0.4652	0.5110	0.5987	0.9613
0.750	0.4150	0.4596	0.5723	0.9534
0.775	0.3645	0.4071	0.5375	0.9436
0.800	0.3142	0.3539	0.4797	0.9311
0.825	0.2645	0.3005	0.4187	0.9151
0.850	0.2157	0.2474	0.3548	0.8941
0.875	0.1687	0.1952	0.2836	0.8663
0.900	0.1240	0.1449	0.2211	0.8284
0.925	0.0828	0.0977	0.1540	0.7757
0.950	0.0463	0.0552	0.0901	0.7005
0.975	0.0168	0.0202	0.0343	0.4729
1.000	0.0000	0.0000	0.0000	0.0000

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    *** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
    *** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

    SOLAR FIELD ANGLE, D=    5.00 DEGREES
    GEOMETRY ...... D1/D2 = 0.50

    BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9967	0.9972	0.9982	1.0000
0.050	0.9906	0.9919	0.9950	0.9999
0.075	0.9827	0.9851	0.9906	0.9998
0.100	0.9733	0.9770	0.9854	0.9997
0.125	0.9626	0.9677	0.9793	0.9996
0.150	0.9509	0.9573	0.9724	0.9994
0.175	0.9381	0.9460	0.9648	0.9992
0.200	0.9243	0.9338	0.9564	0.9990
0.225	0.9097	0.9207	0.9472	0.9988
0.250	0.8942	0.9068	0.9374	0.9985
0.275	0.8780	0.8921	0.9267	0.9981
0.300	0.8610	0.8766	0.9154	0.9977
0.325	0.8434	0.8604	0.9032	0.9973
0.350	0.8250	0.8435	0.8903	0.9967
0.375	0.8061	0.8259	0.8767	0.9961
0.400	0.7865	0.8077	0.8623	0.9954
0.425	0.7663	0.7887	0.8471	0.9946
0.450	0.7457	0.7692	0.8310	0.9936
0.475	0.7245	0.7490	0.8142	0.9925
0.500	0.7028	0.7282	0.7966	0.9913
0.525	0.6807	0.7069	0.7781	0.9897
0.550	0.6581	0.6850	0.7587	0.9880
0.575	0.6351	0.6626	0.7385	0.9859
0.600	0.6118	0.6397	0.7175	0.9834
0.625	0.5881	0.6162	0.6955	0.9805
0.650	0.5642	0.5924	0.6727	0.9770
0.675	0.5399	0.5680	0.6489	0.9728
0.700	0.5148	0.5433	0.6243	0.9676
0.725	0.4652	0.5110	0.5987	0.9613
0.750	0.4150	0.4596	0.5723	0.9534
0.775	0.3645	0.4071	0.5375	0.9436
0.800	0.3142	0.3539	0.4797	0.9311
0.825	0.2645	0.3005	0.4187	0.9151
0.850	0.2157	0.2474	0.3548	0.8941
0.875	0.1687	0.1952	0.2836	0.8663
0.900	0.1240	0.1449	0.2211	0.8284
0.925	0.0828	0.0977	0.1540	0.7757
0.950	0.0463	0.0552	0.0901	0.7005
0.975	0.0168	0.0202	0.0343	0.4729
1.000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = O. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-87.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8019	0.9367	0.9916	0.9928	0.9934
0.050	0.6039	0.9638	0.9766	0.9800	0.9816
0.075	0.4577	0.9359	0.9580	0.9638	0.9666
0.100	0.3523	0.9050	0.9366	0.9451	0.9491
0.125	0.2620	0.8721	0.9131	0.9244	0.9298
0.150	0.1943	0.8380	0.8881	0.9021	0.9089
0.175	0.1474	0.8032	0.8619	0.8785	0.8866
0.200	0.1141	0.7680	0.8346	0.8538	0.8632
0.225	0.0897	0.7329	0.8066	0.8282	0.8389
0.250	0.0714	0.6980	0.7780	0.8018	0.8137
0.275	0.0576	0.6635	0.7491	0.7749	0.7879
0.300	0.0469	0.6296	0.7198	0.7475	0.7615
0.325	0.0384	0.5964	0.6904	0.7197	0.7346
0.350	0.0317	0.5639	0.6609	0.6916	0.7073
0.375	0.0264	0.5322	0.6315	0.6634	0.6798
0.400	0.0220	0.5014	0.6022	0.6350	0.6520
0.425	0.0184	0.4715	0.5731	0.6066	0.6240
0.450	0.0155	0.4410	0.5442	0.5782	0.5960
0.475	0.0130	0.4040	0.5157	0.5499	0.5679
0.500	0.0110	0.3687	0.4875	0.5218	0.5399
0.525	0.0093	0.3351	0.4549	0.4939	0.5120
0.550	0.0078	0.3033	0.4187	0.4603	0.4826
0.575	0.0066	0.2731	0.3834	0.4240	0.4459
0.600	0.0055	0.2447	0.3492	0.3884	0.4097
0.625	0.0047	0.2179	0.3160	0.3535	0.3740
0.650	0.0039	0.1928	0.2840	0.3195	0.3391
0.675	0.0032	0.1692	0.2532	0.2864	0.3049
0.700	0.0027	0.1472	0.2236	0.2544	0.2717
0.725	0.0022	0.1267	0.1954	0.2236	0.2395
0.750	0.0018	0.1078	0.1686	0.1940	0.2084
0.775	0.0014	0.0903	0.1433	0.1658	0.1786
0.800	0.0011	0.0742	0.1195	0.1390	0.1502
0.825	0.0009	0.0596	0.0973	0.1138	0.1234
0.850	0.0006	0.0464	0.0768	0.0903	0.0982
0.875	0.0005	0.0346	0.0581	0.0687	0.0749
0.900	0.0003	0.0243	0.0414	0.0491	0.0537
0.925	0.0002	0.0155	0.0267	0.0319	0.0350
0.950	0.0001	0.0083	0.0145	0.0173	0.0191
0.975	0.0000	0.0029	0.0051	0.0061	0.0068
1.000	-0.	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9938	0.9940	0.9942	0.9944	0.9945
0.050	0.9825	0.9832	0.9838	0.9842	0.9847
0.075	0.9683	0.9695	0.9704	0.9713	0.9720
0.100	0.9517	0.9535	0.9549	0.9561	0.9572
0.125	0.9332	0.9356	0.9375	0.9391	0.9406
0.150	0.9131	0.9161	0.9186	0.9206	0.9225
0.175	0.8917	0.8954	0.8983	0.9008	0.9031
0.200	0.8692	0.8734	0.8768	0.8797	0.8825
0.225	0.8456	0.8505	0.8543	0.8577	0.8608
0.250	0.8212	0.8266	0.8310	0.8347	0.8382
0.275	0.7961	0.8020	0.8068	0.8109	0.8147
0.300	0.7703	0.7768	0.7819	0.7864	0.7906
0.325	0.7441	0.7509	0.7565	0.7613	0.7657
0.350	0.7173	0.7246	0.7305	0.7356	0.7403
0.375	0.6902	0.6979	0.7040	0.7094	0.7144
0.400	0.6628	0.6708	0.6772	0.6828	0.6880
0.425	0.6352	0.6434	0.6501	0.6559	0.6613
0.450	0.6074	0.6158	0.6227	0.6286	0.6342
0.475	0.5795	0.5881	0.5951	0.6012	0.6069
0.500	0.5516	0.5603	0.5673	0.5735	0.5793
0.525	0.5237	0.5325	0.5395	0.5458	0.5516
0.550	0.4959	0.5046	0.5117	0.5179	0.5238
0.575	0.4603	0.4710	0.4797	0.4874	0.4946
0.600	0.4237	0.4342	0.4428	0.4504	0.4575
0.625	0.3876	0.3978	0.4062	0.4136	0.4205
0.650	0.3521	0.3619	0.3700	0.3771	0.3838
0.675	0.3173	0.3266	0.3343	0.3411	0.3476
0.700	0.2833	0.2920	0.2993	0.3057	0.3118
0.725	0.2502	0.2583	0.2651	0.2711	0.2768
0.750	0.2182	0.2256	0.2318	0.2373	0.2425
0.775	0.1874	0.1941	0.1996	0.2046	0.2093
0.800	0.1579	0.1638	0.1687	0.1731	0.1772
0.825	0.1299	0.1350	0.1392	0.1429	0.1466
0.850	0.1036	0.1078	0.1113	0.1144	0.1175
0.875	0.0792	0.0825	0.0853	0.0878	0.0902
0.900	0.0569	0.0594	0.0615	0.0634	0.0652
0.925	0.0371	0.0388	0.0402	0.0415	0.0427
0.950	0.0203	0.0212	0.0220	0.0228	0.0235
0.975	0.0072	0.0076	0.0078	0.0081	0.0084
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE =.0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9947	0.9949	0.9950	0.9952	0.9955
0.050	0.9851	0.9855	0.9860	0.9866	0.9873
0.075	0.9728	0.9735	0.9744	0.9754	0.9767
0.100	0.9583	0.9595	0.9607	0.9622	0.9642
0.125	0.9421	0.9437	0.9454	0.9474	0.9501
0.150	0.9244	0.9263	0.9285	0.9311	0.9345
0.175	0.9053	0.9077	0.9103	0.9135	0.9176
0.200	0.8851	0.8879	0.8910	0.8947	0.8995
0.225	0.8638	0.8670	0.8706	0.8748	0.8804
0.250	0.8416	0.8452	0.8492	0.8540	0.8603
0.275	0.8185	0.8225	0.8269	0.8322	0.8392
0.300	0.7947	0.7990	0.8038	0.8096	0.8173
0.325	0.7702	0.7743	0.7800	0.7863	0.7946
0.350	0.7450	0.7500	0.7555	0.7623	0.7712
0.375	0.7194	0.7246	0.7305	0.7376	0.7470
0.400	0.6932	0.6987	0.7049	0.7123	0.7223
0.425	0.6667	0.6723	0.6788	0.6865	0.6969
0.450	0.6397	0.6456	0.6522	0.6603	0.6710
0.475	0.6125	0.6185	0.6253	0.6336	0.6447
0.500	0.5851	0.5912	0.5981	0.6065	0.6179
0.525	0.5574	0.5636	0.5706	0.5792	0.5907
0.550	0.5295	0.5358	0.5429	0.5515	0.5631
0.575	0.5018	0.5080	0.5150	0.5237	0.5353
0.600	0.4646	0.4723	0.4809	0.4916	0.5060
0.625	0.4275	0.4350	0.4435	0.4541	0.4683
0.650	0.3906	0.3979	0.4062	0.4165	0.4304
0.675	0.3541	0.3610	0.3690	0.3789	0.3924
0.700	0.3180	0.3246	0.3322	0.3417	0.3546
0.725	0.2825	0.2887	0.2959	0.3048	0.3169
0.750	0.2478	0.2536	0.2602	0.2684	0.2798
0.775	0.2141	0.2193	0.2253	0.2328	0.2432
0.800	0.1815	0.1861	0.1915	0.1982	0.2074
0.825	0.1502	0.1542	0.1589	0.1647	0.1728
0.850	0.1205	0.1239	0.1278	0.1327	0.1395
0.875	0.0927	0.0954	0.0985	0.1025	0.1080
0.900	0.0670	0.0691	0.0714	0.0744	0.0786
0.925	0.0440	0.0454	0.0470	0.0490	0.0519
0.950	0.0242	0.0250	0.0259	0.0271	0.0287
0.975	0.0086	0.0089	0.0093	0.0097	0.0103
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9959	0.9965	0.9979	1.0000
0.050	0.9884	0.9901	0.9941	0.9999
0.075	0.9786	0.9818	0.9889	0.9998
0.100	0.9670	0.9718	0.9827	0.9997
0.125	0.9539	0.9605	0.9754	0.9996
0.150	0.9394	0.9478	0.9672	0.9994
0.175	0.9236	0.9340	0.9580	0.9992
0.200	0.9066	0.9190	0.9479	0.9990
0.225	0.8886	0.9029	0.9369	0.9987
0.250	0.8696	0.8859	0.9250	0.9984
0.275	0.8496	0.8678	0.9121	0.9980
0.300	0.8287	0.8488	0.8983	0.9976
0.325	0.8069	0.8289	0.8835	0.9971
0.350	0.7844	0.8081	0.8678	0.9965
0.375	0.7611	0.7865	0.8511	0.9959
0.400	0.7371	0.7641	0.8334	0.9951
0.425	0.7125	0.7408	0.8147	0.9942
0.450	0.6872	0.7168	0.7950	0.9932
0.475	0.6614	0.6921	0.7742	0.9920
0.500	0.6350	0.6666	0.7524	0.9906
0.525	0.6081	0.6405	0.7295	0.9890
0.550	0.5808	0.6138	0.7055	0.9870
0.575	0.5531	0.5865	0.6804	0.9847
0.600	0.5251	0.5586	0.6542	0.9820
0.625	0.4902	0.5301	0.6269	0.9787
0.650	0.4520	0.4931	0.5984	0.9747
0.675	0.4134	0.4538	0.5688	0.9698
0.700	0.3747	0.4139	0.5334	0.9639
0.725	0.3361	0.3735	0.4905	0.9565
0.750	0.2976	0.3330	0.4459	0.9472
0.775	0.2596	0.2923	0.3995	0.9355
0.800	0.2222	0.2519	0.3516	0.9204
0.825	0.1858	0.2120	0.3024	0.9006
0.850	0.1505	0.1730	0.2524	0.8742
0.875	0.1169	0.1354	0.2022	0.8384
0.900	0.0854	0.0996	0.1524	0.7885
0.925	0.0566	0.0665	0.1044	0.7171
0.950	0.0315	0.0372	0.0600	0.5870
0.975	0.0114	0.0135	0.0224	0.3409
1.000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-87.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.7377	0.9829	0.9895	0.9911	0.9919
0.050	0.5113	0.9539	0.9709	0.9753	0.9773
0.075	0.3622	0.9191	0.9478	0.9553	0.9589
0.100	0.2638	0.8809	0.9215	0.9324	0.9376
0.125	0.1971	0.8406	0.8929	0.9072	0.9141
0.150	0.1505	0.7994	0.8625	0.8801	0.8887
0.175	0.1171	0.7577	0.8308	0.8516	0.8618
0.200	0.0925	0.7162	0.7980	0.8219	0.8336
0.225	0.0740	0.6751	0.7646	0.7912	0.8044
0.250	0.0599	0.6347	0.7307	0.7598	0.7744
0.275	0.0489	0.5953	0.6966	0.7278	0.7436
0.300	0.0403	0.5569	0.6623	0.6955	0.7123
0.325	0.0334	0.5197	0.6281	0.6628	0.6806
0.350	0.0278	0.4838	0.5941	0.6301	0.6486
0.375	0.0233	0.4491	0.5603	0.5972	0.6164
0.400	0.0196	0.4158	0.5269	0.5645	0.5841
0.425	0.0165	0.3839	0.4940	0.5319	0.5518
0.450	0.0140	0.3533	0.4617	0.4996	0.5196
0.475	0.0118	0.3241	0.4299	0.4675	0.4876
0.500	0.0100	0.2962	0.3989	0.4359	0.4558
0.525	0.0085	0.2697	0.3686	0.4048	0.4244
0.550	0.0072	0.2445	0.3390	0.3742	0.3933
0.575	0.0061	0.2207	0.3103	0.3442	0.3628
0.600	0.0051	0.1981	0.2825	0.3149	0.3328
0.625	0.0043	0.1769	0.2556	0.2863	0.3034
0.650	0.0036	0.1567	0.2297	0.2586	0.2746
0.675	0.0030	0.1378	0.2048	0.2316	0.2467
0.700	0.0025	0.1202	0.1809	0.2056	0.2196
0.725	0.0021	0.1037	0.1581	0.1806	0.1933
0.750	0.0017	0.0883	0.1365	0.1566	0.1681
0.775	0.0013	0.0742	0.1160	0.1338	0.1440
0.800	0.0011	0.0611	0.0968	0.1121	0.1210
0.825	0.0008	0.0492	0.0789	0.0918	0.0993
0.850	0.0006	0.0384	0.0623	0.0728	0.0790
0.875	0.0004	0.0287	0.0472	0.0554	0.0602
0.900	0.0003	0.0202	0.0336	0.0396	0.0432
0.925	0.0002	0.0129	0.0217	0.0257	0.0281
0.950	0.0001	0.0069	0.0118	0.0140	0.0153
0.975	0.0000	0.0024	0.0041	0.0049	0.0054
1.000	-0.	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ....... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9923	0.9927	0.9929	0.9931	0.9933
0.050	0.9786	0.9795	0.9802	0.9808	0.9813
0.075	0.9611	0.9627	0.9639	0.9650	0.9659
0.100	0.9409	0.9432	0.9450	0.9465	0.9480
0.125	0.9184	0.9214	0.9239	0.9259	0.9278
0.150	0.8941	0.8979	0.9009	0.9035	0.9059
0.175	0.8682	0.8728	0.8764	0.8796	0.8825
0.200	0.8410	0.8463	0.8506	0.8542	0.8576
0.225	0.8128	0.8188	0.8236	0.8277	0.8316
0.250	0.7836	0.7903	0.7956	0.8002	0.8045
0.275	0.7536	0.7609	0.7667	0.7718	0.7765
0.300	0.7231	0.7309	0.7371	0.7426	0.7477
0.325	0.6920	0.7003	0.7069	0.7127	0.7181
0.350	0.6605	0.6692	0.6762	0.6823	0.6880
0.375	0.6287	0.6378	0.6451	0.6515	0.6574
0.400	0.5968	0.6061	0.6137	0.6202	0.6264
0.425	0.5647	0.5743	0.5820	0.5887	0.5951
0.450	0.5327	0.5423	0.5502	0.5570	0.5635
0.475	0.5007	0.5104	0.5183	0.5252	0.5317
0.500	0.4689	0.4785	0.4864	0.4934	0.4999
0.525	0.4373	0.4468	0.4547	0.4616	0.4681
0.550	0.4060	0.4154	0.4231	0.4299	0.4363
0.575	0.3751	0.3843	0.3918	0.3985	0.4048
0.600	0.3446	0.3535	0.3608	0.3673	0.3734
0.625	0.3147	0.3232	0.3303	0.3365	0.3424
0.650	0.2854	0.2935	0.3002	0.3062	0.3118
0.675	0.2568	0.2644	0.2708	0.2764	0.2817
0.700	0.2289	0.2361	0.2420	0.2472	0.2522
0.725	0.2020	0.2085	0.2139	0.2188	0.2234
0.750	0.1759	0.1818	0.1868	0.1912	0.1954
0.775	0.1509	0.1562	0.1606	0.1646	0.1683
0.800	0.1270	0.1317	0.1355	0.1390	0.1423
0.825	0.1044	0.1084	0.1117	0.1146	0.1175
0.850	0.0832	0.0865	0.0892	0.0916	0.0940
0.875	0.0636	0.0661	0.0683	0.0702	0.0721
0.900	0.0457	0.0476	0.0492	0.0506	0.0520
0.925	0.0298	0.0310	0.0321	0.0331	0.0340
0.950	0.0163	0.0170	0.0176	0.0181	0.0187
0.975	0.0058	0.0060	0.0063	0.0065	0.0067
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9935	0.9937	0.9940	0.9942	0.9946
0.050	0.9818	0.9824	0.9830	0.9837	0.9847
0.075	0.9669	0.9678	0.9689	0.9702	0.9719
0.100	0.9493	0.9508	0.9524	0.9543	0.9568
0.125	0.9297	0.9317	0.9338	0.9364	0.9397
0.150	0.9083	0.9107	0.9135	0.9167	0.9210
0.175	0.8853	0.8883	0.8916	0.8955	0.9006
0.200	0.8609	0.3644	0.8693	0.8729	0.8789
0.225	0.8353	0.8393	0.8437	0.8490	0.8559
0.250	0.8087	0.8131	0.8180	0.8240	0.8318
0.275	0.7811	0.7859	0.7914	0.7979	0.8065
0.300	0.7526	0.7579	0.7638	0.7709	0.7803
0.325	0.7235	0.7291	0.7354	0.7431	0.7532
0.350	0.6937	0.6996	0.7063	0.7145	0.7252
0.375	0.6633	0.6696	0.6766	0.6851	0.6965
0.400	0.6325	0.6390	0.6463	0.6552	0.6671
0.425	0.6014	0.6080	0.6156	0.6248	0.6371
0.450	0.5699	0.5767	0.5844	0.5939	0.6065
0.475	0.5382	0.5451	0.5530	0.5626	0.5754
0.500	0.5064	0.5134	0.5213	0.5310	0.5440
0.525	0.4746	0.4815	0.4894	0.4991	0.5122
0.550	0.4428	0.4497	0.4575	0.4672	0.4802
0.575	0.4111	0.4179	0.4256	0.4351	0.4480
0.600	0.3796	0.3862	0.3937	0.4030	0.4157
0.625	0.3484	0.3547	0.3621	0.3711	0.3834
0.650	0.3175	0.3236	0.3306	0.3393	0.3512
0.675	0.2871	0.2929	0.2996	0.3079	0.3192
0.700	0.2573	0.2627	0.2690	0.2768	0.2875
0.725	0.2281	0.2331	0.2390	0.2462	0.2562
0.750	0.1997	0.2043	0.2096	0.2163	0.2255
0.775	0.1722	0.1763	0.1811	0.1871	0.1954
0.800	0.1457	0.1493	0.1536	0.1589	0.1663
0.825	0.1204	0.1235	0.1271	0.1317	0.1381
0.850	0.0964	0.0990	0.1020	0.1059	0.1112
0.875	0.0740	0.0761	0.0785	0.0816	0.0858
0.900	0.0534	0.0550	0.0568	0.0591	0.0623
0.925	0.0350	0.0361	0.0373	0.0389	0.0411
0.950	0.0192	0.0198	0.0205	0.0214	0.0227
0.975	0.0069	0.0071	0.0073	0.0077	0.0081
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9951	0.9959	0.9976	1.0000
0.050	0.9860	0.9882	0.9931	0.9999
0.075	0.9743	0.9783	0.9871	0.9998
0.100	0.9603	0.9664	0.9798	0.9997
0.125	0.9446	0.9528	0.9713	0.9996
0.150	0.9271	0.9377	0.9616	0.9994
0.175	0.9081	0.9211	0.9508	0.9992
0.200	0.8878	0.9031	0.9388	0.9989
0.225	0.8661	0.8839	0.9258	0.9986
0.250	0.8433	0.8634	0.9116	0.9983
0.275	0.8193	0.8418	0.8962	0.9979
0.300	0.7942	0.8190	0.8798	0.9975
0.325	0.7682	0.7951	0.8621	0.9970
0.350	0.7413	0.7702	0.8432	0.9964
0.375	0.7135	0.7442	0.8231	0.9957
0.400	0.6849	0.7174	0.8018	0.9948
0.425	0.6556	0.6895	0.7792	0.9939
0.450	0.6256	0.6608	0.7553	0.9928
0.475	0.5950	0.6313	0.7301	0.9915
0.500	0.5639	0.6010	0.7036	0.9900
0.525	0.5323	0.5699	0.6758	0.9881
0.550	0.5003	0.5381	0.6465	0.9860
0.575	0.4679	0.5058	0.6160	0.9834
0.600	0.4353	0.4729	0.5840	0.9804
0.625	0.4026	0.4395	0.5507	0.9766
0.650	0.3698	0.4058	0.5161	0.9721
0.675	0.3370	0.3717	0.4801	0.9666
0.700	0.3044	0.3375	0.4429	0.9597
0.725	0.2720	0.3033	0.4045	0.9510
0.750	0.2401	0.2691	0.3651	0.9400
0.775	0.2087	0.2353	0.3247	0.9259
0.800	0.1780	0.2019	0.2837	0.9074
0.825	0.1483	0.1691	0.2421	0.8828
0.850	0.1198	0.1374	0.2005	0.8494
0.875	0.0928	0.1070	0.1593	0.8028
0.900	0.0675	0.0784	0.1191	0.7360
0.925	0.0446	0.0522	0.0808	0.6377
0.950	0.0247	0.0291	0.0460	0.4885
0.975	0.0089	0.0105	0.0170	0.2621
1.000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-84.50	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9887	0.9937	0.9960	0.9967	0.9970
0.050	0.9697	0.9828	0.9889	0.9907	0.9916
0.075	0.9472	0.9693	0.9800	0.9831	0.9847
0.100	0.9226	0.9541	0.9697	0.9743	0.9766
0.125	0.8970	0.9378	0.9583	0.9645	0.9676
0.150	0.8710	0.9206	0.9461	0.9539	0.9578
0.175	0.8448	0.9028	0.9332	0.9426	0.9474
0.200	0.8188	0.8845	0.9197	0.9307	0.9363
0.225	0.7932	0.8660	0.9057	0.9183	0.9247
0.250	0.7681	0.8474	0.8914	0.9055	0.9127
0.275	0.7436	0.8287	0.8767	0.8922	0.9002
0.300	0.7198	0.8101	0.8618	0.8787	0.8874
0.325	0.6967	0.7915	0.8466	0.8648	0.8743
0.350	0.6743	0.7731	0.8313	0.8507	0.8608
0.375	0.6526	0.7548	0.8159	0.8364	0.8471
0.400	0.6317	0.7368	0.8004	0.8219	0.8332
0.425	0.6115	0.7190	0.7848	0.8072	0.8190
0.450	0.5921	0.7015	0.7692	0.7924	0.8047
0.475	0.5733	0.6842	0.7535	0.7775	0.7902
0.500	0.5553	0.6673	0.7379	0.7625	0.7756
0.525	0.5379	0.6506	0.7223	0.7475	0.7609
0.550	0.5212	0.6343	0.7068	0.7324	0.7461
0.575	0.5051	0.6183	0.6914	0.7173	0.7312
0.600	0.4896	0.6026	0.6760	0.7022	0.7162
0.625	0.4747	0.5873	0.6607	0.6870	0.7012
0.650	0.4604	0.5722	0.6456	0.6719	0.6861
0.675	0.4466	0.5575	0.6305	0.6568	0.6710
0.700	0.4333	0.5431	0.6156	0.6418	0.6559
0.725	0.4205	0.5291	0.6008	0.6268	0.6409
0.750	0.4082	0.5154	0.5862	0.6118	0.6258
0.775	0.3963	0.5019	0.5717	0.5970	0.6107
0.800	0.3849	0.4888	0.5573	0.5822	0.5957
0.825	0.3739	0.4760	0.5432	0.5675	0.5807
0.850	0.3634	0.4635	0.5291	0.5529	0.5657
0.875	0.3532	0.4513	0.5153	0.5384	0.5509
0.900	0.3433	0.4394	0.5016	0.5240	0.5360
0.925	0.3338	0.4278	0.4882	0.5097	0.5213
0.950	0.3247	0.4165	0.4749	0.4955	0.5066
0.975	0.3159	0.4054	0.4617	0.4815	0.4921
1.000	0.3074	0.3947	0.4488	0.4676	0.4776

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9972	0.9973	0.9974	0.9975	0.9976
0.050	0.9921	0.9925	0.9928	0.9931	0.9933
0.075	0.9856	0.9863	0.9869	0.9874	0.9878
0.100	0.9781	0.9791	0.9799	0.9806	0.9813
0.125	0.9696	0.9710	0.9721	0.9731	0.9740
0.150	0.9603	0.9621	0.9635	0.9648	0.9659
0.175	0.9504	0.9526	0.9543	0.9558	0.9572
0.200	0.9399	0.9424	0.9445	0.9463	0.9479
0.225	0.9288	0.9318	0.9342	0.9362	0.9381
0.250	0.9173	0.9206	0.9233	0.9257	0.9278
0.275	0.9053	0.9091	0.9121	0.9147	0.9171
0.300	0.8930	0.8971	0.9004	0.9032	0.9059
0.325	0.8803	0.8847	0.8883	0.8914	0.8944
0.350	0.8673	0.8721	0.8759	0.8793	0.8824
0.375	0.8540	0.8591	0.8632	0.8668	0.8702
0.400	0.8405	0.8458	0.8502	0.8540	0.8576
0.425	0.8267	0.8323	0.8369	0.8409	0.8447
0.450	0.8127	0.8186	0.8234	0.8276	0.8315
0.475	0.7985	0.8046	0.8096	0.8140	0.8181
0.500	0.7842	0.7905	0.7956	0.8002	0.8044
0.525	0.7697	0.7762	0.7815	0.7861	0.7905
0.550	0.7550	0.7617	0.7671	0.7719	0.7764
0.575	0.7403	0.7471	0.7526	0.7575	0.7621
0.600	0.7254	0.7323	0.7379	0.7429	0.7475
0.625	0.7105	0.7174	0.7231	0.7281	0.7329
0.650	0.6955	0.7025	0.7082	0.7133	0.7180
0.675	0.6804	0.6874	0.6932	0.6982	0.7030
0.700	0.6653	0.6723	0.6780	0.6831	0.6879
0.725	0.6502	0.6571	0.6628	0.6679	0.6726
0.750	0.6350	0.6419	0.6475	0.6525	0.6573
0.775	0.6198	0.6266	0.6322	0.6371	0.6418
0.800	0.6046	0.6113	0.6168	0.6216	0.6262
0.825	0.5894	0.5960	0.6013	0.6061	0.6106
0.850	0.5742	0.5806	0.5859	0.5905	0.5949
0.875	0.5591	0.5653	0.5704	0.5748	0.5791
0.900	0.5440	0.5500	0.5549	0.5592	0.5633
0.925	0.5289	0.5347	0.5393	0.5435	0.5474
0.950	0.5139	0.5194	0.5239	0.5278	0.5315
0.975	0.4990	0.5042	0.5084	0.5121	0.5156
1.000	0.4841	0.4890	0.4929	0.4964	0.4997

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9977	0.9978	0.9979	0.9980	0.9982
0.050	0.9936	0.9938	0.9941	0.9944	0.9949
0.075	0.9882	0.9887	0.9892	0.9898	0.9906
0.100	0.9820	0.9826	0.9834	0.9843	0.9855
0.125	0.9749	0.9758	0.9768	0.9780	0.9796
0.150	0.9670	0.9682	0.9695	0.9711	0.9732
0.175	0.9586	0.9600	0.9617	0.9636	0.9661
0.200	0.9496	0.9513	0.9532	0.9555	0.9585
0.225	0.9400	0.9420	0.9442	0.9469	0.9504
0.250	0.9300	0.9322	0.9348	0.9378	0.9419
0.275	0.9195	0.9220	0.9248	0.9283	0.9328
0.300	0.9086	0.9114	0.9145	0.9183	0.9233
0.325	0.8972	0.9003	0.9037	0.9079	0.9134
0.350	0.8855	0.8888	0.8925	0.8970	0.9030
0.375	0.8735	0.8770	0.8810	0.8858	0.8923
0.400	0.8611	0.8649	0.8691	0.8743	0.8811
0.425	0.8484	0.8524	0.8569	0.8623	0.8696
0.450	0.8354	0.8396	0.8443	0.8501	0.8577
0.475	0.8222	0.8265	0.8314	0.8375	0.8455
0.500	0.8086	0.8132	0.8183	0.8245	0.8329
0.525	0.7949	0.7995	0.8048	0.8113	0.8200
0.550	0.7809	0.7857	0.7911	0.7978	0.8068
0.575	0.7667	0.7715	0.7771	0.7840	0.7932
0.600	0.7522	0.7572	0.7629	0.7699	0.7793
0.625	0.7376	0.7427	0.7484	0.7555	0.7651
0.650	0.7228	0.7279	0.7337	0.7409	0.7507
0.675	0.7078	0.7130	0.7188	0.7261	0.7359
0.700	0.6927	0.6978	0.7037	0.7110	0.7208
0.725	0.6774	0.6826	0.6884	0.6957	0.7055
0.750	0.6620	0.6671	0.6729	0.6801	0.6900
0.775	0.6465	0.6515	0.6573	0.6644	0.6741
0.800	0.6308	0.6358	0.6415	0.6485	0.6580
0.825	0.6151	0.6199	0.6255	0.6324	0.6417
0.850	0.5993	0.6040	0.6094	0.6161	0.6252
0.875	0.5834	0.5879	0.5931	0.5996	0.6084
0.900	0.5674	0.5718	0.5768	0.5830	0.5915
0.925	0.5513	0.5555	0.5603	0.5662	0.5743
0.950	0.5352	0.5392	0.5437	0.5493	0.5569
0.975	0.5191	0.5228	0.5271	0.5323	0.5394
1.000	0.5029	0.5064	0.5103	0.5152	0.5217

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9984	0.9988	0.9996	1.0000
0.050	0.9955	0.9966	0.9987	1.0000
0.075	0.9917	0.9936	0.9976	1.0000
0.100	0.9872	0.9901	0.9962	0.9999
0.125	0.9820	0.9860	0.9946	0.9999
0.150	0.9762	0.9814	0.9927	0.9999
0.175	0.9699	0.9763	0.9905	0.9998
0.200	0.9630	0.9707	0.9881	0.9998
0.225	0.9556	0.9647	0.9854	0.9997
0.250	0.9478	0.9583	0.9824	0.9997
0.275	0.9395	0.9514	0.9791	0.9996
0.300	0.9308	0.9440	0.9756	0.9995
0.325	0.9216	0.9362	0.9716	0.9994
0.350	0.9120	0.9280	0.9674	0.9992
0.375	0.9019	0.9194	0.9627	0.9991
0.400	0.8915	0.9103	0.9577	0.9989
0.425	0.8806	0.9007	0.9523	0.9987
0.450	0.8694	0.8908	0.9464	0.9985
0.475	0.8578	0.8803	0.9400	0.9982
0.500	0.8457	0.8694	0.9332	0.9979
0.525	0.8333	0.8581	0.9258	0.9975
0.550	0.8205	0.8463	0.9178	0.9971
0.575	0.8074	0.8340	0.9092	0.9966
0.600	0.7938	0.8213	0.8999	0.9959
0.625	0.7800	0.8081	0.8899	0.9951
0.650	0.7657	0.7944	0.8792	0.9942
0.675	0.7511	0.7802	0.8676	0.9930
0.700	0.7362	0.7656	0.8551	0.9915
0.725	0.7209	0.7504	0.8417	0.9897
0.750	0.7052	0.7348	0.8273	0.9873
0.775	0.6893	0.7186	0.8117	0.9843
0.800	0.6730	0.7020	0.7949	0.9803
0.825	0.6564	0.6848	0.7769	0.9749
0.850	0.6394	0.6672	0.7574	0.9674
0.875	0.6222	0.6490	0.7364	0.9569
0.900	0.6047	0.6303	0.7138	0.9415
0.925	0.5868	0.6111	0.6895	0.9179
0.950	0.5687	0.5914	0.6633	0.8800
0.975	0.5504	0.5712	0.6351	0.8146
1.000	0.5317	0.5505	0.6047	0.6919

91

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-84.50	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8687	0.9859	0.9934	0.9949	0.9955
0.050	0.7158	0.9622	0.9817	0.9857	0.9875
0.075	0.5872	0.9341	0.9672	0.9741	0.9773
0.100	0.4945	0.9035	0.9507	0.9608	0.9654
0.125	0.4031	0.8716	0.9327	0.9461	0.9523
0.150	0.3384	0.8392	0.9135	0.9303	0.9380
0.175	0.2346	0.8067	0.8935	0.9136	0.9229
0.200	0.1349	0.7745	0.8728	0.8961	0.9070
0.225	0.0845	0.7429	0.8517	0.8780	0.8904
0.250	0.0563	0.7120	0.8301	0.8593	0.8732
0.275	0.0393	0.6818	0.8084	0.8403	0.8555
0.300	0.0283	0.6526	0.7865	0.8209	0.8374
0.325	0.0210	0.6244	0.7645	0.8012	0.8190
0.350	0.0160	0.5971	0.7425	0.7813	0.8002
0.375	0.0123	0.5708	0.7206	0.7613	0.8002
0.400	0.0096	0.5454	0.6987	0.7411	0.7812
0.425	0.0076	0.5211	0.6771	0.7209	0.7620
0.450	0.0061	0.4977	0.6556	0.7006	0.7426
0.475	0.0049	0.4753	0.6343	0.6803	0.7230
0.500	0.0040	0.4538	0.6133	0.6601	0.7034
0.525	0.0032	0.4332	0.5926	0.6400	0.6837
0.550	0.0026	0.4134	0.5721	0.6199	0.6640
0.575	0.0022	0.3939	0.5520	0.6000	0.6442
0.600	0.0019	0.3260	0.5322	0.5802	0.6245
0.625	0.0015	0.2689	0.5127	0.5605	0.6048
0.650	0.0012	0.2211	0.4935	0.5410	0.5852
0.675	0.0010	0.1809	0.4748	0.5218	0.5656
0.700	0.0008	0.1472	0.4563	0.5027	0.5462
0.725	0.0006	0.1189	0.4075	0.4838	0.5268
0.750	0.0005	0.0951	0.3417	0.4582	0.5076
0.775	0.0004	0.0752	0.2820	0.3867	0.4886
0.800	0.0003	0.0585	0.2283	0.3198	0.4462
0.825	0.0002	0.0445	0.1805	0.2580	0.3737
0.850	0.0002	0.0330	0.1383	0.2015	0.3051
0.875	0.0001	0.0234	0.1015	0.1508	0.2412
0.900	0.0001	0.0157	0.0702	0.1061	0.1826
0.925	0.0001	0.0096	0.0440	0.0677	0.1298
0.950	0.0000	0.0049	0.0231	0.0362	0.0837
0.975	0.0000	0.0016	0.0079	0.0125	0.0452
1.000	-0.	0.0000	0.0000	0.0000	0.0159
					0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9959	0.9962	0.9964	0.9965	0.9967
0.050	0.9885	0.9892	0.9898	0.9903	0.9907
0.075	0.9791	0.9804	0.9814	0.9822	0.9830
0.100	0.9682	0.9701	0.9716	0.9728	0.9740
0.125	0.9560	0.9585	0.9605	0.9623	0.9638
0.150	0.9427	0.9460	0.9485	0.9507	0.9527
0.175	0.9285	0.9325	0.9356	0.9382	0.9406
0.200	0.9136	0.9182	0.9219	0.9250	0.9278
0.225	0.8979	0.9032	0.9075	0.9110	0.9143
0.250	0.8816	0.8877	0.8924	0.8965	0.9002
0.275	0.8649	0.8715	0.8768	0.8813	0.8854
0.300	0.8476	0.8549	0.8607	0.8656	0.8702
0.325	0.8300	0.8378	0.8441	0.8494	0.8544
0.350	0.8119	0.8204	0.8271	0.8328	0.8381
0.375	0.7936	0.8026	0.8097	0.8158	0.8215
0.400	0.7750	0.7844	0.7919	0.7984	0.8044
0.425	0.7562	0.7660	0.7739	0.7807	0.7870
0.450	0.7372	0.7474	0.7556	0.7627	0.7692
0.475	0.7180	0.7285	0.7370	0.7444	0.7512
0.500	0.6985	0.7095	0.7182	0.7258	0.7329
0.525	0.6792	0.6903	0.6993	0.7071	0.7143
0.550	0.6597	0.6710	0.6801	0.6881	0.6955
0.575	0.6402	0.6516	0.6609	0.6689	0.6765
0.600	0.6206	0.6321	0.6415	0.6497	0.6573
0.625	0.6010	0.6126	0.6220	0.6302	0.6379
0.650	0.5814	0.5930	0.6025	0.6107	0.6184
0.675	0.5619	0.5735	0.5829	0.5911	0.5988
0.700	0.5424	0.5539	0.5632	0.5714	0.5791
0.725	0.5230	0.5344	0.5436	0.5517	0.5593
0.750	0.5037	0.5149	0.5240	0.5320	0.5394
0.775	0.4845	0.4955	0.5044	0.5122	0.5196
0.800	0.4102	0.4379	0.4606	0.4807	0.4997
0.825	0.3378	0.3629	0.3838	0.4025	0.4202
0.850	0.2693	0.2911	0.3095	0.3261	0.3421
0.875	0.2055	0.2235	0.2389	0.2530	0.2666
0.900	0.1473	0.1612	0.1733	0.1843	0.1951
0.925	0.0957	0.1054	0.1139	0.1218	0.1295
0.950	0.0521	0.0577	0.0627	0.0673	0.0719
0.975	0.0184	0.0205	0.0224	0.0242	0.0259
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9969	0.9970	0.9972	0.9974	0.9976
0.050	0.9911	0.9915	0.9920	0.9926	0.9932
0.075	0.9838	0.9845	0.9853	0.9863	0.9875
0.100	0.9751	0.9762	0.9775	0.9789	0.9808
0.125	0.9653	0.9669	0.9686	0.9705	0.9731
0.150	0.9546	0.9565	0.9587	0.9613	0.9645
0.175	0.9430	0.9454	0.9481	0.9512	0.9552
0.200	0.9306	0.9335	0.9366	0.9404	0.9451
0.225	0.9175	0.9208	0.9245	0.9288	0.9344
0.250	0.9038	0.9076	0.9117	0.9167	0.9230
0.275	0.8895	0.8937	0.8983	0.9039	0.9110
0.300	0.8746	0.8792	0.8844	0.8905	0.8984
0.325	0.8592	0.8643	0.8698	0.8765	0.8852
0.350	0.8433	0.8489	0.8548	0.8621	0.8715
0.375	0.8270	0.8328	0.8393	0.8471	0.8572
0.400	0.8103	0.8165	0.8234	0.8316	0.8424
0.425	0.7932	0.7997	0.8070	0.8157	0.8272
0.450	0.7757	0.7825	0.7902	0.7993	0.8114
0.475	0.7579	0.7650	0.7730	0.7825	0.7952
0.500	0.7398	0.7472	0.7554	0.7653	0.7785
0.525	0.7214	0.7290	0.7375	0.7478	0.7614
0.550	0.7028	0.7105	0.7192	0.7298	0.7438
0.575	0.6839	0.6918	0.7007	0.7115	0.7259
0.600	0.6648	0.6728	0.6819	0.6929	0.7075
0.625	0.6455	0.6536	0.6628	0.6739	0.6888
0.650	0.6261	0.6342	0.6434	0.6547	0.6697
0.675	0.6065	0.6146	0.6239	0.6351	0.6503
0.700	0.5867	0.5949	0.6041	0.6153	0.6305
0.725	0.5669	0.5749	0.5841	0.5953	0.6104
0.750	0.5469	0.5549	0.5639	0.5750	0.5900
0.775	0.5269	0.5347	0.5436	0.5546	0.5693
0.800	0.5068	0.5145	0.5232	0.5339	0.5483
0.825	0.4382	0.4574	0.4795	0.5066	0.5271
0.850	0.3584	0.3760	0.3964	0.4219	0.4569
0.875	0.2806	0.2959	0.3138	0.3365	0.3682
0.900	0.2064	0.2188	0.2334	0.2522	0.2790
0.925	0.1376	0.1466	0.1574	0.1715	0.1918
0.950	0.0768	0.0823	0.0889	0.0976	0.1104
0.975	0.0278	0.0300	0.0326	0.0361	0.0413
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

94

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA *** AX/AB	60.00 Q	70.00 Q	80.00 Q	84.50 Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9980	0.9985	0.9995	1.0000
0.050	0.9942	0.9957	0.9986	1.0000
0.075	0.9893	0.9920	0.9973	1.0000
0.100	0.9834	0.9876	0.9957	1.0000
0.125	0.9767	0.9825	0.9938	0.9999
0.150	0.9691	0.9767	0.9916	0.9999
0.175	0.9609	0.9703	0.9891	0.9999
0.200	0.9520	0.9633	0.9863	0.9998
0.225	0.9424	0.9557	0.9831	0.9998
0.250	0.9322	0.9475	0.9797	0.9997
0.275	0.9213	0.9387	0.9758	0.9996
0.300	0.9099	0.9294	0.9716	0.9996
0.325	0.8978	0.9194	0.9669	0.9995
0.350	0.8852	0.9089	0.9619	0.9994
0.375	0.8721	0.8978	0.9563	0.9992
0.400	0.8584	0.8861	0.9503	0.9991
0.425	0.8441	0.8738	0.9437	0.9989
0.450	0.8293	0.8609	0.9365	0.9987
0.475	0.8140	0.8473	0.9288	0.9984
0.500	0.7981	0.8332	0.9203	0.9982
0.525	0.7818	0.8184	0.9112	0.9978
0.550	0.7649	0.8030	0.9013	0.9974
0.575	0.7475	0.7870	0.8905	0.9970
0.600	0.7297	0.7703	0.8789	0.9964
0.625	0.7114	0.7530	0.8663	0.9957
0.650	0.6926	0.7350	0.8526	0.9949
0.675	0.6733	0.7163	0.8378	0.9938
0.700	0.6536	0.6970	0.8217	0.9925
0.725	0.6335	0.6770	0.8043	0.9909
0.750	0.6129	0.6563	0.7854	0.9889
0.775	0.5920	0.6350	0.7650	0.9863
0.800	0.5706	0.6130	0.7428	0.9829
0.825	0.5488	0.5902	0.7188	0.9783
0.850	0.5115	0.5669	0.6927	0.9722
0.875	0.4190	0.5194	0.6645	0.9635
0.900	0.3229	0.4145	0.6339	0.9510
0.925	0.2261	0.3014	0.5886	0.9324
0.950	0.1327	0.1844	0.4223	0.9030
0.975	0.0507	0.0736	0.2051	0.8541
1.000	0.0000	0.0000	0.0000	0.7660
				0.0000

95

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-84.50	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.7395	0.9766	0.9904	0.9928	0.9939
0.050	0.5156	0.9385	0.9736	0.9801	0.9829
0.075	0.3685	0.8948	0.9529	0.9642	0.9690
0.100	0.2407	0.8489	0.9297	0.9459	0.9531
0.125	0.1437	0.8026	0.9047	0.9259	0.9354
0.150	0.0925	0.7570	0.8783	0.9046	0.9164
0.175	0.0630	0.7127	0.8511	0.8822	0.8963
0.200	0.0447	0.6700	0.8233	0.8589	0.8752
0.225	0.0327	0.6292	0.7951	0.8349	0.8534
0.250	0.0246	0.5903	0.7668	0.8104	0.8309
0.275	0.0189	0.5535	0.7384	0.7856	0.8079
0.300	0.0147	0.5186	0.7102	0.7605	0.7845
0.325	0.0117	0.4858	0.6821	0.7352	0.7608
0.350	0.0093	0.4548	0.6544	0.7098	0.7368
0.375	0.0075	0.4256	0.6271	0.6844	0.7126
0.400	0.0061	0.3981	0.6001	0.6591	0.6883
0.425	0.0050	0.3511	0.5737	0.6339	0.6639
0.450	0.0041	0.3065	0.5477	0.6088	0.6395
0.475	0.0034	0.2671	0.5223	0.5839	0.6151
0.500	0.0028	0.2324	0.4975	0.5593	0.5909
0.525	0.0024	0.2018	0.4732	0.5349	0.5667
0.550	0.0020	0.1747	0.4496	0.5109	0.5426
0.575	0.0016	0.1508	0.4049	0.4872	0.5188
0.600	0.0014	0.1297	0.3619	0.4600	0.4952
0.625	0.0011	0.1111	0.3215	0.4147	0.4660
0.650	0.0009	0.0946	0.2836	0.3710	0.4203
0.675	0.0008	0.0801	0.2482	0.3292	0.3758
0.700	0.0006	0.0673	0.2152	0.2894	0.3329
0.725	0.0005	0.0561	0.1847	0.2516	0.2916
0.750	0.0004	0.0462	0.1565	0.2160	0.2522
0.775	0.0003	0.0375	0.1306	0.1826	0.2147
0.800	0.0003	0.0299	0.1070	0.1514	0.1793
0.825	0.0002	0.0233	0.0856	0.1226	0.1463
0.850	0.0001	0.0177	0.0664	0.0962	0.1156
0.875	0.0001	0.0128	0.0494	0.0724	0.0875
0.900	0.0001	0.0088	0.0346	0.0512	0.0623
0.925	0.0000	0.0055	0.0220	0.0329	0.0403
0.950	0.0000	0.0028	0.0117	0.0177	0.0218
0.975	0.0000	0.0010	0.0040	0.0062	0.0077
1.000	-0.	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9945	0.9949	0.9952	0.9954	0.9957
0.050	0.9845	0.9856	0.9865	0.9872	0.9878
0.075	0.9719	0.9738	0.9753	0.9766	0.9777
0.100	0.9572	0.9601	0.9624	0.9642	0.9659
0.125	0.9410	0.9449	0.9479	0.9504	0.9527
0.150	0.9234	0.9283	0.9321	0.9353	0.9381
0.175	0.9047	0.9106	0.9151	0.9190	0.9225
0.200	0.8850	0.8919	0.8972	0.9018	0.9059
0.225	0.8645	0.8724	0.8785	0.8837	0.8884
0.250	0.8433	0.8521	0.8590	0.8648	0.8702
0.275	0.8215	0.8312	0.8388	0.8452	0.8512
0.300	0.7993	0.8097	0.8180	0.8250	0.8315
0.325	0.7765	0.7878	0.7967	0.8043	0.8113
0.350	0.7535	0.7654	0.7749	0.7830	0.7905
0.375	0.7301	0.7427	0.7527	0.7613	0.7692
0.400	0.7065	0.7197	0.7302	0.7392	0.7475
0.425	0.6828	0.6964	0.7073	0.7168	0.7255
0.450	0.6589	0.6730	0.6842	0.6940	0.7030
0.475	0.6350	0.6494	0.6609	0.6710	0.6803
0.500	0.6110	0.6257	0.6375	0.6477	0.6573
0.525	0.5870	0.6019	0.6139	0.6243	0.6340
0.550	0.5631	0.5781	0.5902	0.6007	0.6106
0.575	0.5392	0.5543	0.5664	0.5770	0.5870
0.600	0.5155	0.5305	0.5426	0.5533	0.5633
0.625	0.4919	0.5068	0.5189	0.5295	0.5394
0.650	0.4530	0.4775	0.4952	0.5057	0.5156
0.675	0.4072	0.4309	0.4503	0.4675	0.4837
0.700	0.3625	0.3851	0.4037	0.4203	0.4361
0.725	0.3192	0.3403	0.3580	0.3737	0.3888
0.750	0.2774	0.2969	0.3133	0.3280	0.3421
0.775	0.2374	0.2550	0.2699	0.2834	0.2964
0.800	0.1992	0.2149	0.2282	0.2402	0.2519
0.825	0.1633	0.1767	0.1883	0.1988	0.2090
0.850	0.1297	0.1409	0.1505	0.1594	0.1681
0.875	0.0987	0.1076	0.1153	0.1225	0.1295
0.900	0.0706	0.0773	0.0831	0.0885	0.0938
0.925	0.0458	0.0504	0.0543	0.0580	0.0617
0.950	0.0249	0.0275	0.0298	0.0319	0.0340
0.975	0.0088	0.0097	0.0106	0.0114	0.0121
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

97

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9959	0.9961	0.9964	0.9966	0.9970
0.050	0.9884	0.9890	0.9897	0.9905	0.9915
0.075	0.9788	0.9799	0.9811	0.9825	0.9842
0.100	0.9675	0.9692	0.9710	0.9731	0.9757
0.125	0.9548	0.9571	0.9595	0.9624	0.9659
0.150	0.9409	0.9438	0.9469	0.9505	0.9551
0.175	0.9259	0.9294	0.9332	0.9376	0.9433
0.200	0.9099	0.9140	0.9185	0.9238	0.9305
0.225	0.8930	0.8978	0.9030	0.9091	0.9169
0.250	0.8753	0.8807	0.8866	0.8935	0.9024
0.275	0.8569	0.8629	0.8694	0.8772	0.8872
0.300	0.8378	0.8444	0.8516	0.8601	0.8712
0.325	0.8181	0.8252	0.8330	0.8424	0.8544
0.350	0.7978	0.8054	0.8139	0.8239	0.8370
0.375	0.7770	0.7851	0.7941	0.8049	0.8189
0.400	0.7557	0.7643	0.7738	0.7852	0.8001
0.425	0.7340	0.7430	0.7530	0.7650	0.7807
0.450	0.7119	0.7213	0.7317	0.7443	0.7608
0.475	0.6895	0.6991	0.7100	0.7230	0.7402
0.500	0.6667	0.6766	0.6878	0.7013	0.7191
0.525	0.6437	0.6538	0.6652	0.6791	0.6974
0.550	0.6204	0.6307	0.6423	0.6565	0.6753
0.575	0.5969	0.6073	0.6191	0.6335	0.6526
0.600	0.5732	0.5837	0.5956	0.6101	0.6295
0.625	0.5494	0.5599	0.5718	0.5864	0.6060
0.650	0.5254	0.5359	0.5478	0.5624	0.5820
0.675	0.5000	0.5118	0.5237	0.5382	0.5577
0.700	0.4519	0.4689	0.4883	0.5121	0.5330
0.725	0.4040	0.4203	0.4392	0.4625	0.4942
0.750	0.3565	0.3720	0.3899	0.4124	0.4432
0.775	0.3097	0.3241	0.3409	0.3620	0.3913
0.800	0.2639	0.2771	0.2924	0.3119	0.3391
0.825	0.2196	0.2312	0.2449	0.2623	0.2870
0.850	0.1771	0.1870	0.1988	0.2139	0.2354
0.875	0.1368	0.1449	0.1546	0.1671	0.1851
0.900	0.0994	0.1056	0.1131	0.1228	0.1369
0.925	0.0655	0.0698	0.0750	0.0819	0.0919
0.950	0.0362	0.0387	0.0417	0.0457	0.0517
0.975	0.0130	0.0139	0.0151	0.0166	0.0189
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9975	0.9982	0.9994	1.0000
0.050	0.9928	0.9948	0.9984	1.0000
0.075	0.9866	0.9904	0.9969	1.0000
0.100	0.9793	0.9850	0.9951	0.9999
0.125	0.9709	0.9787	0.9930	0.9999
0.150	0.9615	0.9716	0.9905	0.9999
0.175	0.9511	0.9638	0.9876	0.9998
0.200	0.9399	0.9552	0.9844	0.9998
0.225	0.9279	0.9458	0.9807	0.9997
0.250	0.9150	0.9357	0.9767	0.9996
0.275	0.9014	0.9249	0.9722	0.9995
0.300	0.8869	0.9132	0.9673	0.9995
0.325	0.8718	0.9009	0.9618	0.9993
0.350	0.8558	0.8877	0.9558	0.9992
0.375	0.8392	0.8739	0.9492	0.9990
0.400	0.8218	0.8592	0.9420	0.9989
0.425	0.8038	0.8437	0.9341	0.9986
0.450	0.7850	0.8275	0.9255	0.9984
0.475	0.7656	0.8104	0.9160	0.9981
0.500	0.7456	0.7925	0.9058	0.9977
0.525	0.7248	0.7739	0.8946	0.9973
0.550	0.7035	0.7543	0.8823	0.9968
0.575	0.6815	0.7339	0.8690	0.9962
0.600	0.6589	0.7127	0.8544	0.9955
0.625	0.6357	0.6906	0.8386	0.9946
0.650	0.6120	0.6677	0.8213	0.9934
0.675	0.5877	0.6438	0.8024	0.9921
0.700	0.5628	0.6191	0.7819	0.9903
0.725	0.5375	0.5936	0.7594	0.9881
0.750	0.4914	0.5672	0.7349	0.9852
0.775	0.4379	0.5291	0.7082	0.9813
0.800	0.3830	0.4715	0.6791	0.9762
0.825	0.3273	0.4107	0.6473	0.9690
0.850	0.2712	0.3473	0.6127	0.9589
0.875	0.2155	0.2819	0.5431	0.9441
0.900	0.1610	0.2155	0.4516	0.9212
0.925	0.1093	0.1497	0.3448	0.8843
0.950	0.0622	0.0873	0.2235	0.8202
0.975	0.0230	0.0331	0.0956	0.6989
1.000	0.0000	0.0000	0.0000	0.0000

11

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-84.50	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.6265	0.9661	0.9870	0.9906	0.9920
0.050	0.3793	0.9128	0.9647	0.9740	0.9779
0.075	0.2271	0.8538	0.9375	0.9533	0.9601
0.100	0.1388	0.7937	0.9073	0.9299	0.9397
0.125	0.0909	0.7350	0.8750	0.9044	0.9173
0.150	0.0626	0.6789	0.8415	0.8773	0.8933
0.175	0.0449	0.6256	0.8072	0.8490	0.8680
0.200	0.0332	0.5758	0.7725	0.8199	0.8417
0.225	0.0251	0.5294	0.7378	0.7901	0.8145
0.250	0.0194	0.4863	0.7033	0.7600	0.7867
0.275	0.0152	0.4463	0.6691	0.7296	0.7585
0.300	0.0121	0.4094	0.6354	0.6990	0.7298
0.325	0.0097	0.3691	0.6023	0.6685	0.7010
0.350	0.0079	0.3283	0.5699	0.6382	0.6720
0.375	0.0065	0.2917	0.5383	0.6080	0.6429
0.400	0.0053	0.2589	0.5075	0.5781	0.6139
0.425	0.0044	0.2294	0.4776	0.5486	0.5850
0.450	0.0037	0.2030	0.4485	0.5196	0.5563
0.475	0.0031	0.1793	0.4113	0.4910	0.5278
0.500	0.0025	0.1579	0.3757	0.4613	0.4996
0.525	0.0021	0.1398	0.3418	0.4248	0.4698
0.550	0.0018	0.1216	0.3096	0.3893	0.4333
0.575	0.0015	0.1062	0.2791	0.3551	0.3976
0.600	0.0012	0.0923	0.2503	0.3220	0.3628
0.625	0.0010	0.0799	0.2231	0.2902	0.3290
0.650	0.0009	0.0688	0.1975	0.2597	0.2962
0.675	0.0007	0.0588	0.1735	0.2306	0.2646
0.700	0.0006	0.0498	0.1510	0.2029	0.2341
0.725	0.0005	0.0419	0.1301	0.1766	0.2050
0.750	0.0004	0.0348	0.1107	0.1518	0.1772
0.775	0.0003	0.0284	0.0928	0.1285	0.1509
0.800	0.0002	0.0229	0.0763	0.1068	0.1260
0.825	0.0002	0.0180	0.0613	0.0866	0.1028
0.850	0.0001	0.0137	0.0478	0.0681	0.0813
0.875	0.0001	0.0100	0.0357	0.0513	0.0616
0.900	0.0001	0.0069	0.0251	0.0364	0.0439
0.925	0.0000	0.0043	0.0160	0.0234	0.0284
0.950	0.0000	0.0023	0.0036	0.0126	0.0154
0.975	0.0000	0.0009	0.0030	0.0044	0.0054
1.000	-0.	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9929	0.9934	0.9939	0.9942	0.9945
0.050	0.9801	0.9817	0.9828	0.9838	0.9847
0.075	0.9641	0.9667	0.9688	0.9705	0.9720
0.100	0.9455	0.9494	0.9524	0.9550	0.9572
0.125	0.9249	0.9302	0.9342	0.9376	0.9406
0.150	0.9028	0.9093	0.9144	0.9187	0.9225
0.175	0.8793	0.8871	0.8933	0.8984	0.9031
0.200	0.8547	0.8638	0.8710	0.8770	0.8824
0.225	0.8292	0.8396	0.8477	0.8545	0.8607
0.250	0.8030	0.8145	0.8235	0.8311	0.8381
0.275	0.7762	0.7887	0.7986	0.8070	0.8147
0.300	0.7488	0.7623	0.7730	0.7821	0.7905
0.325	0.7211	0.7355	0.7469	0.7567	0.7657
0.350	0.6931	0.7083	0.7203	0.7307	0.7402
0.375	0.6649	0.6807	0.6933	0.7042	0.7143
0.400	0.6366	0.6529	0.6661	0.6774	0.6879
0.425	0.6082	0.6250	0.6385	0.6503	0.6611
0.450	0.5798	0.5970	0.6108	0.6228	0.6340
0.475	0.5515	0.5689	0.5830	0.5952	0.6067
0.500	0.5234	0.5409	0.5551	0.5675	0.5791
0.525	0.4954	0.5130	0.5272	0.5397	0.5514
0.550	0.4623	0.4839	0.4994	0.5118	0.5235
0.575	0.4259	0.4472	0.4646	0.4799	0.4943
0.600	0.3902	0.4109	0.4279	0.4430	0.4572
0.625	0.3552	0.3752	0.3917	0.4063	0.4202
0.650	0.3211	0.3401	0.3560	0.3701	0.3835
0.675	0.2879	0.3059	0.3209	0.3344	0.3472
0.700	0.2558	0.2726	0.2867	0.2994	0.3115
0.725	0.2249	0.2403	0.2533	0.2651	0.2764
0.750	0.1951	0.2092	0.2210	0.2318	0.2422
0.775	0.1668	0.1793	0.1899	0.1996	0.2090
0.800	0.1399	0.1508	0.1601	0.1687	0.1770
0.825	0.1145	0.1238	0.1318	0.1392	0.1463
0.850	0.0909	0.0985	0.1052	0.1113	0.1173
0.875	0.0691	0.0752	0.0804	0.0853	0.0901
0.900	0.0495	0.0539	0.0579	0.0615	0.0650
0.925	0.0321	0.0351	0.0378	0.0402	0.0426
0.950	0.0175	0.0192	0.0206	0.0220	0.0234
0.975	0.0062	0.0068	0.0073	0.0078	0.0084
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9948	0.9951	0.9955	0.9958	0.9963
0.050	0.9855	0.9863	0.9872	0.9883	0.9895
0.075	0.9735	0.9750	0.9766	0.9784	0.9807
0.100	0.9594	0.9616	0.9640	0.9667	0.9702
0.125	0.9436	0.9465	0.9498	0.9535	0.9582
0.150	0.9262	0.9300	0.9341	0.9389	0.9449
0.175	0.9075	0.9121	0.9172	0.9230	0.9304
0.200	0.8877	0.8931	0.8990	0.9059	0.9147
0.225	0.8668	0.8730	0.8798	0.8878	0.8979
0.250	0.8449	0.8513	0.8596	0.8686	0.8802
0.275	0.8222	0.8299	0.8384	0.8485	0.8614
0.300	0.7987	0.8071	0.8164	0.8275	0.8417
0.325	0.7744	0.7836	0.7937	0.8057	0.8212
0.350	0.7496	0.7593	0.7701	0.7830	0.7997
0.375	0.7242	0.7345	0.7459	0.7596	0.7775
0.400	0.6982	0.7090	0.7211	0.7356	0.7545
0.425	0.6718	0.6831	0.6957	0.7108	0.7307
0.450	0.6451	0.6567	0.6697	0.6855	0.7062
0.475	0.6180	0.6299	0.6433	0.6596	0.6810
0.500	0.5906	0.6028	0.6165	0.6331	0.6552
0.525	0.5630	0.5753	0.5892	0.6062	0.6288
0.550	0.5352	0.5476	0.5617	0.5789	0.6018
0.575	0.5073	0.5197	0.5338	0.5511	0.5743
0.600	0.4715	0.4868	0.5042	0.5230	0.5463
0.625	0.4343	0.4493	0.4665	0.4878	0.5166
0.650	0.3972	0.4118	0.4286	0.4495	0.4780
0.675	0.3603	0.3744	0.3907	0.4110	0.4389
0.700	0.3239	0.3373	0.3529	0.3724	0.3994
0.725	0.2880	0.3007	0.3153	0.3338	0.3596
0.750	0.2529	0.2646	0.2782	0.2955	0.3197
0.775	0.2187	0.2293	0.2418	0.2576	0.2800
0.800	0.1856	0.1950	0.2062	0.2204	0.2407
0.825	0.1537	0.1620	0.1717	0.1842	0.2020
0.850	0.1235	0.1304	0.1386	0.1492	0.1644
0.875	0.0950	0.1006	0.1072	0.1158	0.1283
0.900	0.0688	0.0730	0.0780	0.0846	0.0941
0.925	0.0452	0.0481	0.0515	0.0560	0.0627
0.950	0.0249	0.0265	0.0285	0.0311	0.0350
0.975	0.0089	0.0095	0.0102	0.0112	0.0127
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9969	0.9979	0.9994	1.0000
0.050	0.9913	0.9939	0.9982	1.0000
0.075	0.9838	0.9886	0.9966	1.0000
0.100	0.9749	0.9821	0.9945	1.0000
0.125	0.9647	0.9747	0.9921	0.9999
0.150	0.9532	0.9662	0.9893	0.9999
0.175	0.9406	0.9568	0.9860	0.9998
0.200	0.9269	0.9464	0.9823	0.9998
0.225	0.9122	0.9351	0.9782	0.9997
0.250	0.8964	0.9229	0.9735	0.9996
0.275	0.8797	0.9097	0.9683	0.9995
0.300	0.8620	0.8956	0.9625	0.9994
0.325	0.8434	0.8805	0.9562	0.9993
0.350	0.8239	0.8645	0.9491	0.9992
0.375	0.8034	0.8475	0.9414	0.9990
0.400	0.7821	0.8295	0.9328	0.9988
0.425	0.7599	0.8105	0.9234	0.9986
0.450	0.7368	0.7905	0.9131	0.9983
0.475	0.7130	0.7694	0.9017	0.9980
0.500	0.6883	0.7474	0.8892	0.9976
0.525	0.6628	0.7242	0.8756	0.9972
0.550	0.6366	0.7000	0.8606	0.9967
0.575	0.6096	0.6747	0.8441	0.9960
0.600	0.5819	0.6483	0.8260	0.9952
0.625	0.5536	0.6203	0.8062	0.9943
0.650	0.5222	0.5923	0.7845	0.9930
0.675	0.4326	0.5626	0.7606	0.9915
0.700	0.4421	0.5257	0.7344	0.9896
0.725	0.4007	0.4829	0.7056	0.9871
0.750	0.3588	0.4383	0.6740	0.9839
0.775	0.3165	0.3922	0.6393	0.9796
0.800	0.2741	0.3447	0.6001	0.9737
0.825	0.2318	0.2960	0.5434	0.9655
0.850	0.1901	0.2467	0.4796	0.9536
0.875	0.1495	0.1972	0.4080	0.9357
0.900	0.1106	0.1484	0.3285	0.9075
0.925	0.0743	0.1015	0.2418	0.8604
0.950	0.0418	0.0582	0.1503	0.7750
0.975	0.0153	0.0217	0.0612	0.5675
1.000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-84.50	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.5321	0.9548	0.9834	0.9881	0.9901
0.050	0.2860	0.8860	0.9552	0.9674	0.9725
0.075	0.1700	0.8123	0.9212	0.9418	0.9506
0.100	0.1090	0.7397	0.8838	0.9129	0.9256
0.125	0.0740	0.6707	0.8443	0.8817	0.8982
0.150	0.0524	0.6064	0.8037	0.8488	0.8690
0.175	0.0384	0.5472	0.7627	0.8147	0.8384
0.200	0.0288	0.4930	0.7216	0.7798	0.8068
0.225	0.0221	0.4437	0.6810	0.7444	0.7743
0.250	0.0173	0.3990	0.6409	0.7088	0.7413
0.275	0.0137	0.3584	0.6017	0.6732	0.7079
0.300	0.0110	0.3217	0.5635	0.6377	0.6743
0.325	0.0089	0.2884	0.5264	0.6025	0.6406
0.350	0.0073	0.2583	0.4904	0.5677	0.6069
0.375	0.0060	0.2311	0.4557	0.5334	0.5735
0.400	0.0050	0.2064	0.4223	0.4998	0.5403
0.425	0.0041	0.1841	0.3902	0.4668	0.5074
0.450	0.0034	0.1639	0.3595	0.4347	0.4750
0.475	0.0029	0.1456	0.3300	0.4033	0.4431
0.500	0.0024	0.1291	0.3019	0.3728	0.4118
0.525	0.0020	0.1141	0.2751	0.3432	0.3812
0.550	0.0017	0.1005	0.2496	0.3145	0.3512
0.575	0.0014	0.0882	0.2254	0.2869	0.3220
0.600	0.0012	0.0771	0.2025	0.2602	0.2936
0.625	0.0010	0.0670	0.1808	0.2346	0.2661
0.650	0.0008	0.0579	0.1604	0.2101	0.2395
0.675	0.0007	0.0498	0.1412	0.1867	0.2139
0.700	0.0006	0.0424	0.1232	0.1643	0.1893
0.725	0.0005	0.0357	0.1063	0.1432	0.1657
0.750	0.0004	0.0298	0.0907	0.1232	0.1433
0.775	0.0003	0.0245	0.0762	0.1044	0.1220
0.800	0.0002	0.0198	0.0628	0.0868	0.1019
0.825	0.0002	0.0156	0.0506	0.0705	0.0832
0.850	0.0001	0.0119	0.0395	0.0555	0.0658
0.875	0.0001	0.0088	0.0295	0.0419	0.0499
0.900	0.0001	0.0061	0.0208	0.0297	0.0356
0.925	0.0000	0.0038	0.0133	0.0191	0.0230
0.950	0.0000	0.0020	0.0071	0.0103	0.0125
0.975	0.0000	0.0007	0.0025	0.0036	0.0044
1.000	-0.	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9912	0.9919	0.9925	0.9929	0.9933
0.050	0.9755	0.9774	0.9789	0.9802	0.9813
0.075	0.9557	0.9591	0.9618	0.9640	0.9659
0.100	0.9329	0.9380	0.9418	0.9451	0.9479
0.125	0.9079	0.9145	0.9197	0.9240	0.9278
0.150	0.8810	0.8893	0.8957	0.9011	0.9059
0.175	0.8526	0.8625	0.8701	0.8766	0.8824
0.200	0.8230	0.8344	0.8433	0.8508	0.8576
0.225	0.7925	0.8053	0.8153	0.8238	0.8315
0.250	0.7612	0.7753	0.7864	0.7958	0.8044
0.275	0.7293	0.7446	0.7567	0.7670	0.7764
0.300	0.6970	0.7134	0.7263	0.7374	0.7475
0.325	0.6645	0.6817	0.6954	0.7072	0.7180
0.350	0.6318	0.6497	0.6641	0.6765	0.6879
0.375	0.5990	0.6175	0.6324	0.6453	0.6573
0.400	0.5662	0.5853	0.6006	0.6139	0.6262
0.425	0.5337	0.5530	0.5686	0.5822	0.5949
0.450	0.5013	0.5208	0.5365	0.5504	0.5633
0.475	0.4693	0.4887	0.5046	0.5185	0.5315
0.500	0.4376	0.4569	0.4727	0.4866	0.4997
0.525	0.4065	0.4255	0.4410	0.4548	0.4678
0.550	0.3758	0.3944	0.4097	0.4232	0.4361
0.575	0.3458	0.3638	0.3787	0.3919	0.4045
0.600	0.3164	0.3337	0.3481	0.3609	0.3731
0.625	0.2877	0.3042	0.3180	0.3303	0.3421
0.650	0.2598	0.2755	0.2885	0.3003	0.3115
0.675	0.2328	0.2474	0.2597	0.2708	0.2814
0.700	0.2067	0.2202	0.2317	0.2420	0.2519
0.725	0.1816	0.1940	0.2044	0.2139	0.2231
0.750	0.1575	0.1687	0.1782	0.1868	0.1951
0.775	0.1346	0.1444	0.1529	0.1606	0.1681
0.800	0.1128	0.1214	0.1288	0.1355	0.1421
0.825	0.0923	0.0996	0.1059	0.1116	0.1173
0.850	0.0733	0.0793	0.0844	0.0892	0.0938
0.875	0.0557	0.0604	0.0645	0.0683	0.0719
0.900	0.0399	0.0433	0.0463	0.0491	0.0519
0.925	0.0259	0.0282	0.0302	0.0321	0.0340
0.950	0.0141	0.0154	0.0165	0.0176	0.0186
0.975	0.0050	0.0054	0.0059	0.0063	0.0066
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9937	0.9941	0.9945	0.9950	0.9956
0.050	0.9824	0.9834	0.9846	0.9859	0.9875
0.075	0.9678	0.9697	0.9717	0.9740	0.9769
0.100	0.9507	0.9535	0.9565	0.9600	0.9643
0.125	0.9315	0.9353	0.9394	0.9441	0.9500
0.150	0.9106	0.9153	0.9205	0.9265	0.9340
0.175	0.8881	0.8938	0.9001	0.9074	0.9166
0.200	0.8641	0.8709	0.8783	0.8869	0.8978
0.225	0.9390	0.8467	0.8552	0.8651	0.8777
0.250	0.8128	0.8214	0.8309	0.8421	0.8563
0.275	0.7856	0.7951	0.8056	0.8180	0.8339
0.300	0.7575	0.7678	0.7792	0.7928	0.8103
0.325	0.7287	0.7397	0.7520	0.7667	0.7856
0.350	0.6991	0.7109	0.7240	0.7396	0.7599
0.375	0.6690	0.6814	0.6952	0.7117	0.7333
0.400	0.6384	0.6513	0.6657	0.6830	0.7058
0.425	0.6074	0.6207	0.6356	0.6536	0.6774
0.450	0.5761	0.5897	0.6050	0.6235	0.6481
0.475	0.5445	0.5583	0.5739	0.5929	0.6182
0.500	0.5127	0.5266	0.5424	0.5617	0.5875
0.525	0.4809	0.4948	0.5106	0.5300	0.5562
0.550	0.4490	0.4628	0.4786	0.4980	0.5243
0.575	0.4172	0.4308	0.4464	0.4657	0.4919
0.600	0.3855	0.3988	0.4141	0.4331	0.4591
0.625	0.3540	0.3669	0.3818	0.4004	0.4259
0.650	0.3229	0.3353	0.3497	0.3676	0.3924
0.675	0.2923	0.3040	0.3177	0.3349	0.3588
0.700	0.2621	0.2732	0.2861	0.3024	0.3251
0.725	0.2325	0.2428	0.2549	0.2701	0.2915
0.750	0.2037	0.2132	0.2242	0.2383	0.2582
0.775	0.1758	0.1843	0.1943	0.2071	0.2252
0.800	0.1489	0.1564	0.1652	0.1766	0.1928
0.825	0.1231	0.1295	0.1372	0.1470	0.1612
0.850	0.0987	0.1040	0.1104	0.1187	0.1307
0.875	0.0758	0.0801	0.0852	0.0919	0.1015
0.900	0.0548	0.0580	0.0618	0.0669	0.0742
0.925	0.0359	0.0381	0.0407	0.0442	0.0492
0.950	0.0197	0.0210	0.0225	0.0245	0.0274
0.975	0.0070	0.0075	0.0081	0.0088	0.0099
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9964	0.9975	0.9993	1.0000
0.050	0.9896	0.9928	0.9980	1.0000
0.075	0.9808	0.9867	0.9962	1.0000
0.100	0.9702	0.9791	0.9939	0.9999
0.125	0.9580	0.9703	0.9912	0.9999
0.150	0.9443	0.9604	0.9880	0.9999
0.175	0.9293	0.9493	0.9843	0.9998
0.200	0.9130	0.9370	0.9801	0.9998
0.225	0.8953	0.9236	0.9754	0.9997
0.250	0.8765	0.9090	0.9701	0.9996
0.275	0.8564	0.8933	0.9641	0.9995
0.300	0.8352	0.8765	0.9574	0.9994
0.325	0.8129	0.8584	0.9500	0.9993
0.350	0.7894	0.8392	0.9418	0.9992
0.375	0.7648	0.8187	0.9327	0.9990
0.400	0.7392	0.7970	0.9226	0.9988
0.425	0.7125	0.7741	0.9115	0.9985
0.450	0.6848	0.7498	0.8991	0.9983
0.475	0.6562	0.7243	0.8855	0.9979
0.500	0.6266	0.6975	0.8705	0.9975
0.525	0.5960	0.6694	0.8539	0.9971
0.550	0.5647	0.6399	0.8356	0.9965
0.575	0.5325	0.6091	0.8154	0.9958
0.600	0.4995	0.5770	0.7930	0.9950
0.625	0.4659	0.5436	0.7683	0.9939
0.650	0.4316	0.5089	0.7411	0.9926
0.675	0.3969	0.4730	0.7110	0.9910
0.700	0.3617	0.4358	0.6777	0.9889
0.725	0.3262	0.3976	0.6409	0.9861
0.750	0.2906	0.3585	0.6003	0.9825
0.775	0.2551	0.3185	0.5556	0.9777
0.800	0.2197	0.2778	0.5063	0.9709
0.825	0.1849	0.2369	0.4522	0.9614
0.850	0.1509	0.1959	0.3930	0.9473
0.875	0.1160	0.1553	0.3288	0.9256
0.900	0.0868	0.1160	0.2598	0.8905
0.925	0.0580	0.0786	0.1873	0.8295
0.950	0.0325	0.0447	0.1137	0.7133
0.975	0.0118	0.0165	0.0451	0.4672
1.000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-82.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9884	0.9909	0.9950	0.9961	0.9966
0.050	0.9688	0.9754	0.9862	0.9892	0.9906
0.075	0.9456	0.9567	0.9752	0.9804	0.9829
0.100	0.9205	0.9361	0.9628	0.9704	0.9741
0.125	0.8943	0.9143	0.9491	0.9592	0.9642
0.150	0.8676	0.8919	0.9346	0.9473	0.9535
0.175	0.8409	0.8691	0.9195	0.9346	0.9421
0.200	0.8145	0.8461	0.9038	0.9213	0.9301
0.225	0.7884	0.8233	0.8877	0.9076	0.9176
0.250	0.7629	0.8007	0.8713	0.8935	0.9047
0.275	0.7381	0.7784	0.8547	0.8790	0.8914
0.300	0.7140	0.7565	0.8379	0.8643	0.8777
0.325	0.6906	0.7350	0.8211	0.8493	0.8638
0.350	0.6680	0.7140	0.8043	0.8342	0.8496
0.375	0.6462	0.6936	0.7874	0.8189	0.8352
0.400	0.6251	0.6736	0.7706	0.8035	0.8206
0.425	0.6048	0.6543	0.7539	0.7880	0.8059
0.450	0.5853	0.6354	0.7373	0.7725	0.7911
0.475	0.5665	0.6171	0.7208	0.7569	0.7761
0.500	0.5484	0.5994	0.7045	0.7414	0.7611
0.525	0.5310	0.5822	0.6883	0.7259	0.7460
0.550	0.5142	0.5655	0.6723	0.7104	0.7308
0.575	0.4981	0.5493	0.6566	0.6950	0.7157
0.600	0.4827	0.5337	0.6410	0.6796	0.7005
0.625	0.4678	0.5185	0.6256	0.6644	0.6854
0.650	0.4535	0.5039	0.6104	0.6492	0.6702
0.675	0.4397	0.4897	0.5955	0.6341	0.6551
0.700	0.4265	0.4759	0.5808	0.6191	0.6401
0.725	0.4138	0.4626	0.5663	0.6043	0.6251
0.750	0.4016	0.4498	0.5521	0.5896	0.6101
0.775	0.3898	0.4373	0.5381	0.5750	0.5953
0.800	0.3785	0.4253	0.5243	0.5606	0.5805
0.825	0.3676	0.4136	0.5108	0.5464	0.5658
0.850	0.3571	0.4023	0.4975	0.5323	0.5512
0.875	0.3470	0.3914	0.4845	0.5183	0.5367
0.900	0.3372	0.3808	0.4717	0.5045	0.5224
0.925	0.3278	0.3706	0.4592	0.4909	0.5081
0.950	0.3188	0.3607	0.4469	0.4775	0.4940
0.975	0.3101	0.3511	0.4348	0.4642	0.4800
1.000	0.3017	0.3418	0.4229	0.4511	0.4661

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9970	0.9972	0.9974	0.9975	0.9976
0.050	0.9915	0.9921	0.9926	0.9930	0.9933
0.075	0.9845	0.9856	0.9864	0.9871	0.9878
0.100	0.9763	0.9779	0.9792	0.9871	0.9878
0.125	0.9672	0.9694	0.9711	0.9803	0.9813
0.150	0.9574	0.9601	0.9623	0.9726	0.9740
0.175	0.9468	0.9502	0.9528	0.9642	0.9659
0.200	0.9356	0.9396	0.9427	0.9551	0.9572
0.225	0.9239	0.9285	0.9321	0.9454	0.9479
0.250	0.9118	0.9169	0.9210	0.9352	0.9381
0.275	0.8992	0.9049	0.9095	0.9245	0.9278
0.300	0.8863	0.8925	0.8975	0.9134	0.9171
0.325	0.8730	0.8798	0.8852	0.9019	0.9059
0.350	0.8595	0.8668	0.8726	0.8899	0.8943
0.375	0.8457	0.8534	0.8596	0.8777	0.8824
0.400	0.8317	0.8398	0.8464	0.8651	0.8701
0.425	0.8175	0.8260	0.8329	0.8522	0.8575
0.450	0.8031	0.8120	0.8192	0.8390	0.8446
0.475	0.7886	0.7978	0.8053	0.8255	0.8314
0.500	0.7739	0.7834	0.7911	0.8118	0.8180
0.525	0.7591	0.7689	0.7768	0.7979	0.8043
0.550	0.7442	0.7542	0.7623	0.7838	0.7904
0.575	0.7293	0.7394	0.7477	0.7695	0.7762
0.600	0.7143	0.7245	0.7330	0.7550	0.7619
0.625	0.6992	0.7096	0.7181	0.7404	0.7474
0.650	0.6841	0.6946	0.7031	0.7256	0.7327
0.675	0.6690	0.6795	0.6880	0.7107	0.7178
0.700	0.6539	0.6643	0.6729	0.6956	0.7028
0.725	0.6388	0.6492	0.6577	0.6805	0.6877
0.750	0.6238	0.6340	0.6424	0.6652	0.6724
0.775	0.6087	0.6188	0.6271	0.6499	0.6570
0.800	0.5937	0.6036	0.6118	0.6345	0.6415
0.825	0.5787	0.5884	0.5964	0.6190	0.6259
0.850	0.5638	0.5733	0.5811	0.6035	0.6103
0.875	0.5489	0.5581	0.5657	0.5880	0.5945
0.900	0.5342	0.5430	0.5503	0.5724	0.5787
0.925	0.5195	0.5280	0.5350	0.5568	0.5629
0.950	0.5049	0.5130	0.5196	0.5412	0.5470
0.975	0.4903	0.4981	0.5044	0.5255	0.5311
1.000	0.4759	0.4832	0.4891	0.5099	0.5152
				0.4943	0.4992

p.A

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	. Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9978	0.9979	0.9980	0.9982	0.9984
0.050	0.9937	0.9941	0.9945	0.9950	0.9956
0.075	0.9885	0.9891	0.9899	0.9907	0.9918
0.100	0.9823	0.9833	0.9844	0.9857	0.9873
0.125	0.9753	0.9767	0.9782	0.9799	0.9822
0.150	0.9676	0.9693	0.9713	0.9736	0.9765
0.175	0.9593	0.9614	0.9638	0.9666	0.9702
0.200	0.9504	0.9529	0.9557	0.9591	0.9634
0.225	0.9410	0.9439	0.9472	0.9511	0.9562
0.250	0.9310	0.9344	0.9381	0.9426	0.9484
0.275	0.9207	0.9244	0.9286	0.9336	0.9407
0.300	0.9098	0.9140	0.9186	0.9242	0.9315
0.325	0.8986	0.9032	0.9083	0.9144	0.9224
0.350	0.8870	0.8920	0.8975	0.9041	0.9128
0.375	0.8751	0.8804	0.8863	0.8934	0.9029
0.400	0.8628	0.8684	0.8747	0.8824	0.8925
0.425	0.8502	0.8561	0.8628	0.8709	0.8817
0.450	0.8373	0.8435	0.8506	0.8591	0.8705
0.475	0.8241	0.8306	0.8380	0.8470	0.8589
0.500	0.8107	0.8174	0.8251	0.8344	0.8469
0.525	0.7969	0.8039	0.8119	0.8216	0.8346
0.550	0.7830	0.7902	0.7983	0.8083	0.8218
0.575	0.7688	0.7761	0.7845	0.7948	0.8087
0.600	0.7544	0.7619	0.7704	0.7810	0.7952
0.625	0.7398	0.7474	0.7561	0.7668	0.7813
0.650	0.7250	0.7327	0.7415	0.7523	0.7671
0.675	0.7100	0.7178	0.7266	0.7376	0.7525
0.700	0.6949	0.7026	0.7115	0.7225	0.7375
0.725	0.6796	0.6873	0.6962	0.7072	0.7222
0.750	0.6641	0.6718	0.6806	0.6916	0.7066
0.775	0.6486	0.6562	0.6649	0.6757	0.6906
0.800	0.6329	0.6403	0.6489	0.6596	0.6742
0.825	0.6171	0.6244	0.6328	0.6432	0.6576
0.850	0.6011	0.6083	0.6164	0.6266	0.6406
0.875	0.5851	0.5920	0.5999	0.6098	0.6233
0.900	0.5691	0.5757	0.5833	0.5927	0.6057
0.925	0.5529	0.5592	0.5665	0.5755	0.5878
0.950	0.5367	0.5427	0.5495	0.5580	0.5696
0.975	0.5204	0.5260	0.5324	0.5403	0.5511
1.000	0.5041	0.5093	0.5153	0.5225	0.5323

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9987	0.9992	0.9999	1.0000
0.050	0.9964	0.9977	0.9998	1.0000
0.075	0.9933	0.9957	0.9995	1.0000
0.100	0.9897	0.9933	0.9993	1.0000
0.125	0.9854	0.9905	0.9989	1.0000
0.150	0.9806	0.9873	0.9985	0.9999
0.175	0.9754	0.9838	0.9980	0.9999
0.200	0.9696	0.9798	0.9975	0.9999
0.225	0.9634	0.9755	0.9969	0.9999
0.250	0.9568	0.9708	0.9961	0.9998
0.275	0.9497	0.9657	0.9953	0.9998
0.300	0.9421	0.9602	0.9944	0.9998
0.325	0.9341	0.9542	0.9934	0.9997
0.350	0.9257	0.9479	0.9922	0.9996
0.375	0.9168	0.9412	0.9909	0.9996
0.400	0.9075	0.9340	0.9894	0.9995
0.425	0.8978	0.9263	0.9877	0.9994
0.450	0.8876	0.9182	0.9858	0.9993
0.475	0.8770	0.9095	0.9836	0.9991
0.500	0.8659	0.9004	0.9812	0.9990
0.525	0.8544	0.8907	0.9785	0.9988
0.550	0.8424	0.8805	0.9753	0.9986
0.575	0.8300	0.8698	0.9718	0.9983
0.600	0.8171	0.8584	0.9678	0.9980
0.625	0.8038	0.8464	0.9632	0.9976
0.650	0.7900	0.8338	0.9579	0.9970
0.675	0.7757	0.8205	0.9519	0.9964
0.700	0.7610	0.8066	0.9449	0.9956
0.725	0.7458	0.7919	0.9369	0.9946
0.750	0.7301	0.7765	0.9276	0.9932
0.775	0.7140	0.7604	0.9167	0.9915
0.800	0.6973	0.7434	0.9040	0.9891
0.825	0.6802	0.7256	0.8890	0.9857
0.850	0.6627	0.7070	0.8713	0.9809
0.875	0.6446	0.6874	0.8502	0.9738
0.900	0.6261	0.6670	0.8250	0.9627
0.925	0.6071	0.6456	0.7946	0.9444
0.950	0.5876	0.6232	0.7576	0.9116
0.975	0.5677	0.5999	0.7124	0.8467
1.000	0.5473	0.5755	0.6567	0.6968

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-32.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8135	0.9627	0.9907	0.9936	0.9948
0.050	0.6236	0.9058	0.9745	0.9824	0.9855
0.075	0.4810	0.8445	0.9548	0.9683	0.9738
0.100	0.3768	0.7836	0.9328	0.9523	0.9603
0.125	0.2956	0.7254	0.9092	0.9348	0.9454
0.150	0.1374	0.6708	0.8847	0.9162	0.9295
0.175	0.0750	0.6201	0.8594	0.8967	0.9126
0.200	0.0454	0.5733	0.8338	0.8765	0.8949
0.225	0.0295	0.5304	0.8080	0.8558	0.8766
0.250	0.0202	0.4910	0.7823	0.8347	0.8578
0.275	0.0144	0.4549	0.7566	0.8133	0.8386
0.300	0.0106	0.4219	0.7312	0.7917	0.8190
0.325	0.0080	0.3916	0.7061	0.7701	0.7992
0.350	0.0061	0.3639	0.6814	0.7484	0.7792
0.375	0.0047	0.3289	0.6571	0.7267	0.7590
0.400	0.0037	0.2490	0.6334	0.7051	0.7387
0.425	0.0030	0.1914	0.6101	0.6836	0.7184
0.450	0.0024	0.1489	0.5873	0.6622	0.6980
0.475	0.0019	0.1170	0.5651	0.6411	0.6777
0.500	0.0016	0.0928	0.5434	0.6202	0.6574
0.525	0.0013	0.0741	0.5223	0.5995	0.6372
0.550	0.0011	0.0595	0.5018	0.5790	0.6171
0.575	0.0009	0.0479	0.4818	0.5589	0.5971
0.600	0.0007	0.0387	0.4624	0.5390	0.5773
0.625	0.0006	0.0312	0.4436	0.5195	0.5576
0.650	0.0005	0.0252	0.4253	0.5003	0.5381
0.675	0.0004	0.0203	0.3637	0.4814	0.5189
0.700	0.0003	0.0163	0.3034	0.4628	0.4998
0.725	0.0003	0.0130	0.2505	0.4254	0.4810
0.750	0.0002	0.0103	0.2045	0.3578	0.4512
0.775	0.0002	0.0081	0.1646	0.2961	0.3802
0.800	0.0001	0.0062	0.1301	0.2403	0.3139
0.825	0.0001	0.0047	0.1006	0.1904	0.2528
0.850	0.0001	0.0035	0.0755	0.1462	0.1972
0.875	0.0000	0.0024	0.0544	0.1076	0.1473
0.900	0.0000	0.0016	0.0369	0.0745	0.1035
0.925	0.0000	0.0010	0.0227	0.0468	0.0659
0.950	0.0000	0.0005	0.0118	0.0246	0.0352
0.975	0.0000	0.0002	0.0040	0.0084	0.0122
1.000	-0.	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9954	0.9959	0.9962	0.9965	0.9967
0.050	0.9873	0.9884	0.9893	0.9901	0.9907
0.075	0.9769	0.9790	0.9805	0.9819	0.9830
0.100	0.9649	0.9680	0.9703	0.9722	0.9740
0.125	0.9515	0.9557	0.9588	0.9615	0.9638
0.150	0.9371	0.9423	0.9463	0.9497	0.9526
0.175	0.9218	0.9281	0.9329	0.9370	0.9406
0.200	0.9056	0.9130	0.9187	0.9235	0.9278
0.225	0.8889	0.8973	0.9038	0.9093	0.9143
0.250	0.8715	0.8810	0.8883	0.8945	0.9001
0.275	0.8536	0.8641	0.8723	0.8792	0.8854
0.300	0.8354	0.8468	0.8557	0.8632	0.8701
0.325	0.8167	0.8291	0.8387	0.8469	0.8543
0.350	0.7978	0.8110	0.8213	0.8300	0.8381
0.375	0.7787	0.7926	0.8035	0.8128	0.8214
0.400	0.7593	0.7739	0.7854	0.7953	0.8043
0.425	0.7398	0.7550	0.7671	0.7774	0.7869
0.450	0.7201	0.7359	0.7484	0.7592	0.7691
0.475	0.7004	0.7167	0.7296	0.7408	0.7510
0.500	0.6806	0.6973	0.7106	0.7221	0.7327
0.525	0.6608	0.6778	0.6914	0.7032	0.7141
0.550	0.6410	0.6583	0.6721	0.6841	0.6952
0.575	0.6212	0.6387	0.6527	0.6649	0.6762
0.600	0.6015	0.6191	0.6332	0.6455	0.6570
0.625	0.5818	0.5995	0.6137	0.6261	0.6376
0.650	0.5622	0.5799	0.5941	0.6065	0.6181
0.675	0.5428	0.5603	0.5745	0.5869	0.5985
0.700	0.5235	0.5408	0.5549	0.5672	0.5787
0.725	0.5043	0.5214	0.5353	0.5475	0.5589
0.750	0.4853	0.5021	0.5158	0.5278	0.5391
0.775	0.4383	0.4822	0.4963	0.5081	0.5192
0.800	0.3664	0.4069	0.4407	0.4708	0.4992
0.825	0.2986	0.3347	0.3654	0.3932	0.4198
0.850	0.2356	0.2666	0.2933	0.3178	0.3416
0.875	0.1780	0.2032	0.2253	0.2458	0.2661
0.900	0.1263	0.1455	0.1625	0.1786	0.1947
0.925	0.0813	0.0945	0.1063	0.1177	0.1291
0.950	0.0438	0.0513	0.0582	0.0649	0.0717
0.975	0.0153	0.0181	0.0207	0.0232	0.0258
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9969	0.9971	0.9974	0.9977	0.9980
0.050	0.9913	0.9919	0.9926	0.9934	0.9943
0.075	0.9841	0.9852	0.9864	0.9878	0.9894
0.100	0.9756	0.9773	0.9791	0.9811	0.9836
0.125	0.9660	0.9683	0.9707	0.9735	0.9770
0.150	0.9555	0.9584	0.9615	0.9651	0.9696
0.175	0.9441	0.9477	0.9515	0.9559	0.9615
0.200	0.9319	0.9362	0.9407	0.9460	0.9526
0.225	0.9191	0.9239	0.9292	0.9354	0.9432
0.250	0.9056	0.9111	0.9171	0.9242	0.9330
0.275	0.8914	0.8976	0.9044	0.9123	0.9223
0.300	0.8767	0.8836	0.8910	0.8998	0.9110
0.325	0.8615	0.8690	0.8772	0.8868	0.8991
0.350	0.8458	0.8539	0.8627	0.8732	0.8866
0.375	0.8297	0.8383	0.8478	0.8590	0.8735
0.400	0.8131	0.8223	0.8324	0.8444	0.8599
0.425	0.7961	0.8058	0.8165	0.8292	0.8457
0.450	0.7788	0.7889	0.8001	0.8135	0.8310
0.475	0.7611	0.7716	0.7834	0.7974	0.8157
0.500	0.7431	0.7540	0.7662	0.7808	0.8000
0.525	0.7248	0.7360	0.7486	0.7638	0.7837
0.550	0.7062	0.7173	0.7307	0.7463	0.7669
0.575	0.6874	0.6992	0.7124	0.7284	0.7495
0.600	0.6683	0.6803	0.6938	0.7101	0.7317
0.625	0.6491	0.6612	0.6748	0.6914	0.7134
0.650	0.6296	0.6418	0.6555	0.6723	0.6947
0.675	0.6100	0.6222	0.6360	0.6528	0.6754
0.700	0.5902	0.6024	0.6162	0.6330	0.6557
0.725	0.5703	0.5824	0.5961	0.6129	0.6355
0.750	0.5503	0.5622	0.5758	0.5925	0.6149
0.775	0.5302	0.5419	0.5553	0.5717	0.5939
0.800	0.5100	0.5215	0.5346	0.5507	0.5725
0.825	0.4467	0.4759	0.5090	0.5294	0.5506
0.850	0.3661	0.3929	0.4241	0.4632	0.5167
0.875	0.2872	0.3106	0.3384	0.3738	0.4238
0.900	0.2116	0.2307	0.2537	0.2837	0.3271
0.925	0.1414	0.1554	0.1725	0.1953	0.2293
0.950	0.0791	0.0876	0.0983	0.1127	0.1348
0.975	0.0287	0.0321	0.0363	0.0422	0.0515
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.25

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9984	0.9991	0.9999	1.0000
0.050	0.9955	0.9973	0.9997	1.0000
0.075	0.9917	0.9949	0.9995	1.0000
0.100	0.9870	0.9921	0.9992	1.0000
0.125	0.9817	0.9887	0.9988	1.0000
0.150	0.9757	0.9849	0.9984	1.0000
0.175	0.9690	0.9805	0.9979	0.9999
0.200	0.9617	0.9757	0.9973	0.9999
0.225	0.9539	0.9705	0.9966	0.9999
0.250	0.9454	0.9647	0.9958	0.9998
0.275	0.9363	0.9585	0.9950	0.9998
0.300	0.9266	0.9517	0.9940	0.9998
0.325	0.9164	0.9444	0.9928	0.9997
0.350	0.9056	0.9365	0.9915	0.9996
0.375	0.8941	0.9281	0.9901	0.9996
0.400	0.8821	0.9191	0.9884	0.9995
0.425	0.8695	0.9095	0.9865	0.9994
0.450	0.8563	0.8993	0.9844	0.9993
0.475	0.8425	0.8884	0.9820	0.9991
0.500	0.8281	0.8768	0.9792	0.9990
0.525	0.8130	0.8645	0.9761	0.9988
0.550	0.7974	0.8514	0.9725	0.9985
0.575	0.7811	0.8376	0.9684	0.9982
0.600	0.7642	0.8229	0.9637	0.9979
0.625	0.7467	0.8074	0.9583	0.9975
0.650	0.7286	0.7910	0.9521	0.9969
0.675	0.7098	0.7737	0.9449	0.9962
0.700	0.6903	0.7554	0.9366	0.9954
0.725	0.6703	0.7361	0.9268	0.9943
0.750	0.6496	0.7158	0.9154	0.9928
0.775	0.6282	0.6944	0.9019	0.9909
0.800	0.6063	0.6718	0.8860	0.9882
0.825	0.5837	0.6481	0.8670	0.9845
0.850	0.5605	0.6232	0.8442	0.9791
0.875	0.5039	0.5970	0.8167	0.9709
0.900	0.3999	0.5513	0.7832	0.9578
0.925	0.2889	0.4247	0.7421	0.9357
0.950	0.1755	0.2777	0.6913	0.8948
0.975	0.0695	0.1197	0.5232	0.8092
1.000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA *** AX/AB	-82.00 Q	-80.00 Q	-70.00 Q	-60.00 Q	-50.00 Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.6446	0.9279	0.9856	0.9908	0.9927
0.050	0.3998	0.8287	0.9611	0.9747	0.9798
0.075	0.2296	0.7319	0.9319	0.9548	0.9636
0.100	0.1175	0.6443	0.8998	0.9323	0.9451
0.125	0.0682	0.5670	0.8662	0.9081	0.9249
0.150	0.0431	0.4997	0.8317	0.8825	0.9033
0.175	0.0289	0.4414	0.7970	0.8560	0.8806
0.200	0.0203	0.3908	0.7624	0.8289	0.8570
0.225	0.0147	0.3470	0.7282	0.8013	0.8328
0.250	0.0110	0.2798	0.6945	0.7735	0.8081
0.275	0.0084	0.2244	0.6616	0.7457	0.7831
0.300	0.0065	0.1817	0.6296	0.7179	0.7578
0.325	0.0051	0.1482	0.5984	0.6902	0.7323
0.350	0.0041	0.1218	0.5683	0.6628	0.7068
0.375	0.0033	0.1007	0.5391	0.6356	0.6812
0.400	0.0027	0.0836	0.5110	0.6089	0.6558
0.425	0.0022	0.0697	0.4839	0.5825	0.6304
0.450	0.0018	0.0583	0.4578	0.5567	0.6053
0.475	0.0015	0.0489	0.4327	0.5567	0.6053
0.500	0.0012	0.0411	0.3948	0.5313	0.5803
0.525	0.0010	0.0345	0.3507	0.5064	0.5556
0.550	0.0008	0.0290	0.3102	0.4821	0.5312
0.575	0.0007	0.0244	0.2733	0.4583	0.5072
0.600	0.0006	0.0205	0.2395	0.4194	0.4835
0.625	0.0005	0.0171	0.2088	0.3756	0.4542
0.650	0.0004	0.0143	0.1809	0.3343	0.4090
0.675	0.0003	0.0118	0.1556	0.2954	0.3656
0.700	0.0003	0.0098	0.1327	0.2590	0.3241
0.725	0.0002	0.0080	0.1121	0.2250	0.2846
0.750	0.0002	0.0065	0.0935	0.1933	0.2472
0.775	0.0001	0.0052	0.0769	0.1641	0.2120
0.800	0.0001	0.0041	0.0671	0.1372	0.1790
0.825	0.0001	0.0031	0.0490	0.1125	0.1483
0.850	0.0001	0.0023	0.0375	0.0902	0.1200
0.875	0.0000	0.0017	0.0276	0.0700	0.0941
0.900	0.0000	0.0011	0.0190	0.0522	0.0707
0.925	0.0000	0.0007	0.0120	0.0365	0.0500
0.950	0.0000	0.0004	0.0063	0.0232	0.0320
0.975	0.0000	0.0001	0.0022	0.0124	0.0172
1.000	-0.	0.0000	0.0000	0.0043	0.0060
				0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA *** AX/AB	-40.00 Q	-30.00 Q	-20.00 Q	-10.00 Q	-0. Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9937	0.9944	0.9949	0.9953	0.9957
0.050	0.9826	0.9844	0.9857	0.9868	0.9878
0.075	0.9685	0.9717	0.9741	0.9760	0.9777
0.100	0.9522	0.9569	0.9605	0.9634	0.9659
0.125	0.9343	0.9406	0.9453	0.9492	0.9526
0.150	0.9150	0.9229	0.9288	0.9338	0.9381
0.175	0.8946	0.9040	0.9112	0.9172	0.9225
0.200	0.8732	0.8842	0.8926	0.8996	0.9059
0.225	0.8511	0.8636	0.8732	0.8812	0.8884
0.250	0.8284	0.8423	0.8531	0.8620	0.8701
0.275	0.8052	0.8204	0.8322	0.8422	0.8511
0.300	0.7815	0.7980	0.8109	0.8217	0.8314
0.325	0.7576	0.7752	0.7890	0.8006	0.8112
0.350	0.7334	0.7521	0.7667	0.7791	0.7904
0.375	0.7090	0.7286	0.7440	0.7571	0.7691
0.400	0.6845	0.7050	0.7211	0.7348	0.7474
0.425	0.6600	0.6811	0.6978	0.7121	0.7253
0.450	0.6355	0.6572	0.6744	0.6892	0.7028
0.475	0.6110	0.6332	0.6508	0.6660	0.6800
0.500	0.5867	0.6091	0.6271	0.6426	0.6570
0.525	0.5624	0.5851	0.6033	0.6191	0.6337
0.550	0.5384	0.5612	0.5795	0.5954	0.6103
0.575	0.5145	0.5373	0.5557	0.5717	0.5866
0.600	0.4909	0.5136	0.5319	0.5479	0.5629
0.625	0.4592	0.4900	0.5082	0.5241	0.5391
0.650	0.4136	0.4501	0.4800	0.5003	0.5152
0.675	0.3695	0.4043	0.4332	0.4590	0.4833
0.700	0.3269	0.3597	0.3873	0.4120	0.4356
0.725	0.2860	0.3166	0.3424	0.3658	0.3883
0.750	0.2470	0.2749	0.2988	0.3205	0.3416
0.775	0.2101	0.2351	0.2567	0.2765	0.2959
0.800	0.1753	0.1972	0.2163	0.2340	0.2514
0.825	0.1428	0.1615	0.1780	0.1933	0.2085
0.850	0.1127	0.1282	0.1419	0.1548	0.1676
0.875	0.0853	0.0975	0.1084	0.1187	0.1291
0.900	0.0606	0.0697	0.0779	0.0856	0.0935
0.925	0.0391	0.0452	0.0507	0.0560	0.0615
0.950	0.0212	0.0246	0.0277	0.0307	0.0338
0.975	0.0074	0.0087	0.0098	0.0109	0.0121
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

117

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9974	0.9986	0.9999	1.0000
0.050	0.9924	0.9959	0.9997	1.0000
0.075	0.9859	0.9922	0.9994	1.0000
0.100	0.9780	0.9877	0.9991	1.0000
0.125	0.9687	0.9824	0.9986	1.0000
0.150	0.9583	0.9763	0.9981	0.9999
0.175	0.9466	0.9693	0.9975	0.9999
0.200	0.9338	0.9615	0.9967	0.9999
0.225	0.9198	0.9528	0.9959	0.9999
0.250	0.9046	0.9432	0.9949	0.9998
0.275	0.8883	0.9326	0.9938	0.9998
0.300	0.8708	0.9210	0.9925	0.9997
0.325	0.8521	0.9084	0.9910	0.9997
0.350	0.8322	0.8947	0.9893	0.9996
0.375	0.8111	0.8799	0.9873	0.9995
0.400	0.7888	0.8638	0.9850	0.9994
0.425	0.7652	0.8463	0.9824	0.9993
0.450	0.7404	0.8276	0.9794	0.9992
0.475	0.7143	0.8073	0.9760	0.9990
0.500	0.6870	0.7856	0.9720	0.9989
0.525	0.6584	0.7622	0.9673	0.9986
0.550	0.6286	0.7371	0.9619	0.9984
0.575	0.5975	0.7101	0.9556	0.9980
0.600	0.5651	0.6813	0.9482	0.9976
0.625	0.5315	0.6505	0.9394	0.9971
0.650	0.4968	0.6176	0.9291	0.9965
0.675	0.4609	0.5825	0.9168	0.9956
0.700	0.4240	0.5452	0.9020	0.9946
0.725	0.3861	0.5056	0.8842	0.9932
0.750	0.3474	0.4636	0.8626	0.9913
0.775	0.3080	0.4193	0.8361	0.9888
0.800	0.2681	0.3728	0.8033	0.9852
0.825	0.2281	0.3242	0.7625	0.9799
0.850	0.1832	0.2737	0.7110	0.9719
0.875	0.1489	0.2219	0.6456	0.9591
0.900	0.1109	0.1695	0.5618	0.9372
0.925	0.0750	0.1177	0.4538	0.8961
0.950	0.0425	0.0687	0.3158	0.8088
0.975	0.0157	0.0261	0.1477	0.5865
1.000	0.0000	0.0000	0.0000	0.0000

*** END OF DIFFUSE SKIRT CASE, REFLECTANCE = 0. ***

118

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9960	0.9963	0.9967	0.9970	0.9975
0.050	0.9887	0.9896	0.9906	0.9916	0.9929
0.075	0.9793	0.9810	0.9826	0.9846	0.9869
0.100	0.9683	0.9707	0.9733	0.9762	0.9796
0.125	0.9559	0.9592	0.9626	0.9666	0.9714
0.150	0.9423	0.9464	0.9509	0.9559	0.9621
0.175	0.9275	0.9326	0.9381	0.9443	0.9519
0.200	0.9118	0.9178	0.9243	0.9317	0.9408
0.225	0.8952	0.9022	0.9097	0.9183	0.9289
0.250	0.8778	0.8857	0.8942	0.9040	0.9162
0.275	0.8597	0.8684	0.8779	0.8889	0.9027
0.300	0.8403	0.8505	0.8609	0.8731	0.8884
0.325	0.8214	0.8319	0.8432	0.8566	0.8734
0.350	0.8013	0.8125	0.8249	0.8393	0.8576
0.375	0.7807	0.7927	0.8059	0.8214	0.8411
0.400	0.7596	0.7723	0.7863	0.8027	0.8239
0.425	0.7381	0.7514	0.7661	0.7835	0.8059
0.450	0.7161	0.7300	0.7454	0.7637	0.7873
0.475	0.6938	0.7082	0.7241	0.7432	0.7680
0.500	0.6711	0.6859	0.7024	0.7222	0.7480
0.525	0.6482	0.6633	0.6802	0.7006	0.7274
0.550	0.6249	0.6403	0.6576	0.6785	0.7061
0.575	0.6014	0.6171	0.6346	0.6559	0.6841
0.600	0.5778	0.5935	0.6113	0.6329	0.6616
0.625	0.5539	0.5697	0.5876	0.6093	0.6384
0.650	0.5300	0.5457	0.5635	0.5854	0.6147
0.675	0.5059	0.5215	0.5392	0.5610	0.5903
0.700	0.4594	0.4850	0.5141	0.5363	0.5655
0.725	0.4111	0.4359	0.4644	0.4998	0.5401
0.750	0.3632	0.3868	0.4142	0.4486	0.4959
0.775	0.3159	0.3379	0.3637	0.3965	0.4422
0.800	0.2695	0.2896	0.3134	0.3439	0.3871
0.825	0.2245	0.2423	0.2636	0.2913	0.3311
0.850	0.1812	0.1965	0.2150	0.2392	0.2745
0.875	0.1402	0.1527	0.1680	0.1882	0.2183
0.900	0.1020	0.1116	0.1235	0.1393	0.1633
0.925	0.0573	0.0740	0.0823	0.0936	0.1109
0.950	0.0372	0.0411	0.0460	0.0527	0.0632
0.975	0.0134	0.0148	0.0167	0.0193	0.0234
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.50

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9981	0.9989	0.9999	1.0000
0.050	0.9945	0.9968	0.9997	1.0000
0.075	0.9899	0.9941	0.9995	1.0000
0.100	0.9842	0.9907	0.9992	1.0000
0.125	0.9777	0.9867	0.9988	1.0000
0.150	0.9703	0.9822	0.9983	0.9999
0.175	0.9621	0.9770	0.9978	0.9999
0.200	0.9531	0.9713	0.9971	0.9999
0.225	0.9434	0.9650	0.9964	0.9999
0.250	0.9329	0.9581	0.9955	0.9998
0.275	0.9216	0.9506	0.9946	0.9998
0.300	0.9096	0.9424	0.9935	0.9997
0.325	0.8968	0.9335	0.9922	0.9997
0.350	0.8933	0.9239	0.9908	0.9996
0.375	0.8690	0.9136	0.9892	0.9996
0.400	0.8539	0.9026	0.9874	0.9995
0.425	0.8380	0.8907	0.9853	0.9994
0.450	0.8214	0.8780	0.9829	0.9992
0.475	0.8039	0.8644	0.9801	0.9991
0.500	0.7857	0.8500	0.9770	0.9989
0.525	0.7667	0.8345	0.9734	0.9987
0.550	0.7468	0.8181	0.9693	0.9985
0.575	0.7261	0.8006	0.9646	0.9982
0.600	0.7046	0.7820	0.9592	0.9978
0.625	0.6823	0.7622	0.9528	0.9973
0.650	0.6592	0.7413	0.9455	0.9968
0.675	0.6352	0.7190	0.9369	0.9961
0.700	0.6105	0.6955	0.9269	0.9951
0.725	0.5849	0.6705	0.9150	0.9939
0.750	0.5585	0.6442	0.9009	0.9924
0.775	0.5150	0.6163	0.8842	0.9902
0.800	0.4575	0.5870	0.8640	0.9873
0.825	0.3973	0.5359	0.8397	0.9831
0.850	0.3349	0.4670	0.8101	0.9770
0.875	0.2708	0.3916	0.7738	0.9675
0.900	0.2062	0.3102	0.7288	0.9521
0.925	0.1427	0.2240	0.6726	0.9252
0.950	0.0829	0.1362	0.5365	0.8733
0.975	0.0313	0.0540	0.2956	0.7583
1.000	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	-82.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.5124	0.8902	0.9799	0.9876	0.9904
0.050	0.2596	0.7533	0.9465	0.9662	0.9735
0.075	0.1312	0.6314	0.9073	0.9401	0.9526
0.100	0.0756	0.5293	0.8652	0.9110	0.9288
0.125	0.0475	0.4452	0.8218	0.8798	0.9029
0.150	0.0318	0.3763	0.7781	0.8472	0.8755
0.175	0.0223	0.3128	0.7349	0.8138	0.8469
0.200	0.0161	0.2539	0.6925	0.7800	0.8174
0.225	0.0120	0.2079	0.6514	0.7459	0.7874
0.250	0.0092	0.1714	0.6116	0.7120	0.7570
0.275	0.0071	0.1423	0.5733	0.6783	0.7263
0.300	0.0056	0.1188	0.5366	0.6450	0.6956
0.325	0.0045	0.0997	0.5015	0.6122	0.6649
0.350	0.0036	0.0839	0.4680	0.5800	0.6343
0.375	0.0029	0.0710	0.4361	0.5485	0.6040
0.400	0.0024	0.0602	0.4003	0.5178	0.5741
0.425	0.0020	0.0511	0.3627	0.4879	0.5445
0.450	0.0016	0.0435	0.3277	0.4588	0.5154
0.475	0.0014	0.0370	0.2952	0.4237	0.4867
0.500	0.0011	0.0315	0.2651	0.3877	0.4562
0.525	0.0009	0.0269	0.2372	0.3533	0.4197
0.550	0.0008	0.0229	0.2115	0.3206	0.3844
0.575	0.0007	0.0194	0.1877	0.2894	0.3503
0.600	0.0005	0.0165	0.1657	0.2599	0.3174
0.625	0.0005	0.0139	0.1456	0.2320	0.2858
0.650	0.0004	0.0117	0.1271	0.2056	0.2556
0.675	0.0003	0.0098	0.1101	0.1809	0.2268
0.700	0.0003	0.0031	0.0946	0.1577	0.1994
0.725	0.0002	0.0067	0.0804	0.1360	0.1734
0.750	0.0002	0.0055	0.0676	0.1159	0.1489
0.775	0.0001	0.0044	0.0560	0.0972	0.1260
0.800	0.0001	0.0035	0.0455	0.0801	0.1046
0.825	0.0001	0.0027	0.0361	0.0644	0.0848
0.850	0.0001	0.0020	0.0278	0.0502	0.0666
0.875	0.0000	0.0015	0.0206	0.0376	0.0502
0.900	0.0000	0.0010	0.0143	0.0264	0.0355
0.925	0.0000	0.0006	0.0090	0.0169	0.0228
0.950	0.0000	0.0003	0.0048	0.0090	0.0123
0.975	0.0000	0.0001	0.0016	0.0031	0.0043
1.000	-0.	0.0000	0.0000	0.0000	0.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	10.00	20.00	30.00	40.00	50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9939	0.9945	0.9951	0.9957	0.9964
0.050	0.9829	0.9844	0.9860	0.9878	0.9898
0.075	0.9687	0.9714	0.9743	0.9774	0.9812
0.100	0.9520	0.9561	0.9603	0.9651	0.9707
0.125	0.9333	0.9388	0.9445	0.9510	0.9588
0.150	0.9128	0.9197	0.9271	0.9353	0.9453
0.175	0.8907	0.8991	0.9081	0.9182	0.9305
0.200	0.8673	0.8771	0.8877	0.8997	0.9144
0.225	0.8426	0.8539	0.8660	0.8799	0.8970
0.250	0.8168	0.8294	0.8431	0.8589	0.8784
0.275	0.7899	0.8039	0.8191	0.8367	0.8586
0.300	0.7622	0.7774	0.7940	0.8133	0.8376
0.325	0.7337	0.7501	0.7680	0.7889	0.8154
0.350	0.7045	0.7219	0.7410	0.7635	0.7922
0.375	0.6746	0.6929	0.7132	0.7371	0.7678
0.400	0.6442	0.6633	0.6845	0.7098	0.7423
0.425	0.6134	0.6331	0.6551	0.6815	0.7158
0.450	0.5821	0.6024	0.6251	0.6525	0.6883
0.475	0.5506	0.5712	0.5945	0.6226	0.6597
0.500	0.5188	0.5397	0.5633	0.5920	0.6302
0.525	0.4869	0.5078	0.5316	0.5607	0.5998
0.550	0.4550	0.4758	0.4996	0.5289	0.5684
0.575	0.4230	0.4436	0.4672	0.4964	0.5362
0.600	0.3912	0.4113	0.4346	0.4635	0.5033
0.625	0.3596	0.3791	0.4018	0.4303	0.4696
0.650	0.3282	0.3470	0.3690	0.3967	0.4353
0.675	0.2972	0.3152	0.3362	0.3629	0.4004
0.700	0.2667	0.2836	0.3035	0.3290	0.3651
0.725	0.2368	0.2526	0.2712	0.2952	0.3294
0.750	0.2077	0.2221	0.2393	0.2615	0.2936
0.775	0.1793	0.1923	0.2079	0.2283	0.2578
0.800	0.1519	0.1635	0.1773	0.1955	0.2222
0.825	0.1257	0.1357	0.1477	0.1636	0.1870
0.850	0.1008	0.1091	0.1192	0.1327	0.1527
0.875	0.0775	0.0842	0.0923	0.1031	0.1195
0.900	0.0561	0.0610	0.0672	0.0754	0.0880
0.925	0.0368	0.0402	0.0444	0.0501	0.0588
0.950	0.0202	0.0222	0.0246	0.0279	0.0329
0.975	0.0072	0.0079	0.0088	0.0101	0.0120
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

122

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA *** AX/AB	-40.00 Q	-30.00 Q	-20.00 Q	-10.00 Q	-0. Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9919	0.9928	0.9935	0.9941	0.9945
0.050	0.9774	0.9800	0.9818	0.9834	0.9847
0.075	0.9593	0.9638	0.9670	0.9697	0.9720
0.100	0.9386	0.9450	0.9499	0.9538	0.9572
0.125	0.9158	0.9243	0.9307	0.9360	0.9406
0.150	0.8914	0.9020	0.9101	0.9167	0.9225
0.175	0.8657	0.8784	0.8880	0.8960	0.9030
0.200	0.8390	0.8537	0.8648	0.8741	0.8824
0.225	0.8115	0.8281	0.8407	0.8513	0.8607
0.250	0.7834	0.8017	0.8157	0.8275	0.8381
0.275	0.7549	0.7747	0.7901	0.8030	0.8146
0.300	0.7260	0.7472	0.7638	0.7777	0.7904
0.325	0.6969	0.7194	0.7370	0.7519	0.7655
0.350	0.6677	0.6913	0.7099	0.7257	0.7400
0.375	0.6384	0.6630	0.6824	0.6989	0.7141
0.400	0.6093	0.6346	0.6546	0.6718	0.6877
0.425	0.5803	0.6061	0.6267	0.6445	0.6609
0.450	0.5514	0.5777	0.5987	0.6169	0.6337
0.475	0.5229	0.5494	0.5707	0.5892	0.6063
0.500	0.4947	0.5212	0.5426	0.5613	0.5787
0.525	0.4638	0.4932	0.5147	0.5334	0.5510
0.550	0.4274	0.4596	0.4861	0.5056	0.5231
0.575	0.3918	0.4233	0.4492	0.4722	0.4939
0.600	0.3572	0.3876	0.4129	0.4354	0.4568
0.625	0.3236	0.3527	0.3771	0.3989	0.4198
0.650	0.2910	0.3187	0.3419	0.3629	0.3830
0.675	0.2597	0.2856	0.3076	0.3275	0.3467
0.700	0.2296	0.2536	0.2741	0.2928	0.3110
0.725	0.2009	0.2228	0.2417	0.2590	0.2759
0.750	0.1735	0.1933	0.2104	0.2262	0.2417
0.775	0.1476	0.1651	0.1804	0.1946	0.2085
0.800	0.1232	0.1384	0.1517	0.1642	0.1765
0.825	0.1004	0.1132	0.1246	0.1353	0.1459
0.850	0.0793	0.0898	0.0992	0.1080	0.1169
0.875	0.0600	0.0683	0.0757	0.0827	0.0898
0.900	0.0427	0.0488	0.0543	0.0595	0.0648
0.925	0.0276	0.0317	0.0354	0.0389	0.0425
0.950	0.0150	0.0172	0.0193	0.0213	0.0233
0.975	0.0053	0.0061	0.0068	0.0076	0.0083
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA *** AX/AB	10.00 Q	20.00 Q	30.00 Q	40.00 Q	50.00 Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9950	0.9954	0.9959	0.9964	0.9970
0.050	0.9859	0.9871	0.9884	0.9898	0.9914
0.075	0.9742	0.9763	0.9786	0.9811	0.9841
0.100	0.9604	0.9636	0.9670	0.9708	0.9753
0.125	0.9450	0.9493	0.9539	0.9590	0.9653
0.150	0.9280	0.9335	0.9394	0.9460	0.9540
0.175	0.9097	0.9164	0.9236	0.9317	0.9416
0.200	0.8902	0.8981	0.9066	0.9162	0.9281
0.225	0.8697	0.8788	0.8885	0.8997	0.9135
0.250	0.8481	0.8584	0.8695	0.8822	0.8980
0.275	0.8257	0.8371	0.8494	0.8637	0.8814
0.300	0.8025	0.8150	0.8285	0.8442	0.8639
0.325	0.7786	0.7921	0.8067	0.8239	0.8455
0.350	0.7540	0.7684	0.7842	0.8027	0.8261
0.375	0.7288	0.7441	0.7609	0.7806	0.8058
0.400	0.7031	0.7191	0.7368	0.7578	0.7847
0.425	0.6769	0.6936	0.7121	0.7342	0.7626
0.450	0.6503	0.6676	0.6868	0.7098	0.7397
0.475	0.6233	0.6411	0.6609	0.6848	0.7159
0.500	0.5960	0.6141	0.6345	0.6591	0.6913
0.525	0.5684	0.5868	0.6076	0.6327	0.6660
0.550	0.5407	0.5592	0.5802	0.6058	0.6398
0.575	0.5127	0.5314	0.5525	0.5783	0.6129
0.600	0.4783	0.5012	0.5244	0.5503	0.5852
0.625	0.4408	0.4635	0.4895	0.5216	0.5568
0.650	0.4035	0.4257	0.4512	0.4830	0.5263
0.675	0.3664	0.3878	0.4126	0.4438	0.4867
0.700	0.3296	0.3501	0.3739	0.4041	0.4460
0.725	0.2934	0.3126	0.3353	0.3641	0.4046
0.750	0.2579	0.2757	0.2968	0.3239	0.3625
0.775	0.2232	0.2394	0.2588	0.2839	0.3199
0.800	0.1895	0.2040	0.2215	0.2442	0.2772
0.825	0.1572	0.1698	0.1850	0.2051	0.2346
0.850	0.1263	0.1370	0.1499	0.1670	0.1925
0.875	0.0973	0.1059	0.1164	0.1304	0.1514
0.900	0.0705	0.0770	0.0850	0.0957	0.1121
0.925	0.0463	0.0508	0.0563	0.0638	0.0753
0.950	0.0255	0.0281	0.0313	0.0356	0.0424
0.975	0.0091	0.0101	0.0113	0.0129	0.0155
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

124

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 0.75

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000
0.025	0.9977	0.9987	0.9999	1.0000
0.050	0.9935	0.9964	0.9997	1.0000
0.075	0.9879	0.9932	0.9994	1.0000
0.100	0.9812	0.9893	0.9991	1.0000
0.125	0.9733	0.9846	0.9987	1.0000
0.150	0.9645	0.9793	0.9982	0.9999
0.175	0.9546	0.9733	0.9976	0.9999
0.200	0.9438	0.9666	0.9969	0.9999
0.225	0.9320	0.9591	0.9961	0.9999
0.250	0.9193	0.9509	0.9952	0.9998
0.275	0.9056	0.9420	0.9942	0.9998
0.300	0.8910	0.9322	0.9930	0.9997
0.325	0.8754	0.9215	0.9916	0.9997
0.350	0.8588	0.9100	0.9901	0.9996
0.375	0.8413	0.8976	0.9883	0.9995
0.400	0.8228	0.8842	0.9862	0.9995
0.425	0.8033	0.8697	0.9839	0.9993
0.450	0.7828	0.8542	0.9812	0.9992
0.475	0.7612	0.8375	0.9781	0.9991
0.500	0.7387	0.8197	0.9746	0.9989
0.525	0.7151	0.8006	0.9705	0.9987
0.550	0.6905	0.7801	0.9658	0.9984
0.575	0.6649	0.7583	0.9604	0.9981
0.600	0.6383	0.7350	0.9540	0.9977
0.625	0.6106	0.7102	0.9466	0.9972
0.650	0.5819	0.6837	0.9379	0.9966
0.675	0.5522	0.6556	0.9276	0.9959
0.700	0.5127	0.6257	0.9155	0.9949
0.725	0.4700	0.5940	0.9010	0.9936
0.750	0.4257	0.5554	0.8836	0.9919
0.775	0.3800	0.5072	0.8625	0.9895
0.800	0.3331	0.4555	0.8370	0.9863
0.825	0.2854	0.4004	0.8056	0.9816
0.850	0.2371	0.3419	0.7668	0.9746
0.875	0.1890	0.2805	0.7183	0.9636
0.900	0.1418	0.2170	0.6572	0.9453
0.925	0.0967	0.1528	0.5493	0.9123
0.950	0.0552	0.0904	0.3998	0.8455
0.975	0.0205	0.0348	0.1988	0.6843
1.000	0.0000	0.0000	0.0000	0.0000

125

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*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D=   15.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	-82.00	-80.00	-70.00	-60.00	-50.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.4119	0.8516	0.9738	0.9842	0.9879
0.050	0.1899	0.6830	0.9309	0.9572	0.9668
0.075	0.1029	0.5448	0.8816	0.9246	0.9408
0.100	0.0620	0.4367	0.8297	0.8885	0.9115
0.125	0.0403	0.3528	0.7771	0.8503	0.8798
0.150	0.0276	0.2875	0.7251	0.8109	0.8465
0.175	0.0197	0.2361	0.6745	0.7709	0.8120
0.200	0.0145	0.1954	0.6258	0.7307	0.7767
0.225	0.0109	0.1627	0.5792	0.6907	0.7410
0.250	0.0084	0.1363	0.5349	0.6512	0.7051
0.275	0.0066	0.1148	0.4929	0.6124	0.6692
0.300	0.0052	0.0971	0.4532	0.5745	0.6335
0.325	0.0042	0.0824	0.4159	0.5376	0.5981
0.350	0.0034	0.0701	0.3809	0.5017	0.5632
0.375	0.0028	0.0599	0.3480	0.4669	0.5289
0.400	0.0023	0.0512	0.3172	0.4334	0.4952
0.425	0.0019	0.0439	0.2885	0.4010	0.4622
0.450	0.0016	0.0376	0.2616	0.3699	0.4301
0.475	0.0013	0.0322	0.2366	0.3401	0.3987
0.500	0.0011	0.0276	0.2132	0.3116	0.3683
0.525	0.0009	0.0237	0.1915	0.2843	0.3388
0.550	0.0008	0.0203	0.1714	0.2583	0.3103
0.575	0.0006	0.0173	0.1527	0.2336	0.2829
0.600	0.0005	0.0147	0.1353	0.2101	0.2564
0.625	0.0004	0.0125	0.1193	0.1878	0.2310
0.650	0.0004	0.0106	0.1045	0.1668	0.2067
0.675	0.0003	0.0089	0.0909	0.1470	0.1835
0.700	0.0002	0.0074	0.0783	0.1284	0.1615
0.725	0.0002	0.0061	0.0668	0.1110	0.1406
0.750	0.0002	0.0050	0.0563	0.0947	0.1208
0.775	0.0001	0.0040	0.0468	0.0796	0.1023
0.800	0.0001	0.0032	0.0382	0.0657	0.0850
0.825	0.0001	0.0025	0.0304	0.0530	0.0690
0.850	0.0001	0.0019	0.0235	0.0414	0.0543
0.875	0.0000	0.0014	0.0174	0.0310	0.0409
0.900	0.0000	0.0009	0.0121	0.0219	0.0290
0.925	0.0000	0.0006	0.0077	0.0140	0.0187
0.950	0.0000	0.0003	0.0041	0.0075	0.0101
0.975	0.0000	0.0001	0.0014	0.0026	0.0035
1.000	-0.	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE PENUMBRA ***
*** OF A DIFFUSE SKIRT WITH THE REFLECTANCE = 0. ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D1/D2 = 1.00

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	-40.00	-30.00	-20.00	-10.00	-0.
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9899	0.9911	0.9920	0.9927	0.9933
0.050	0.9719	0.9752	0.9777	0.9796	0.9813
0.075	0.9496	0.9553	0.9595	0.9629	0.9659
0.100	0.9241	0.9324	0.9385	0.9436	0.9479
0.125	0.8962	0.9071	0.9153	0.9220	0.9278
0.150	0.8666	0.8800	0.8902	0.8985	0.9059
0.175	0.8355	0.8515	0.8635	0.8735	0.8824
0.200	0.8035	0.8217	0.8356	0.8472	0.8575
0.225	0.7706	0.7910	0.8067	0.8197	0.8314
0.250	0.7372	0.7596	0.7768	0.7913	0.8043
0.275	0.7035	0.7276	0.7462	0.7620	0.7762
0.300	0.6696	0.6951	0.7151	0.7320	0.7474
0.325	0.6357	0.6624	0.6835	0.7014	0.7178
0.350	0.6019	0.6296	0.6516	0.6704	0.6877
0.375	0.5682	0.5967	0.6194	0.6390	0.6570
0.400	0.5349	0.5639	0.5872	0.6073	0.6259
0.425	0.5020	0.5313	0.5549	0.5754	0.5945
0.450	0.4696	0.4989	0.5227	0.5435	0.5629
0.475	0.4377	0.4669	0.4906	0.5115	0.5311
0.500	0.4065	0.4352	0.4588	0.4796	0.4992
0.525	0.3759	0.4040	0.4273	0.4479	0.4674
0.550	0.3461	0.3734	0.3961	0.4164	0.4356
0.575	0.3171	0.3434	0.3654	0.3852	0.4040
0.600	0.2889	0.3141	0.3353	0.3543	0.3726
0.625	0.2616	0.2855	0.3057	0.3240	0.3416
0.650	0.2353	0.2578	0.2769	0.2942	0.3110
0.675	0.2099	0.2309	0.2487	0.2650	0.2809
0.700	0.1856	0.2049	0.2214	0.2366	0.2514
0.725	0.1624	0.1799	0.1950	0.2090	0.2226
0.750	0.1403	0.1560	0.1696	0.1822	0.1947
0.775	0.1193	0.1332	0.1453	0.1565	0.1676
0.800	0.0996	0.1116	0.1221	0.1319	0.1417
0.825	0.0812	0.0913	0.1002	0.1086	0.1169
0.850	0.0642	0.0724	0.0797	0.0866	0.0935
0.875	0.0486	0.0551	0.0608	0.0662	0.0717
0.900	0.0346	0.0394	0.0436	0.0476	0.0517
0.925	0.0224	0.0255	0.0284	0.0311	0.0338
0.950	0.0121	0.0139	0.0155	0.0170	0.0186
0.975	0.0043	0.0049	0.0055	0.0060	0.0066
1.000	0.0000	0.0000	0.0000	0.0000	0.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

124

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.0899	0.9913
0.050	0.	0.	0.	0.	0.9736
0.075	0.	0.	0.	0.	0.9480
0.100	0.	0.	0.	0.	0.9480
0.125	0.	0.	0.	0.	0.9137
0.150	0.	0.	0.	0.	0.8698
0.175	0.	0.	0.	0.	0.8149
0.200	0.	0.	0.	0.	0.7474
0.225	0.	0.	0.	0.	0.6653
0.250	0.	0.	0.	0.	0.5669
0.275	0.	0.	0.	0.	0.4508
0.300	0.	0.	0.	0.	0.3172
0.325	0.	0.	0.	0.	0.1716
0.350	0.	0.	0.	0.	0.0355
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.0216	0.0787	0.1958	0.4590	0.9918
0.050	0.	0.	0.	0.	0.9750
0.075	0.	0.	0.	0.	0.9508
0.100	0.	0.	0.	0.	0.9187
0.125	0.	0.	0.	0.	0.8777
0.150	0.	0.	0.	0.	0.8266
0.175	0.	0.	0.	0.	0.7640
0.200	0.	0.	0.	0.	0.6883
0.225	0.	0.	0.	0.	0.5976
0.250	0.	0.	0.	0.	0.4906
0.275	0.	0.	0.	0.	0.3670
0.300	0.	0.	0.	0.	0.2293
0.325	0.	0.	0.	0.	0.0891
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

132

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.3761	0.3897	0.4037	0.4192	0.4374
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.3761	0.3521	0.3468	0.3288	0.3059
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.4608	0.4941	0.5494	0.6684	0.9922
0.050	0.	0.	0.0268	0.1944	0.9766
0.075	0.	0.	0.	0.	0.9540
0.100	0.	0.	0.	0.	0.9241
0.125	0.	0.	0.	0.	0.8862
0.150	0.	0.	0.	0.	0.8392
0.175	0.	0.	0.	0.	0.7818
0.200	0.	0.	0.	0.	0.7127
0.225	0.	0.	0.	0.	0.6302
0.250	0.	0.	0.	0.	0.5330
0.275	0.	0.	0.	0.	0.4203
0.300	0.	0.	0.	0.	0.2930
0.325	0.	0.	0.	0.	0.1568
0.350	0.	0.	0.	0.	0.0320
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.2736	0.2210	0.1136	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

134

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R = 20.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9609	0.9611	0.9614	0.9616	0.9619
0.050	0.8924	0.8930	0.8935	0.8942	0.8950
0.075	0.8079	0.8088	0.8098	0.8108	0.8121
0.100	0.7132	0.7144	0.7157	0.7172	0.7190
0.125	0.6121	0.6136	0.6153	0.6171	0.6194
0.150	0.5079	0.5097	0.5116	0.5137	0.5163
0.175	0.4035	0.4054	0.4075	0.4098	0.4126
0.200	0.3018	0.3037	0.3058	0.3082	0.3111
0.225	0.2059	0.2078	0.2098	0.2121	0.2149
0.250	0.1195	0.1212	0.1230	0.1251	0.1277
0.275	0.0481	0.0494	0.0508	0.0525	0.0545
0.300	0.0023	0.0029	0.0035	0.0042	0.0051
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.0023	0.0019	0.0014	0.0009	0.0004
0.725	0.0481	0.0468	0.0454	0.0438	0.0419
0.750	0.1195	0.1178	0.1160	0.1140	0.1115
0.775	0.2059	0.2040	0.2019	0.1997	0.1969
0.800	0.3018	0.2998	0.2977	0.2954	0.2925
0.825	0.4035	0.4016	0.3996	0.3973	0.3944
0.850	0.5079	0.5062	0.5043	0.5021	0.4995
0.875	0.6121	0.6106	0.6089	0.6071	0.6048
0.900	0.7132	0.7119	0.7106	0.7091	0.7072
0.925	0.8079	0.8070	0.8061	0.8050	0.8036
0.950	0.8924	0.8919	0.8913	0.8906	0.8898
0.975	0.9609	0.9607	0.9605	0.9602	0.9599
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R =00.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9623	0.9629	0.9641	0.9671	0.9958
0.050	0.8960	0.8976	0.9005	0.9084	0.9876
0.075	0.8139	0.8165	0.8214	0.8348	0.9761
0.100	0.7214	0.7251	0.7319	0.7506	0.9616
0.125	0.6224	0.6269	0.6354	0.6589	0.9438
0.150	0.5197	0.5250	0.5349	0.5624	0.9226
0.175	0.4164	0.4221	0.4329	0.4634	0.8977
0.200	0.3150	0.3210	0.3322	0.3643	0.8689
0.225	0.2187	0.2246	0.2356	0.2677	0.8357
0.250	0.1311	0.1365	0.1467	0.1767	0.7978
0.275	0.0573	0.0616	0.0699	0.0955	0.7547
0.300	0.0064	0.0087	0.0135	0.0305	0.7059
0.325	0.	0.	0.	0.	0.6511
0.350	0.	0.	0.	0.	0.5897
0.375	0.	0.	0.	0.	0.5213
0.400	0.	0.	0.	0.	0.4459
0.425	0.	0.	0.	0.	0.3636
0.450	0.	0.	0.	0.	0.2753
0.475	0.	0.	0.	0.	0.1833
0.500	0.	0.	0.	0.	0.0929
0.525	0.	0.	0.	0.	0.0174
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.0000	0.	0.	0.	0.
0.725	0.0394	0.0357	0.0289	0.0124	0.
0.750	0.1082	0.1031	0.0938	0.0683	0.
0.775	0.1931	0.1873	0.1766	0.1463	0.
0.800	0.2885	0.2825	0.2712	0.2387	0.
0.825	0.3906	0.3846	0.3735	0.3409	0.
0.850	0.4959	0.4904	0.4800	0.4493	0.
0.875	0.6017	0.5968	0.5877	0.5604	0.
0.900	0.7047	0.7008	0.6933	0.6709	0.
0.925	0.8018	0.7989	0.7934	0.7769	0.
0.950	0.8887	0.8870	0.8836	0.8735	0.0893
0.975	0.9595	0.9588	0.9575	0.9535	0.4080
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9687	0.9688	0.9690	0.9692	0.9694
0.050	0.9134	0.9138	0.9142	0.9147	0.9153
0.075	0.8447	0.8454	0.8461	0.8469	0.8479
0.100	0.7670	0.7679	0.7689	0.7700	0.8479
0.125	0.6830	0.6842	0.6854	0.6868	0.7714
0.150	0.5951	0.5965	0.5980	0.5996	0.6886
0.175	0.5053	0.5069	0.5085	0.5103	0.6017
0.200	0.4153	0.4170	0.4187	0.4207	0.5126
0.225	0.3271	0.3288	0.3306	0.3326	0.4231
0.250	0.2426	0.2442	0.2460	0.2480	0.3351
0.275	0.1640	0.1655	0.1671	0.1690	0.2504
0.300	0.0940	0.0954	0.0968	0.0984	0.1713
0.325	0.0369	0.0379	0.0389	0.0402	0.1004
0.350	0.0013	0.0016	0.0020	0.0025	0.0417
0.375	0.	0.	0.	0.	0.0031
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.0013	0.0010	0.0007	0.0004	0.0001
0.675	0.0369	0.0359	0.0348	0.0337	0.0322
0.700	0.0940	0.0927	0.0913	0.0897	0.0878
0.725	0.1640	0.1624	0.1608	0.1590	0.1567
0.750	0.2426	0.2409	0.2392	0.2372	0.2348
0.775	0.3271	0.3254	0.3237	0.3216	0.3191
0.800	0.4153	0.4137	0.4119	0.4099	0.4075
0.825	0.5053	0.5037	0.5021	0.5002	0.4979
0.850	0.5951	0.5937	0.5922	0.5906	0.5885
0.875	0.6830	0.6818	0.6805	0.6791	0.6773
0.900	0.7670	0.7660	0.7650	0.7639	0.7625
0.925	0.8447	0.8441	0.8433	0.8425	0.8415
0.950	0.9134	0.9130	0.9126	0.9121	0.9115
0.975	0.9687	0.9685	0.9684	0.9682	0.9679
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9697	0.9702	0.9710	0.9732	0.9962
0.050	0.9161	0.9173	0.9194	0.9253	0.9887
0.075	0.8492	0.8512	0.8548	0.8649	0.9783
0.100	0.7732	0.7760	0.7812	0.7954	0.9652
0.125	0.6909	0.6944	0.7010	0.7192	0.9493
0.150	0.6044	0.6086	0.6163	0.6380	0.9303
0.175	0.5156	0.5203	0.5290	0.5535	0.9082
0.200	0.4264	0.4314	0.4408	0.4673	0.6827
0.225	0.3385	0.3436	0.3533	0.3810	0.8535
0.250	0.2538	0.2588	0.2684	0.2961	0.8202
0.275	0.1744	0.1792	0.1882	0.2148	0.7826
0.300	0.1031	0.1073	0.1154	0.1394	0.7403
0.325	0.0438	0.0471	0.0534	0.0731	0.6928
0.350	0.0040	0.0056	0.0090	0.0213	0.6397
0.375	0.	0.	0.	0.	0.5808
0.400	0.	0.	0.	0.	0.5157
0.425	0.	0.	0.	0.	0.4443
0.450	0.	0.	0.	0.	0.3668
0.475	0.	0.	0.	0.	0.2839
0.500	0.	0.	0.	0.	0.1974
0.525	0.	0.	0.	0.	0.1113
0.550	0.	0.	0.	0.	0.0347
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.0304	0.0275	0.0225	0.	0.
0.700	0.0852	0.0813	0.0741	0.0102	0.
0.725	0.1537	0.1491	0.1405	0.0546	0.
0.750	0.2315	0.2265	0.2171	0.1166	0.
0.775	0.3158	0.3106	0.3009	0.1906	0.
0.800	0.4042	0.3991	0.3895	0.2731	0.
0.825	0.4946	0.4900	0.3895	0.3618	0.
0.850	0.5857	0.5813	0.4809	0.4544	0.
0.875	0.6749	0.6712	0.5731	0.5489	0.
0.900	0.7506	0.7576	0.6642	0.6432	0.0116
0.925	0.8401	0.8360	0.7520	0.7351	0.0733
0.950	0.9107	0.9094	0.8340	0.8217	0.1912
0.975	0.9576	0.9671	0.9070	0.8996	0.3865
1.000	1.0000	1.0000	0.9662	0.9633	0.6825

⁂⁂⁂ RELATIVE ENERGY FLUX DENSITY IN THE ⁂⁂⁂
⁂⁂⁂ PENUMBRA OF A RECTANGULAR CYLINDER ⁂⁂⁂

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ⁂⁂⁂	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.1005	0.9914
0.050	0.	0.	0.	0.	0.9738
0.075	0.	0.	0.	0.	0.9483
0.100	0.	0.	0.	0.	0.9144
0.125	0.	0.	0.	0.	0.8709
0.150	0.	0.	0.	0.	0.8165
0.175	0.	0.	0.	0.	0.7496
0.200	0.	0.	0.	0.	0.6684
0.225	0.	0.	0.	0.	0.5710
0.250	0.	0.	0.	0.	0.4545
0.275	0.	0.	0.	0.	0.3202
0.300	0.	0.	0.	0.	0.1735
0.325	0.	0.	0.	0.	0.0359
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R = 5.00 AND h/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY....... D2/R = 5.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.0234	0.0867	0.2139	0.4873	0.9918
0.050	0.	0.	0.	0.	0.9752
0.075	0.	0.	0.	0.	0.9512
0.100	0.	0.	0.	0.	0.9193
0.125	0.	0.	0.	0.	0.8786
0.150	0.	0.	0.	0.	0.8280
0.175	0.	0.	0.	0.	0.7660
0.200	0.	0.	0.	0.	0.6909
0.225	0.	0.	0.	0.	0.6011
0.250	0.	0.	0.	0.	0.4942
0.275	0.	0.	0.	0.	0.3700
0.300	0.	0.	0.	0.	0.2314
0.325	0.	0.	0.	0.	0.0900
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

142

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.4009	0.4149	0.4293	0.4451	0.4636
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.4009	0.3465	0.3707	0.3521	0.3283
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.4873	0.5193	0.5706	0.6817	1.0000
0.050	0.	0.	0.0274	0.2024	0.9923
0.075	0.	0.	0.0274	0.2024	0.9767
0.100	0.	0.	0.	0.	0.9543
0.125	0.	0.	0.	0.	0.9246
0.150	0.	0.	0.	0.	0.8869
0.175	0.	0.	0.	0.	0.8403
0.200	0.	0.	0.	0.	0.7834
0.225	0.	0.	0.	0.	0.7149
0.250	0.	0.	0.	0.	0.6332
0.275	0.	0.	0.	0.	0.5365
0.300	0.	0.	0.	0.	0.4233
0.325	0.	0.	0.	0.	0.2953
0.350	0.	0.	0.	0.	0.1581
0.375	0.	0.	0.	0.	0.0321
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.2944	0.2388	0.1234	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

144

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***
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SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9611	0.9613	0.9616	0.9618	0.9621
0.050	0.8930	0.8935	0.8941	0.8947	0.8955
0.075	0.8089	0.8098	0.8107	0.8118	0.8131
0.100	0.7145	0.7158	0.7171	0.7185	0.7203
0.125	0.6139	0.6154	0.6170	0.6189	0.6211
0.150	0.5101	0.5119	0.5137	0.5158	0.5184
0.175	0.4051	0.4070	0.4090	0.4114	0.4142
0.200	0.3026	0.3046	0.3067	0.3091	0.3120
0.225	0.2061	0.2080	0.2100	0.2123	0.2152
0.250	0.1192	0.1209	0.1227	0.1248	0.1274
0.275	0.0474	0.0487	0.0502	0.0518	0.0538
0.300	0.0020	0.0024	0.0030	0.0037	0.0046
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.0020	0.0015	0.0011	0.0006	0.0002
0.725	0.0474	0.0461	0.0447	0.0431	0.0412
0.750	0.1192	0.1175	0.1156	0.1136	0.1111
0.775	0.2061	0.2041	0.2021	0.1998	0.1970
0.800	0.3026	0.3007	0.2986	0.2962	0.2933
0.825	0.4051	0.4032	0.4011	0.3988	0.3959
0.850	0.5101	0.5083	0.5065	0.5043	0.5017
0.875	0.6139	0.6124	0.6107	0.6089	0.6066
0.900	0.7145	0.7133	0.7120	0.7105	0.7086
0.925	0.8089	0.8080	0.8070	0.8059	0.8046
0.950	0.8930	0.8924	0.8918	0.8912	0.8904
0.975	0.9611	0.9609	0.9607	0.9604	0.9601
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9625	0.9631	0.9642	0.9672	0.9958
0.050	0.8965	0.8951	0.9010	0.9089	0.9876
0.075	0.8148	0.8174	0.8223	0.8355	0.9762
0.100	0.7227	0.7264	0.7331	0.7517	0.9617
0.125	0.6241	0.6286	0.6371	0.6605	0.9439
0.150	0.5219	0.5271	0.5369	0.5643	0.9228
0.175	0.4180	0.4238	0.4346	0.4653	0.8980
0.200	0.3160	0.3220	0.3333	0.3655	0.8692
0.225	0.2190	0.2249	0.2360	0.2683	0.8361
0.250	0.1309	0.1362	0.1465	0.1767	0.7983
0.275	0.0566	0.0609	0.0693	0.0950	0.7553
0.300	0.0059	0.0081	0.0128	0.0298	0.7068
0.325	0.	0.	0.	0.	0.6521
0.350	0.	0.	0.	0.	0.5909
0.375	0.	0.	0.	0.	0.5225
0.400	0.	0.	0.	0.	0.4468
0.425	0.	0.	0.	0.	0.3642
0.450	0.	0.	0.	0.	0.2755
0.475	0.	0.	0.	0.	0.1832
0.500	0.	0.	0.	0.	0.0924
0.525	0.	0.	0.	0.	0.0168
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.0387	0.0350	0.0282	0.0117	0.
0.750	0.1077	0.1027	0.0933	0.0677	0.
0.775	0.1932	0.1874	0.1766	0.1461	0.
0.800	0.2893	0.2833	0.2719	0.2392	0.
0.825	0.3921	0.3861	0.3749	0.3422	0.
0.850	0.4982	0.4926	0.4822	0.4513	0.
0.875	0.6035	0.5987	0.5896	0.5625	0.
0.900	0.7061	0.7022	0.6948	0.6725	0.
0.925	0.8027	0.7999	0.7945	0.7780	0.
0.950	0.8893	0.8875	0.8842	0.8742	0.0883
0.975	0.9597	0.9590	0.9577	0.9537	0.4169
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY .....,.. D2/R =25.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9688	0.9690	0.9691	0.9693	0.9695
0.050	0.9137	0.9141	0.9146	0.9150	0.9156
0.075	0.8453	0.8460	0.8467	0.8475	0.8484
0.100	0.7578	0.7587	0.7697	0.7708	0.7722
0.125	0.6841	0.6853	0.6865	0.6879	0.6897
0.150	0.5965	0.5979	0.5993	0.6010	0.6030
0.175	0.5069	0.5084	0.5101	0.5119	0.5142
0.200	0.4165	0.4182	0.4199	0.4219	0.4244
0.225	0.3278	0.3295	0.3313	0.3333	0.3358
0.250	0.2426	0.2444	0.2462	0.2482	0.2507
0.275	0.1637	0.1653	0.1669	0.1688	0.1711
0.300	0.0935	0.0948	0.0962	0.0979	0.0999
0.325	0.0362	0.0372	0.0383	0.0395	0.0410
0.350	0.0010	0.0013	0.0017	0.0021	0.0027
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.0010	0.0007	0.0004	0.0002	0.0000
0.675	0.0362	0.0352	0.0342	0.0330	0.0316
0.700	0.0935	0.0921	0.0907	0.0891	0.0872
0.725	0.1637	0.1622	0.1606	0.1587	0.1564
0.750	0.2428	0.2411	0.2394	0.2374	0.2349
0.775	0.3278	0.3261	0.3243	0.3223	0.3198
0.800	0.4165	0.4149	0.4131	0.4111	0.4086
0.825	0.5069	0.5054	0.5037	0.5019	0.4996
0.850	0.5965	0.5951	0.5936	0.5920	0.5899
0.875	0.6841	0.6829	0.6817	0.6802	0.6785
0.900	0.7578	0.7669	0.7659	0.7647	0.7633
0.925	0.8453	0.8446	0.8439	0.8431	0.8421
0.950	0.9137	0.9133	0.9129	0.9124	0.9118
0.975	0.9688	0.9686	0.9685	0.9683	0.9681
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9698	0.9703	0.9711	0.9733	0.9962
0.050	0.9164	0.9176	0.9197	0.9256	0.9887
0.075	0.8497	0.8517	0.8554	0.8654	0.9784
0.100	0.7740	0.7768	0.7819	0.7961	0.9653
0.125	0.6920	0.6955	0.7020	0.7201	0.9494
0.150	0.6057	0.6099	0.6176	0.6392	0.9305
0.175	0.5172	0.5219	0.5305	0.5550	0.9084
0.200	0.4276	0.4327	0.4420	0.4687	0.8829
0.225	0.3392	0.3444	0.3541	0.3819	0.8538
0.250	0.2540	0.2591	0.2687	0.2966	0.8206
0.275	0.1742	0.1790	0.1861	0.2148	0.7831
0.300	0.1026	0.1068	0.1149	0.1390	0.7408
0.325	0.0431	0.0464	0.0528	0.0725	0.6935
0.350	0.0036	0.0051	0.0084	0.0207	0.6406
0.375	0.	0.	0.	0.	0.5818
0.400	0.	0.	0.	0.	0.5166
0.425	0.	0.	0.	0.	0.4450
0.450	0.	0.	0.	0.	0.3672
0.475	0.	0.	0.	0.	0.2840
0.500	0.	0.	0.	0.	0.1972
0.525	0.	0.	0.	0.	0.1108
0.550	0.	0.	0.	0.	0.0340
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.0297	0.0269	0.0219	0.0096	0.
0.700	0.0846	0.0807	0.0734	0.0539	0.
0.725	0.1534	0.1488	0.1402	0.1162	0.
0.750	0.2316	0.2266	0.2172	0.1905	0.
0.775	0.3164	0.3112	0.3015	0.2735	0.
0.800	0.4053	0.4002	0.3906	0.3627	0.
0.825	0.4964	0.4916	0.4825	0.4559	0.
0.850	0.5871	0.5828	0.5746	0.5505	0.
0.875	0.6761	0.6724	0.6654	0.6445	0.
0.900	0.7614	0.7585	0.7529	0.7361	0.0108
0.925	0.8407	0.8386	0.8346	0.8224	0.0725
0.950	0.9110	0.9098	0.9073	0.9000	0.1916
0.975	0.9678	0.9673	0.9663	0.9635	0.3901
1.000	1.0000	1.0000	1.0000	1.0000	0.6855
					1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.1134	0.9914
0.050	0.	0.	0.	0.	0.9740
0.075	0.	0.	0.	0.	0.9487
0.100	0.	0.	0.	0.	0.9150
0.125	0.	0.	0.	0.	0.8719
0.150	0.	0.	0.	0.	0.8180
0.175	0.	0.	0.	0.	0.7518
0.200	0.	0.	0.	0.	0.6714
0.225	0.	0.	0.	0.	0.5750
0.250	0.	0.	0.	0.	0.4582
0.275	0.	0.	0.	0.	0.3232
0.300	0.	0.	0.	0.	0.1753
0.325	0.	0.	0.	0.	0.0364
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, Γ=   0.50 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.0257	0.0965	0.2350	0.5162	0.9919
0.050	0.	0.	0.	0.	0.9754
0.075	0.	0.	0.	0.	0.9515
0.100	0.	0.	0.	0.	0.9198
0.125	0.	0.	0.	0.	0.8795
0.150	0.	0.	0.	0.	0.8293
0.175	0.	0.	0.	0.	0.7678
0.200	0.	0.	0.	0.	0.6935
0.225	0.	0.	0.	0.	0.6046
0.250	0.	0.	0.	0.	0.4979
0.275	0.	0.	0.	0.	0.3730
0.300	0.	0.	0.	0.	0.2335
0.325	0.	0.	0.	0.	0.0908
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.4288	0.4431	0.4577	0.4738	0.4926
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.4288	0.4140	0.3977	0.3784	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.3536

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.5139	0.5425	0.5902	0.6940	0.9923
0.050	0.	0.	0.0281	0.2110	0.9768
0.075	0.	0.	0.	0.	0.9545
0.100	0.	0.	0.	0.	0.9251
0.125	0.	0.	0.	0.	0.8877
0.150	0.	0.	0.	0.	0.8414
0.175	0.	0.	0.	0.	0.7850
0.200	0.	0.	0.	0.	0.7171
0.225	0.	0.	0.	0.	0.6361
0.250	0.	0.	0.	0.	0.5399
0.275	0.	0.	0.	0.	0.4263
0.300	0.	0.	0.	0.	0.2976
0.325	0.	0.	0.	0.	0.1593
0.350	0.	0.	0.	0.	0.0323
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.3183	0.2594	0.1349	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9513	0.9615	0.9617	0.9620	0.9623
0.050	0.8935	0.8940	0.8946	0.8952	0.8960
0.075	0.8098	0.8107	0.8116	0.8127	0.8140
0.100	0.7159	0.7171	0.7184	0.7199	0.7217
0.125	0.6157	0.6172	0.6188	0.6206	0.6228
0.150	0.5123	0.5140	0.5158	0.5179	0.5205
0.175	0.4067	0.4086	0.4107	0.4130	0.4158
0.200	0.3035	0.3055	0.3076	0.3100	0.3129
0.225	0.2062	0.2082	0.2102	0.2125	0.2154
0.250	0.1188	0.1205	0.1224	0.1245	0.1271
0.275	0.0467	0.0481	0.0495	0.0511	0.0532
0.300	0.0016	0.0020	0.0026	0.0032	0.0041
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.0016	0.0012	0.0008	0.0004	0.0001
0.725	0.0467	0.0454	0.0440	0.0424	0.0405
0.750	0.1188	0.1171	0.1153	0.1132	0.1107
0.775	0.2062	0.2043	0.2023	0.2000	0.1971
0.800	0.3035	0.3015	0.2994	0.2970	0.2941
0.825	0.4067	0.4048	0.4027	0.4004	0.3975
0.850	0.5123	0.5105	0.5087	0.5065	0.5039
0.875	0.6157	0.6142	0.6125	0.6107	0.6084
0.900	0.7159	0.7147	0.7134	0.7119	0.7100
0.925	0.8098	0.8089	0.8080	0.8069	0.8055
0.950	0.8935	0.8929	0.8924	0.8917	0.8909
0.975	0.9513	0.9611	0.9609	0.9606	0.9603
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9627	0.9633	0.9644	0.9674	0.9958
0.050	0.8970	0.8986	0.9015	0.9093	0.9876
0.075	0.8157	0.8183	0.8231	0.8363	0.9762
0.100	0.7240	0.7277	0.7344	0.7528	0.9617
0.125	0.6258	0.6303	0.6387	0.6620	0.9440
0.150	0.5239	0.5292	0.5389	0.5662	0.9230
0.175	0.4197	0.4255	0.4364	0.4671	0.8982
0.200	0.3169	0.3230	0.3343	0.3667	0.8695
0.225	0.2193	0.2252	0.2364	0.2688	0.8365
0.250	0.1306	0.1360	0.1463	0.1767	0.7988
0.275	0.0560	0.0603	0.0687	0.0945	0.7560
0.300	0.0054	0.0075	0.0122	0.0291	0.7076
0.325	0.	0.	0.	0.	0.6531
0.350	0.	0.	0.	0.	0.5920
0.375	0.	0.	0.	0.	0.5236
0.400	0.	0.	0.	0.	0.5236
0.425	0.	0.	0.	0.	0.4477
0.450	0.	0.	0.	0.	0.3648
0.475	0.	0.	0.	0.	0.2758
0.500	0.	0.	0.	0.	0.1830
0.525	0.	0.	0.	0.	0.0919
0.550	0.	0.	0.	0.	0.0162
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.0380	0.0343	0.0275	0.0111	0.
0.750	0.1073	0.1022	0.0928	0.0670	0.
0.775	0.1935	0.1875	0.1766	0.1460	0.
0.800	0.2901	0.2840	0.2726	0.2397	0.
0.825	0.3936	0.3876	0.3763	0.3434	0.
0.850	0.5004	0.4949	0.4844	0.4533	0.
0.875	0.6053	0.6006	0.5915	0.5645	0.
0.900	0.7075	0.7037	0.6963	0.6741	0.
0.925	0.8037	0.8009	0.7955	0.7792	0.
0.950	0.8898	0.8851	0.8848	0.8748	0.0874
0.975	0.9599	0.9592	0.9579	0.9540	0.4262
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9689	0.9691	0.9692	0.9694	0.9696
0.050	0.9141	0.9145	0.9149	0.9154	0.9159
0.075	0.8459	0.8465	0.8472	0.8480	0.8490
0.100	0.7686	0.7696	0.7705	0.7716	0.7730
0.125	0.6852	0.6864	0.6876	0.6890	0.6907
0.150	0.5979	0.5992	0.6007	0.6023	0.6044
0.175	0.5085	0.5100	0.5117	0.5135	0.5158
0.200	0.4177	0.4194	0.4211	0.4231	0.4256
0.225	0.3295	0.3302	0.3320	0.3340	0.3366
0.250	0.2430	0.2446	0.2464	0.2484	0.2509
0.275	0.1635	0.1650	0.1667	0.1686	0.1709
0.300	0.0929	0.0943	0.0957	0.0973	0.0994
0.325	0.0355	0.0365	0.0376	0.0388	0.0404
0.350	0.0007	0.0010	0.0013	0.0018	0.0023
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.0007	0.0004	0.0002	0.0000	0.
0.675	0.0355	0.0345	0.0335	0.0323	0.0309
0.700	0.0929	0.0916	0.0902	0.0886	0.0866
0.725	0.1635	0.1620	0.1603	0.1584	0.1562
0.750	0.2430	0.2413	0.2395	0.2375	0.1562
0.775	0.3285	0.3268	0.2395	0.2375	0.2351
0.800	0.4177	0.4161	0.3250	0.3229	0.3204
0.825	0.5085	0.5070	0.4143	0.4123	0.4098
0.850	0.5979	0.5965	0.5053	0.5035	0.5012
0.875	0.6852	0.6840	0.5950	0.5933	0.5913
0.900	0.7686	0.7677	0.6828	0.6814	0.6796
0.925	0.8459	0.8452	0.7667	0.7656	0.7642
0.950	0.9141	0.9137	0.8445	0.8437	0.8427
0.975	0.9689	0.9688	0.9132	0.9128	0.9122
1.000	1.0000	1.0000	0.9666	0.9684	0.9682
			1.0000	1.0000	1.0000

157

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R = 25.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	Q
0.025	0.9699	0.9704	0.9712	0.9734	1.0000
0.050	0.9167	0.9179	0.9200	0.9259	0.9962
0.075	0.8503	0.8523	0.9200	0.9259	0.9887
0.100	0.7748	0.7776	0.8559	0.8659	0.9784
0.125	0.6930	0.6965	0.7827	0.7968	0.9653
0.150	0.6071	0.6112	0.7030	0.7211	0.9494
0.175	0.5188	0.5234	0.6189	0.6404	0.9306
0.200	0.4249	0.4339	0.5321	0.5564	0.9086
0.225	0.3399	0.3451	0.4433	0.4701	0.8832
0.250	0.2543	0.2594	0.3549	0.3828	0.8541
0.275	0.1740	0.1789	0.2691	0.2971	0.8210
0.300	0.1021	0.1063	0.1880	0.2149	0.7836
0.325	0.0425	0.0457	0.1144	0.1387	0.7414
0.350	0.0032	0.0047	0.0521	0.0719	0.6942
0.375	0.	0.	0.0079	0.0200	0.6414
0.400	0.	0.	0.	0.	0.5828
0.425	0.	0.	0.	0.	0.5175
0.450	0.	0.	0.	0.	0.4457
0.475	0.	0.	0.	0.	0.3676
0.500	0.	0.	0.	0.	0.2841
0.525	0.	0.	0.	0.	0.1970
0.550	0.	0.	0.	0.	0.1102
0.575	0.	0.	0.	0.	0.0333
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.0290	0.0262	0.0212	0.0090	0.
0.700	0.0840	0.0801	0.0728	0.0532	0.
0.725	0.1531	0.1465	0.1398	0.1157	0.
0.750	0.2318	0.2267	0.1398	0.1157	0.
0.775	0.3170	0.3118	0.2173	0.1904	0.
0.800	0.4065	0.4013	0.3020	0.2739	0.
0.825	0.4981	0.4933	0.3917	0.3636	0.
0.850	0.5885	0.5842	0.4841	0.4574	0.
0.875	0.6772	0.6736	0.5761	0.5520	0.
0.900	0.7623	0.7594	0.6666	0.6458	0.0101
0.925	0.8413	0.8392	0.7538	0.7370	0.0717
0.950	0.9114	0.9101	0.8352	0.8231	0.1920
0.975	0.9679	0.9674	0.9077	0.9004	0.3937
1.000	1.0000	1.0000	0.9665	0.9636	0.6885
			1.0000	1.0000	1.0000

∞∞ RELATIVE ENERGY FLUX DENSITY IN THE ∞∞
∞∞ PENUMBRA OF A RECTANGULAR CYLINDER ∞∞

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ∞∞	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R = 1.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.1493	0.9915
0.050	0.	0.	0.	0.	0.9744
0.075	0.	0.	0.	0.	0.9494
0.100	0.	0.	0.	0.	0.9163
0.125	0.	0.	0.	0.	0.8739
0.150	0.	0.	0.	0.	0.8210
0.175	0.	0.	0.	0.	0.7560
0.200	0.	0.	0.	0.	0.6772
0.225	0.	0.	0.	0.	0.5828
0.250	0.	0.	0.	0.	0.4658
0.275	0.	0.	0.	0.	0.3293
0.300	0.	0.	0.	0.	0.1790
0.325	0.	0.	0.	0.	0.0372
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R = 5.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, L= 0.50 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.0320	0.1234	0.2900	0.5641	0.9920
0.050	0.	0.	0.	0.	0.9757
0.075	0.	0.	0.	0.	0.9521
0.100	0.	0.	0.	0.	0.9210
0.125	0.	0.	0.	0.	0.8812
0.150	0.	0.	0.	0.	0.8319
0.175	0.	0.	0.	0.	0.7715
0.200	0.	0.	0.	0.	0.7715
0.225	0.	0.	0.	0.	0.6985
0.250	0.	0.	0.	0.	0.6113
0.275	0.	0.	0.	0.	0.5052
0.300	0.	0.	0.	0.	0.3792
0.325	0.	0.	0.	0.	0.2378
0.350	0.	0.	0.	0.	0.0925
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, L= 0.50 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.4953	0.5068	0.5170	0.5284	0.5417
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.4953	0.4799	0.4629	0.4425	0.4160
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

163

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R =10.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.5590	0.5836	0.6250	0.7164	0.9924
0.050	0.	0.	0.0297	0.2303	0.9771
0.075	0.	0.	0.	0.	0.9551
0.100	0.	0.	0.	0.	0.9260
0.125	0.	0.	0.	0.	0.8892
0.150	0.	0.	0.	0.	0.8436
0.175	0.	0.	0.	0.	0.7881
0.200	0.	0.	0.	0.	0.7213
0.225	0.	0.	0.	0.	0.6417
0.250	0.	0.	0.	0.	0.5469
0.275	0.	0.	0.	0.	0.4325
0.300	0.	0.	0.	0.	0.3023
0.325	0.	0.	0.	0.	0.1619
0.350	0.	0.	0.	0.	0.0325
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.3776	0.3120	0.1659	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

164

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R =00.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9617	0.9619	0.9621	0.9624	0.9627
0.050	0.8945	0.8951	0.8956	0.8962	0.8970
0.075	0.8116	0.8125	0.8134	0.8145	0.8157
0.100	0.7186	0.7198	0.7210	0.7225	0.7242
0.125	0.6191	0.6206	0.6222	0.6240	0.6262
0.150	0.5165	0.5182	0.5201	0.5221	0.5247
0.175	0.4099	0.4119	0.4139	0.4163	0.4192
0.200	0.3053	0.3073	0.3094	0.3118	0.3148
0.225	0.2066	0.2086	0.2107	0.2130	0.2159
0.250	0.1181	0.1198	0.1217	0.1238	0.1264
0.275	0.0454	0.0467	0.0481	0.0498	0.0518
0.300	0.0009	0.0013	0.0018	0.0024	0.0032
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.0009	0.0006	0.0003	0.0000	0.
0.725	0.0454	0.0440	0.0426	0.0411	0.0391
0.750	0.1181	0.1163	0.1145	0.1124	0.1099
0.775	0.2066	0.2047	0.2026	0.2003	0.1974
0.800	0.3053	0.3033	0.3011	0.2987	0.2957
0.825	0.4099	0.4080	0.4059	0.4035	0.4006
0.850	0.5165	0.5148	0.5129	0.5108	0.5083
0.875	0.6191	0.6176	0.6160	0.6142	0.6120
0.900	0.7185	0.7173	0.7161	0.7146	0.7128
0.925	0.8116	0.8107	0.8098	0.8087	0.8074
0.950	0.8945	0.8940	0.8934	0.8928	0.8920
0.975	0.9617	0.9615	0.9613	0.9610	0.9607
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R =00.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9631	0.9637	0.9648	0.9677	0.9958
0.050	0.8980	0.8996	0.9024	0.9101	0.9877
0.075	0.8174	0.8200	0.8248	0.8378	0.9763
0.100	0.7266	0.7302	0.7368	0.7550	0.9619
0.125	0.6292	0.6336	0.6419	0.6649	0.9443
0.150	0.5281	0.5332	0.5429	0.5699	0.9233
0.175	0.4230	0.4289	0.4399	0.4709	0.8987
0.200	0.3198	0.3249	0.3364	0.3692	0.8702
0.225	0.2198	0.2253	0.2372	0.2700	0.8374
0.250	0.1300	0.1354	0.1459	0.1766	0.7999
0.275	0.0546	0.0590	0.0675	0.0936	0.7573
0.300	0.0044	0.0064	0.0110	0.0278	0.7092
0.325	0.	0.	0.	0.	0.6550
0.350	0.	0.	0.	0.	0.5944
0.375	0.	0.	0.	0.	0.5259
0.400	0.	0.	0.	0.	0.5259
0.425	0.	0.	0.	0.	0.4495
0.450	0.	0.	0.	0.	0.3660
0.475	0.	0.	0.	0.	0.2763
0.500	0.	0.	0.	0.	0.1827
0.525	0.	0.	0.	0.	0.0908
0.550	0.	0.	0.	0.	0.0150
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.0366	0.0329	0.0261	0.0099	0.
0.750	0.1065	0.1013	0.0918	0.0658	0.
0.775	0.1935	0.1876	0.1766	0.1456	0.
0.800	0.2917	0.2855	0.2739	0.2406	0.
0.825	0.3967	0.3906	0.3792	0.3459	0.
0.850	0.5048	0.4994	0.4888	0.4575	0.
0.875	0.6089	0.6042	0.5953	0.5686	0.
0.900	0.7103	0.7065	0.6992	0.6773	0.
0.925	0.8056	0.8028	0.7975	0.7814	0.
0.950	0.8909	0.8892	0.8860	0.8761	0.0854
0.975	0.9603	0.9596	0.9584	0.9545	0.4440
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

166

SOLAR FIELD ANGLE, D= 0.50 DEGREES
GEOMETRY ...... D2/R = 25.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9692	0.9693	0.9695	0.9696	0.9699
0.050	0.9147	0.9151	0.9155	0.9160	0.9165
0.075	0.8470	0.8476	0.8483	0.8491	0.8501
0.100	0.7703	0.7712	0.7722	0.7733	0.7746
0.125	0.6874	0.6885	0.6898	0.6912	0.6929
0.150	0.6006	0.6019	0.6034	0.6050	0.6070
0.175	0.5117	0.5132	0.5148	0.5167	0.5189
0.200	0.4201	0.4218	0.4236	0.4256	0.4281
0.225	0.3299	0.3316	0.3334	0.3355	0.3380
0.250	0.2434	0.2451	0.2468	0.2489	0.2514
0.275	0.1630	0.1646	0.1663	0.1682	0.1705
0.300	0.0918	0.0932	0.0946	0.0963	0.0983
0.325	0.0342	0.0352	0.0362	0.0375	0.0390
0.350	0.0002	0.0005	0.0007	0.0011	0.0016
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.0002	0.0001	0.	0.	0.
0.675	0.0342	0.0332	0.0321	0.0310	0.0295
0.700	0.0918	0.0905	0.0890	0.0874	0.0855
0.725	0.1630	0.1615	0.1598	0.1579	0.1556
0.750	0.2434	0.2417	0.2399	0.2379	0.2354
0.775	0.3299	0.3281	0.3263	0.3242	0.3217
0.800	0.4201	0.4185	0.4167	0.4146	0.4121
0.825	0.5117	0.5102	0.5086	0.5067	0.5044
0.850	0.6006	0.5992	0.5977	0.5961	0.5940
0.875	0.6874	0.6862	0.6850	0.6836	0.6818
0.900	0.7703	0.7693	0.7684	0.7672	0.7659
0.925	0.8470	0.8463	0.8456	0.8448	0.8438
0.950	0.9147	0.9143	0.9139	0.9134	0.9128
0.975	0.9692	0.9690	0.9688	0.9687	0.9684
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   0.50 DEGREES
GEOMETRY ...... D2/R =25.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	89.25
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9702	0.9706	0.9714	0.9736	0.9962
0.050	0.9173	0.9185	0.9206	0.9264	0.9888
0.075	0.8514	0.8533	0.8569	0.8668	0.9785
0.100	0.7764	0.7791	0.7842	0.7982	0.9655
0.125	0.6951	0.6986	0.7050	0.7229	0.9496
0.150	0.6097	0.6138	0.7050	0.7229	0.9496
0.175	0.5219	0.5265	0.5351	0.5592	0.9089
0.200	0.4314	0.4365	0.4460	0.4729	0.8836
0.225	0.3414	0.3467	0.3565	0.3847	0.8547
0.250	0.2548	0.2600	0.2697	0.2980	0.8217
0.275	0.1737	0.1786	0.1878	0.2149	0.7845
0.300	0.1011	0.1053	0.1135	0.1360	0.7425
0.325	0.0411	0.0444	0.0508	0.0706	0.6955
0.350	0.0024	0.0038	0.0069	0.0188	0.6431
0.375	0.	0.	0.	0.	0.5848
0.400	0.	0.	0.	0.	0.5193
0.425	0.	0.	0.	0.	0.4470
0.450	0.	0.	0.	0.	0.3685
0.475	0.	0.	0.	0.	0.2843
0.500	0.	0.	0.	0.	0.1965
0.525	0.	0.	0.	0.	0.1091
0.550	0.	0.	0.	0.	0.0319
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.0277	0.0249	0.0199	0.0079	0.
0.700	0.0828	0.0789	0.0716	0.0519	0.
0.725	0.1525	0.1478	0.1391	0.1148	0.
0.750	0.2320	0.2269	0.2174	0.1903	0.
0.775	0.3163	0.3130	0.3031	0.2747	0.
0.800	0.4088	0.4036	0.3939	0.3656	0.
0.825	0.5014	0.4966	0.4874	0.4604	0.
0.850	0.5913	0.5870	0.5789	0.5551	0.
0.875	0.6795	0.6758	0.6689	0.6483	0.
0.900	0.7640	0.7611	0.7555	0.6483	0.0085
0.925	0.8425	0.8404	0.8364	0.7390	0.0700
0.950	0.9120	0.9108	0.9084	0.8244	0.1928
0.975	0.9681	0.9676	0.9667	0.9012	0.4012
1.000	1.0000	1.0000	1.0000	0.9639	0.6943
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

168

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.1849	0.6252	0.9981
0.050	0.	0.	0.	0.0937	0.9942
0.075	0.	0.	0.	0.	0.9885
0.100	0.	0.	0.	0.	0.9810
0.125	0.	0.	0.	0.	0.9713
0.150	0.	0.	0.	0.	0.9592
0.175	0.	0.	0.	0.	0.9443
0.200	0.	0.	0.	0.	0.9259
0.225	0.	0.	0.	0.	0.9034
0.250	0.	0.	0.	0.	0.8760
0.275	0.	0.	0.	0.	0.8425
0.300	0.	0.	0.	0.	0.8017
0.325	0.	0.	0.	0.	0.7519
0.350	0.	0.	0.	0.	0.6910
0.375	0.	0.	0.	0.	0.6166
0.400	0.	0.	0.	0.	0.5259
0.425	0.	0.	0.	0.	0.4161
0.450	0.	0.	0.	0.	0.2859
0.475	0.	0.	0.	0.	0.1399
0.500	0.	0.	0.	0.	0.0098
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE. DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.3761	0.4029	0.4297	0.4584	0.4909
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.3761	0.3477	0.3158	0.2771	0.2264
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***
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SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 0,
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BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.5306	0.5836	0.6626	0.7998	0.9982
0.050	0.0111	0.0645	0.1841	0.4649	0.9945
0.075	0.	0.	0.	0.1204	0.9891
0.100	0.	0.	0.	0.	0.9820
0.125	0.	0.	0.	0.	0.9730
0.150	0.	0.	0.	0.	0.9617
0.175	0.	0.	0.	0.	0.9479
0.200	0.	0.	0.	0.	0.9309
0.225	0.	0.	0.	0.	0.9103
0.250	0.	0.	0.	0.	0.8853
0.275	0.	0.	0.	0.	0.8550
0.300	0.	0.	0.	0.	0.8182
0.325	0.	0.	0.	0.	0.7737
0.350	0.	0.	0.	0.	0.7196
0.375	0.	0.	0.	0.	0.6540
0.400	0.	0.	0.	0.	0.5743
0.425	0.	0.	0.	0.	0.4780
0.450	0.	0.	0.	0.	0.3629
0.475	0.	0.	0.	0.	0.2294
0.500	0.	0.	0.	0.	0.0870
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.1529	0.0389	0.	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.7342	0.7416	0.7491	0.7573	0.7669
0.050	0.3450	0.3596	0.3747	0.3914	0.4112
0.075	0.0279	0.0389	0.0514	0.0663	0.0853
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.0279	0.0179	0.0087	0.0013	0.
0.950	0.3450	0.3301	0.3138	0.2948	0.2708
0.975	0.7342	0.7266	0.7181	0.7080	0.6949
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

173

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D = 1.00 DEGREES
GEOMETRY ...... D2/R = 10.00 AND H/R = 0,

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.7790	0.7960	0.8233	0.8791	0.9983
0.050	0.4367	0.4733	0.5347	0.6682	0.9948
0.075	0.1117	0.1528	0.2288	0.4185	0.9898
0.100	0.	0.	0.0063	0.1708	0.9832
0.125	0.	0.	0.	0.0010	0.9748
0.150	0.	0.	0.	0.	0.9644
0.175	0.	0.	0.	0.	0.9516
0.200	0.	0.	0.	0.	0.9516
0.225	0.	0.	0.	0.	0.9361
0.250	0.	0.	0.	0.	0.9173
0.275	0.	0.	0.	0.	0.8947
0.300	0.	0.	0.	0.	0.8675
0.325	0.	0.	0.	0.	0.8348
0.350	0.	0.	0.	0.	0.7954
0.375	0.	0.	0.	0.	0.7479
0.400	0.	0.	0.	0.	0.6906
0.425	0.	0.	0.	0.	0.6216
0.450	0.	0.	0.	0.	0.5384
0.475	0.	0.	0.	0.	0.4389
0.500	0.	0.	0.	0.	0.3216
0.525	0.	0.	0.	0.	0.1884
0.550	0.	0.	0.	0.	0.0536
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.2373	0.1836	0.0794	0.	0.
0.975	0.6759	0.6435	0.5696	0.2005	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

174

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R =00.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9792	0.9794	0.9796	0.9798	0.9801
0.050	0.9423	0.9428	0.9432	0.9438	0.9444
0.075	0.8953	0.8956	0.8974	0.8984	0.8995
0.100	0.8426	0.8437	0.8449	0.8462	0.8478
0.125	0.7841	0.7856	0.7871	0.7888	0.7909
0.150	0.7219	0.7236	0.7255	0.7275	0.7301
0.175	0.6568	0.6588	0.6609	0.6633	0.6663
0.200	0.5899	0.5921	0.5944	0.5971	0.6004
0.225	0.5219	0.5242	0.5268	0.5296	0.5332
0.250	0.4536	0.4561	0.4587	0.4618	0.4654
0.275	0.3859	0.3884	0.3911	0.3942	0.3980
0.300	0.3195	0.3220	0.3247	0.3278	0.3316
0.325	0.2553	0.2578	0.2604	0.2634	0.2671
0.350	0.1943	0.1966	0.1991	0.2019	0.2054
0.375	0.1376	0.1397	0.1419	0.1445	0.1476
0.400	0.0865	0.0883	0.0903	0.0925	0.0952
0.425	0.0431	0.0445	0.0460	0.0478	0.0500
0.450	0.0107	0.0116	0.0125	0.0136	0.0150
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.0107	0.0098	0.0090	0.0080	0.0069
0.575	0.0431	0.0417	0.0403	0.0386	0.0367
0.600	0.0865	0.0848	0.0829	0.0608	0.0782
0.625	0.1376	0.1355	0.1333	0.1308	0.1278
0.650	0.1943	0.1920	0.1896	0.1868	0.1835
0.675	0.2553	0.2529	0.2503	0.2473	0.2437
0.700	0.3195	0.3170	0.3143	0.3112	0.3075
0.725	0.3859	0.3833	0.3806	0.3775	0.3738
0.750	0.4536	0.4511	0.4484	0.4454	0.4417
0.775	0.5219	0.5195	0.5169	0.5140	0.5104
0.800	0.5899	0.5876	0.5853	0.5826	0.5792
0.825	0.6568	0.6548	0.6527	0.6502	0.6472
0.850	0.7219	0.7201	0.7183	0.7161	0.7135
0.875	0.7841	0.7827	0.7812	0.7794	0.7772
0.900	0.8426	0.8414	0.8402	0.8389	0.8372
0.925	0.8958	0.8951	0.8942	0.8932	0.8920
0.950	0.9423	0.9418	0.9413	0.9408	0.9401
0.975	0.9792	0.9791	0.9789	0.9787	0.9784
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R =100.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9804	0.9809	0.9818	0.9842	0.9989
0.050	0.9453	0.9466	0.9490	0.9554	0.9968
0.075	0.9010	0.9033	0.9074	0.9185	0.9939
0.100	0.8500	0.8532	0.8592	0.8752	0.9901
0.125	0.7937	0.7980	0.8057	0.8267	0.9854
0.150	0.7335	0.7386	0.7481	0.7739	0.9799
0.175	0.6702	0.6761	0.6871	0.7174	0.9733
0.200	0.6047	0.6114	0.6237	0.6579	0.9656
0.225	0.5379	0.5451	0.5585	0.5959	0.9566
0.250	0.4704	0.4780	0.4922	0.5322	0.9462
0.275	0.4031	0.4109	0.4255	0.4673	0.9343
0.300	0.3367	0.3445	0.3592	0.4018	0.9205
0.325	0.2720	0.2797	0.2942	0.3366	0.9048
0.350	0.2101	0.2174	0.2312	0.2724	0.8867
0.375	0.1519	0.1586	0.1714	0.2102	0.8660
0.400	0.0990	0.1048	0.1161	0.1512	0.8422
0.425	0.0530	0.0577	0.0671	0.0970	0.8150
0.450	0.0170	0.0202	0.0269	0.0498	0.7838
0.475	0.	0.	0.0013	0.0135	0.7479
0.500	0.	0.	0.	0.	0.7068
0.525	0.	0.	0.	0.	0.6595
0.550	0.0055	0.0036	0.0009	0.	0.6053
0.575	0.0341	0.0303	0.0236	0.0084	0.5432
0.600	0.0748	0.0697	0.0606	0.0373	0.4723
0.625	0.1238	0.1177	0.1066	0.0773	0.3918
0.650	0.1790	0.1721	0.1596	0.1254	0.3016
0.675	0.2389	0.2315	0.2179	0.1801	0.2030
0.700	0.3025	0.2948	0.2805	0.2402	0.1014
0.725	0.3687	0.3609	0.3463	0.3046	0.0142
0.750	0.4367	0.4290	0.4144	0.3725	0.
0.775	0.5056	0.4982	0.4841	0.4431	0.
0.800	0.5747	0.5677	0.5545	0.5154	0.
0.825	0.6431	0.6368	0.6247	0.5887	0.
0.850	0.7099	0.7044	0.6938	0.6618	0.0081
0.875	0.7742	0.7696	0.7607	0.7337	0.0284
0.900	0.8348	0.8312	0.8243	0.8029	0.0645
0.925	0.8904	0.8879	0.8830	0.8677	0.1252
0.950	0.9391	0.9376	0.9347	0.9256	0.2255
0.975	0.9780	0.9775	0.9764	0.9728	0.3920
1.000	1.0000	1.0000	1.0000	1.0000	0.6645
					1.0000

176

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***  RELATIVE ENERGY FLUX DENSITY IN THE  ***
***  PENUMBRA OF A   RECTANGULAR CYLINDER  ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R =25.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9825	0.9826	0.9827	0.9829	0.9831
0.050	0.9511	0.9515	0.9519	0.9523	0.9528
0.075	0.9116	0.9122	0.9129	0.9136	0.9145
0.100	0.8660	0.8669	0.8679	0.8690	0.8703
0.125	0.8159	0.8171	0.8183	0.8197	0.8214
0.150	0.7622	0.7636	0.7651	0.7668	0.7689
0.175	0.7057	0.7074	0.7091	0.7111	0.7136
0.200	0.6472	0.6490	0.6510	0.6533	0.6560
0.225	0.5872	0.5893	0.5914	0.5939	0.5969
0.250	0.5265	0.5287	0.5310	0.5336	0.5367
0.275	0.4655	0.4678	0.4701	0.4729	0.4762
0.300	0.4046	0.4071	0.4096	0.4123	0.4157
0.325	0.3451	0.3473	0.3498	0.3525	0.3559
0.350	0.2863	0.2890	0.2914	0.2940	0.2974
0.375	0.2306	0.2327	0.2350	0.2376	0.2407
0.400	0.1773	0.1793	0.1814	0.1838	0.1867
0.425	0.1277	0.1295	0.1313	0.1335	0.1361
0.450	0.0829	0.0844	0.0860	0.0878	0.0901
0.475	0.0443	0.0454	0.0467	0.0482	0.0500
0.500	0.0285	0.0285	0.0286	0.0287	0.0289
0.525	0.0443	0.0431	0.0419	0.0405	0.0388
0.550	0.0829	0.0814	0.0798	0.0780	0.0759
0.575	0.1277	0.1260	0.1241	0.1220	0.1195
0.600	0.1773	0.1754	0.1733	0.1709	0.1681
0.625	0.2306	0.2285	0.2263	0.2237	0.2206
0.650	0.2868	0.2846	0.2822	0.2795	0.2763
0.675	0.3451	0.3428	0.3404	0.3376	0.3343
0.700	0.4046	0.4026	0.4001	0.3974	0.3940
0.725	0.4655	0.4633	0.4609	0.4581	0.4548
0.750	0.5265	0.5243	0.5220	0.5194	0.5162
0.775	0.5872	0.5852	0.5830	0.5805	0.5775
0.800	0.6472	0.6453	0.6433	0.6410	0.6382
0.825	0.7057	0.7040	0.7022	0.7002	0.6977
0.850	0.7622	0.7607	0.7592	0.7574	0.7553
0.875	0.8159	0.8147	0.8134	0.8120	0.8102
0.900	0.8660	0.8651	0.8641	0.8630	0.8617
0.925	0.9116	0.9109	0.9103	0.9095	0.9085
0.950	0.9511	0.9507	0.9503	0.9499	0.9493
0.975	0.9825	0.9823	0.9822	0.9820	0.9818
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9834	0.9838	0.9845	0.9864	0.9990
0.050	0.9535	0.9546	0.9565	0.9617	0.9970
0.075	0.9158	0.9176	0.9209	0.9299	0.9942
0.100	0.8721	0.8747	0.8796	0.8927	0.9907
0.125	0.8237	0.8272	0.8336	0.8508	0.9864
0.150	0.7717	0.7760	0.7838	0.8051	0.9812
0.175	0.7166	0.7216	0.7309	0.7561	0.9751
0.200	0.6597	0.6653	0.6756	0.7043	0.9679
0.225	0.6009	0.6070	0.6184	0.6502	0.9597
0.250	0.5410	0.5476	0.5598	0.5941	0.9502
0.275	0.4806	0.4875	0.5003	0.5366	0.9393
0.300	0.4203	0.4273	0.4404	0.4781	0.9268
0.325	0.3605	0.3675	0.3807	0.4190	0.9126
0.350	0.3018	0.3087	0.3218	0.3600	0.8963
0.375	0.2450	0.2516	0.2643	0.3015	0.8777
0.400	0.1907	0.1969	0.2088	0.2443	0.8565
0.425	0.1398	0.1454	0.1562	0.1891	0.8324
0.450	0.0932	0.0981	0.1076	0.1370	0.8048
0.475	0.0525	0.0565	0.0643	0.0892	0.7734
0.500	0.0293	0.0301	0.0326	0.0474	0.7375
0.525	0.0369	0.0345	0.0312	0.0284	0.6964
0.550	0.0731	0.0688	0.0611	0.0413	0.6496
0.575	0.1161	0.1110	0.1017	0.0771	0.5961
0.600	0.1643	0.1585	0.1479	0.1192	0.5351
0.625	0.2165	0.2102	0.1986	0.1666	0.4659
0.650	0.2719	0.2652	0.2528	0.2182	0.3877
0.675	0.3297	0.3228	0.3100	0.2736	0.3005
0.700	0.3894	0.3824	0.3693	0.3320	0.2056
0.725	0.4503	0.4434	0.4304	0.3928	0.1083
0.750	0.5116	0.5051	0.4924	0.4556	0.0284
0.775	0.5734	0.5670	0.5550	0.5196	0.0200
0.800	0.6344	0.6285	0.6174	0.5842	0.0394
0.825	0.6943	0.6890	0.6789	0.6489	0.0678
0.850	0.7523	0.7478	0.7390	0.7127	0.1087
0.875	0.8078	0.8040	0.7968	0.7747	0.1669
0.900	0.8598	0.8569	0.8512	0.8340	0.2500
0.925	0.9072	0.9052	0.9012	0.8890	0.3687
0.950	0.9486	0.9474	0.9450	0.9378	0.5377
0.975	0.9815	0.9810	0.9802	0.9774	0.7692
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A   RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

177

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.2253	0.6596	0.9981
0.050	0.	0.	0.	0.1047	0.9942
0.075	0.	0.	0.	0.	0.9886
0.100	0.	0.	0.	0.	0.9811
0.125	0.	0.	0.	0.	0.9715
0.150	0.	0.	0.	0.	0.9596
0.175	0.	0.	0.	0.	0.9447
0.200	0.	0.	0.	0.	0.9266
0.225	0.	0.	0.	0.	0.9043
0.250	0.	0.	0.	0.	0.8772
0.275	0.	0.	0.	0.	0.8442
0.300	0.	0.	0.	0.	0.8040
0.325	0.	0.	0.	0.	0.7549
0.350	0.	0.	0.	0.	0.6949
0.375	0.	0.	0.	0.	0.6217
0.400	0.	0.	0.	0.	0.5312
0.425	0.	0.	0.	0.	0.4209
0.450	0.	0.	0.	0.	0.2897
0.475	0.	0.	0.	0.	0.1421
0.500	0.	0.	0.	0.	0.0099
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.4288	0.4569	0.4847	0.5119	0.5398
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.4288	0.3987	0.3643	0.3221	0.2655
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

181

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R = 5.00  AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.5739	0.6197	0.6889	0.8116	0.9982
0.050	0.0109	0.0698	0.2000	0.4926	0.9945
0.075	0.	0.	0.	0.1274	0.9892
0.100	0.	0.	0.	0.	0.9822
0.125	0.	0.	0.	0.	0.9732
0.150	0.	0.	0.	0.	0.9620
0.175	0.	0.	0.	0.	0.9483
0.200	0.	0.	0.	0.	0.9315
0.225	0.	0.	0.	0.	0.9111
0.250	0.	0.	0.	0.	0.9111
0.275	0.	0.	0.	0.	0.8863
0.300	0.	0.	0.	0.	0.8564
0.325	0.	0.	0.	0.	0.8201
0.350	0.	0.	0.	0.	0.7761
0.375	0.	0.	0.	0.	0.7228
0.400	0.	0.	0.	0.	0.6581
0.425	0.	0.	0.	0.	0.5792
0.450	0.	0.	0.	0.	0.4826
0.475	0.	0.	0.	0.	0.3668
0.500	0.	0.	0.	0.	0.2321
0.525	0.	0.	0.	0.	0.0879
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.1813	0.0445	0.	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R =10.00   AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.7502	0.7569	0.7638	0.7712	0.7800
0.050	0.3664	0.3815	0.3971	0.4143	0.4347
0.075	0.0276	0.0392	0.0524	0.0682	0.0884
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.0276	0.0171	0.0076	0.0005	0.
0.950	0.3664	0.3508	0.3339	0.3140	0.2888
0.975	0.7502	0.7432	0.7356	0.7264	0.7146
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

183

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE. D= 1.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.7911	0.8066	0.8319	0.8839	0.9983
0.050	0.4608	0.4980	0.5557	0.6809	0.9948
0.075	0.1163	0.1596	0.2392	0.4346	0.9898
0.100	0.	0.	0.0054	0.1767	0.9833
0.125	0.	0.	0.	0.0005	0.9749
0.150	0.	0.	0.	0.	0.9646
0.175	0.	0.	0.	0.	0.9519
0.200	0.	0.	0.	0.	0.9366
0.225	0.	0.	0.	0.	0.9180
0.250	0.	0.	0.	0.	0.9180
0.275	0.	0.	0.	0.	0.8956
0.300	0.	0.	0.	0.	0.8363
0.325	0.	0.	0.	0.	0.7973
0.350	0.	0.	0.	0.	0.7504
0.375	0.	0.	0.	0.	0.6938
0.400	0.	0.	0.	0.	0.6256
0.425	0.	0.	0.	0.	0.6256
0.450	0.	0.	0.	0.	0.5426
0.475	0.	0.	0.	0.	0.3246
0.500	0.	0.	0.	0.	0.1900
0.525	0.	0.	0.	0.	0.0537
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.2533	0.1961	0.0835	0.	0.
0.975	0.6975	0.6656	0.6028	0.2291	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9793	0.9795	0.9797	0.9799	0.9801
0.050	0.9425	0.9430	0.9435	0.9440	0.9447
0.075	0.8962	0.8970	0.8978	0.8988	0.8999
0.100	0.8432	0.8443	0.8454	0.8468	0.8484
0.125	0.7650	0.7864	0.7879	0.7896	0.7917
0.150	0.7229	0.7246	0.7265	0.7285	0.7311
0.175	0.6580	0.6600	0.6622	0.6645	0.6675
0.200	0.5913	0.5935	0.5959	0.5965	0.6018
0.225	0.5235	0.5259	0.5284	0.5312	0.5347
0.250	0.4550	0.4575	0.4601	0.4632	0.4669
0.275	0.3867	0.3893	0.3920	0.3951	0.3989
0.300	0.3148	0.3224	0.3251	0.3282	0.3320
0.325	0.2552	0.2577	0.2603	0.2633	0.2670
0.350	0.1938	0.1961	0.1986	0.2014	0.2049
0.375	0.1367	0.1388	0.1410	0.1436	0.1468
0.400	0.0854	0.0872	0.0891	0.0913	0.0941
0.425	0.0419	0.0433	0.0448	0.0466	0.0487
0.450	0.0097	0.0106	0.0115	0.0126	0.0140
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.0097	0.0089	0.0081	0.0072	0.0061
0.575	0.0419	0.0405	0.0391	0.0374	0.0355
0.600	0.0854	0.0836	0.0817	0.0796	0.0770
0.625	0.1367	0.1346	0.1324	0.1299	0.1269
0.650	0.1938	0.1914	0.1890	0.1862	0.1828
0.675	0.2552	0.2527	0.2501	0.2471	0.2435
0.700	0.3198	0.3173	0.3146	0.3115	0.3077
0.725	0.3867	0.3842	0.3814	0.3783	0.3745
0.750	0.4550	0.4524	0.4498	0.4467	0.3745
0.775	0.5235	0.5211	0.5186	0.5157	0.5121
0.800	0.5913	0.5891	0.5867	0.5840	0.5807
0.825	0.6580	0.6561	0.6539	0.6515	0.6485
0.850	0.7229	0.7212	0.7193	0.7172	0.7146
0.875	0.7850	0.7835	0.7820	0.7802	0.7780
0.900	0.8432	0.8420	0.8408	0.8395	0.7780
0.925	0.8962	0.8955	0.8946	0.8937	0.8925
0.950	0.9425	0.9421	0.9416	0.9410	0.9403
0.975	0.9793	0.9792	0.9790	0.9788	0.9785
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

115

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9805	0.9810	0.9819	0.9842	0.9989
0.050	0.9455	0.9468	0.9492	0.9555	0.9968
0.075	0.9014	0.9037	0.9078	0.9187	0.9939
0.100	0.8505	0.8538	0.8597	0.8756	0.9901
0.125	0.7945	0.7987	0.8064	0.8273	0.9855
0.150	0.7344	0.7396	0.7490	0.7746	0.9799
0.175	0.6714	0.6773	0.6882	0.7183	0.9733
0.200	0.6061	0.6127	0.6250	0.6590	0.9656
0.225	0.5395	0.5466	0.5599	0.5973	0.9567
0.250	0.4719	0.4795	0.4937	0.5338	0.9463
0.275	0.4040	0.4119	0.4266	0.4686	0.9344
0.300	0.3371	0.3450	0.3598	0.4027	0.9207
0.325	0.2720	0.2797	0.2943	0.3370	0.9050
0.350	0.2096	0.2169	0.2309	0.2723	0.8869
0.375	0.1511	0.1578	0.1707	0.2097	0.8663
0.400	0.0978	0.1037	0.1151	0.1503	0.8426
0.425	0.0517	0.0565	0.0658	0.0959	0.8154
0.450	0.0159	0.0191	0.0257	0.0486	0.7343
0.475	0.	0.	0.0008	0.0125	0.7485
0.500	0.	0.	0.	0.	0.7075
0.525	0.	0.	0.	0.	0.6604
0.550	0.0047	0.0029	0.0005	0.	0.6064
0.575	0.0329	0.0291	0.0225	0.0075	0.5441
0.600	0.0736	0.0485	0.0594	0.0361	0.4729
0.625	0.1228	0.1167	0.1056	0.0761	0.3920
0.650	0.1783	0.1715	0.1588	0.1245	0.3013
0.675	0.2387	0.2313	0.2175	0.1795	0.2021
0.700	0.3027	0.2950	0.2805	0.2400	0.0999
0.725	0.3694	0.3616	0.3469	0.3049	0.0129
0.750	0.4379	0.4302	0.4156	0.3734	0.
0.775	0.5073	0.4999	0.4858	0.4445	0.
0.800	0.5762	0.5693	0.5561	0.5172	0.
0.825	0.6444	0.6381	0.6261	0.5902	0.
0.850	0.7110	0.7055	0.6950	0.6631	0.0074
0.875	0.7751	0.7705	0.7616	0.7347	0.0273
0.900	0.8355	0.8319	0.8250	0.8037	0.0634
0.925	0.8908	0.8883	0.8834	0.8682	0.1244
0.950	0.9394	0.9379	0.9350	0.9259	0.2261
0.975	0.9781	0.9776	0.9765	0.9730	0.3959
1.000	1.0000	1.0000	1.0000	1.0000	0.6676
					1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R = 25.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9825	0.9826	0.9828	0.9829	0.9831
0.050	0.9512	0.9516	0.9520	0.9524	0.9530
0.075	0.9118	0.9124	0.9131	0.9139	0.9148
0.100	0.8664	0.8673	0.8683	0.8693	0.8706
0.125	0.8164	0.8176	0.8188	0.8202	0.8219
0.150	0.7626	0.7642	0.7657	0.7675	0.7695
0.175	0.7065	0.7081	0.7099	0.7119	0.7143
0.200	0.6481	0.6499	0.6519	0.6541	0.6569
0.225	0.5883	0.5903	0.5925	0.5949	0.5979
0.250	0.5277	0.5298	0.5321	0.5347	0.5379
0.275	0.4665	0.4688	0.4712	0.4739	0.4772
0.300	0.4055	0.4078	0.4102	0.4130	0.4164
0.325	0.3453	0.3476	0.3500	0.3528	0.3562
0.350	0.2867	0.2889	0.2913	0.2940	0.2973
0.375	0.2302	0.2323	0.2346	0.2372	0.2403
0.400	0.1766	0.1785	0.1807	0.1831	0.1860
0.425	0.1268	0.1285	0.1304	0.1326	0.1352
0.450	0.0818	0.0833	0.0849	0.0867	0.0890
0.475	0.0431	0.0443	0.0456	0.0470	0.0489
0.500	0.0266	0.0266	0.0267	0.0268	0.0270
0.525	0.0431	0.0420	0.0407	0.0394	0.0377
0.550	0.0818	0.0803	0.0787	0.0769	0.0748
0.575	0.1268	0.1250	0.1231	0.1211	0.1185
0.600	0.1766	0.1746	0.1725	0.1702	0.1673
0.625	0.2302	0.2281	0.2258	0.2233	0.2202
0.650	0.2867	0.2844	0.2821	0.2794	0.2761
0.675	0.3453	0.3430	0.3406	0.3378	0.3345
0.700	0.4055	0.4032	0.4007	0.3980	0.3946
0.725	0.4665	0.4643	0.4619	0.4591	0.4558
0.750	0.5277	0.5255	0.5232	0.5206	0.5174
0.775	0.5883	0.5862	0.5841	0.5816	0.5786
0.800	0.6481	0.6462	0.6442	0.6419	0.6391
0.825	0.7065	0.7048	0.7030	0.7010	0.6985
0.850	0.7628	0.7614	0.7598	0.7581	0.7559
0.875	0.8164	0.8152	0.8139	0.8125	0.8107
0.900	0.8664	0.8655	0.8645	0.8634	0.8620
0.925	0.9118	0.9112	0.9105	0.9097	0.9088
0.950	0.9512	0.9509	0.9505	0.9500	0.9495
0.975	0.9825	0.9824	0.9822	0.9820	0.9818
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R = 25.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9834	0.9835	0.9845	0.9864	0.9990
0.050	0.9537	0.9547	0.9567	0.9618	0.9970
0.075	0.9160	0.9178	0.9212	0.9301	0.9942
0.100	0.8724	0.8750	0.8799	0.8929	0.9907
0.125	0.8242	0.8277	0.8340	0.8512	0.9864
0.150	0.7723	0.7766	0.7843	0.8056	0.9812
0.175	0.7176	0.7225	0.7316	0.7568	0.9751
0.200	0.6605	0.6661	0.6764	0.7051	0.9680
0.225	0.6019	0.6080	0.6193	0.6510	0.9597
0.250	0.5422	0.5487	0.5608	0.5951	0.9503
0.275	0.4817	0.4586	0.5014	0.5377	0.9394
0.300	0.4210	0.4280	0.4412	0.4791	0.9269
0.325	0.3606	0.3679	0.3812	0.4197	0.9127
0.350	0.3018	0.3088	0.3219	0.3603	0.8964
0.375	0.2447	0.2513	0.2640	0.3014	0.8779
0.400	0.1901	0.1963	0.2082	0.2439	0.8568
0.425	0.1389	0.1445	0.1554	0.1884	0.8327
0.450	0.0922	0.0971	0.1066	0.1361	0.8052
0.475	0.0514	0.0553	0.0631	0.0880	0.7736
0.500	0.0274	0.0283	0.0309	0.0462	0.7380
0.525	0.0356	0.0330	0.0295	0.0266	0.6970
0.550	0.0719	0.0677	0.0600	0.0403	0.6503
0.575	0.1151	0.1100	0.1007	0.0760	0.5969
0.600	0.1635	0.1577	0.1471	0.1183	0.5357
0.625	0.2160	0.2097	0.1980	0.1658	0.4662
0.650	0.2717	0.2650	0.2525	0.2178	0.3877
0.675	0.3299	0.3230	0.3100	0.2735	0.3001
0.700	0.3900	0.3830	0.3698	0.3322	0.2046
0.725	0.4512	0.4443	0.4312	0.3935	0.1067
0.750	0.5130	0.5063	0.4937	0.4566	0.0265
0.775	0.5744	0.5681	0.5561	0.5208	0.0193
0.800	0.6353	0.6295	0.6183	0.5853	0.0386
0.825	0.6951	0.6898	0.6798	0.6498	0.0670
0.850	0.7530	0.7484	0.7397	0.7135	0.1079
0.875	0.8083	0.8045	0.7973	0.7754	0.1665
0.900	0.8602	0.8573	0.8517	0.8345	0.2503
0.925	0.9075	0.9054	0.9015	0.8893	0.3706
0.950	0.9487	0.9475	0.9452	0.9380	0.5398
0.975	0.9815	0.9811	0.9802	0.9775	0.7706
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.2326	0.6889	0.9981
0.050	0.	0.	0.	0.1179	0.9942
0.075	0.	0.	0.	0.	0.9887
0.100	0.	0.	0.	0.	0.9813
0.125	0.	0.	0.	0.	0.9718
0.150	0.	0.	0.	0.	0.9599
0.175	0.	0.	0.	0.	0.9452
0.200	0.	0.	0.	0.	0.9272
0.225	0.	0.	0.	0.	0.9052
0.250	0.	0.	0.	0.	0.8785
0.275	0.	0.	0.	0.	0.8459
0.300	0.	0.	0.	0.	0.8062
0.325	0.	0.	0.	0.	0.7578
0.350	0.	0.	0.	0.	0.6988
0.375	0.	0.	0.	0.	0.6267
0.400	0.	0.	0.	0.	0.5365
0.425	0.	0.	0.	0.	0.4258
0.450	0.	0.	0.	0.	0.2936
0.475	0.	0.	0.	0.	0.1442
0.500	0.	0.	0.	0.	0.0100
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.4953	0.5164	0.5361	0.5572	0.5813
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.4953	0.4639	0.4275	0.3818	0.3190
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.6109	0.6509	0.7118	0.8222	0.9982
0.050	0.0106	0.0761	0.2185	0.5209	0.9945
0.075	0.	0.	0.	0.1353	0.9893
0.100	0.	0.	0.	0.	0.9823
0.125	0.	0.	0.	0.	0.9734
0.150	0.	0.	0.	0.	0.9623
0.175	0.	0.	0.	0.	0.9487
0.200	0.	0.	0.	0.	0.9320
0.225	0.	0.	0.	0.	0.9118
0.250	0.	0.	0.	0.	0.8874
0.275	0.	0.	0.	0.	0.8577
0.300	0.	0.	0.	0.	0.8219
0.325	0.	0.	0.	0.	0.7785
0.350	0.	0.	0.	0.	0.7259
0.375	0.	0.	0.	0.	0.6621
0.400	0.	0.	0.	0.	0.5841
0.425	0.	0.	0.	0.	0.4872
0.450	0.	0.	0.	0.	0.3708
0.475	0.	0.	0.	0.	0.2348
0.500	0.	0.	0.	0.	0.0888
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.2216	0.0530	0.	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R =10.00   AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.7646	0.7707	0.7769	0.7838	0.7918
0.050	0.3903	0.4059	0.4220	0.4397	0.4606
0.075	0.0273	0.0395	0.0536	0.0704	0.0918
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.0273	0.0162	0.0065	0.	0.
0.950	0.3903	0.3741	0.3565	0.3357	0.3092
0.975	0.7546	0.7582	0.7512	0.7429	0.7322
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, U= 1.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8020	0.8163	0.8397	0.8883	0.9983
0.050	0.4872	0.5215	0.5750	0.6927	0.9948
0.075	0.1214	0.1672	0.2506	0.4518	0.9899
0.100	0.	0.	0.0045	0.1830	0.9834
0.125	0.	0.	0.	0.0001	0.9751
0.150	0.	0.	0.	0.	0.9648
0.175	0.	0.	0.	0.	0.9523
0.200	0.	0.	0.	0.	0.9370
0.225	0.	0.	0.	0.	0.9186
0.250	0.	0.	0.	0.	0.8964
0.275	0.	0.	0.	0.	0.8697
0.300	0.	0.	0.	0.	0.8377
0.325	0.	0.	0.	0.	0.7991
0.350	0.	0.	0.	0.	0.7528
0.375	0.	0.	0.	0.	0.6969
0.400	0.	0.	0.	0.	0.6296
0.425	0.	0.	0.	0.	0.5469
0.450	0.	0.	0.	0.	0.4465
0.475	0.	0.	0.	0.	0.3276
0.500	0.	0.	0.	0.	0.1917
0.525	0.	0.	0.	0.	0.0537
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.2717	0.2106	0.0884	0.	0.
0.975	0.7168	0.5907	0.6319	0.2678	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE *** *** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R =100.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9794	0.9796	0.9798	0.9800	0.9802
0.050	0.9427	0.9432	0.9437	0.9442	0.9449
0.075	0.8966	0.8974	0.8982	0.8992	0.9003
0.100	0.8437	0.8445	0.8460	0.8473	0.8489
0.125	0.7857	0.7872	0.7887	0.7904	0.7925
0.150	0.7239	0.7256	0.7275	0.7295	0.7320
0.175	0.6593	0.6612	0.6634	0.6657	0.6686
0.200	0.5927	0.5949	0.5973	0.5999	0.6031
0.225	0.5251	0.5275	0.5300	0.5328	0.5363
0.250	0.4563	0.4589	0.4615	0.4646	0.4683
0.275	0.3876	0.3902	0.3929	0.3960	0.3998
0.300	0.3202	0.3228	0.3255	0.3286	0.3324
0.325	0.2551	0.2575	0.2602	0.2632	0.2669
0.350	0.1932	0.1955	0.1980	0.2009	0.2044
0.375	0.1358	0.1379	0.1401	0.1427	0.1459
0.400	0.0342	0.0360	0.0380	0.0902	0.0930
0.425	0.0407	0.0421	0.0436	0.0453	0.0475
0.450	0.0088	0.0096	0.0105	0.0116	0.0130
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.0098	0.0080	0.0072	0.0063	0.0053
0.575	0.0407	0.0393	0.0379	0.0362	0.0343
0.600	0.0842	0.0824	0.0806	0.0784	0.0759
0.625	0.1358	0.1337	0.1314	0.1289	0.1259
0.650	0.1932	0.1909	0.1884	0.1856	0.1822
0.675	0.2551	0.2526	0.2499	0.2470	0.2433
0.700	0.3202	0.3176	0.3149	0.3118	0.3080
0.725	0.3876	0.3850	0.3823	0.3791	0.3753
0.750	0.4563	0.4538	0.4511	0.4480	0.4443
0.775	0.5251	0.5227	0.5202	0.5173	0.5138
0.800	0.5927	0.5905	0.5882	0.5855	0.5822
0.825	0.6593	0.6573	0.6552	0.6527	0.6497
0.850	0.7239	0.7222	0.7203	0.7182	0.7156
0.875	0.7857	0.7843	0.7828	0.7810	0.7789
0.900	0.8437	0.8426	0.8414	0.8401	0.8384
0.925	0.8966	0.8959	0.8950	0.8941	0.8929
0.950	0.9427	0.9423	0.9418	0.9412	0.9405
0.975	0.9794	0.9792	0.9791	0.9788	0.9786
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9805	0.9810	0.9819	0.9843	0.9989
0.050	0.9457	0.9470	0.9494	0.9557	0.9968
0.075	0.9018	0.9040	0.9081	0.9190	0.9939
0.100	0.8511	0.8543	0.8602	0.8761	0.9939
0.125	0.7952	0.7994	0.8071	0.8279	0.9901
0.150	0.7354	0.7405	0.7499	0.7754	0.9855
0.175	0.6725	0.6784	0.6693	0.7193	0.9799
0.200	0.6075	0.6141	0.6263	0.6602	0.9734
0.225	0.5410	0.5481	0.5614	0.5986	0.9657
0.250	0.4733	0.4810	0.4953	0.5353	0.9567
0.275	0.4050	0.4129	0.4277	0.4699	0.9464
0.300	0.3376	0.3455	0.3604	0.4036	0.9345
0.325	0.2720	0.2797	0.2944	0.3374	0.9208
0.350	0.2092	0.2165	0.2306	0.2722	0.9052
0.375	0.1503	0.1570	0.1700	0.2092	0.8872
0.400	0.0967	0.1026	0.1140	0.1495	0.8665
0.425	0.0505	0.0553	0.0646	0.0947	0.8429
0.450	0.0149	0.0180	0.0245	0.0473	0.8158
0.475	0.	0.	0.0004	0.0114	0.7848
0.500	0.	0.	0.	0.	0.7491
0.525	0.	0.	0.	0.	0.7083
0.550	0.0040	0.0023	0.0002	0.	0.6613
0.575	0.0317	0.0280	0.0214	0.0067	0.6075
0.600	0.0724	0.0673	0.0582	0.0349	0.5450
0.625	0.1218	0.1157	0.1045	0.0750	0.4734
0.650	0.1777	0.1708	0.1580	0.1235	0.3921
0.675	0.2384	0.2310	0.2172	0.1789	0.3009
0.700	0.3029	0.2951	0.2806	0.2398	0.2012
0.725	0.3702	0.3623	0.3475	0.3052	0.0985
0.750	0.4392	0.4314	0.4167	0.3742	0.0116
0.775	0.5090	0.5016	0.4875	0.4460	0.
0.800	0.5777	0.5708	0.5577	0.5189	0.
0.825	0.6457	0.6394	0.6274	0.5917	0.
0.850	0.7121	0.7066	0.6961	0.6644	0.0067
0.875	0.7759	0.7713	0.7626	0.7358	0.0263
0.900	0.8361	0.8325	0.8256	0.8045	0.0623
0.925	0.8913	0.8888	0.8839	0.8687	0.1237
0.950	0.9396	0.9381	0.9352	0.9262	0.2267
0.975	0.9782	0.9777	0.9765	0.9731	0.3998
1.000	1.0000	1.0000	1.0000	1.0000	0.6707
					1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R =125.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9825	0.9827	0.9828	0.9830	0.9832
0.050	0.9514	0.9517	0.9521	0.9526	0.9531
0.075	0.9121	0.9127	0.9133	0.9141	0.9150
0.100	0.8668	0.8677	0.8686	0.8697	0.8710
0.125	0.8169	0.8181	0.8193	0.8207	0.8224
0.150	0.7634	0.7649	0.7664	0.7681	0.7701
0.175	0.7072	0.7089	0.7106	0.7126	0.7150
0.200	0.6490	0.6508	0.6528	0.6550	0.6578
0.225	0.5893	0.5913	0.5935	0.5959	0.5989
0.250	0.5288	0.5310	0.5332	0.5358	0.5390
0.275	0.4675	0.4698	0.4722	0.4749	0.4783
0.300	0.4061	0.4084	0.4109	0.4137	0.4171
0.325	0.3456	0.3479	0.3503	0.3531	0.3565
0.350	0.2866	0.2888	0.2912	0.2939	0.2973
0.375	0.2297	0.2319	0.2342	0.2368	0.2400
0.400	0.1759	0.1775	0.1799	0.1824	0.1853
0.425	0.1256	0.1276	0.1295	0.1316	0.1343
0.450	0.0907	0.0822	0.0838	0.0856	0.0879
0.475	0.0420	0.0432	0.0445	0.0459	0.0477
0.500	0.0246	0.0246	0.0249	0.0250	0.0252
0.525	0.0420	0.0406	0.0396	0.0383	0.0366
0.550	0.0807	0.0792	0.0776	0.0758	0.0737
0.575	0.1258	0.1240	0.1222	0.1201	0.1175
0.600	0.1759	0.1739	0.1718	0.1694	0.1666
0.625	0.2297	0.2276	0.2254	0.2228	0.2197
0.650	0.2866	0.2843	0.2820	0.2793	0.2760
0.675	0.3456	0.3433	0.3408	0.3381	0.3347
0.700	0.4061	0.4038	0.4013	0.3986	0.3951
0.725	0.4675	0.4653	0.4629	0.4601	0.4567
0.750	0.5288	0.5267	0.5244	0.5217	0.5185
0.775	0.5893	0.5873	0.5851	0.5826	0.5796
0.800	0.6490	0.6471	0.6451	0.6428	0.6401
0.825	0.7072	0.7056	0.7038	0.7018	0.6993
0.850	0.7634	0.7620	0.7605	0.7587	0.7566
0.875	0.8169	0.8157	0.8144	0.8130	0.8112
0.900	0.8668	0.8659	0.8649	0.8638	0.8624
0.925	0.9121	0.9114	0.9108	0.9100	0.9090
0.950	0.9514	0.9510	0.9506	0.9502	0.9496
0.975	0.9825	0.9824	0.9823	0.9321	0.9819
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9835	0.9839	0.9846	0.9865	0.9990
0.050	0.9538	0.9546	0.9568	0.9619	0.9970
0.075	0.9162	0.9180	0.9214	0.9303	0.9942
0.100	0.8727	0.8754	0.8802	0.8932	0.9907
0.125	0.8247	0.8281	0.8344	0.8516	0.9864
0.150	0.7729	0.7771	0.7849	0.8061	0.9812
0.175	0.7183	0.7232	0.7323	0.7574	0.9751
0.200	0.6614	0.6670	0.6773	0.7058	0.9680
0.225	0.6029	0.6090	0.6203	0.6519	0.9598
0.250	0.5433	0.5498	0.5619	0.5961	0.9503
0.275	0.4828	0.4897	0.5026	0.5388	0.9395
0.300	0.4217	0.4288	0.4420	0.4801	0.9270
0.325	0.3612	0.3663	0.3816	0.4203	0.9128
0.350	0.3016	0.3088	0.3220	0.3605	0.8966
0.375	0.2443	0.2510	0.2637	0.3014	0.8781
0.400	0.1894	0.1957	0.2076	0.2435	0.8570
0.425	0.1379	0.1436	0.1545	0.1877	0.8330
0.450	0.0911	0.0960	0.1055	0.1351	0.8055
0.475	0.0502	0.0542	0.0620	0.0869	0.7742
0.500	0.0256	0.0265	0.0292	0.0451	0.7385
0.525	0.0344	0.0316	0.0278	0.0248	0.6976
0.550	0.0708	0.0656	0.0589	0.0392	0.6510
0.575	0.1141	0.1090	0.0997	0.0750	0.5977
0.600	0.1627	0.1569	0.1462	0.1173	0.5364
0.625	0.2155	0.2091	0.1974	0.1651	0.4665
0.650	0.2715	0.2648	0.2523	0.2173	0.3876
0.675	0.3301	0.3231	0.3101	0.2733	0.2996
0.700	0.3905	0.3835	0.3702	0.3325	0.2036
0.725	0.4522	0.4452	0.4320	0.3941	0.1050
0.750	0.5142	0.5075	0.4949	0.4577	0.0247
0.775	0.5755	0.5692	0.5572	0.5220	0.0186
0.800	0.6363	0.6304	0.6193	0.5864	0.0378
0.825	0.6953	0.6906	0.6806	0.6507	0.0662
0.850	0.7536	0.7491	0.7404	0.7142	0.1072
0.875	0.8083	0.8051	0.7979	0.7760	0.1661
0.900	0.8605	0.8577	0.8521	0.8349	0.2507
0.925	0.9077	0.9057	0.9018	0.8897	0.3725
0.950	0.9489	0.9477	0.9454	0.9382	0.5419
0.975	0.9816	0.9811	0.9803	0.9775	0.7719
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.	0.	0.
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.	0.5057	0.7359	0.9981
0.050	0.	0.	0.	0.1545	0.9943
0.075	0.	0.	0.	0.	0.9888
0.100	0.	0.	0.	0.	0.9815
0.125	0.	0.	0.	0.	0.9722
0.150	0.	0.	0.	0.	0.9605
0.175	0.	0.	0.	0.	0.9461
0.200	0.	0.	0.	0.	0.9285
0.225	0.	0.	0.	0.	0.9070
0.250	0.	0.	0.	0.	0.8808
0.275	0.	0.	0.	0.	0.8490
0.300	0.	0.	0.	0.	0.8104
0.325	0.	0.	0.	0.	0.7634
0.350	0.	0.	0.	0.	0.7061
0.375	0.	0.	0.	0.	0.6363
0.400	0.	0.	0.	0.	0.5473
0.425	0.	0.	0.	0.	0.4357
0.450	0.	0.	0.	0.	0.3015
0.475	0.	0.	0.	0.	0.1487
0.500	0.	0.	0.	0.	0.0103
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D = 1.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.5835	0.5982	0.6130	0.6290	0.6474
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.5835	0.5680	0.5506	0.5297	0.5022
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.6702	0.7014	0.7497	0.8405	0.9982
0.050	0.0099	0.0934	0.2665	0.5674	0.9946
0.075	0.	0.	0.	0.1542	0.9894
0.100	0.	0.	0.	0.	0.9825
0.125	0.	0.	0.	0.	0.9738
0.150	0.	0.	0.	0.	0.9629
0.175	0.	0.	0.	0.	0.9495
0.200	0.	0.	0.	0.	0.9331
0.225	0.	0.	0.	0.	0.9133
0.250	0.	0.	0.	0.	0.8893
0.275	0.	0.	0.	0.	0.8604
0.300	0.	0.	0.	0.	0.8253
0.325	0.	0.	0.	0.	0.7830
0.350	0.	0.	0.	0.	0.7318
0.375	0.	0.	0.	0.	0.6698
0.400	0.	0.	0.	0.	0.5939
0.425	0.	0.	0.	0.	0.5939
0.450	0.	0.	0.	0.	0.4966
0.475	0.	0.	0.	0.	0.3788
0.500	0.	0.	0.	0.	0.2404
0.525	0.	0.	0.	0.	0.0908
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.3820	0.0948	0.	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R =10.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.7892	0.7944	0.7997	0.8055	0.8123
0.050	0.4476	0.4642	0.4812	0.4997	0.5151
0.075	0.0265	0.0403	0.0563	0.0755	0.0999
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.0265	0.0142	0.0039	0.	0.
0.950	0.4476	0.4304	0.4113	0.3886	0.3595
0.975	0.7892	0.7839	0.7780	0.7711	0.7621
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8210	0.6333	0.6535	0.8963	0.9983
0.050	0.5345	0.5624	0.6095	0.7142	0.9949
0.075	0.1335	0.1849	0.2769	0.4898	0.9900
0.100	0.	0.	0.0027	0.1972	0.9836
0.125	0.	0.	0.	0.	0.9754
0.150	0.	0.	0.	0.	0.9653
0.175	0.	0.	0.	0.	0.9529
0.200	0.	0.	0.	0.	0.9379
0.225	0.	0.	0.	0.	0.9198
0.250	0.	0.	0.	0.	0.8980
0.275	0.	0.	0.	0.	0.8718
0.300	0.	0.	0.	0.	0.8404
0.325	0.	0.	0.	0.	0.8027
0.350	0.	0.	0.	0.	0.7574
0.375	0.	0.	0.	0.	0.7029
0.400	0.	0.	0.	0.	0.6373
0.425	0.	0.	0.	0.	0.5554
0.450	0.	0.	0.	0.	0.4543
0.475	0.	0.	0.	0.	0.3337
0.500	0.	0.	0.	0.	0.1952
0.525	0.	0.	0.	0.	0.0538
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.3170	0.2476	0.1013	0.	0.
0.975	0.7493	0.7278	0.6801	0.4045	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R =100.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9796	0.9797	0.9799	0.9801	0.9804
0.050	0.9432	0.9436	0.9441	0.9446	0.9453
0.075	0.8974	0.8982	0.8990	0.8999	0.9010
0.100	0.8449	0.8460	0.8472	0.8485	0.8500
0.125	0.7873	0.7887	0.7902	0.7919	0.7940
0.150	0.7259	0.7276	0.7294	0.7314	0.7339
0.175	0.6617	0.6636	0.6657	0.6681	0.6710
0.200	0.5955	0.5977	0.6000	0.6026	0.6059
0.225	0.5283	0.5306	0.5331	0.5360	0.5394
0.250	0.4591	0.4617	0.4644	0.4675	0.4712
0.275	0.3893	0.3919	0.3947	0.3979	0.4017
0.300	0.3209	0.3235	0.3263	0.3294	0.3333
0.325	0.2548	0.2573	0.2600	0.2631	0.2668
0.350	0.1921	0.1944	0.1969	0.1998	0.2034
0.375	0.1339	0.1360	0.1383	0.1409	0.1442
0.400	0.0819	0.0837	0.0857	0.0879	0.0907
0.425	0.0382	0.0396	0.0411	0.0429	0.0451
0.450	0.0070	0.0078	0.0086	0.0097	0.0110
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.0070	0.0063	0.0055	0.0047	0.0037
0.575	0.0382	0.0369	0.0354	0.0338	0.0319
0.600	0.0819	0.0801	0.0782	0.0761	0.0735
0.625	0.1339	0.1318	0.1295	0.1270	0.1239
0.650	0.1920	0.1897	0.1872	0.1844	0.1809
0.675	0.2548	0.2523	0.2496	0.2466	0.2429
0.700	0.3209	0.3183	0.3155	0.3124	0.3086
0.725	0.3893	0.3867	0.3839	0.3808	0.3769
0.750	0.4591	0.4566	0.4538	0.4507	0.4469
0.775	0.5283	0.5259	0.5234	0.5206	0.5170
0.800	0.5955	0.5933	0.5910	0.5883	0.5850
0.825	0.6617	0.6597	0.6576	0.6552	0.6522
0.850	0.7259	0.7242	0.7223	0.7203	0.7177
0.875	0.7873	0.7859	0.7844	0.7826	0.7805
0.900	0.8449	0.8438	0.8426	0.8413	0.8396
0.925	0.8974	0.8966	0.8958	0.8949	0.8937
0.950	0.9432	0.9427	0.9422	0.9417	0.9410
0.975	0.9796	0.9794	0.9792	0.9790	0.9787
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R =100.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9807	0.9812	0.9821	0.9844	0.9989
0.050	0.9461	0.9474	0.9498	0.9560	0.9968
0.075	0.9025	0.9047	0.9088	0.9196	0.9968
0.100	0.8522	0.8554	0.8612	0.8769	0.9939
0.125	0.7967	0.8009	0.8085	0.8291	0.9901
0.150	0.7373	0.7423	0.7516	0.7770	0.9855
0.175	0.6748	0.6807	0.6915	0.7212	0.9800
0.200	0.6102	0.6167	0.6288	0.6624	0.9734
0.225	0.5441	0.5512	0.5643	0.6013	0.9658
0.250	0.4763	0.4841	0.4985	0.5383	0.9569
0.275	0.4070	0.4149	0.4299	0.4726	0.9466
0.300	0.3385	0.3465	0.3617	0.4053	0.9348
0.325	0.2719	0.2798	0.2947	0.3382	0.9211
0.350	0.2082	0.2157	0.2299	0.2721	0.9055
0.375	0.1486	0.1554	0.1685	0.2082	0.8876
0.400	0.0945	0.1004	0.1119	0.1477	0.8671
0.425	0.0480	0.0528	0.0622	0.0924	0.8436
0.450	0.0128	0.0159	0.0222	0.0448	0.8166
0.475	0.	0.	0.	0.0095	0.7858
0.500	0.	0.	0.	0.	0.7504
0.525	0.	0.	0.	0.	0.7097
0.550	0.0026	0.0011	0.	0.	0.6631
0.575	0.0294	0.0256	0.0192	0.0050	0.6096
0.600	0.0700	0.0649	0.0557	0.0326	0.5467
0.625	0.1198	0.1136	0.1024	0.0726	0.4746
0.650	0.1763	0.1693	0.1565	0.1216	0.3925
0.675	0.2379	0.2304	0.2164	0.1776	0.3003
0.700	0.3034	0.2955	0.2808	0.2394	0.1994
0.725	0.3717	0.3637	0.3487	0.3058	0.0956
0.750	0.4418	0.4339	0.4190	0.3760	0.0092
0.775	0.5123	0.5050	0.4909	0.4489	0.
0.800	0.5806	0.5738	0.5607	0.5222	0.
0.825	0.6482	0.6420	0.6301	0.5947	0.
0.850	0.7142	0.7087	0.6983	0.6669	0.0053
0.875	0.7776	0.7730	0.7643	0.7378	0.0243
0.900	0.8373	0.8338	0.8270	0.8060	0.0600
0.925	0.8921	0.8896	0.8848	0.8698	0.1221
0.950	0.9401	0.9386	0.9357	0.9268	0.2279
0.975	0.9784	0.9778	0.9767	0.9733	0.4074
1.000	1.0000	1.0000	1.0000	1.0000	0.6766
					1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 1.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9826	0.9828	0.9829	0.9831	0.9833
0.050	0.9516	0.9520	0.9524	0.9528	0.9533
0.075	0.9125	0.9132	0.9138	0.9146	0.9155
0.100	0.8675	0.8684	0.8693	0.8704	0.8717
0.125	0.8179	0.8190	0.8202	0.8216	0.8233
0.150	0.7647	0.7661	0.7676	0.7693	0.7713
0.175	0.7087	0.7104	0.7121	0.7141	0.7165
0.200	0.6507	0.6526	0.6545	0.6568	0.6595
0.225	0.5913	0.5933	0.5955	0.5979	0.6009
0.250	0.5311	0.5332	0.5355	0.5381	0.5412
0.275	0.4696	0.4719	0.4743	0.4771	0.4805
0.300	0.4074	0.4097	0.4122	0.4150	0.4185
0.325	0.3461	0.3484	0.3509	0.3537	0.3572
0.350	0.2864	0.2886	0.2910	0.2938	0.2972
0.375	0.2289	0.2310	0.2333	0.2360	0.2392
0.400	0.1744	0.1764	0.1785	0.1810	0.1840
0.425	0.1239	0.1256	0.1275	0.1297	0.1324
0.450	0.0784	0.0800	0.0816	0.0834	0.0857
0.475	0.0398	0.0409	0.0422	0.0437	0.0455
0.500	0.0212	0.0213	0.0213	0.0214	0.0217
0.525	0.0398	0.0386	0.0374	0.0360	0.0344
0.550	0.0784	0.0769	0.0754	0.0736	0.0714
0.575	0.1239	0.1221	0.1202	0.1181	0.1155
0.600	0.1744	0.1724	0.1703	0.1679	0.1650
0.625	0.2289	0.2267	0.2244	0.2218	0.2187
0.650	0.2864	0.2841	0.2817	0.2790	0.2756
0.675	0.3461	0.3438	0.3413	0.3385	0.3351
0.700	0.4074	0.4051	0.4026	0.3998	0.3963
0.725	0.4696	0.4673	0.4649	0.4621	0.4587
0.750	0.5311	0.5289	0.5267	0.5241	0.5209
0.775	0.5913	0.5893	0.5872	0.5847	0.5817
0.800	0.6507	0.6489	0.6469	0.6447	0.6419
0.825	0.7087	0.7071	0.7053	0.7033	0.7008
0.850	0.7647	0.7632	0.7617	0.7600	0.7578
0.875	0.8179	0.8167	0.8154	0.8140	0.8122
0.900	0.8675	0.8666	0.8656	0.8645	0.8632
0.925	0.9125	0.9119	0.9112	0.9105	0.9095
0.950	0.9516	0.9513	0.9509	0.9504	0.9499
0.975	0.9826	0.9825	0.9824	0.9822	0.9820
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   1.00 DEGREES
GEOMETRY ...... D2/R =25.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	89.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9835	0.9839	0.9847	0.9865	0.9990
0.050	0.9540	0.9551	0.9570	0.9621	0.9970
0.075	0.9167	0.9185	0.9218	0.9306	0.9942
0.100	0.8734	0.8760	0.8809	0.8938	0.9907
0.125	0.8256	0.8290	0.8353	0.8523	0.9864
0.150	0.7741	0.7783	0.7860	0.8071	0.9813
0.175	0.7197	0.7246	0.7337	0.7586	0.9752
0.200	0.6631	0.6686	0.6789	0.7072	0.9681
0.225	0.6048	0.6109	0.6221	0.6536	0.9599
0.250	0.5455	0.5520	0.5640	0.5980	0.9505
0.275	0.4850	0.4920	0.5050	0.5410	0.9396
0.300	0.4232	0.4305	0.4437	0.4821	0.9272
0.325	0.3619	0.3690	0.3825	0.4216	0.9131
0.350	0.3018	0.3088	0.3222	0.3611	0.8969
0.375	0.2436	0.2503	0.2632	0.3013	0.8785
0.400	0.1880	0.1944	0.2065	0.2427	0.8575
0.425	0.1361	0.1418	0.1528	0.1863	0.8335
0.450	0.0889	0.0938	0.1034	0.1332	0.8062
0.475	0.0480	0.0519	0.0597	0.0847	0.7750
0.500	0.0221	0.0231	0.0259	0.0427	0.7395
0.525	0.0323	0.0291	0.0247	0.0212	0.6988
0.550	0.0586	0.0643	0.0566	0.0370	0.6524
0.575	0.1121	0.1070	0.0976	0.0728	0.5994
0.600	0.1611	0.1553	0.1445	0.1154	0.5376
0.625	0.2145	0.2061	0.1962	0.1636	0.4672
0.650	0.2712	0.2644	0.2517	0.2164	0.3876
0.675	0.3305	0.3234	0.3102	0.2731	0.2986
0.700	0.3917	0.3845	0.3712	0.3330	0.2017
0.725	0.4541	0.4470	0.4338	0.3954	0.1018
0.750	0.5165	0.5094	0.4974	0.4598	0.0211
0.775	0.5776	0.5713	0.5594	0.5244	0.0173
0.800	0.6381	0.6323	0.6213	0.5885	0.0362
0.825	0.6974	0.6922	0.6823	0.6526	0.0645
0.850	0.7549	0.7504	0.7418	0.7158	0.1057
0.875	0.8098	0.8061	0.7990	0.7773	0.1653
0.900	0.8613	0.8584	0.8529	0.8359	0.2515
0.925	0.9082	0.9062	0.9023	0.8903	0.3765
0.950	0.9491	0.9480	0.9457	0.9386	0.5460
0.975	0.9817	0.9813	0.9804	0.9777	0.7745
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R = 1.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.0048	0.1114	0.2369	0.3589	0.4768
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.0048	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

209

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ..... D2/R = 1.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.5931	0.7106	0.8306	0.9456	0.9999
0.050	0.0630	0.2514	0.5318	0.8394	0.9996
0.075	0.	0.	0.1350	0.6935	0.9991
0.100	0.	0.	0.	0.5140	0.9986
0.125	0.	0.	0.	0.3112	0.9979
0.150	0.	0.	0.	0.1092	0.9970
0.175	0.	0.	0.	0.	0.9960
0.200	0.	0.	0.	0.	0.9947
0.225	0.	0.	0.	0.	0.9931
0.250	0.	0.	0.	0.	0.9913
0.275	0.	0.	0.	0.	0.9890
0.300	0.	0.	0.	0.	0.9863
0.325	0.	0.	0.	0.	0.9831
0.350	0.	0.	0.	0.	0.9792
0.375	0.	0.	0.	0.	0.9745
0.400	0.	0.	0.	0.	0.9687
0.425	0.	0.	0.	0.	0.9616
0.450	0.	0.	0.	0.	0.9529
0.475	0.	0.	0.	0.	0.9420
0.500	0.	0.	0.	0.	0.9263
0.525	0.	0.	0.	0.	0.9110
0.550	0.	0.	0.	0.	0.8888
0.575	0.	0.	0.	0.	0.8598
0.600	0.	0.	0.	0.	0.8215
0.625	0.	0.	0.	0.	0.7701
0.650	0.	0.	0.	0.	0.6998
0.675	0.	0.	0.	0.	0.6017
0.700	0.	0.	0.	0.	0.4631
0.725	0.	0.	0.	0.	0.2692
0.750	0.	0.	0.	0.	0.0351
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... B2/R = 5.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8411	0.8508	0.8604	0.8703	0.8812
0.050	0.5863	0.6086	0.6307	0.6541	0.6803
0.075	0.3144	0.3449	0.3761	0.4098	0.4487
0.100	0.0616	0.1100	0.1410	0.1765	0.2196
0.125	0.	0.	0.	0.0101	0.0371
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.0816	0.0546	0.0286	0.0056	0.
0.925	0.3144	0.2826	0.2474	0.2061	0.1541
0.950	0.5863	0.5625	0.5353	0.5020	0.4571
0.975	0.8411	0.8305	0.8181	0.8026	0.7811
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A   RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R = 5.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8942	0.9107	0.9339	0.9693	0.9999
0.050	0.7120	0.7535	0.8136	0.9105	0.9996
0.075	0.4968	0.5621	0.6609	0.8308	0.9992
0.100	0.2760	0.3568	0.4475	0.7324	0.9987
0.125	0.0329	0.1607	0.3058	0.6174	0.9980
0.150	0.	0.0145	0.1338	0.4879	0.9972
0.175	0.	0.	0.0084	0.3481	0.9962
0.200	0.	0.	0.	0.2051	0.9950
0.225	0.	0.	0.	0.0736	0.9936
0.250	0.	0.	0.	0.	0.9918
0.275	0.	0.	0.	0.	0.9898
0.300	0.	0.	0.	0.	0.9873
0.325	0.	0.	0.	0.	0.9844
0.350	0.	0.	0.	0.	0.9809
0.375	0.	0.	0.	0.	0.9766
0.400	0.	0.	0.	0.	0.9715
0.425	0.	0.	0.	0.	0.9653
0.450	0.	0.	0.	0.	0.9577
0.475	0.	0.	0.	0.	0.9483
0.500	0.	0.	0.	0.	0.9366
0.525	0.	0.	0.	0.	0.9221
0.550	0.	0.	0.	0.	0.9036
0.575	0.	0.	0.	0.	0.8800
0.600	0.	0.	0.	0.	0.8493
0.625	0.	0.	0.	0.	0.8089
0.650	0.	0.	0.	0.	0.7549
0.675	0.	0.	0.	0.	0.6812
0.700	0.	0.	0.	0.	0.5792
0.725	0.	0.	0.	0.	0.4364
0.750	0.	0.	0.	0.	0.2396
0.775	0.	0.	0.	0.	0.0164
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.0842	0.0011	0.	0.	0.
0.950	0.3492	0.2669	0.0106	0.	0.
0.975	0.7468	0.6787	0.4651	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9316	0.9344	0.9372	0.9402	0.9437
0.050	0.8144	0.8213	0.8284	0.8360	0.8449
0.075	0.6741	0.6851	0.6965	0.7089	0.7234
0.100	0.5229	0.5374	0.5525	0.5690	0.5885
0.125	0.3704	0.3872	0.4047	0.4242	0.4474
0.150	0.2258	0.2431	0.2614	0.2821	0.3072
0.175	0.1000	0.1155	0.1323	0.1518	0.1760
0.200	0.0115	0.0206	0.0318	0.0460	0.0651
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.0115	0.0043	0.	0.	0.
0.825	0.1000	0.0850	0.0696	0.0529	0.0341
0.850	0.2258	0.2084	0.1900	0.1690	0.1436
0.875	0.3704	0.3534	0.3349	0.3136	0.2869
0.900	0.5229	0.5080	0.4917	0.4725	0.4482
0.925	0.6741	0.6626	0.6499	0.6349	0.6156
0.950	0.8144	0.8071	0.7991	0.7895	0.7770
0.975	0.9316	0.9287	0.9254	0.9215	0.9164
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R =10.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9480	0.9539	0.9631	0.9798	0.9999
0.050	0.8560	0.8714	0.8956	0.9416	0.9996
0.075	0.7418	0.7675	0.8088	0.8902	0.9992
0.100	0.6135	0.6490	0.7014	0.8273	0.9987
0.125	0.4776	0.5213	0.5950	0.7536	0.9981
0.150	0.3403	0.3894	0.4751	0.6701	0.9973
0.175	0.2089	0.2594	0.3517	0.5776	0.9964
0.200	0.0931	0.1390	0.2301	0.4773	0.9953
0.225	0.0104	0.0406	0.1177	0.3712	0.9940
0.250	0.	0.	0.0279	0.2623	0.9924
0.275	0.	0.	0.	0.1556	0.9905
0.300	0.	0.	0.	0.0602	0.9882
0.325	0.	0.	0.	0.0000	0.9856
0.350	0.	0.	0.	0.	0.9824
0.375	0.	0.	0.	0.	0.9766
0.400	0.	0.	0.	0.	0.9740
0.425	0.	0.	0.	0.	0.9685
0.450	0.	0.	0.	0.	0.9618
0.475	0.	0.	0.	0.	0.9536
0.500	0.	0.	0.	0.	0.9436
0.525	0.	0.	0.	0.	0.9312
0.550	0.	0.	0.	0.	0.9157
0.575	0.	0.	0.	0.	0.8962
0.600	0.	0.	0.	0.	0.8713
0.625	0.	0.	0.	0.	0.8390
0.650	0.	0.	0.	0.	0.7966
0.675	0.	0.	0.	0.	0.7402
0.700	0.	0.	0.	0.	0.6636
0.725	0.	0.	0.	0.	0.5583
0.750	0.	0.	0.	0.	0.4122
0.775	0.	0.	0.	0.	0.2143
0.800	0.	0.	0.	0.	0.0048
0.825	0.0130	0.	0.	0.	0.
0.650	0.1101	0.0621	0.0002	0.	0.
0.875	0.2503	0.1933	0.0885	0.	0.
0.900	0.4140	0.3585	0.2452	0.	0.
0.925	0.5380	0.5418	0.4411	0.0651	0.
0.950	0.7598	0.7277	0.6561	0.3094	0.
0.975	0.9087	0.8954	0.8634	0.6706	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY .... D2/R =)0.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9892	0.9894	0.9897	0.9899	0.5902
0.050	0.9698	0.9704	0.9710	0.9717	0.9725
0.075	0.9451	0.9462	0.9472	0.9484	0.9499
0.100	0.9165	0.9180	0.9195	0.9213	0.9234
0.125	0.8846	0.8866	0.8887	0.8910	0.8938
0.150	0.8501	0.8526	0.8552	0.8580	0.8615
0.175	0.8134	0.8163	0.8194	0.8228	0.8270
0.200	0.7749	0.7782	0.7818	0.7857	0.7905
0.225	0.7348	0.7386	0.7425	0.7470	0.7523
0.250	0.6935	0.6976	0.7019	0.7068	0.7127
0.275	0.6512	0.6556	0.6603	0.6655	0.6719
0.300	0.6181	0.6218	0.6258	0.6304	0.6361
0.325	0.5936	0.5969	0.6005	0.6046	0.6097
0.350	0.5741	0.5770	0.5802	0.5839	0.5884
0.375	0.5585	0.5610	0.5638	0.5669	0.5709
0.400	0.5464	0.5464	0.5507	0.5533	0.5566
0.425	0.5372	0.5387	0.5405	0.5425	0.5452
0.450	0.5307	0.5318	0.5330	0.5345	0.5364
0.475	0.5269	0.5275	0.5282	0.5290	0.5302
0.500	0.5257	0.5257	0.5258	0.5261	0.5265
0.525	0.5269	0.5265	0.5260	0.5256	0.5253
0.550	0.5307	0.5298	0.5288	0.5278	0.5267
0.575	0.5372	0.5357	0.5342	0.5325	0.5307
0.600	0.5464	0.5444	0.5423	0.5401	0.5375
0.625	0.5585	0.5561	0.5535	0.5507	0.5474
0.650	0.5741	0.5712	0.5682	0.5648	0.5607
0.675	0.5936	0.5903	0.5868	0.5829	0.5782
0.700	0.6181	0.6144	0.6105	0.6061	0.6007
0.725	0.6512	0.6468	0.6422	0.6371	0.6309
0.750	0.6935	0.6894	0.6850	0.6799	0.6736
0.775	0.7348	0.7311	0.7270	0.7224	0.7166
0.800	0.7749	0.7715	0.7679	0.7637	0.7585
0.825	0.8134	0.8105	0.8073	0.8037	0.7991
0.850	0.8501	0.8477	0.8450	0.8419	0.8380
0.875	0.8846	0.8826	0.8805	0.8780	0.8749
0.900	0.9165	0.9150	0.9133	0.9114	0.9091
0.925	0.9451	0.9441	0.9430	0.9417	0.9400
0.950	0.9698	0.9692	0.9686	0.9678	0.9669
0.975	0.9892	0.9890	0.9887	0.9885	0.9881
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R =00.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9906	0.9912	0.9922	0.9945	0.9999
0.050	0.9736	0.9751	0.9778	0.9842	0.9997
0.075	0.9517	0.9545	0.9593	0.9706	0.9994
0.100	0.9261	0.9302	0.9373	0.9545	0.9990
0.125	0.8974	0.9029	0.9124	0.9358	0.9985
0.150	0.8661	0.8729	0.8849	0.9148	0.9980
0.175	0.8325	0.8406	0.8552	0.8916	0.9973
0.200	0.7968	0.8063	0.8233	0.8663	0.9965
0.225	0.7595	0.7702	0.7894	0.8389	0.9956
0.250	0.7205	0.7324	0.7539	0.8097	0.9945
0.275	0.6805	0.6933	0.7167	0.7785	0.9932
0.300	0.6438	0.6557	0.6786	0.7455	0.9918
0.325	0.6167	0.6277	0.6488	0.7118	0.9901
0.350	0.5947	0.6046	0.6241	0.6840	0.9881
0.375	0.5764	0.5853	0.6029	0.6593	0.9858
0.400	0.5613	0.5689	0.5845	0.6367	0.9831
0.425	0.5490	0.5553	0.5686	0.6159	0.9800
0.450	0.5393	0.5442	0.5550	0.5967	0.9764
0.475	0.5321	0.5355	0.5437	0.5790	0.9721
0.500	0.5274	0.5293	0.5346	0.5629	0.9672
0.525	0.5251	0.5254	0.5279	0.5485	0.9618
0.550	0.5254	0.5241	0.5236	0.5359	0.9555
0.575	0.5284	0.5255	0.5218	0.5254	0.9481
0.600	0.5342	0.5296	0.5229	0.5173	0.9395
0.625	0.5431	0.5370	0.5271	0.5119	0.9292
0.650	0.5555	0.5478	0.5349	0.5099	0.9169
0.675	0.5720	0.5628	0.5469	0.5119	0.9020
0.700	0.5936	0.5830	0.5641	0.5189	0.8838
0.725	0.6227	0.6105	0.5883	0.5325	0.8613
0.750	0.6651	0.6518	0.6261	0.5558	0.8333
0.775	0.7087	0.6964	0.6725	0.5984	0.7980
0.800	0.7514	0.7403	0.7185	0.6498	0.7530
0.825	0.7929	0.7831	0.7638	0.7018	0.6951
0.850	0.8328	0.8244	0.8078	0.7537	0.6204
0.875	0.8706	0.8637	0.8502	0.8049	0.5250
0.900	0.9058	0.9006	0.8901	0.8547	0.4100
0.925	0.9378	0.9342	0.9269	0.9017	0.3128
0.950	0.9656	0.9635	0.9592	0.9443	0.4367
0.975	0.9876	0.9868	0.9852	0.9795	0.6825
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

216

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9901	0.9903	0.9905	0.9907	0.9910
0.050	0.9722	0.9728	0.9733	0.9739	0.9747
0.075	0.9495	0.9505	0.9514	0.9525	0.9538
0.100	0.9231	0.9245	0.9259	0.9275	0.9294
0.125	0.8937	0.8955	0.8974	0.8995	0.9020
0.150	0.8618	0.8641	0.8664	0.8690	0.8722
0.175	0.8279	0.8305	0.8333	0.8364	0.8402
0.200	0.7921	0.7952	0.7984	0.8020	0.8064
0.225	0.7549	0.7584	0.7620	0.7661	0.7710
0.250	0.7216	0.7248	0.7282	0.7320	0.7368
0.275	0.6977	0.7007	0.7038	0.7074	0.7119
0.300	0.6786	0.6813	0.6842	0.6876	0.6917
0.325	0.6529	0.6654	0.6680	0.6711	0.6749
0.350	0.6500	0.6522	0.6545	0.6573	0.6607
0.375	0.6395	0.6414	0.6434	0.6458	0.6487
0.400	0.6312	0.6328	0.6344	0.6364	0.6389
0.425	0.6249	0.6261	0.6274	0.6289	0.6309
0.450	0.6205	0.6213	0.6222	0.6233	0.6247
0.475	0.6179	0.6183	0.6188	0.6194	0.6203
0.500	0.6170	0.6170	0.6171	0.6173	0.6176
0.525	0.6179	0.6175	0.6172	0.6169	0.6167
0.550	0.6205	0.6193	0.6190	0.6183	0.6175
0.575	0.6249	0.6235	0.6227	0.6215	0.6201
0.600	0.6312	0.6298	0.6283	0.6266	0.6247
0.625	0.6395	0.6377	0.6358	0.6338	0.6313
0.650	0.6500	0.6479	0.6456	0.6431	0.6402
0.675	0.6629	0.6604	0.6579	0.6550	0.6515
0.700	0.6786	0.6759	0.6730	0.6698	0.6659
0.725	0.6977	0.6947	0.6916	0.6881	0.6938
0.750	0.7216	0.7184	0.7150	0.7112	0.7065
0.775	0.7549	0.7515	0.7478	0.7435	0.7382
0.800	0.7921	0.7891	0.7857	0.7819	0.7772
0.825	0.8279	0.8252	0.8223	0.8190	0.8149
0.850	0.8618	0.8596	0.8572	0.8544	0.8509
0.875	0.8937	0.8919	0.8900	0.8877	0.8849
0.900	0.9231	0.9210	0.9203	0.9186	0.9164
0.925	0.9495	0.9486	0.9476	0.9464	0.9450
0.950	0.9722	0.9717	0.9711	0.9705	0.9696
0.975	0.9901	0.9899	0.9897	0.9894	0.9891
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R =25.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9913	0.9919	0.9928	0.9949	0.9999
0.050	0.9756	0.9770	0.9795	0.9853	0.9997
0.075	0.9555	0.9580	0.9623	0.9727	0.9994
0.100	0.9318	0.9355	0.9420	0.9576	0.9990
0.125	0.9053	0.9102	0.9189	0.9402	0.9986
0.150	0.8763	0.8825	0.8935	0.9207	0.9980
0.175	0.8452	0.8526	0.8659	0.8991	0.9974
0.200	0.8122	0.8208	0.8363	0.8756	0.9966
0.225	0.7775	0.7873	0.8049	0.8503	0.9957
0.250	0.7432	0.7531	0.7719	0.8231	0.9946
0.275	0.7179	0.7272	0.7448	0.7949	0.9934
0.300	0.6974	0.7061	0.7229	0.7718	0.9920
0.325	0.6801	0.6882	0.7040	0.7514	0.9903
0.350	0.6653	0.6728	0.6873	0.7328	0.9884
0.375	0.6529	0.6594	0.6727	0.7155	0.9862
0.400	0.6424	0.6480	0.6597	0.6993	0.9836
0.425	0.6337	0.6384	0.6484	0.6842	0.9807
0.450	0.6269	0.6305	0.6386	0.6701	0.9776
0.475	0.6217	0.6243	0.6304	0.6571	0.9741
0.500	0.6183	0.6197	0.6238	0.6451	0.9701
0.525	0.6166	0.6168	0.6187	0.6343	0.9656
0.550	0.6166	0.6156	0.6153	0.6248	0.9602
0.575	0.6184	0.6163	0.6137	0.6168	0.9541
0.600	0.6222	0.6189	0.6140	0.6103	0.9468
0.625	0.6281	0.6236	0.6164	0.6058	0.9382
0.650	0.6363	0.6307	0.6212	0.6034	0.9279
0.675	0.6470	0.6403	0.6287	0.6036	0.9155
0.700	0.6607	0.6530	0.6393	0.6070	0.9005
0.725	0.6780	0.6694	0.6537	0.6143	0.8821
0.750	0.7002	0.6906	0.6731	0.6267	0.8593
0.775	0.7310	0.7199	0.6999	0.6460	0.8309
0.800	0.7707	0.7605	0.7406	0.6775	0.7950
0.825	0.8092	0.8002	0.7826	0.7260	0.7492
0.850	0.8461	0.8385	0.8234	0.7743	0.6907
0.875	0.8810	0.8748	0.8626	0.8217	0.6164
0.900	0.9135	0.9088	0.8994	0.8675	0.5258
0.925	0.9429	0.9397	0.9331	0.9106	0.4348
0.950	0.9684	0.9666	0.9628	0.9494	0.4873
0.975	0.9887	0.9880	0.9365	0.9814	0.7223
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.0031	0.2266	0.4260	0.5411	0.6139
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.0031	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

219

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.6486	0.7686	0.8567	0.9504	0.9999
0.050	0.0862	0.3396	0.6016	0.8538	0.9996
0.075	0.	0.	0.2356	0.7214	0.9991
0.100	0.	0.	0.	0.5581	0.9986
0.125	0.	0.	0.	0.3444	0.9979
0.150	0.	0.	0.	0.1213	0.9970
0.175	0.	0.	0.	0.	0.9960
0.200	0.	0.	0.	0.	0.9947
0.225	0.	0.	0.	0.	0.9932
0.250	0.	0.	0.	0.	0.9913
0.275	0.	0.	0.	0.	0.9891
0.300	0.	0.	0.	0.	0.9865
0.325	0.	0.	0.	0.	0.9833
0.350	0.	0.	0.	0.	0.9794
0.375	0.	0.	0.	0.	0.9748
0.400	0.	0.	0.	0.	0.9691
0.425	0.	0.	0.	0.	0.9621
0.450	0.	0.	0.	0.	0.9536
0.475	0.	0.	0.	0.	0.9429
0.500	0.	0.	0.	0.	0.9296
0.525	0.	0.	0.	0.	0.9127
0.550	0.	0.	0.	0.	0.8910
0.575	0.	0.	0.	0.	0.8628
0.600	0.	0.	0.	0.	0.8258
0.625	0.	0.	0.	0.	0.7761
0.650	0.	0.	0.	0.	0.7083
0.675	0.	0.	0.	0.	0.6124
0.700	0.	0.	0.	0.	0.4735
0.725	0.	0.	0.	0.	0.2768
0.750	0.	0.	0.	0.	0.0359
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

   SOLAR FIELD ANGLE, D=   3.00 DEGREES
   GEOMETRY ...... D2/R = 5.00   AND H/R = 0.5

   BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8590	0.8672	0.8752	0.8835	0.8929
0.050	0.6299	0.6488	0.6677	0.6877	0.7103
0.075	0.3521	0.3954	0.4190	0.4548	0.4955
0.100	0.0851	0.1173	0.1522	0.1919	0.2397
0.125	0.	0.	0.	0.0067	0.0352
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.0851	0.0546	0.0256	0.0020	0.
0.925	0.3521	0.3171	0.2780	0.2313	0.1714
0.950	0.6299	0.6097	0.5868	0.5567	0.5211
0.975	0.8590	0.8502	0.8400	0.8274	0.8099
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A   RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9040	0.9183	0.9387	0.9709	0.9999
0.050	0.7378	0.7740	0.8272	0.9152	0.9996
0.075	0.5394	0.5972	0.6853	0.8397	0.9992
0.100	0.3013	0.3880	0.5231	0.7467	0.9987
0.125	0.0557	0.1715	0.3282	0.6378	0.9980
0.150	0.	0.0115	0.1405	0.5135	0.9972
0.175	0.	0.	0.0058	0.3665	0.9962
0.200	0.	0.	0.	0.2146	0.9950
0.225	0.	0.	0.	0.0743	0.9936
0.250	0.	0.	0.	0.	0.9919
0.275	0.	0.	0.	0.	0.9899
0.300	0.	0.	0.	0.	0.9874
0.325	0.	0.	0.	0.	0.9845
0.350	0.	0.	0.	0.	0.9811
0.375	0.	0.	0.	0.	0.9769
0.400	0.	0.	0.	0.	0.9718
0.425	0.	0.	0.	0.	0.9657
0.450	0.	0.	0.	0.	0.9582
0.475	0.	0.	0.	0.	0.9489
0.500	0.	0.	0.	0.	0.9375
0.525	0.	0.	0.	0.	0.9232
0.550	0.	0.	0.	0.	0.9051
0.575	0.	0.	0.	0.	0.8820
0.600	0.	0.	0.	0.	0.8520
0.625	0.	0.	0.	0.	0.8126
0.650	0.	0.	0.	0.	0.7601
0.675	0.	0.	0.	0.	0.6887
0.700	0.	0.	0.	0.	0.5876
0.725	0.	0.	0.	0.	0.4437
0.750	0.	0.	0.	0.	0.2435
0.775	0.	0.	0.	0.	0.0149
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.0896	0.	0.	0.	0.
0.950	0.4557	0.3178	0.0031	0.	0.
0.975	0.7826	0.7296	0.5717	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9354	0.9379	0.9405	0.9433	0.9465
0.050	0.8242	0.8306	0.8372	0.8443	0.8525
0.075	0.6907	0.7010	0.7115	0.7231	0.7366
0.100	0.5460	0.5595	0.5737	0.5892	0.6075
0.125	0.3883	0.4059	0.4242	0.4444	0.4685
0.150	0.2334	0.2518	0.2712	0.2931	0.3195
0.175	0.0991	0.1155	0.1334	0.1540	0.1797
0.200	0.0076	0.0165	0.0278	0.0424	0.0624
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.0076	0.0014	0.	0.	0.
0.825	0.0991	0.0832	0.0669	0.0494	0.0299
0.850	0.2334	0.2150	0.1953	0.1730	0.1458
0.875	0.3883	0.3704	0.3510	0.3285	0.3002
0.900	0.5460	0.5321	0.5168	0.4989	0.4740
0.925	0.6907	0.6800	0.6683	0.6544	0.6365
0.950	0.8242	0.8175	0.8101	0.8013	0.7898
0.975	0.9354	0.9327	0.9297	0.9261	0.9214
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ....... D2/R =10.00   AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9505	0.9560	0.9646	0.9805	0.9999
0.050	0.8629	0.8772	0.8999	0.9435	0.9996
0.075	0.7538	0.7778	0.8167	0.8938	0.9992
0.100	0.6309	0.6643	0.7193	0.8329	0.9987
0.125	0.4996	0.5414	0.6111	0.7618	0.9981
0.150	0.3542	0.4054	0.4938	0.6811	0.9973
0.175	0.2145	0.2677	0.3643	0.5916	0.9964
0.200	0.0917	0.1402	0.2360	0.4921	0.9953
0.225	0.0063	0.0371	0.1175	0.3820	0.9940
0.250	0.	0.	0.0242	0.2684	0.9924
0.275	0.	0.	0.	0.1568	0.9905
0.300	0.	0.	0.	0.0575	0.9883
0.325	0.	0.	0.	0.	0.9857
0.350	0.	0.	0.	0.	0.9825
0.375	0.	0.	0.	0.	0.9787
0.400	0.	0.	0.	0.	0.9742
0.425	0.	0.	0.	0.	0.9687
0.450	0.	0.	0.	0.	0.9621
0.475	0.	0.	0.	0.	0.9541
0.500	0.	0.	0.	0.	0.9442
0.525	0.	0.	0.	0.	0.9320
0.550	0.	0.	0.	0.	0.9167
0.575	0.	0.	0.	0.	0.8975
0.600	0.	0.	0.	0.	0.8730
0.625	0.	0.	0.	0.	0.8413
0.650	0.	0.	0.	0.	0.7998
0.675	0.	0.	0.	0.	0.7446
0.700	0.	0.	0.	0.	0.6699
0.725	0.	0.	0.	0.	0.5645
0.750	0.	0.	0.	0.	0.4168
0.775	0.	0.	0.	0.	0.2150
0.800	0.	0.	0.	0.	0.0027
0.825	0.0088	0.	0.	0.	0.
0.850	0.1100	0.0588	0.	0.	0.
0.875	0.2612	0.2001	0.0869	0.	0.
0.900	0.4383	0.3798	0.2584	0.	0.
0.925	0.6110	0.5683	0.4743	0.0605	0.
0.950	0.7731	0.7447	0.6799	0.3460	0.
0.975	0.9144	0.9024	0.8737	0.7078	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

224

◊◊◊ RELATIVE ENERGY FLUX DENSITY IN THE ◊◊◊
◊◊◊ PENUMBRA OF A RECTANGULAR CYLINDER ◊◊◊

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R =00.00   AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ◊◊◊	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9892	0.9895	0.9897	0.9899	0.9902
0.050	0.9699	0.9705	0.9711	0.9717	0.9726
0.075	0.9453	0.9463	0.9473	0.9485	0.9500
0.100	0.9167	0.9181	0.9197	0.9214	0.9235
0.125	0.8849	0.8868	0.8889	0.8912	0.8940
0.150	0.8504	0.8529	0.8554	0.8583	0.8618
0.175	0.8138	0.8167	0.8198	0.8232	0.8273
0.200	0.7753	0.7787	0.7822	0.7861	0.7909
0.225	0.7353	0.7391	0.7430	0.7474	0.7528
0.250	0.6941	0.6982	0.7025	0.7074	0.7133
0.275	0.6519	0.6563	0.6609	0.6662	0.6726
0.300	0.6173	0.6211	0.6251	0.6298	0.6355
0.325	0.5924	0.5958	0.5994	0.6035	0.6087
0.350	0.5728	0.5758	0.5789	0.5826	0.5872
0.375	0.5571	0.5596	0.5624	0.5656	0.5697
0.400	0.5446	0.5467	0.5490	0.5516	0.5550
0.425	0.5352	0.5368	0.5385	0.5406	0.5434
0.450	0.5286	0.5297	0.5309	0.5324	0.5344
0.475	0.5247	0.5253	0.5260	0.5268	0.5281
0.500	0.5234	0.5235	0.5236	0.5238	0.5243
0.525	0.5247	0.5242	0.5238	0.5234	0.5231
0.550	0.5286	0.5276	0.5266	0.5256	0.5244
0.575	0.5352	0.5337	0.5321	0.5305	0.5286
0.600	0.5446	0.5426	0.5405	0.5382	0.5356
0.625	0.5571	0.5546	0.5520	0.5491	0.5457
0.650	0.5728	0.5699	0.5669	0.5635	0.5594
0.675	0.5924	0.5891	0.5856	0.5817	0.5769
0.700	0.6173	0.6136	0.6096	0.6052	0.5998
0.725	0.6519	0.6475	0.6427	0.6373	0.6309
0.750	0.6941	0.6900	0.6856	0.6805	0.6743
0.775	0.7353	0.7316	0.7275	0.7229	0.7171
0.800	0.7753	0.7720	0.7683	0.7642	0.7590
0.825	0.8138	0.8109	0.8077	0.8041	0.7995
0.850	0.8504	0.8480	0.8453	0.8422	0.8384
0.875	0.8849	0.8829	0.8807	0.8782	0.8751
0.900	0.9167	0.9151	0.9135	0.9116	0.9093
0.925	0.9453	0.9442	0.9431	0.9418	0.9402
0.950	0.9699	0.9693	0.9686	0.9679	0.9670
0.975	0.9892	0.9890	0.9888	0.9885	0.9881
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9906	0.9912	0.9922	0.9945	0.9999
0.050	0.9736	0.9752	0.9779	0.9843	0.9997
0.075	0.9518	0.9546	0.9594	0.9708	0.9994
0.100	0.9263	0.9303	0.9374	0.9546	0.9990
0.125	0.8976	0.9031	0.9126	0.9359	0.9985
0.150	0.8664	0.8731	0.8652	0.9149	0.9980
0.175	0.8328	0.8409	0.8554	0.8918	0.9973
0.200	0.7972	0.8067	0.8236	0.8665	0.9965
0.225	0.7599	0.7706	0.7898	0.8392	0.9956
0.250	0.7211	0.7329	0.7543	0.8100	0.9945
0.275	0.6811	0.6939	0.7172	0.7789	0.9932
0.300	0.6433	0.6554	0.6768	0.7459	0.9918
0.325	0.6158	0.6268	0.6480	0.7117	0.9901
0.350	0.5936	0.6035	0.6231	0.6833	0.9881
0.375	0.5752	0.5841	0.6018	0.6584	0.9858
0.400	0.5598	0.5676	0.5834	0.6357	0.9831
0.425	0.5472	0.5536	0.5671	0.6149	0.9800
0.450	0.5373	0.5423	0.5533	0.5955	0.9764
0.475	0.5300	0.5334	0.5418	0.5775	0.9721
0.500	0.5252	0.5271	0.5325	0.5612	0.9672
0.525	0.5229	0.5232	0.5257	0.5465	0.9617
0.550	0.5232	0.5219	0.5213	0.5338	0.9554
0.575	0.5262	0.5233	0.5195	0.5231	0.9480
0.600	0.5322	0.5276	0.5207	0.5149	0.9393
0.625	0.5413	0.5351	0.5250	0.5096	0.9290
0.650	0.5541	0.5463	0.5331	0.5076	0.9167
0.675	0.5707	0.5615	0.5454	0.5098	0.9017
0.700	0.5926	0.5819	0.5628	0.5172	0.8835
0.725	0.6225	0.6100	0.5876	0.5311	0.8610
0.750	0.6657	0.6524	0.6268	0.5550	0.8330
0.775	0.7093	0.6970	0.6731	0.5992	0.7977
0.800	0.7519	0.7408	0.7191	0.6505	0.7528
0.825	0.7933	0.7835	0.7642	0.7024	0.6948
0.850	0.8331	0.8247	0.8082	0.7542	0.6193
0.875	0.8708	0.8640	0.8505	0.8054	0.5227
0.900	0.9060	0.9008	0.8904	0.8550	0.4063
0.925	0.9379	0.9343	0.9270	0.9019	0.3097
0.950	0.9656	0.9636	0.9593	0.9444	0.4380
0.975	0.9877	0.9869	0.9853	0.9795	0.6835
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9901	0.9903	0.9905	0.9907	0.9910
0.050	0.9723	0.9728	0.9734	0.9740	0.9747
0.075	0.9496	0.9505	0.9515	0.9526	0.9538
0.100	0.9232	0.9246	0.9260	0.9276	0.9295
0.125	0.8939	0.8957	0.8975	0.8996	0.9021
0.150	0.8620	0.8642	0.8666	0.8692	0.8723
0.175	0.8281	0.8307	0.8335	0.8367	0.8404
0.200	0.7924	0.7955	0.7987	0.8023	0.8067
0.225	0.7553	0.7587	0.7623	0.7664	0.7713
0.250	0.7209	0.7241	0.7276	0.7315	0.7363
0.275	0.6966	0.6996	0.7028	0.7064	0.7109
0.300	0.6773	0.6800	0.6830	0.6863	0.6905
0.325	0.6616	0.6640	0.6667	0.6698	0.6736
0.350	0.6487	0.6509	0.6533	0.6560	0.6594
0.375	0.6384	0.6402	0.6422	0.6446	0.6476
0.400	0.6300	0.6316	0.6332	0.6352	0.6378
0.425	0.6236	0.6248	0.6261	0.6276	0.6296
0.450	0.6191	0.6199	0.6208	0.6219	0.6234
0.475	0.6164	0.6168	0.6173	0.6180	0.6189
0.500	0.6155	0.6155	0.6156	0.6158	0.6162
0.525	0.6164	0.6160	0.6157	0.6154	0.6152
0.550	0.6191	0.6183	0.6176	0.6168	0.6160
0.575	0.6236	0.6225	0.6213	0.6201	0.6187
0.600	0.6300	0.6285	0.6270	0.6253	0.6234
0.625	0.6384	0.6366	0.6347	0.6326	0.6301
0.650	0.6487	0.6466	0.6443	0.6419	0.6389
0.675	0.6616	0.6591	0.6565	0.6537	0.6502
0.700	0.6773	0.6745	0.6717	0.6684	0.6645
0.725	0.6966	0.6936	0.6905	0.6869	0.6826
0.750	0.7209	0.7177	0.7143	0.7104	0.7056
0.775	0.7553	0.7518	0.7481	0.7438	0.7386
0.800	0.7924	0.7893	0.7860	0.7822	0.7775
0.825	0.8281	0.8254	0.8225	0.8192	0.8151
0.850	0.8620	0.8598	0.8574	0.8546	0.8511
0.875	0.8939	0.8921	0.8901	0.8879	0.8850
0.900	0.9232	0.9219	0.9204	0.9187	0.9166
0.925	0.9496	0.9487	0.9477	0.9465	0.9450
0.950	0.9723	0.9718	0.9712	0.9705	0.9697
0.975	0.9901	0.9899	0.9897	0.9894	0.9891
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R =/25.00   AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9913	0.9919	0.9928	0.9949	0.9999
0.050	0.9757	0.9771	0.9795	0.9853	0.9997
0.075	0.9555	0.9580	0.9624	0.9728	0.9994
0.100	0.9319	0.9356	0.9420	0.9577	0.9990
0.125	0.9055	0.9104	0.9190	0.9403	0.9986
0.150	0.8765	0.8827	0.8936	0.9208	0.9980
0.175	0.8454	0.8528	0.8660	0.8992	0.9974
0.200	0.8124	0.8211	0.8365	0.8758	0.9966
0.225	0.7778	0.7876	0.8052	0.8504	0.9957
0.250	0.7429	0.7529	0.7722	0.8233	0.9946
0.275	0.7170	0.7263	0.7440	0.7947	0.9934
0.300	0.6962	0.7050	0.7218	0.7711	0.9920
0.325	0.6788	0.6870	0.7028	0.7505	0.9903
0.350	0.6541	0.6715	0.6861	0.7317	0.9884
0.375	0.6517	0.6583	0.6715	0.7144	0.9862
0.400	0.6413	0.6470	0.6586	0.6982	0.9836
0.425	0.6325	0.6373	0.6474	0.6832	0.9807
0.450	0.6255	0.6292	0.6375	0.6692	0.9776
0.475	0.6203	0.6229	0.6291	0.6561	0.9740
0.500	0.6168	0.6182	0.6224	0.6440	0.9700
0.525	0.6151	0.6153	0.6172	0.6331	0.9654
0.550	0.6151	0.6141	0.6138	0.6234	0.9601
0.575	0.6170	0.6148	0.6122	0.6153	0.9539
0.600	0.6209	0.6175	0.6125	0.6088	0.9466
0.625	0.6249	0.6223	0.6150	0.6042	0.9379
0.650	0.6350	0.6294	0.6200	0.6018	0.9276
0.675	0.6456	0.6389	0.6273	0.6021	0.9152
0.700	0.6593	0.6516	0.6378	0.6055	0.9002
0.725	0.6768	0.6681	0.6523	0.6127	0.8818
0.750	0.6993	0.6896	0.6719	0.6251	0.8590
0.775	0.7313	0.7200	0.6995	0.6448	0.8305
0.800	0.7710	0.7608	0.7409	0.6779	0.7946
0.825	0.8094	0.8005	0.7829	0.7264	0.7490
0.850	0.8443	0.8387	0.8237	0.7746	0.6900
0.875	0.8512	0.8750	0.8627	0.8220	0.6150
0.900	0.9136	0.9089	0.8995	0.8677	0.5234
0.925	0.9430	0.9398	0.9332	0.9108	0.4318
0.950	0.9585	0.9666	0.9628	0.9495	0.4881
0.975	0.9887	0.9880	0.9866	0.9815	0.7229
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.	0.5525	0.6028	0.6508	0.6994
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...,... D2/R = 1.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.7510	0.8088	0.8764	0.9544	0.9999
0.050	0.1336	0.4658	0.6548	0.8659	0.9996
0.075	0.	0.	0.2926	0.7448	0.9991
0.100	0.	0.	0.	0.5953	0.9986
0.125	0.	0.	0.	0.3832	0.9979
0.150	0.	0.	0.	0.1358	0.9971
0.175	0.	0.	0.	0.	0.9960
0.200	0.	0.	0.	0.	0.9948
0.225	0.	0.	0.	0.	0.9932
0.250	0.	0.	0.	0.	0.9914
0.275	0.	0.	0.	0.	0.9892
0.300	0.	0.	0.	0.	0.9866
0.325	0.	0.	0.	0.	0.9835
0.350	0.	0.	0.	0.	0.9797
0.375	0.	0.	0.	0.	0.9797
0.400	0.	0.	0.	0.	0.9695
0.425	0.	0.	0.	0.	0.9627
0.450	0.	0.	0.	0.	0.9542
0.475	0.	0.	0.	0.	0.9438
0.500	0.	0.	0.	0.	0.9307
0.525	0.	0.	0.	0.	0.9307
0.550	0.	0.	0.	0.	0.9142
0.575	0.	0.	0.	0.	0.8931
0.600	0.	0.	0.	0.	0.8657
0.625	0.	0.	0.	0.	0.8297
0.650	0.	0.	0.	0.	0.7817
0.675	0.	0.	0.	0.	0.7163
0.700	0.	0.	0.	0.	0.6232
0.725	0.	0.	0.	0.	0.4841
0.750	0.	0.	0.	0.	0.2846
0.775	0.	0.	0.	0.	0.0367
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8735	0.8804	0.8873	0.8945	0.9025
0.050	0.6557	0.6820	0.6984	0.7157	0.7354
0.075	0.4002	0.4363	0.4721	0.5077	0.5381
0.100	0.0896	0.1264	0.1662	0.2110	0.2643
0.125	0.	0.	0.	0.0032	0.0330
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.0896	0.0546	0.0218	0.	0.
0.925	0.4002	0.3616	0.3179	0.2647	0.1950
0.950	0.6557	0.6484	0.6287	0.6048	0.5729
0.975	0.8735	0.6661	0.8575	0.8469	0.8325
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9122	0.9248	0.9429	0.9723	0.9999
0.050	0.7595	0.7915	0.8390	0.9194	0.9996
0.075	0.5758	0.6273	0.7065	0.8477	0.9992
0.100	0.3319	0.4249	0.5543	0.7595	0.9987
0.125	0.0890	0.1844	0.3540	0.6562	0.9980
0.150	0.	0.0063	0.1483	0.5395	0.9972
0.175	0.	0.	0.0032	0.3867	0.9962
0.200	0.	0.	0.	0.2252	0.9951
0.225	0.	0.	0.	0.0751	0.9936
0.250	0.	0.	0.	0.	0.9920
0.275	0.	0.	0.	0.	0.9899
0.300	0.	0.	0.	0.	0.9875
0.325	0.	0.	0.	0.	0.9847
0.350	0.	0.	0.	0.	0.9812
0.375	0.	0.	0.	0.	0.9771
0.400	0.	0.	0.	0.	0.9721
0.425	0.	0.	0.	0.	0.9660
0.450	0.	0.	0.	0.	0.9586
0.475	0.	0.	0.	0.	0.9495
0.500	0.	0.	0.	0.	0.9383
0.525	0.	0.	0.	0.	0.9242
0.550	0.	0.	0.	0.	0.9065
0.575	0.	0.	0.	0.	0.8838
0.600	0.	0.	0.	0.	0.8546
0.625	0.	0.	0.	0.	0.8162
0.650	0.	0.	0.	0.	0.7650
0.675	0.	0.	0.	0.	0.6957
0.700	0.	0.	0.	0.	0.5961
0.725	0.	0.	0.	0.	0.4511
0.750	0.	0.	0.	0.	0.2474
0.775	0.	0.	0.	0.	0.0133
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.0972	0.	0.	0.	0.
0.950	0.5250	0.3946	0.	0.	0.
0.975	0.8102	0.7677	0.6464	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9387	0.9411	0.9435	0.9461	0.9491
0.050	0.8330	0.8390	0.8451	0.8517	0.8594
0.075	0.7057	0.7153	0.7251	0.7359	0.7486
0.100	0.5670	0.5798	0.5930	0.6075	0.6247
0.125	0.4084	0.4267	0.4458	0.4668	0.4917
0.150	0.2420	0.2515	0.2821	0.3052	0.3331
0.175	0.0982	0.1156	0.1346	0.1565	0.1838
0.200	0.0040	0.0123	0.0235	0.0386	0.0594
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.0040	0.	0.	0.	0.
0.825	0.0982	0.0812	0.0640	0.0455	0.0253
0.850	0.2420	0.2224	0.2013	0.1775	0.1483
0.875	0.4084	0.3896	0.3691	0.3453	0.3153
0.900	0.5670	0.5539	0.5396	0.5228	0.5015
0.925	0.7057	0.6957	0.6848	0.6719	0.6553
0.950	0.8330	0.8268	0.8200	0.8118	0.8012
0.975	0.9387	0.9362	0.9335	0.9301	0.9258
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, U=   3.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9528	0.9579	0.9660	0.9811	0.9999
0.050	0.8690	0.8825	0.9039	0.9452	0.9996
0.075	0.7646	0.7872	0.8238	0.8971	0.9992
0.100	0.6468	0.6782	0.7302	0.8382	0.9987
0.125	0.5208	0.5599	0.6260	0.7694	0.9981
0.150	0.3695	0.4229	0.5140	0.6913	0.9974
0.175	0.2207	0.2769	0.3779	0.6046	0.9964
0.200	0.0902	0.1414	0.2425	0.5077	0.9953
0.225	0.0035	0.0333	0.1174	0.3934	0.9940
0.250	0.	0.	0.0204	0.2749	0.9925
0.275	0.	0.	0.	0.1581	0.9906
0.300	0.	0.	0.	0.0547	0.9884
0.325	0.	0.	0.	0.	0.9857
0.350	0.	0.	0.	0.	0.9826
0.375	0.	0.	0.	0.	0.9789
0.400	0.	0.	0.	0.	0.9744
0.425	0.	0.	0.	0.	0.9690
0.450	0.	0.	0.	0.	0.9624
0.475	0.	0.	0.	0.	0.9545
0.500	0.	0.	0.	0.	0.9447
0.525	0.	0.	0.	0.	0.9327
0.550	0.	0.	0.	0.	0.9176
0.575	0.	0.	0.	0.	0.8987
0.600	0.	0.	0.	0.	0.8746
0.625	0.	0.	0.	0.	0.8435
0.650	0.	0.	0.	0.	0.8028
0.675	0.	0.	0.	0.	0.7488
0.700	0.	0.	0.	0.	0.6759
0.725	0.	0.	0.	0.	0.5707
0.750	0.	0.	0.	0.	0.4214
0.775	0.	0.	0.	0.	0.2157
0.800	0.	0.	0.	0.	0.0010
0.825	0.0047	0.	0.	0.	0.
0.850	0.1099	0.0552	0.	0.	0.
0.875	0.2736	0.2078	0.0850	0.	0.
0.900	0.4659	0.4044	0.2739	0.	0.
0.925	0.6316	0.5921	0.5064	0.0546	0.
0.950	0.7858	0.7597	0.7006	0.3958	0.
0.975	0.9195	0.9085	0.8825	0.7381	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

234

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ....... D2/R =00.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9893	0.9895	0.9897	0.9899	0.9902
0.050	0.9699	0.9705	0.9711	0.9718	0.9726
0.075	0.9454	0.9464	0.9474	0.9486	0.9501
0.100	0.9168	0.9183	0.9199	0.9216	0.9237
0.125	0.8851	0.8871	0.8891	0.8914	0.8942
0.150	0.8507	0.8532	0.8557	0.8586	0.8621
0.175	0.8142	0.8171	0.8201	0.8235	0.8277
0.200	0.7758	0.7791	0.7826	0.7865	0.7913
0.225	0.7358	0.7396	0.7435	0.7479	0.7533
0.250	0.6947	0.6988	0.7031	0.7079	0.7138
0.275	0.6525	0.6569	0.6615	0.6668	0.6732
0.300	0.6166	0.6204	0.6245	0.6292	0.6350
0.325	0.5913	0.5947	0.5983	0.6025	0.6077
0.350	0.5716	0.5745	0.5777	0.5814	0.5860
0.375	0.5556	0.5582	0.5610	0.5643	0.5684
0.400	0.5428	0.5450	0.5473	0.5500	0.5535
0.425	0.5332	0.5348	0.5366	0.5387	0.5415
0.450	0.5265	0.5276	0.5288	0.5303	0.5323
0.475	0.5225	0.5230	0.5237	0.5246	0.5259
0.500	0.5211	0.5212	0.5213	0.5216	0.5220
0.525	0.5225	0.5220	0.5215	0.5211	0.5208
0.550	0.5265	0.5254	0.5244	0.5234	0.5222
0.575	0.5332	0.5316	0.5301	0.5284	0.5264
0.600	0.5428	0.5408	0.5387	0.5363	0.5336
0.625	0.5556	0.5531	0.5505	0.5475	0.5441
0.650	0.5716	0.5686	0.5656	0.5622	0.5581
0.675	0.5913	0.5879	0.5844	0.5805	0.5757
0.700	0.6166	0.6128	0.6088	0.6043	0.5989
0.725	0.6525	0.6481	0.6434	0.6380	0.6313
0.750	0.6947	0.6906	0.6862	0.6811	0.6749
0.775	0.7358	0.7321	0.7281	0.7234	0.7177
0.800	0.7758	0.7724	0.7688	0.7646	0.7595
0.825	0.8142	0.8112	0.8081	0.8044	0.7999
0.850	0.8507	0.8483	0.8456	0.8425	0.8387
0.875	0.8851	0.8831	0.8809	0.8785	0.8754
0.900	0.9168	0.9153	0.9137	0.9118	0.9094
0.925	0.9454	0.9443	0.9432	0.9419	0.9403
0.950	0.9699	0.9693	0.9687	0.9680	0.9670
0.975	0.9893	0.9890	0.9888	0.9885	0.9882
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9906	0.9912	0.9322	0.9945	0.9999
0.050	0.9737	0.9752	0.9779	0.9843	0.9997
0.075	0.9519	0.9547	0.9594	0.9709	0.9994
0.100	0.9264	0.9305	0.9375	0.9547	0.9990
0.125	0.8978	0.9032	0.9127	0.9360	0.9985
0.150	0.8666	0.8734	0.8854	0.9151	0.9980
0.175	0.8331	0.8412	0.8557	0.8919	0.9973
0.200	0.7976	0.8070	0.8239	0.8667	0.9965
0.225	0.7604	0.7710	0.7902	0.8395	0.9956
0.250	0.7217	0.7334	0.7548	0.8103	0.9945
0.275	0.6816	0.6944	0.7177	0.7793	0.9932
0.300	0.6429	0.6552	0.6793	0.7464	0.9918
0.325	0.6148	0.6259	0.6474	0.7118	0.9901
0.350	0.5924	0.6024	0.6221	0.6827	0.9881
0.375	0.5740	0.5829	0.6006	0.6576	0.9858
0.400	0.5583	0.5662	0.5822	0.6348	0.9832
0.425	0.5454	0.5519	0.5657	0.6139	0.9800
0.450	0.5353	0.5404	0.5515	0.5944	0.9764
0.475	0.5278	0.5313	0.5398	0.5761	0.9722
0.500	0.5229	0.5248	0.5304	0.5595	0.9672
0.525	0.5206	0.5209	0.5234	0.5446	0.9616
0.550	0.5209	0.5196	0.5190	0.5316	0.9553
0.575	0.5241	0.5210	0.5172	0.5209	0.9479
0.600	0.5302	0.5255	0.5172	0.5209	0.9479
0.625	0.5396	0.5333	0.5230	0.5072	0.9288
0.650	0.5527	0.5448	0.5313	0.5053	0.9165
0.675	0.5694	0.5602	0.5440	0.5077	0.9015
0.700	0.5916	0.5808	0.5615	0.5154	0.8832
0.725	0.6226	0.6098	0.5869	0.5297	0.8607
0.750	0.6664	0.6531	0.6275	0.5543	0.8327
0.775	0.7098	0.6976	0.6738	0.5999	0.7974
0.800	0.7524	0.7413	0.7196	0.6512	0.7525
0.825	0.7937	0.7839	0.7647	0.7030	0.6944
0.850	0.8334	0.8251	0.8086	0.7547	0.6182
0.875	0.8711	0.8643	0.8508	0.8058	0.5204
0.900	0.9062	0.9010	0.8906	0.8553	0.4025
0.925	0.9380	0.9344	0.9272	0.9021	0.3067
0.950	0.9667	0.9636	0.9594	0.9445	0.4392
0.975	0.9377	0.9869	0.9853	0.9796	0.6845
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R =25.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9901	0.9903	0.9905	0.9907	0.9910
0.050	0.9723	0.9728	0.9734	0.9740	0.9747
0.075	0.9497	0.9506	0.9516	0.9526	0.9539
0.100	0.9233	0.9247	0.9261	0.9277	0.9295
0.125	0.8940	0.8958	0.8977	0.8998	0.9023
0.150	0.8622	0.8644	0.8668	0.8694	0.8725
0.175	0.8283	0.8310	0.8337	0.8369	0.8406
0.200	0.7927	0.7957	0.7989	0.8025	0.8069
0.225	0.7556	0.7590	0.7626	0.7667	0.7716
0.250	0.7203	0.7236	0.7271	0.7311	0.7360
0.275	0.6955	0.6985	0.7017	0.7054	0.7099
0.300	0.6760	0.6787	0.6817	0.6851	0.6893
0.325	0.6502	0.6527	0.6654	0.6684	0.6723
0.350	0.6474	0.6496	0.6520	0.6547	0.6581
0.375	0.6372	0.6391	0.6411	0.6434	0.6464
0.400	0.6288	0.6304	0.6321	0.6341	0.6366
0.425	0.6222	0.6234	0.6248	0.6263	0.6284
0.450	0.6176	0.6185	0.6194	0.6205	0.6220
0.475	0.6149	0.6153	0.6158	0.6165	0.6174
0.500	0.6140	0.6140	0.6141	0.6143	0.6147
0.525	0.6149	0.6145	0.6142	0.6139	0.6137
0.550	0.6176	0.6169	0.6161	0.6154	0.6145
0.575	0.6222	0.6211	0.6200	0.6187	0.6173
0.600	0.6288	0.6273	0.6257	0.6240	0.6220
0.625	0.6372	0.6354	0.6335	0.6315	0.6289
0.650	0.6474	0.6453	0.6431	0.6406	0.6376
0.675	0.6502	0.6578	0.6552	0.6523	0.6488
0.700	0.6760	0.6732	0.6704	0.6671	0.6632
0.725	0.6955	0.6925	0.6893	0.6857	0.6813
0.750	0.7203	0.7170	0.7136	0.7096	0.7048
0.775	0.7556	0.7521	0.7484	0.7442	0.7389
0.800	0.7927	0.7896	0.7863	0.7825	0.7778
0.825	0.8283	0.8257	0.8228	0.8195	0.8153
0.850	0.8622	0.8600	0.8575	0.8548	0.8513
0.875	0.8940	0.8922	0.8903	0.8880	0.8852
0.900	0.9233	0.9220	0.9205	0.9188	0.9167
0.925	0.9497	0.9487	0.9477	0.9466	0.9451
0.950	0.9723	0.9718	0.9712	0.9705	0.9697
0.975	0.9901	0.9899	0.9897	0.9895	0.9891
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9914	0.9919	0.9928	0.9949	0.9999
0.050	0.9757	0.9771	0.9795	0.9853	0.9997
0.075	0.9556	0.9581	0.9624	0.9728	0.9994
0.100	0.9320	0.9357	0.9421	0.9577	0.9990
0.125	0.9056	0.9105	0.9191	0.9404	0.9986
0.150	0.8767	0.8828	0.8937	0.9209	0.9980
0.175	0.8456	0.8530	0.8662	0.8993	0.9974
0.200	0.8127	0.8213	0.8367	0.8759	0.9966
0.225	0.7781	0.7878	0.8054	0.8506	0.9957
0.250	0.7426	0.7529	0.7725	0.8235	0.9946
0.275	0.7160	0.7255	0.7434	0.7947	0.9934
0.300	0.6950	0.7039	0.7208	0.7705	0.9920
0.325	0.6775	0.6857	0.7016	0.7496	0.9903
0.350	0.6528	0.6703	0.6849	0.7307	0.9884
0.375	0.6505	0.6571	0.6703	0.7133	0.9862
0.400	0.6402	0.6459	0.6575	0.6971	0.9837
0.425	0.6313	0.6361	0.6463	0.6821	0.9807
0.450	0.6242	0.6279	0.6363	0.6683	0.9775
0.475	0.6189	0.6215	0.6278	0.6551	0.9740
0.500	0.6153	0.6168	0.6209	0.6428	0.9699
0.525	0.6136	0.6138	0.6157	0.6318	0.9653
0.550	0.6136	0.6126	0.6123	0.6220	0.9600
0.575	0.6156	0.6134	0.6107	0.6138	0.9537
0.600	0.6195	0.6161	0.6111	0.6072	0.9464
0.625	0.6257	0.6211	0.6136	0.6026	0.9377
0.650	0.6337	0.6281	0.6187	0.6003	0.9274
0.675	0.6442	0.6375	0.6259	0.6007	0.9150
0.700	0.6579	0.6501	0.6363	0.6040	0.8999
0.725	0.6755	0.6667	0.6508	0.6111	0.8814
0.750	0.6984	0.6887	0.6707	0.6235	0.8586
0.775	0.7317	0.7204	0.6991	0.6436	0.8302
0.800	0.7713	0.7611	0.7413	0.6783	0.7943
0.825	0.8097	0.8008	0.7832	0.7267	0.7487
0.850	0.8465	0.8359	0.8239	0.7749	0.6892
0.875	0.8513	0.8752	0.8629	0.8222	0.6134
0.900	0.9137	0.9090	0.8997	0.8679	0.5208
0.925	0.9431	0.9338	0.9333	0.9109	0.4288
0.950	0.9685	0.9667	0.9629	0.9496	0.4889
0.975	0.9887	0.9880	0.9866	0.9815	0.7235
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.6962	0.7223	0.7467	0.7711	0.7968
0.050	0.	0.	0.	0.	0.
0.075	0.	0.	0.	0.	0.
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8256	0.8600	0.9037	0.9608	0.9999
0.050	0.5373	0.6192	0.7296	0.8850	0.9996
0.075	0.	0.	0.5084	0.7817	0.9992
0.100	0.	0.	0.	0.6542	0.9986
0.125	0.	0.	0.	0.4833	0.9979
0.150	0.	0.	0.	0.1754	0.9971
0.175	0.	0.	0.	0.	0.9961
0.200	0.	0.	0.	0.	0.9948
0.225	0.	0.	0.	0.	0.9934
0.250	0.	0.	0.	0.	0.9916
0.275	0.	0.	0.	0.	0.9894
0.300	0.	0.	0.	0.	0.9869
0.325	0.	0.	0.	0.	0.9838
0.350	0.	0.	0.	0.	0.9801
0.375	0.	0.	0.	0.	0.9756
0.400	0.	0.	0.	0.	0.9702
0.425	0.	0.	0.	0.	0.9636
0.450	0.	0.	0.	0.	0.9555
0.475	0.	0.	0.	0.	0.9454
0.500	0.	0.	0.	0.	0.9329
0.525	0.	0.	0.	0.	0.9171
0.550	0.	0.	0.	0.	0.8970
0.575	0.	0.	0.	0.	0.8710
0.600	0.	0.	0.	0.	0.8370
0.625	0.	0.	0.	0.	0.7918
0.650	0.	0.	0.	0.	0.7307
0.675	0.	0.	0.	0.	0.6448
0.700	0.	0.	0.	0.	0.5055
0.725	0.	0.	0.	0.	0.3008
0.750	0.	0.	0.	0.	0.0385
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

240

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8754	0.9006	0.9058	0.9113	0.9175
0.050	0.7207	0.7333	0.7459	0.7594	0.7749
0.075	0.5200	0.5390	0.5584	0.5795	0.6038
0.100	0.1033	0.1544	0.2083	0.2672	0.3346
0.125	0.	0.	0.	0.	0.0271
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.1033	0.0545	0.0115	0.	0.
0.925	0.5200	0.5002	0.4481	0.3786	0.2801
0.950	0.7207	0.7075	0.6926	0.6745	0.6507
0.975	0.8754	0.8898	0.8835	0.8758	0.8654
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

239

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9251	0.9351	0.9498	0.9747	0.9999
0.050	0.7939	0.8196	0.8584	0.9265	0.9996
0.075	0.6342	0.6761	0.7413	0.8614	0.9992
0.100	0.4163	0.5161	0.6060	0.7814	0.9987
0.125	0.0984	0.2190	0.4193	0.6877	0.9980
0.150	0.	0.0018	0.1684	0.5816	0.9972
0.175	0.	0.	0.	0.4335	0.9963
0.200	0.	0.	0.	0.2500	0.9951
0.225	0.	0.	0.	0.0770	0.9937
0.250	0.	0.	0.	0.	0.9921
0.275	0.	0.	0.	0.	0.9901
0.300	0.	0.	0.	0.	0.9877
0.325	0.	0.	0.	0.	0.9849
0.350	0.	0.	0.	0.	0.9815
0.375	0.	0.	0.	0.	0.9775
0.400	0.	0.	0.	0.	0.9726
0.425	0.	0.	0.	0.	0.9667
0.450	0.	0.	0.	0.	0.9595
0.475	0.	0.	0.	0.	0.9507
0.500	0.	0.	0.	0.	0.9398
0.525	0.	0.	0.	0.	0.9262
0.550	0.	0.	0.	0.	0.9091
0.575	0.	0.	0.	0.	0.8874
0.600	0.	0.	0.	0.	0.8593
0.625	0.	0.	0.	0.	0.8227
0.650	0.	0.	0.	0.	0.7741
0.675	0.	0.	0.	0.	0.7086
0.700	0.	0.	0.	0.	0.6131
0.725	0.	0.	0.	0.	0.4664
0.750	0.	0.	0.	0.	0.2556
0.775	0.	0.	0.	0.	0.0102
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.1264	0.	0.	0.	0.
0.950	0.6152	0.5523	0.	0.	0.
0.975	0.8495	0.8203	0.7422	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9444	0.9465	0.9486	0.9508	0.9535
0.050	0.8482	0.8534	0.8587	0.8645	0.8713
0.075	0.7315	0.7400	0.7487	0.7582	0.8713
0.100	0.6035	0.6149	0.6266	0.6395	0.6549
0.125	0.4563	0.4763	0.4969	0.5142	0.5329
0.150	0.2626	0.2848	0.3081	0.3341	0.3651
0.175	0.0958	0.1157	0.1374	0.1624	0.1935
0.200	0.	0.0041	0.0145	0.0300	0.0525
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.0958	0.0766	0.0571	0.0367	0.0154
0.850	0.2626	0.2401	0.2159	0.1883	0.1544
0.875	0.4563	0.4356	0.4130	0.3863	0.3523
0.900	0.6035	0.5919	0.5792	0.5643	0.5454
0.925	0.7315	0.7228	0.7132	0.7019	0.6374
0.950	0.8482	0.8428	0.8368	0.8298	0.8206
0.975	0.9444	0.9423	0.9399	0.9370	0.9333
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ..... D2/R =10.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA *** AX/AB	50.00 Q	60.00 Q	70.00 Q	80.00 Q	88.00 Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9567	0.9613	0.9685	0.9821	0.9999
0.050	0.8798	0.8917	0.9108	0.9483	0.9996
0.075	0.7836	0.8037	0.8365	0.9031	0.9992
0.100	0.6745	0.7027	0.7494	0.8477	0.9987
0.125	0.5573	0.5925	0.6522	0.7830	0.9981
0.150	0.4053	0.4637	0.5475	0.7096	0.9974
0.175	0.2353	0.2982	0.4090	0.6281	0.9965
0.200	0.0868	0.1444	0.2573	0.5394	0.9954
0.225	0.	0.0250	0.1169	0.4185	0.9941
0.250	0.	0.	0.0125	0.2892	0.9925
0.275	0.	0.	0.	0.1611	0.9907
0.300	0.	0.	0.	0.0486	0.9885
0.325	0.	0.	0.	0.	0.9859
0.350	0.	0.	0.	0.	0.9828
0.375	0.	0.	0.	0.	0.9792
0.400	0.	0.	0.	0.	0.9748
0.425	0.	0.	0.	0.	0.9695
0.450	0.	0.	0.	0.	0.9631
0.475	0.	0.	0.	0.	0.9553
0.500	0.	0.	0.	0.	0.9457
0.525	0.	0.	0.	0.	0.9340
0.550	0.	0.	0.	0.	0.9194
0.575	0.	0.	0.	0.	0.9010
0.600	0.	0.	0.	0.	0.8777
0.625	0.	0.	0.	0.	0.8477
0.650	0.	0.	0.	0.	0.8085
0.675	0.	0.	0.	0.	0.7567
0.700	0.	0.	0.	0.	0.6870
0.725	0.	0.	0.	0.	0.5834
0.750	0.	0.	0.	0.	0.4310
0.775	0.	0.	0.	0.	0.2173
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.1096	0.0465	0.	0.	0.
0.875	0.3045	0.2275	0.0804	0.	0.
0.900	0.5188	0.4663	0.3151	0.	0.
0.925	0.6668	0.6325	0.5586	0.0371	0.
0.950	0.8074	0.7851	0.7351	0.5069	0.
0.975	0.9279	0.9186	0.8971	0.7839	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9893	0.9895	0.9897	0.9900	0.9903
0.050	0.9701	0.9706	0.9712	0.9719	0.9727
0.075	0.9456	0.9466	0.9477	0.9488	0.9502
0.100	0.9171	0.9186	0.9202	0.9219	0.9240
0.125	0.8855	0.8875	0.8895	0.8918	0.8946
0.150	0.8513	0.8537	0.8563	0.8591	0.8626
0.175	0.8149	0.8177	0.8208	0.8242	0.8283
0.200	0.7766	0.7799	0.7834	0.7873	0.7921
0.225	0.7368	0.7405	0.7444	0.7488	0.7542
0.250	0.6958	0.6999	0.7041	0.7090	0.7149
0.275	0.6538	0.6581	0.6628	0.6680	0.6743
0.300	0.6154	0.6194	0.6236	0.6284	0.6344
0.325	0.5891	0.5925	0.5962	0.6005	0.6058
0.350	0.5690	0.5720	0.5752	0.5790	0.5836
0.375	0.5527	0.5554	0.5583	0.5617	0.5660
0.400	0.5393	0.5415	0.5439	0.5467	0.5503
0.425	0.5292	0.5308	0.5327	0.5349	0.5377
0.450	0.5221	0.5232	0.5245	0.5261	0.5282
0.475	0.5179	0.5185	0.5192	0.5201	0.5214
0.500	0.5165	0.5166	0.5167	0.5170	0.5174
0.525	0.5179	0.5174	0.5169	0.5165	0.5162
0.550	0.5221	0.5210	0.5200	0.5189	0.5177
0.575	0.5292	0.5275	0.5259	0.5242	0.5222
0.600	0.5393	0.5371	0.5350	0.5326	0.5297
0.625	0.5527	0.5501	0.5474	0.5444	0.5408
0.650	0.5690	0.5661	0.5630	0.5596	0.5555
0.675	0.5891	0.5857	0.5821	0.5781	0.5733
0.700	0.6154	0.6115	0.6074	0.6028	0.5972
0.725	0.6538	0.6494	0.6447	0.6393	0.6327
0.750	0.6958	0.6917	0.6873	0.6823	0.6761
0.775	0.7368	0.7331	0.7291	0.7245	0.7187
0.800	0.7766	0.7733	0.7697	0.7655	0.7604
0.825	0.8149	0.8119	0.8088	0.8052	0.8007
0.850	0.8513	0.8488	0.8462	0.8431	0.8393
0.875	0.8855	0.8836	0.8814	0.8789	0.8759
0.900	0.9171	0.9157	0.9140	0.9122	0.9098
0.925	0.9456	0.9446	0.9434	0.9422	0.9405
0.950	0.9701	0.9695	0.9688	0.9681	0.9672
0.975	0.9893	0.9891	0.9888	0.9886	0.9882
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

245

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R =00.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9907	0.9912	0.9922	0.9945	0.9999
0.050	0.9738	0.9753	0.9780	0.9843	0.9997
0.075	0.9521	0.9548	0.9596	0.9710	0.9994
0.100	0.9267	0.9307	0.9378	0.9548	0.9990
0.125	0.8982	0.9036	0.9131	0.9362	0.9985
0.150	0.8571	0.8739	0.8858	0.9154	0.9980
0.175	0.8337	0.8418	0.8562	0.8923	0.9973
0.200	0.7984	0.8077	0.8245	0.8672	0.9965
0.225	0.7613	0.7719	0.7910	0.8401	0.9956
0.250	0.7227	0.7344	0.7556	0.8110	0.9945
0.275	0.6828	0.6955	0.7188	0.7800	0.9933
0.300	0.6426	0.6555	0.6804	0.7473	0.9918
0.325	0.6130	0.6243	0.6462	0.7127	0.9901
0.350	0.5901	0.6002	0.6201	0.6817	0.9881
0.375	0.5716	0.5805	0.5984	0.6559	0.9858
0.400	0.5553	0.5634	0.5800	0.6328	0.9832
0.425	0.5418	0.5485	0.5627	0.6119	0.9801
0.450	0.5312	0.5365	0.5480	0.5922	0.9764
0.475	0.5234	0.5271	0.5358	0.5733	0.9722
0.500	0.5183	0.5203	0.5261	0.5560	0.9672
0.525	0.5160	0.5163	0.5189	0.5407	0.9616
0.550	0.5164	0.5149	0.5143	0.5273	0.9551
0.575	0.5197	0.5166	0.5126	0.5162	0.9477
0.600	0.5262	0.5213	0.5140	0.5078	0.9389
0.625	0.5361	0.5295	0.5189	0.5023	0.9285
0.650	0.5500	0.5418	0.5278	0.5006	0.9161
0.675	0.5669	0.5575	0.5412	0.5034	0.9011
0.700	0.5898	0.5787	0.5591	0.5120	0.8828
0.725	0.6236	0.6097	0.5856	0.5269	0.8602
0.750	0.6676	0.6544	0.6289	0.5533	0.8322
0.775	0.7109	0.6987	0.6750	0.6014	0.7969
0.800	0.7533	0.7423	0.7207	0.6526	0.7521
0.825	0.7945	0.7848	0.7656	0.7042	0.6937
0.850	0.8341	0.8258	0.8094	0.7557	0.6159
0.875	0.8716	0.8648	0.8514	0.8066	0.5158
0.900	0.9066	0.9014	0.8910	0.8560	0.3949
0.925	0.9383	0.9347	0.9275	0.9026	0.3013
0.950	0.9659	0.9638	0.9596	0.9448	0.4417
0.975	0.9877	0.9870	0.9854	0.9797	0.6866
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 3.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9901	0.9903	0.9905	0.9908	0.9910
0.050	0.9724	0.9729	0.9735	0.9741	0.9748
0.075	0.9498	0.9507	0.9517	0.9527	0.9540
0.100	0.9235	0.9249	0.9263	0.9278	0.9297
0.125	0.8943	0.8961	0.8979	0.9000	0.9025
0.150	0.8626	0.8648	0.8671	0.8697	0.8728
0.175	0.8288	0.8314	0.8342	0.8373	0.8410
0.200	0.7932	0.7963	0.7995	0.8030	0.8074
0.225	0.7562	0.7596	0.7632	0.7672	0.7721
0.250	0.7194	0.7228	0.7264	0.7305	0.7356
0.275	0.6934	0.6964	0.6997	0.7035	0.7081
0.300	0.6734	0.6762	0.6792	0.6826	0.6869
0.325	0.6575	0.6600	0.6627	0.6658	0.6697
0.350	0.6448	0.6470	0.6494	0.6521	0.6555
0.375	0.6348	0.6367	0.6387	0.6410	0.6439
0.400	0.6263	0.6279	0.6297	0.6318	0.6344
0.425	0.6195	0.6208	0.6221	0.6237	0.6258
0.450	0.6148	0.6156	0.6165	0.6177	0.6192
0.475	0.6119	0.6124	0.6129	0.6136	0.6145
0.500	0.6110	0.6110	0.6111	0.6113	0.6116
0.525	0.6119	0.6115	0.6112	0.6109	0.6107
0.550	0.6148	0.6140	0.6132	0.6124	0.6116
0.575	0.6195	0.6184	0.6172	0.6159	0.6144
0.600	0.6263	0.6248	0.6232	0.6214	0.6194
0.625	0.6348	0.6330	0.6312	0.6291	0.6266
0.650	0.6448	0.6427	0.6404	0.6379	0.6350
0.675	0.6575	0.6551	0.6525	0.6496	0.6461
0.700	0.6734	0.6707	0.6677	0.6644	0.6605
0.725	0.6934	0.6903	0.6871	0.6834	0.6790
0.750	0.7194	0.7160	0.7124	0.7084	0.7035
0.775	0.7562	0.7528	0.7491	0.7446	0.7396
0.800	0.7932	0.7902	0.7669	0.7831	0.7784
0.825	0.8288	0.8261	0.8232	0.8199	0.8158
0.850	0.8626	0.8603	0.8579	0.8551	0.8517
0.875	0.8943	0.8925	0.8905	0.8883	0.8855
0.900	0.9235	0.9222	0.9207	0.9190	0.9169
0.925	0.9498	0.9489	0.9479	0.9467	0.9453
0.950	0.9724	0.9719	0.9713	0.9706	0.9698
0.975	0.9901	0.9899	0.9897	0.9895	0.9892
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A   RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   3.00 DEGREES
GEOMETRY ...... D2/R =25.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	88.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9914	0.9919	0.9928	0.9949	0.9999
0.050	0.9756	0.9772	0.9796	0.9854	0.9997
0.075	0.9557	0.9582	0.9625	0.9729	0.9994
0.100	0.9322	0.9359	0.9423	0.9578	0.9990
0.125	0.9056	0.9107	0.9193	0.9405	0.9986
0.150	0.8770	0.8831	0.8940	0.9210	0.9980
0.175	0.8460	0.8534	0.8665	0.8996	0.9974
0.200	0.8131	0.8217	0.8371	0.8762	0.9966
0.225	0.7786	0.7884	0.8059	0.8510	0.9957
0.250	0.7427	0.7535	0.7731	0.8239	0.9946
0.275	0.7143	0.7239	0.7422	0.7952	0.9934
0.300	0.6927	0.7017	0.7189	0.7693	0.9920
0.325	0.6750	0.6833	0.6993	0.7479	0.9904
0.350	0.6603	0.6677	0.6825	0.7287	0.9884
0.375	0.6481	0.6546	0.6679	0.7111	0.9862
0.400	0.6381	0.6437	0.6553	0.6950	0.9837
0.425	0.6288	0.6338	0.6443	0.6801	0.9807
0.450	0.6215	0.6253	0.6339	0.6664	0.9774
0.475	0.6160	0.6187	0.6251	0.6531	0.9738
0.500	0.6123	0.6138	0.6181	0.6405	0.9697
0.525	0.6105	0.6108	0.6128	0.6292	0.9651
0.550	0.6106	0.6096	0.6092	0.6192	0.9597
0.575	0.6127	0.6104	0.6076	0.6107	0.9534
0.600	0.6168	0.6133	0.6081	0.6041	0.9460
0.625	0.6232	0.6185	0.6108	0.5994	0.9373
0.650	0.6311	0.6255	0.6162	0.5971	0.9269
0.675	0.6415	0.6347	0.6231	0.5977	0.9144
0.700	0.6552	0.6473	0.6334	0.6010	0.8992
0.725	0.6731	0.6642	0.6480	0.6078	0.8807
0.750	0.6969	0.6869	0.6685	0.6204	0.8579
0.775	0.7324	0.7211	0.6992	0.6413	0.8294
0.800	0.7719	0.7618	0.7420	0.6792	0.7936
0.825	0.8102	0.8013	0.7838	0.7275	0.7482
0.850	0.8469	0.8394	0.8244	0.7755	0.6877
0.875	0.8816	0.8755	0.8633	0.8227	0.6104
0.900	0.9140	0.9093	0.8999	0.8683	0.5157
0.925	0.9432	0.9400	0.9335	0.9112	0.4227
0.950	0.9586	0.9668	0.9630	0.9498	0.4905
0.975	0.9887	0.9882	0.9866	0.9815	0.7246
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.3760	0.4958	0.5913	0.6717	0.7429
0.050	0.	0.	0.0745	0.2002	0.3390
0.075	0.	0.	0.	0.	0.0075
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.3760	0.2177	0.0230	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8098	0.8715	0.9315	0.9830	1.0000
0.050	0.4858	0.6404	0.8008	0.9488	0.9999
0.075	0.1453	0.3611	0.6269	0.9001	0.9998
0.100	0.	0.0923	0.4217	0.8365	0.9996
0.125	0.	0.	0.2048	0.7571	0.9994
0.150	0.	0.	0.0230	0.6610	0.9991
0.175	0.	0.	0.	0.5474	0.9988
0.200	0.	0.	0.	0.4169	0.9985
0.225	0.	0.	0.	0.2726	0.9980
0.250	0.	0.	0.	0.1249	0.9975
0.275	0.	0.	0.	0.0073	0.9969
0.300	0.	0.	0.	0.	0.9962
0.325	0.	0.	0.	0.	0.9953
0.350	0.	0.	0.	0.	0.9942
0.375	0.	0.	0.	0.	0.9929
0.400	0.	0.	0.	0.	0.9914
0.425	0.	0.	0.	0.	0.9895
0.450	0.	0.	0.	0.	0.9872
0.475	0.	0.	0.	0.	0.9844
0.500	0.	0.	0.	0.	0.9810
0.525	0.	0.	0.	0.	0.9766
0.550	0.	0.	0.	0.	0.9711
0.575	0.	0.	0.	0.	0.9640
0.600	0.	0.	0.	0.	0.9548
0.625	0.	0.	0.	0.	0.9427
0.650	0.	0.	0.	0.	0.9264
0.675	0.	0.	0.	0.	0.9040
0.700	0.	0.	0.	0.	0.8723
0.725	0.	0.	0.	0.	0.8261
0.750	0.	0.	0.	0.	0.7563
0.775	0.	0.	0.	0.	0.6466
0.800	0.	0.	0.	0.	0.4668
0.825	0.	0.	0.	0.	0.1755
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9153	0.9215	0.9275	0.9337	0.9405
0.050	0.7717	0.7870	0.8021	0.8177	0.8351
0.075	0.6029	0.6269	0.6509	0.6761	0.7045
0.100	0.4258	0.4563	0.4873	0.5206	0.5586
0.125	0.2546	0.2881	0.3229	0.3612	0.4060
0.150	0.1055	0.1364	0.1700	0.2086	0.2557
0.175	0.0058	0.0228	0.0465	0.0776	0.1194
0.200	0.	0.	0.	0.	0.0176
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.0058	0.	0.	0.	0.
0.850	0.1055	0.0759	0.0468	0.0186	0.
0.875	0.2546	0.2205	0.1839	0.1422	0.0926
0.900	0.4258	0.3937	0.3581	0.3157	0.2614
0.925	0.6029	0.5772	0.5481	0.5124	0.4648
0.950	0.7717	0.7551	0.7358	0.7116	0.6788
0.975	0.9153	0.9084	0.9004	0.8902	0.8758
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9483	0.9581	0.9713	0.9895	1.0000
0.050	0.8555	0.8815	0.9175	0.9691	0.9999
0.075	0.7385	0.7829	0.8459	0.9407	0.9998
0.100	0.6054	0.6678	0.7596	0.9046	0.9996
0.125	0.4627	0.5407	0.6603	0.8606	0.9994
0.150	0.3175	0.4065	0.5502	0.8084	0.9992
0.175	0.1789	0.2711	0.4320	0.7476	0.9989
0.200	0.0607	0.1432	0.3092	0.6778	0.9986
0.225	0.	0.0378	0.1876	0.5987	0.9982
0.250	0.	0.	0.0774	0.5103	0.9977
0.275	0.	0.	0.0023	0.4131	0.9971
0.300	0.	0.	0.	0.3086	0.9964
0.325	0.	0.	0.	0.2001	0.9956
0.350	0.	0.	0.	0.0946	0.9946
0.375	0.	0.	0.	0.0113	0.9935
0.400	0.	0.	0.	0.	0.9921
0.425	0.	0.	0.	0.	0.9904
0.450	0.	0.	0.	0.	0.9884
0.475	0.	0.	0.	0.	0.9859
0.500	0.	0.	0.	0.	0.9829
0.525	0.	0.	0.	0.	0.9792
0.550	0.	0.	0.	0.	0.9745
0.575	0.	0.	0.	0.	0.9685
0.600	0.	0.	0.	0.	0.9610
0.625	0.	0.	0.	0.	0.9512
0.650	0.	0.	0.	0.	0.9382
0.675	0.	0.	0.	0.	0.9208
0.700	0.	0.	0.	0.	0.8970
0.725	0.	0.	0.	0.	0.8633
0.750	0.	0.	0.	0.	0.8144
0.775	0.	0.	0.	0.	0.7408
0.800	0.	0.	0.	0.	0.6255
0.825	0.	0.	0.	0.	0.4384
0.850	0.	0.	0.	0.	0.1427
0.875	0.0331	0.	0.	0.	0.
0.900	0.1851	0.0697	0.	0.	0.
0.925	0.3936	0.2688	0.0197	0.	0.
0.950	0.6273	0.5291	0.2612	0.	0.
0.975	0.8526	0.8053	0.6488	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =10.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9609	0.9630	0.9650	0.9672	0.9697
0.050	0.8924	0.8977	0.9030	0.9087	0.9152
0.075	0.8079	0.8167	0.8256	0.8352	0.8463
0.100	0.7131	0.7253	0.7377	0.7512	0.7669
0.125	0.6121	0.6271	0.6427	0.6597	0.6797
0.150	0.5078	0.5253	0.5433	0.5633	0.5870
0.175	0.4034	0.4224	0.4422	0.4644	0.4909
0.200	0.3017	0.3212	0.3419	0.3653	0.3936
0.225	0.2058	0.2248	0.2453	0.2687	0.2975
0.250	0.1194	0.1367	0.1556	0.1777	0.2054
0.275	0.0480	0.0618	0.0774	0.0964	0.1210
0.300	0.0023	0.0038	0.0182	0.0312	0.0498
0.325	0.	0.	0.	0.	0.0029
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.0023	0.	0.	0.	0.
0.725	0.0480	0.0354	0.0234	0.0118	0.0019
0.750	0.1194	0.1027	0.0857	0.0674	0.0468
0.775	0.2058	0.1869	0.1672	0.1452	0.1192
0.800	0.3017	0.2821	0.2612	0.2375	0.2087
0.825	0.4034	0.3842	0.3635	0.3397	0.3102
0.850	0.5078	0.4900	0.4706	0.4481	0.4197
0.875	0.6121	0.5965	0.5794	0.5593	0.5337
0.900	0.7131	0.7005	0.6866	0.6700	0.6487
0.925	0.8079	0.7987	0.7885	0.7762	0.7603
0.950	0.8924	0.8869	0.8806	0.8731	0.8632
0.975	0.9609	0.9588	0.9563	0.9533	0.9494
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =10.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9727	0.9767	0.9827	0.9925	1.0000
0.050	0.9232	0.9341	0.9504	0.9762	0.9999
0.075	0.8601	0.8789	0.9078	0.9585	0.9998
0.100	0.7866	0.8138	0.8564	0.9337	0.9996
0.125	0.7050	0.7405	0.7972	0.9040	0.9994
0.150	0.6173	0.6605	0.7311	0.8692	0.9992
0.175	0.5253	0.5751	0.6586	0.8292	0.9990
0.200	0.4309	0.4859	0.5806	0.7837	0.9986
0.225	0.3361	0.3943	0.4979	0.7326	0.9982
0.250	0.2435	0.3025	0.4118	0.6756	0.9978
0.275	0.1561	0.2129	0.3236	0.6126	0.9973
0.300	0.0787	0.1291	0.2357	0.5436	0.9966
0.325	0.0188	0.0563	0.1509	0.4688	0.9959
0.350	0.	0.0054	0.0742	0.3886	0.9950
0.375	0.	0.	0.0149	0.3039	0.9939
0.400	0.	0.	0.	0.2168	0.9926
0.425	0.	0.	0.	0.1306	0.9911
0.450	0.	0.	0.	0.0523	0.9893
0.475	0.	0.	0.	0.0005	0.9871
0.500	0.	0.	0.	0.	0.9844
0.525	0.	0.	0.	0.	0.9811
0.550	0.	0.	0.	0.	0.9770
0.575	0.	0.	0.	0.	0.9719
0.600	0.	0.	0.	0.	0.9655
0.625	0.	0.	0.	0.	0.9573
0.650	0.	0.	0.	0.	0.9466
0.675	0.	0.	0.	0.	0.9325
0.700	0.	0.	0.	0.	0.9136
0.725	0.	0.	0.	0.	0.8876
0.750	0.0231	0.0004	0.	0.	0.8510
0.775	0.0862	0.0421	0.	0.	0.7976
0.800	0.1707	0.1153	0.0297	0.	0.7174
0.825	0.2701	0.2090	0.1011	0.	0.5918
0.850	0.3803	0.3182	0.1991	0.	0.3895
0.875	0.4976	0.4389	0.3190	0.0068	0.0842
0.900	0.6181	0.5669	0.4567	0.0823	0.
0.925	0.7371	0.6973	0.6071	0.2250	0.
0.950	0.8486	0.8230	0.7620	0.4421	0.
0.975	0.9435	0.9329	0.9063	0.7326	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =10.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9909	0.9912	0.9915	0.9919	0.9922
0.050	0.9746	0.9754	0.9762	0.9771	0.9781
0.075	0.9538	0.9552	0.9566	0.9582	0.9600
0.100	0.9296	0.9316	0.9337	0.9360	0.9387
0.125	0.9026	0.9053	0.9080	0.9111	0.9148
0.150	0.8733	0.8765	0.8801	0.8839	0.8885
0.175	0.8420	0.8460	0.8501	0.8548	0.8603
0.200	0.8127	0.8166	0.8208	0.8256	0.8314
0.225	0.7919	0.7957	0.7998	0.8044	0.8101
0.250	0.7753	0.7789	0.7828	0.7873	0.7927
0.275	0.7614	0.7648	0.7685	0.7728	0.7780
0.300	0.7498	0.7530	0.7564	0.7603	0.7653
0.325	0.7400	0.7429	0.7460	0.7496	0.7542
0.350	0.7318	0.7344	0.7372	0.7404	0.7445
0.375	0.7252	0.7273	0.7297	0.7325	0.7362
0.400	0.7193	0.7216	0.7236	0.7259	0.7290
0.425	0.7157	0.7171	0.7186	0.7205	0.7231
0.450	0.7128	0.7138	0.7149	0.7163	0.7182
0.475	0.7111	0.7116	0.7123	0.7132	0.7145
0.500	0.7106	0.7106	0.7108	0.7112	0.7118
0.525	0.7111	0.7107	0.7105	0.7103	0.7103
0.550	0.7128	0.7120	0.7113	0.7105	0.7099
0.575	0.7157	0.7145	0.7132	0.7120	0.7106
0.600	0.7193	0.7181	0.7164	0.7147	0.7127
0.625	0.7252	0.7231	0.7210	0.7187	0.7160
0.650	0.7318	0.7294	0.7268	0.7241	0.7208
0.675	0.7400	0.7372	0.7343	0.7310	0.7272
0.700	0.7498	0.7466	0.7434	0.7397	0.7353
0.725	0.7614	0.7580	0.7544	0.7504	0.7455
0.750	0.7753	0.7716	0.7678	0.7634	0.7581
0.775	0.7919	0.7881	0.7840	0.7794	0.7738
0.800	0.8127	0.8087	0.8045	0.7996	0.7936
0.825	0.8420	0.8379	0.8335	0.8284	0.8220
0.850	0.8733	0.8699	0.8662	0.8619	0.8565
0.875	0.9026	0.8999	0.8969	0.8934	0.8890
0.900	0.9296	0.9275	0.9253	0.9227	0.9194
0.925	0.9538	0.9524	0.9509	0.9491	0.9468
0.950	0.9746	0.9738	0.9729	0.9719	0.9706
0.975	0.9909	0.9906	0.9903	0.9899	0.9894
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

```
*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =100.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9927	0.9934	0.9946	0.9970	1.0000
0.050	0.9795	0.9814	0.9846	0.9913	0.9999
0.075	0.9624	0.9658	0.9715	0.9837	0.9999
0.100	0.9432	0.9473	0.9559	0.9744	0.9998
0.125	0.9195	0.9264	0.9379	0.9635	0.9997
0.150	0.8945	0.9032	0.9180	0.9510	0.9995
0.175	0.8675	0.8780	0.8961	0.9371	0.9993
0.200	0.8392	0.8510	0.8723	0.9216	0.9991
0.225	0.8176	0.8290	0.8500	0.9045	0.9989
0.250	0.8001	0.8114	0.8323	0.8860	0.9986
0.275	0.7851	0.7961	0.8168	0.8738	0.9982
0.300	0.7720	0.7825	0.8027	0.8605	0.9978
0.325	0.7604	0.7704	0.7898	0.8477	0.9973
0.350	0.7503	0.7595	0.7779	0.8351	0.9961
0.375	0.7413	0.7497	0.7668	0.8227	0.9954
0.400	0.7335	0.7409	0.7566	0.8105	0.9946
0.425	0.7268	0.7332	0.7471	0.7985	0.9938
0.450	0.7211	0.7264	0.7385	0.7865	0.9928
0.475	0.7166	0.7206	0.7306	0.7748	0.9917
0.500	0.7131	0.7158	0.7236	0.7631	0.9904
0.525	0.7106	0.7121	0.7175	0.7517	0.9889
0.550	0.7093	0.7094	0.7123	0.7406	0.9871
0.575	0.7092	0.7079	0.7082	0.7299	0.9850
0.600	0.7104	0.7076	0.7052	0.7197	0.9824
0.625	0.7128	0.7087	0.7035	0.7101	0.9794
0.650	0.7167	0.7112	0.7033	0.7014	0.9757
0.675	0.7223	0.7154	0.7046	0.6939	0.9711
0.700	0.7296	0.7214	0.7080	0.6878	0.9654
0.725	0.7391	0.7297	0.7136	0.6837	0.9582
0.750	0.7511	0.7405	0.7219	0.6821	0.9490
0.775	0.7662	0.7547	0.7338	0.6840	0.9370
0.800	0.7856	0.7732	0.7502	0.6906	0.9211
0.825	0.8131	0.7992	0.7738	0.7041	0.8995
0.850	0.8499	0.8367	0.8118	0.7290	0.8696
0.875	0.8829	0.8730	0.8525	0.7779	0.8271
0.900	0.9147	0.9071	0.8912	0.8319	0.7654
0.925	0.9436	0.9383	0.9272	0.8844	0.6754
0.950	0.9587	0.9657	0.9532	0.9333	0.5569
0.975	0.9887	0.9876	0.9851	0.9750	0.6090
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9914	0.9917	0.9920	0.9923	0.9926
0.050	0.9760	0.9767	0.9775	0.9783	0.9793
0.075	0.9563	0.9576	0.9589	0.9604	0.9621
0.100	0.9334	0.9353	0.9372	0.9394	0.9419
0.125	0.9078	0.9103	0.9129	0.9158	0.9192
0.150	0.8800	0.8832	0.8864	0.8900	0.8943
0.175	0.8565	0.8596	0.8628	0.8664	0.8708
0.200	0.8396	0.8426	0.8458	0.8494	0.8538
0.225	0.8258	0.8286	0.8319	0.8354	0.8398
0.250	0.8143	0.8171	0.8201	0.8235	0.8278
0.275	0.8045	0.8072	0.8100	0.8132	0.8173
0.300	0.7962	0.7986	0.8013	0.8043	0.8081
0.325	0.7891	0.7913	0.7937	0.7965	0.8000
0.350	0.7832	0.7852	0.7873	0.7898	0.7929
0.375	0.7784	0.7800	0.7818	0.7840	0.7868
0.400	0.7744	0.7758	0.7773	0.7791	0.7815
0.425	0.7715	0.7725	0.7737	0.7751	0.7771
0.450	0.7693	0.7701	0.7709	0.7720	0.7734
0.475	0.7681	0.7685	0.7690	0.7696	0.7706
0.500	0.7677	0.7677	0.7678	0.7681	0.7686
0.525	0.7681	0.7678	0.7676	0.7674	0.7674
0.550	0.7693	0.7687	0.7681	0.7676	0.7671
0.575	0.7715	0.7705	0.7696	0.7686	0.7676
0.600	0.7744	0.7732	0.7719	0.7705	0.7690
0.625	0.7784	0.7768	0.7751	0.7734	0.7714
0.650	0.7832	0.7813	0.7794	0.7773	0.7748
0.675	0.7891	0.7870	0.7848	0.7823	0.7794
0.700	0.7962	0.7938	0.7913	0.7885	0.7852
0.725	0.8045	0.8019	0.7992	0.7961	0.7924
0.750	0.8143	0.8115	0.8086	0.8052	0.8012
0.775	0.8258	0.8229	0.8198	0.8163	0.8119
0.800	0.8396	0.8366	0.8333	0.8297	0.8251
0.825	0.8565	0.8534	0.8501	0.8464	0.8417
0.850	0.8800	0.8768	0.8734	0.8693	0.8643
0.875	0.9078	0.9053	0.9025	0.8992	0.8951
0.900	0.9334	0.9315	0.9294	0.9269	0.9238
0.925	0.9563	0.9550	0.9536	0.9519	0.9498
0.950	0.9760	0.9753	0.9744	0.9735	0.9723
0.975	0.9914	0.9912	0.9909	0.9905	0.9900
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9931	0.9938	0.9948	0.9971	1.0000
0.050	0.9805	0.9823	0.9853	0.9916	0.9999
0.075	0.9643	0.9675	0.9729	0.9843	0.9998
0.100	0.9452	0.9500	0.9580	0.9754	0.9997
0.125	0.9237	0.9301	0.9410	0.9650	0.9995
0.150	0.8999	0.9081	0.9220	0.9531	0.9994
0.175	0.8767	0.8854	0.9012	0.9398	0.9991
0.200	0.8597	0.8685	0.8846	0.9255	0.9989
0.225	0.8456	0.8545	0.8708	0.9136	0.9966
0.250	0.8335	0.8422	0.8585	0.9029	0.9982
0.275	0.8228	0.8313	0.8474	0.8925	0.9978
0.300	0.8133	0.8214	0.8371	0.8826	0.9974
0.325	0.8048	0.8125	0.8275	0.8729	0.9969
0.350	0.7973	0.8044	0.8186	0.8634	0.9964
0.375	0.7907	0.7971	0.8104	0.8540	0.9958
0.400	0.7849	0.7906	0.8027	0.8446	0.9952
0.425	0.7799	0.7848	0.7955	0.8354	0.9944
0.450	0.7757	0.7797	0.7890	0.8262	0.9936
0.475	0.7722	0.7753	0.7830	0.8172	0.9927
0.500	0.7696	0.7717	0.7777	0.8082	0.9916
0.525	0.7677	0.7688	0.7730	0.7995	0.9903
0.550	0.7667	0.7668	0.7690	0.7909	0.9888
0.575	0.7665	0.7655	0.7658	0.7826	0.9870
0.600	0.7673	0.7652	0.7634	0.7747	0.9849
0.625	0.7690	0.7658	0.7620	0.7673	0.9823
0.650	0.7717	0.7675	0.7616	0.7605	0.9792
0.675	0.7757	0.7704	0.7623	0.7545	0.9754
0.700	0.7808	0.7746	0.7645	0.7496	0.9706
0.725	0.7875	0.7803	0.7682	0.7461	0.9647
0.750	0.7958	0.7878	0.7738	0.7442	0.9571
0.775	0.8062	0.7975	0.7817	0.7448	0.9472
0.800	0.8191	0.8097	0.7925	0.7484	0.9342
0.825	0.8354	0.8256	0.8071	0.7563	0.9167
0.850	0.8576	0.8473	0.8277	0.7705	0.8927
0.875	0.8894	0.8801	0.8609	0.7953	0.8589
0.900	0.9195	0.9124	0.8976	0.8423	0.8104
0.925	0.9468	0.9419	0.9316	0.8919	0.7403
0.950	0.9705	0.9677	0.9617	0.9378	0.6469
0.975	0.9894	0.9483	0.9361	0.9767	0.6372
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

```
*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.6177	0.6765	0.7262	0.7706	0.8127
0.050	0.	0.	0.1233	0.3213	0.4995
0.075	0.	0.	0.	0.	0.0053
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	C.
0.150	C.	0.	0.	0.	C.
0.175	0.	0.	0.	0.	C.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	C.	0.	0.	0.	C.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	C.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	C.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	C.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	C.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	C.
0.850	0.	C.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	C.	0.	0.	0.
0.950	0.	C.	0.	0.	0.
0.975	0.6177	0.5428	0.0720	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8542	0.8970	0.9416	0.9843	1.0000
0.050	0.6021	0.7104	0.8306	0.9529	0.9999
0.075	0.1995	0.4620	0.6825	0.9084	0.9998
0.100	0.	0.1164	0.4999	0.8505	0.9996
0.125	0.	0.	0.2454	0.7786	0.9994
0.150	0.	0.	0.0246	0.6918	0.9991
0.175	0.	0.	0.	0.5894	0.9989
0.200	0.	0.	0.	0.4575	0.9985
0.225	0.	0.	0.	0.3015	0.9981
0.250	0.	0.	0.	0.1380	0.9975
0.275	0.	0.	0.	0.0065	0.9969
0.300	0.	0.	0.	0.	0.9962
0.325	0.	0.	0.	0.	0.9953
0.350	0.	0.	0.	0.	0.9943
0.375	0.	0.	0.	0.	0.9930
0.400	0.	0.	0.	0.	0.9915
0.425	0.	0.	0.	0.	0.9897
0.450	0.	0.	0.	0.	0.9874
0.475	0.	0.	0.	0.	0.9847
0.500	0.	0.	0.	0.	0.9813
0.525	0.	0.	0.	0.	0.9770
0.550	0.	0.	0.	0.	0.9716
0.575	0.	0.	0.	0.	0.9647
0.600	0.	0.	0.	0.	0.9558
0.625	0.	0.	0.	0.	0.9441
0.650	0.	0.	0.	0.	0.9283
0.675	0.	0.	0.	0.	0.9067
0.700	0.	0.	0.	0.	0.8763
0.725	0.	0.	0.	0.	0.8323
0.750	0.	0.	0.	0.	0.8323
0.775	0.	0.	0.	0.	0.7661
0.800	0.	0.	0.	0.	0.6621
0.825	0.	0.	0.	0.	0.4822
0.850	0.	0.	0.	0.	0.1829
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9243	0.9296	0.9347	0.9400	0.9459
0.050	0.7952	0.8083	0.8213	0.8348	0.8498
0.075	0.6419	0.6627	0.6835	0.7055	0.7303
0.100	0.4739	0.5056	0.5329	0.5623	0.5960
0.125	0.2778	0.3152	0.3536	0.3954	0.4437
0.150	0.1068	0.1417	0.1797	0.2229	0.2752
0.175	0.0006	0.0160	0.0411	0.0753	0.1218
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.0113
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.0008	0.	0.	0.	0.
0.850	0.1068	0.0734	0.0409	0.0111	0.
0.875	0.2778	0.2394	0.1976	0.1499	0.0926
0.900	0.4739	0.4394	0.4004	0.3532	0.2916
0.925	0.6419	0.6198	0.5947	0.5641	0.5233
0.950	0.7952	0.7811	0.7648	0.7446	0.7171
0.975	0.9243	0.9186	0.9118	0.9034	0.8916
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9527	0.9614	0.9732	0.9900	1.0000
0.050	0.8677	0.8907	0.9229	0.9705	0.9999
0.075	0.7503	0.7996	0.8562	0.9434	0.9998
0.100	0.6374	0.6931	0.7757	0.9090	0.9996
0.125	0.5037	0.5749	0.6830	0.8672	0.9994
0.150	0.3429	0.4383	0.5801	0.8176	0.9992
0.175	0.1879	0.2892	0.4610	0.7600	0.9989
0.200	0.0568	0.1475	0.3280	0.6940	0.9986
0.225	0.	0.0325	0.1953	0.6192	0.9982
0.250	0.	0.	0.0751	0.5340	0.9977
0.275	0.	0.	0.	0.4322	0.9971
0.300	0.	0.	0.	0.3217	0.9964
0.325	0.	0.	0.	0.2060	0.9956
0.350	0.	0.	0.	0.0934	0.9947
0.375	0.	0.	0.	0.0070	0.9935
0.400	0.	0.	0.	0.	0.9922
0.425	0.	0.	0.	0.	0.9905
0.450	0.	0.	0.	0.	0.9885
0.475	0.	0.	0.	0.	0.9861
0.500	0.	0.	0.	0.	0.9831
0.525	0.	0.	0.	0.	0.9794
0.550	0.	0.	0.	0.	0.9748
0.575	0.	0.	0.	0.	0.9690
0.600	0.	0.	0.	0.	0.9616
0.625	0.	0.	0.	0.	0.9519
0.650	0.	0.	0.	0.	0.9393
0.675	0.	0.	0.	0.	0.9223
0.700	0.	0.	0.	0.	0.8991
0.725	0.	0.	0.	0.	0.8665
0.750	0.	0.	0.	0.	0.8193
0.775	0.	0.	0.	0.	0.7485
0.800	0.	0.	0.	0.	0.6364
0.825	0.	0.	0.	0.	0.4471
0.850	0.	0.	0.	0.	0.1420
0.875	0.0251	0.	0.	0.	0.
0.900	0.2030	0.0659	0.	0.	0.
0.925	0.4546	0.3114	0.0068	0.	0.
0.950	0.6745	0.5945	0.3278	0.	0.
0.975	0.8728	0.8356	0.7197	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE. D=  5.00 DEGREES
GEOMETRY ...... D2/R =10.00  AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9628	0.9647	0.9666	0.9687	0.9710
0.050	0.8975	0.9024	0.9074	0.9128	0.9189
0.075	0.8168	0.8251	0.8334	0.8424	0.8529
0.100	0.7261	0.7376	0.7492	0.7619	0.7767
0.125	0.6291	0.6433	0.6580	0.6741	0.6929
0.150	0.5287	0.5452	0.5623	0.5813	0.6037
0.175	0.4199	0.4399	0.4606	0.4837	0.5109
0.200	0.3107	0.3315	0.3534	0.3780	0.4078
0.225	0.2078	0.2281	0.2499	0.2747	0.3052
0.250	0.1157	0.1340	0.1541	0.1775	0.2070
0.275	0.0411	0.0553	0.0716	0.0914	0.1173
0.300	0.	0.0035	0.0117	0.0243	0.0431
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.0411	0.0284	0.0165	0.0059	0.
0.750	0.1157	0.0981	0.0801	0.0610	0.0397
0.775	0.2078	0.1877	0.1666	0.1432	0.1155
0.800	0.3107	0.2898	0.2676	0.2423	0.2115
0.825	0.4199	0.3997	0.3776	0.3525	0.3211
0.850	0.5287	0.5118	0.4930	0.4694	0.4396
0.875	0.6291	0.6144	0.5983	0.5794	0.5553
0.900	0.7261	0.7143	0.7012	0.6857	0.6657
0.925	0.8168	0.8083	0.7987	0.7872	0.7724
0.950	0.8975	0.8923	0.8865	0.8795	0.8704
0.975	0.9628	0.9608	0.9585	0.9558	0.9521
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

263

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9738	0.9776	0.9833	0.9927	1.0000
0.050	0.9264	0.9367	0.9521	0.9787	0.9999
0.075	0.8659	0.8836	0.9110	0.9595	0.9998
0.100	0.7955	0.8210	0.8615	0.9355	0.9996
0.125	0.7169	0.7505	0.8045	0.9066	0.9994
0.150	0.6325	0.6735	0.7407	0.8728	0.9992
0.175	0.5437	0.5912	0.6707	0.8340	0.9990
0.200	0.4468	0.5039	0.5954	0.7899	0.9986
0.225	0.3460	0.4071	0.5146	0.7404	0.9983
0.250	0.2473	0.3097	0.4241	0.6852	0.9978
0.275	0.1545	0.2145	0.3312	0.6243	0.9973
0.300	0.0729	0.1257	0.2381	0.5575	0.9966
0.325	0.0125	0.0498	0.1486	0.4804	0.9959
0.350	0.	0.0012	0.0684	0.3970	0.9950
0.375	0.	0.	0.0090	0.3085	0.9939
0.400	0.	0.	0.	0.2172	0.9927
0.425	0.	0.	0.	0.1269	0.9912
0.450	0.	0.	0.	0.0459	0.9894
0.475	0.	0.	0.	0.	0.9872
0.500	0.	0.	0.	0.	0.9845
0.525	0.	0.	0.	0.	0.9813
0.550	0.	0.	0.	0.	0.9772
0.575	0.	0.	0.	0.	0.9722
0.600	0.	0.	0.	0.	0.9658
0.625	0.	0.	0.	0.	0.9577
0.650	0.	0.	0.	0.	0.9472
0.675	0.	0.	0.	0.	0.9334
0.700	0.	0.	0.	0.	0.9148
0.725	0.	0.	0.	0.	0.8894
0.750	0.0160	0.	0.	0.	0.8535
0.775	0.0806	0.0347	0.	0.	0.8015
0.800	0.1707	0.1114	0.0219	0.	0.7235
0.825	0.2782	0.2124	0.0961	0.	0.5989
0.850	0.3979	0.3315	0.2027	0.	0.3927
0.875	0.5212	0.4634	0.3350	0.0004	0.0776
0.900	0.6370	0.5892	0.4861	0.0744	0.
0.925	0.7507	0.7138	0.6304	0.2383	0.
0.950	0.8568	0.8332	0.7773	0.4894	0.
0.975	0.9467	0.9369	0.9129	0.7610	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

264

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9910	0.9912	0.9915	0.9919	0.9922
0.050	0.9747	0.9754	0.9762	0.9771	0.9782
0.075	0.9539	0.9552	0.9567	0.9582	0.9601
0.100	0.9297	0.9317	0.9338	0.9361	0.9388
0.125	0.9027	0.9054	0.9082	0.9112	0.9149
0.150	0.8735	0.8768	0.8802	0.8841	0.8887
0.175	0.8422	0.8462	0.8503	0.8550	0.8605
0.200	0.8117	0.8158	0.8201	0.8249	0.8309
0.225	0.7903	0.7942	0.7983	0.8029	0.8087
0.250	0.7733	0.7770	0.7810	0.7855	0.7910
0.275	0.7593	0.7628	0.7665	0.7708	0.7761
0.300	0.7477	0.7509	0.7544	0.7583	0.7633
0.325	0.7380	0.7409	0.7440	0.7477	0.7522
0.350	0.7301	0.7326	0.7353	0.7386	0.7427
0.375	0.7236	0.7257	0.7281	0.7309	0.7345
0.400	0.7185	0.7202	0.7222	0.7245	0.7276
0.425	0.7144	0.7158	0.7174	0.7193	0.7219
0.450	0.7115	0.7124	0.7136	0.7150	0.7169
0.475	0.7097	0.7102	0.7109	0.7118	0.7131
0.500	0.7091	0.7092	0.7094	0.7097	0.7104
0.525	0.7097	0.7093	0.7090	0.7088	0.7088
0.550	0.7115	0.7106	0.7099	0.7091	0.7084
0.575	0.7144	0.7131	0.7119	0.7106	0.7093
0.600	0.7185	0.7168	0.7152	0.7134	0.7113
0.625	0.7236	0.7215	0.7194	0.7172	0.7146
0.650	0.7301	0.7276	0.7251	0.7223	0.7191
0.675	0.7380	0.7352	0.7323	0.7291	0.7252
0.700	0.7477	0.7445	0.7413	0.7376	0.7332
0.725	0.7593	0.7559	0.7523	0.7482	0.7433
0.750	0.7733	0.7696	0.7657	0.7613	0.7560
0.775	0.7903	0.7864	0.7823	0.7776	0.7719
0.800	0.8117	0.8077	0.8033	0.7984	0.7923
0.825	0.8422	0.8382	0.8338	0.8287	0.8222
0.850	0.8735	0.8701	0.8664	0.8621	0.8566
0.875	0.9027	0.9000	0.8970	0.8936	0.8892
0.900	0.9297	0.9276	0.9254	0.9228	0.9195
0.925	0.9539	0.9525	0.9509	0.9492	0.9469
0.950	0.9747	0.9739	0.9730	0.9719	0.9706
0.975	0.9910	0.9907	0.9903	0.9899	0.9895
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9927	0.9934	0.9946	0.9970	1.0000
0.050	0.9795	0.9814	0.9846	0.9913	0.9999
0.075	0.9624	0.9658	0.9715	0.9837	0.9998
0.100	0.9423	0.9474	0.9559	0.9744	0.9997
0.125	0.9196	0.9264	0.9380	0.9635	0.9995
0.150	0.8947	0.9033	0.9181	0.9511	0.9993
0.175	0.8677	0.8782	0.8962	0.9371	0.9991
0.200	0.8389	0.8512	0.8725	0.9216	0.9989
0.225	0.8163	0.8279	0.8492	0.9046	0.9986
0.250	0.7994	0.8099	0.8310	0.8875	0.9982
0.275	0.7833	0.7943	0.8153	0.8729	0.9978
0.300	0.7701	0.7807	0.8011	0.8594	0.9973
0.325	0.7585	0.7685	0.7881	0.8464	0.9967
0.350	0.7484	0.7577	0.7761	0.8337	0.9961
0.375	0.7396	0.7480	0.7651	0.8213	0.9954
0.400	0.7320	0.7394	0.7550	0.8091	0.9946
0.425	0.7255	0.7318	0.7457	0.7970	0.9937
0.450	0.7199	0.7252	0.7373	0.7852	0.9927
0.475	0.7152	0.7193	0.7295	0.7735	0.9916
0.500	0.7117	0.7145	0.7224	0.7620	0.9903
0.525	0.7092	0.7107	0.7162	0.7507	0.9888
0.550	0.7079	0.7080	0.7109	0.7396	0.9870
0.575	0.7078	0.7064	0.7067	0.7287	0.9848
0.600	0.7090	0.7062	0.7037	0.7184	0.9823
0.625	0.7114	0.7073	0.7020	0.7087	0.9792
0.650	0.7151	0.7098	0.7018	0.6999	0.9755
0.675	0.7204	0.7135	0.7029	0.6922	0.9708
0.700	0.7275	0.7193	0.7059	0.6861	0.9651
0.725	0.7369	0.7274	0.7113	0.6817	0.9579
0.750	0.7489	0.7383	0.7195	0.6798	0.9486
0.775	0.7642	0.7525	0.7314	0.6813	0.9365
0.800	0.7841	0.7715	0.7482	0.6878	0.9206
0.825	0.8133	0.7990	0.7726	0.7016	0.8989
0.850	0.8491	0.8369	0.8120	0.7276	0.8690
0.875	0.8531	0.8732	0.8527	0.7783	0.8266
0.900	0.9148	0.9072	0.8914	0.8322	0.7646
0.925	0.9437	0.9384	0.9273	0.6846	0.6735
0.950	0.9688	0.9657	0.9592	0.9334	0.5529
0.975	0.9888	0.9876	0.9852	0.9750	0.6097
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =25.00   AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9914	0.9917	0.9920	0.9923	0.9927
0.050	0.9760	0.9768	0.9775	0.9783	0.9793
0.075	0.9564	0.9576	0.9590	0.9604	0.9621
0.100	0.9335	0.9353	0.9373	0.9394	0.9420
0.125	0.9079	0.9104	0.9130	0.9159	0.9193
0.150	0.8801	0.8833	0.8865	0.8901	0.8944
0.175	0.8554	0.8585	0.8618	0.8655	0.8700
0.200	0.8381	0.8411	0.8444	0.8480	0.8525
0.225	0.8241	0.8270	0.8302	0.8338	0.8382
0.250	0.8125	0.8153	0.8183	0.8218	0.8260
0.275	0.8027	0.8053	0.8082	0.8115	0.8155
0.300	0.7944	0.7969	0.7995	0.8025	0.8063
0.325	0.7875	0.7897	0.7921	0.7948	0.7983
0.350	0.7817	0.7837	0.7858	0.7882	0.7914
0.375	0.7771	0.7787	0.7805	0.7826	0.7854
0.400	0.7734	0.7747	0.7762	0.7780	0.7803
0.425	0.7706	0.7716	0.7728	0.7742	0.7761
0.450	0.7685	0.7692	0.7700	0.7711	0.7726
0.475	0.7672	0.7676	0.7681	0.7687	0.7697
0.500	0.7667	0.7668	0.7669	0.7672	0.7677
0.525	0.7672	0.7669	0.7666	0.7665	0.7665
0.550	0.7685	0.7678	0.7672	0.7667	0.7662
0.575	0.7706	0.7696	0.7687	0.7677	0.7667
0.600	0.7734	0.7721	0.7709	0.7696	0.7681
0.625	0.7771	0.7755	0.7739	0.7722	0.7702
0.650	0.7817	0.7799	0.7780	0.7759	0.7734
0.675	0.7875	0.7854	0.7831	0.7807	0.7778
0.700	0.7944	0.7920	0.7895	0.7867	0.7834
0.725	0.8027	0.8001	0.7973	0.7942	0.7905
0.750	0.8125	0.8096	0.8067	0.8033	0.7992
0.775	0.8241	0.8211	0.8180	0.8144	0.8100
0.800	0.8381	0.8350	0.8317	0.8280	0.8234
0.825	0.8554	0.8523	0.8490	0.8451	0.8404
0.850	0.8801	0.8769	0.8735	0.8694	0.8644
0.875	0.9079	0.9054	0.9026	0.8993	0.8952
0.900	0.9335	0.9315	0.9294	0.9270	0.9239
0.925	0.9564	0.9551	0.9536	0.9520	0.9498
0.950	0.9760	0.9753	0.9745	0.9735	0.9723
0.975	0.9914	0.9912	0.9909	0.9905	0.9901
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R = 25.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9931	0.9938	0.9948	0.9971	1.0000
0.050	0.9806	0.9824	0.9853	0.9916	0.9999
0.075	0.9644	0.9676	0.9729	0.9844	0.9998
0.100	0.9453	0.9500	0.9580	0.9755	0.9997
0.125	0.9237	0.9301	0.9410	0.9650	0.9995
0.150	0.9000	0.9082	0.9220	0.9532	0.9994
0.175	0.8760	0.8849	0.9012	0.9398	0.9991
0.200	0.8594	0.8674	0.8837	0.9252	0.9989
0.225	0.8441	0.8531	0.8696	0.9129	0.9986
0.250	0.8318	0.8406	0.8571	0.9019	0.9982
0.275	0.8210	0.8296	0.8459	0.8915	0.9978
0.300	0.8116	0.8197	0.8355	0.8814	0.9973
0.325	0.8032	0.8108	0.8260	0.8717	0.9969
0.350	0.7956	0.8029	0.8171	0.8621	0.9963
0.375	0.7893	0.7957	0.8089	0.8527	0.9958
0.400	0.7837	0.7893	0.8013	0.8433	0.9951
0.425	0.7789	0.7837	0.7944	0.8341	0.9944
0.450	0.7749	0.7788	0.7880	0.8250	0.9936
0.475	0.7714	0.7745	0.7822	0.8161	0.9926
0.500	0.7687	0.7708	0.7769	0.8072	0.9915
0.525	0.7668	0.7679	0.7722	0.7986	0.9902
0.550	0.7658	0.7658	0.7681	0.7902	0.9887
0.575	0.7656	0.7645	0.7649	0.7819	0.9869
0.600	0.7664	0.7643	0.7625	0.7739	0.9847
0.625	0.7679	0.7648	0.7610	0.7664	0.9821
0.650	0.7704	0.7662	0.7605	0.7595	0.9790
0.675	0.7741	0.7689	0.7609	0.7535	0.9751
0.700	0.7791	0.7729	0.7628	0.7485	0.9703
0.725	0.7856	0.7784	0.7663	0.7445	0.9643
0.750	0.7939	0.7858	0.7717	0.7424	0.9567
0.775	0.8042	0.7954	0.7795	0.7426	0.9468
0.800	0.8173	0.8078	0.7904	0.7460	0.9338
0.825	0.8340	0.8241	0.8053	0.7538	0.9162
0.850	0.8573	0.8466	0.8265	0.7682	0.8922
0.875	0.8895	0.8802	0.8611	0.7940	0.8585
0.900	0.9195	0.9125	0.8977	0.8425	0.8099
0.925	0.9468	0.9419	0.9316	0.8920	0.7391
0.950	0.9706	0.9677	0.9617	0.9379	0.6439
0.975	0.9894	0.9883	0.9861	0.9768	0.6376
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.7342	0.7684	0.7985	0.8267	0.8544
0.050	0.	0.	0.3460	0.5423	0.6077
0.075	0.	0.	0.	0.	0.0014
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.7342	0.6926	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8832	0.9144	0.9492	0.9854	1.0000
0.050	0.6785	0.7588	0.8528	0.9564	0.9999
0.075	0.3059	0.5629	0.7243	0.9153	0.9998
0.100	0.	0.1569	0.5700	0.8622	0.9996
0.125	0.	0.	0.3018	0.7965	0.9994
0.150	0.	0.	0.0267	0.7173	0.9992
0.175	0.	0.	0.	0.6241	0.9989
0.200	0.	0.	0.	0.5038	0.9985
0.225	0.	0.	0.	0.3351	0.9981
0.250	0.	0.	0.	0.1536	0.9976
0.275	0.	0.	0.	0.0056	0.9970
0.300	0.	0.	0.	0.	0.9962
0.325	0.	0.	0.	0.	0.9954
0.350	0.	0.	0.	0.	0.9943
0.375	0.	0.	0.	0.	0.9931
0.400	0.	0.	0.	0.	0.9916
0.425	0.	0.	0.	0.	0.9898
0.450	0.	0.	0.	0.	0.9876
0.475	0.	0.	0.	0.	0.9849
0.500	0.	0.	0.	0.	0.9815
0.525	0.	0.	0.	0.	0.9774
0.550	0.	0.	0.	0.	0.9721
0.575	0.	0.	0.	0.	0.9654
0.600	0.	0.	0.	0.	0.9567
0.625	0.	0.	0.	0.	0.9453
0.650	0.	0.	0.	0.	0.9300
0.675	0.	0.	0.	0.	0.9092
0.700	0.	0.	0.	0.	0.8600
0.725	0.	0.	0.	0.	0.8379
0.750	0.	0.	0.	0.	0.7750
0.775	0.	0.	0.	0.	0.6774
0.800	0.	0.	0.	0.	0.4979
0.825	0.	0.	0.	0.	0.1906
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9316	0.9362	0.9406	0.9453	0.9504
0.050	0.8144	0.8258	0.8370	0.8489	0.8621
0.075	0.6740	0.6923	0.7105	0.7300	0.7519
0.100	0.5229	0.5469	0.5712	0.5974	0.6274
0.125	0.3073	0.3493	0.3918	0.4374	0.4892
0.150	0.1084	0.1484	0.1916	0.2405	0.2989
0.175	0.	0.0088	0.0348	0.0726	0.1248
0.200	0.	0.	0.	0.	0.0051
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.1084	0.0703	0.0338	0.0035	0.
0.875	0.3073	0.2636	0.2156	0.1599	0.0925
0.900	0.5229	0.4975	0.4551	0.4028	0.3325
0.925	0.6740	0.6547	0.6328	0.6062	0.5708
0.950	0.8144	0.8021	0.7881	0.7708	0.7474
0.975	0.9316	0.9267	0.9210	0.9138	0.9039
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

269

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A   RECTANGULAR CYLINDER ***
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SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ..... D2/R = 5.00   AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9564	0.9642	0.9748	0.9904	1.0000
0.050	0.8780	0.8935	0.9277	0.9717	0.9999
0.075	0.7786	0.8139	0.8651	0.9457	0.9998
0.100	0.6546	0.7145	0.7896	0.9129	0.9998
0.125	0.5407	0.6043	0.7027	0.3730	0.9996
0.150	0.3733	0.4756	0.6060	0.8259	0.9994
0.175	0.1989	0.3106	0.4939	0.7711	0.9992
0.200	0.0523	0.1526	0.3496	0.7084	0.9989
0.225	0.	0.0266	0.2041	0.6375	0.9986
0.250	0.	0.	0.0724	0.5582	0.9982
0.275	0.	0.	0.	0.4530	0.9977
0.300	0.	0.	0.	0.3360	0.9971
0.325	0.	0.	0.	0.2125	0.9965
0.350	0.	0.	0.	0.0919	0.9957
0.375	0.	0.	0.	0.0030	0.9947
0.400	0.	0.	0.	0.	0.9936
0.425	0.	0.	0.	0.	0.9922
0.450	0.	0.	0.	0.	0.9906
0.475	0.	0.	0.	0.	0.9886
0.500	0.	0.	0.	0.	0.9862
0.525	0.	0.	0.	0.	0.9833
0.550	0.	0.	0.	0.	0.9796
0.575	0.	0.	0.	0.	0.9751
0.600	0.	0.	0.	0.	0.9694
0.625	0.	0.	0.	0.	0.9621
0.650	0.	0.	0.	0.	0.9527
0.675	0.	0.	0.	0.	0.9403
0.700	0.	0.	0.	0.	0.9238
0.725	0.	0.	0.	0.	0.9012
0.750	0.	0.	0.	0.	0.8695
0.775	0.	0.	0.	0.	0.8238
0.800	0.	0.	0.	0.	0.7556
0.825	0.	0.	0.	0.	0.6473
0.850	0.	0.	0.	0.	0.4561
0.875	0.0155	0.	0.	0.	0.1412
0.900	0.2279	0.0605	0.	0.	0.
0.925	0.5182	0.3758	0.	0.	0.
0.950	0.7114	0.6448	0.4595	0.	0.
0.975	0.8883	0.8581	0.7683	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9645	0.9663	0.9681	0.9700	0.9722
0.050	0.9021	0.9067	0.9114	0.9164	0.9222
0.075	0.8249	0.8326	0.8405	0.7716	0.7856
0.100	0.7379	0.7486	0.7596	0.7716	0.7050
0.125	0.6445	0.6580	0.6719	0.6871	0.7050
0.150	0.5476	0.5633	0.5796	0.5976	0.6190
0.175	0.4384	0.4593	0.4810	0.5051	0.5292
0.200	0.3208	0.3429	0.3661	0.3921	0.4234
0.225	0.2100	0.2317	0.2549	0.2814	0.3138
0.250	0.1116	0.1311	0.1524	0.1774	0.2087
0.275	0.0339	0.0483	0.0652	0.0860	0.1133
0.300	0.	0.0000	0.0058	0.0173	0.0360
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.0339	0.0211	0.0098	0.0012	0.
0.750	0.1116	0.0929	0.0740	0.0540	0.0322
0.775	0.2100	0.1886	0.1660	0.1410	0.1114
0.800	0.3208	0.2986	0.2748	0.2477	0.2146
0.825	0.4384	0.4170	0.3938	0.3670	0.3334
0.850	0.5476	0.5315	0.5140	0.4934	0.4620
0.875	0.6445	0.6306	0.6154	0.5975	0.5747
0.900	0.7379	0.7267	0.7144	0.6997	0.6809
0.925	0.8249	0.8168	0.8078	0.7971	0.7832
0.950	0.9021	0.8973	0.8918	0.8853	0.8767
0.975	0.9645	0.9626	0.9605	0.9579	0.9545
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

273

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =10.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9749	0.9785	0.9838	0.9929	1.0000
0.050	0.9293	0.9390	0.9537	0.9792	0.9999
0.075	0.8711	0.8879	0.9140	0.9605	0.9998
0.100	0.8032	0.8276	0.8662	0.9371	0.9996
0.125	0.7278	0.7597	0.8111	0.9090	0.9994
0.150	0.6464	0.6854	0.7494	0.8762	0.9992
0.175	0.5606	0.6059	0.6818	0.8385	0.9990
0.200	0.4643	0.5223	0.6090	0.7957	0.9986
0.225	0.3569	0.4211	0.5316	0.7476	0.9983
0.250	0.2515	0.3175	0.4375	0.6942	0.9978
0.275	0.1526	0.2163	0.3393	0.6351	0.9973
0.300	0.0667	0.1221	0.2409	0.5704	0.9967
0.325	0.0065	0.0430	0.1461	0.4927	0.9959
0.350	0.	0.	0.0621	0.4059	0.9950
0.375	0.	0.	0.0038	0.3134	0.9940
0.400	0.	0.	0.	0.2176	0.9927
0.425	0.	0.	0.	0.1230	0.9912
0.450	0.	0.	0.	0.0393	0.9894
0.475	0.	0.	0.	0.	0.9873
0.500	0.	0.	0.	0.	0.9846
0.525	0.	0.	0.	0.	0.9814
0.550	0.	0.	0.	0.	0.9774
0.575	0.	0.	0.	0.	0.9724
0.600	0.	0.	0.	0.	0.9662
0.625	0.	0.	0.	0.	0.9582
0.650	0.	0.	0.	0.	0.9478
0.675	0.	0.	0.	0.	0.9342
0.700	0.	0.	0.	0.	0.9160
0.725	0.	0.	0.	0.	0.8910
0.750	0.0092	0.	0.	0.	0.8559
0.775	0.0744	0.0268	0.	0.	0.8052
0.800	0.1707	0.1070	0.0139	0.	0.7293
0.825	0.2874	0.2164	0.0905	0.	0.6061
0.850	0.4179	0.3468	0.2068	0.	0.3960
0.875	0.5425	0.4900	0.3539	0.	0.0709
0.900	0.6540	0.6091	0.5124	0.0647	0.
0.925	0.7629	0.7285	0.6510	0.2563	0.
0.950	0.8641	0.8422	0.7907	0.5296	0.
0.975	0.9495	0.9405	0.9185	0.7842	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

27f

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***
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SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9910	0.9913	0.9915	0.9919	0.9923
0.050	0.9747	0.9755	0.9763	0.9771	0.9782
0.075	0.9539	0.9553	0.9567	0.9583	0.9601
0.100	0.9298	0.9318	0.9339	0.9362	0.9389
0.125	0.9029	0.9055	0.9083	0.9114	0.9150
0.150	0.8736	0.8769	0.8804	0.8842	0.8888
0.175	0.8424	0.8464	0.8505	0.8552	0.8607
0.200	0.8109	0.8151	0.8195	0.8245	0.8307
0.225	0.7887	0.7926	0.7968	0.8015	0.8073
0.250	0.7714	0.7751	0.7791	0.7837	0.7893
0.275	0.7573	0.7608	0.7645	0.7688	0.7742
0.300	0.7457	0.7489	0.7523	0.7563	0.7613
0.325	0.7361	0.7390	0.7421	0.7457	0.7503
0.350	0.7282	0.7308	0.7335	0.7368	0.7409
0.375	0.7220	0.7241	0.7265	0.7293	0.7328
0.400	0.7172	0.7189	0.7208	0.7231	0.7261
0.425	0.7131	0.7145	0.7161	0.7181	0.7207
0.450	0.7101	0.7111	0.7122	0.7137	0.7156
0.475	0.7083	0.7085	0.7095	0.7104	0.7117
0.500	0.7077	0.7076	0.7079	0.7083	0.7090
0.525	0.7083	0.7079	0.7076	0.7074	0.7074
0.550	0.7101	0.7092	0.7084	0.7077	0.7070
0.575	0.7131	0.7118	0.7105	0.7092	0.7070
0.600	0.7172	0.7155	0.7139	0.7092	0.7078
0.625	0.7220	0.7199	0.7179	0.7156	0.7100
0.650	0.7282	0.7258	0.7233	0.7205	0.7131
0.675	0.7361	0.7333	0.7303	0.7271	0.7173
0.700	0.7457	0.7425	0.7392	0.7355	0.7233
0.725	0.7573	0.7538	0.7502	0.7461	0.7311
0.750	0.7714	0.7677	0.7637	0.7593	0.7412
0.775	0.7887	0.7848	0.7806	0.7758	0.7539
0.800	0.8109	0.8068	0.8023	0.7973	0.7700
0.825	0.8424	0.8384	0.8340	0.8289	0.7911
0.850	0.8736	0.8702	0.8665	0.8622	0.8225
0.875	0.9029	0.9001	0.8972	0.8937	0.8568
0.900	0.9298	0.9277	0.9255	0.9229	0.8894
0.925	0.9539	0.9525	0.9510	0.9492	0.9196
0.950	0.9747	0.9739	0.9730	0.9720	0.9469
0.975	0.9910	0.9907	0.9903	0.9900	0.9707
1.000	1.0000	1.0000	1.0000	1.0000	0.9895
					1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =00.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9927	0.9934	0.9946	0.9970	1.0000
0.050	0.9795	0.9814	0.9846	0.9913	0.9999
0.075	0.9625	0.9659	0.9716	0.9837	0.9998
0.100	0.9424	0.9475	0.9560	0.9744	0.9997
0.125	0.9197	0.9265	0.9381	0.9635	0.9995
0.150	0.8948	0.9034	0.9182	0.9511	0.9993
0.175	0.8679	0.8783	0.8963	0.9372	0.9991
0.200	0.8391	0.8514	0.8727	0.9217	0.9989
0.225	0.8151	0.8269	0.8485	0.9047	0.9986
0.250	0.7968	0.8084	0.8298	0.8870	0.9982
0.275	0.7814	0.7926	0.8137	0.8721	0.9978
0.300	0.7681	0.7788	0.7994	0.8583	0.9973
0.325	0.7566	0.7665	0.7863	0.8451	0.9967
0.350	0.7466	0.7558	0.7744	0.8323	0.9961
0.375	0.7379	0.7463	0.7634	0.8199	0.9953
0.400	0.7305	0.7378	0.7534	0.8076	0.9945
0.425	0.7243	0.7305	0.7443	0.7956	0.9937
0.450	0.7187	0.7241	0.7360	0.7838	0.9927
0.475	0.7139	0.7181	0.7284	0.7722	0.9915
0.500	0.7103	0.7131	0.7212	0.7608	0.9902
0.525	0.7078	0.7092	0.7149	0.7497	0.9887
0.550	0.7065	0.7065	0.7095	0.7386	0.9868
0.575	0.7064	0.7050	0.7053	0.7276	0.9847
0.600	0.7076	0.7047	0.7022	0.7170	0.9821
0.625	0.7100	0.7059	0.7005	0.7072	0.9790
0.650	0.7133	0.7080	0.7004	0.6983	0.9752
0.675	0.7184	0.7116	0.7011	0.6906	0.9706
0.700	0.7254	0.7172	0.7038	0.6844	0.9648
0.725	0.7347	0.7252	0.7090	0.6798	0.9575
0.750	0.7467	0.7360	0.7171	0.6774	0.9482
0.775	0.7622	0.7504	0.7290	0.6787	0.9361
0.800	0.7927	0.7699	0.7462	0.6850	0.9201
0.825	0.8136	0.7993	0.7717	0.6990	0.8984
0.850	0.8403	0.8371	0.8123	0.7264	0.8685
0.875	0.8932	0.8733	0.8529	0.7786	0.8261
0.900	0.9149	0.9074	0.8916	0.8325	0.7639
0.925	0.9437	0.9385	0.9274	0.8848	0.6715
0.950	0.9668	0.9658	0.9593	0.9335	0.5488
0.975	0.9888	0.9876	0.9852	0.9751	0.6104
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***


SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =25.00   AND H/R = 1.0


BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9915	0.9917	0.9920	0.9923	0.9927
0.050	0.9760	0.9768	0.9775	0.9783	0.9793
0.075	0.9564	0.9577	0.9590	0.9605	0.9622
0.100	0.9335	0.9354	0.9373	0.9395	0.9420
0.125	0.9080	0.9105	0.9131	0.9159	0.9194
0.150	0.8802	0.8834	0.8866	0.8902	0.8945
0.175	0.8544	0.8576	0.8609	0.8647	0.8693
0.200	0.8366	0.8397	0.8429	0.8467	0.8512
0.225	0.8223	0.8253	0.8285	0.8322	0.8366
0.250	0.8106	0.8135	0.8165	0.8200	0.8243
0.275	0.8008	0.8035	0.8064	0.8097	0.8138
0.300	0.7927	0.7951	0.7977	0.8008	0.8046
0.325	0.7858	0.7880	0.7904	0.7932	0.7967
0.350	0.7802	0.7822	0.7843	0.7867	0.7898
0.375	0.7758	0.7774	0.7792	0.7813	0.7840
0.400	0.7723	0.7736	0.7751	0.7768	0.7791
0.425	0.7698	0.7708	0.7719	0.7733	0.7751
0.450	0.7676	0.7683	0.7692	0.7703	0.7718
0.475	0.7663	0.7666	0.7671	0.7678	0.7689
0.500	0.7658	0.7659	0.7660	0.7663	0.7668
0.525	0.7663	0.7659	0.7657	0.7656	0.7656
0.550	0.7676	0.7669	0.7663	0.7657	0.7652
0.575	0.7698	0.7688	0.7678	0.7668	0.7658
0.600	0.7723	0.7711	0.7699	0.7686	0.7672
0.625	0.7758	0.7742	0.7726	0.7710	0.7690
0.650	0.7802	0.7784	0.7765	0.7744	0.7720
0.675	0.7858	0.7837	0.7815	0.7790	0.7761
0.700	0.7927	0.7903	0.7877	0.7849	0.7816
0.725	0.8008	0.7982	0.7954	0.7923	0.7886
0.750	0.8106	0.8078	0.8048	0.8014	0.7973
0.775	0.8223	0.8194	0.8162	0.8126	0.8062
0.800	0.8366	0.8335	0.8301	0.8264	0.8217
0.825	0.8544	0.8513	0.8479	0.8440	0.8391
0.850	0.8802	0.8771	0.8736	0.8696	0.8645
0.875	0.9080	0.9054	0.9027	0.8994	0.8953
0.900	0.9335	0.9316	0.9295	0.9271	0.9240
0.925	0.9564	0.9551	0.9537	0.9520	0.9499
0.950	0.9760	0.9753	0.9745	0.9735	0.9723
0.975	0.9915	0.9912	0.9909	0.9905	0.9901
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9931	0.9938	0.9948	0.9971	1.0000
0.050	0.9806	0.9824	0.9853	0.9916	0.9999
0.075	0.9644	0.9676	0.9729	0.9844	0.9998
0.100	0.9453	0.9501	0.9581	0.9755	0.9997
0.125	0.9238	0.9302	0.9411	0.9651	0.9995
0.150	0.9001	0.9082	0.9221	0.9532	0.9994
0.175	0.8754	0.8845	0.9013	0.9399	0.9991
0.200	0.8572	0.8663	0.8829	0.9251	0.9989
0.225	0.8426	0.8517	0.8684	0.9123	0.9986
0.250	0.8301	0.8391	0.8557	0.9010	0.9982
0.275	0.8193	0.8279	0.8444	0.8904	0.9978
0.300	0.8098	0.8181	0.8340	0.8803	0.9973
0.325	0.8015	0.8092	0.8244	0.8704	0.9968
0.350	0.7942	0.8013	0.8156	0.8608	0.9963
0.375	0.7879	0.7943	0.8075	0.8514	0.9957
0.400	0.7524	0.7880	0.8000	0.8421	0.9951
0.425	0.7779	0.7826	0.7932	0.8329	0.9943
0.450	0.7741	0.7779	0.7870	0.8238	0.9935
0.475	0.7705	0.7737	0.7814	0.8150	0.9925
0.500	0.7678	0.7700	0.7761	0.8063	0.9914
0.525	0.7659	0.7670	0.7713	0.7978	0.9901
0.550	0.7648	0.7649	0.7672	0.7896	0.9885
0.575	0.7547	0.7636	0.7639	0.7811	0.9867
0.600	0.7555	0.7633	0.7615	0.7730	0.9845
0.625	0.7667	0.7638	0.7601	0.7654	0.9819
0.650	0.7690	0.7649	0.7593	0.7585	0.9788
0.675	0.7725	0.7673	0.7595	0.7524	0.9749
0.700	0.7773	0.7711	0.7611	0.7473	0.9701
0.725	0.7837	0.7765	0.7644	0.7430	0.9640
0.750	0.7919	0.7838	0.7697	0.7405	0.9563
0.775	0.8023	0.7934	0.7774	0.7404	0.9464
0.800	0.8155	0.8059	0.7883	0.7435	0.9333
0.825	0.8326	0.8225	0.8034	0.7513	0.9157
0.850	0.8574	0.8462	0.8254	0.7660	0.8917
0.875	0.8896	0.8803	0.8612	0.7930	0.8580
0.900	0.9196	0.9126	0.8978	0.8427	0.8095
0.925	0.9469	0.9420	0.9317	0.8921	0.7379
0.950	0.9706	0.9678	0.9617	0.9379	0.6408
0.975	0.9894	0.9884	0.9861	0.9766	0.6380
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

278

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8411	0.8569	0.8716	0.8860	0.9009
0.050	0.5863	0.6226	0.6571	0.6918	0.7288
0.075	0.	0.	0.	0.	0.5229
0.100	0.	0.	0.	0.	0.
0.125	0.	0.	0.	0.	0.
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.8411	0.8229	0.	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R = 1.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AH	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9173	0.9364	0.9597	0.9872	1.0000
0.050	0.7705	0.8204	0.8835	0.9618	0.9999
0.075	0.5995	0.6724	0.7821	0.9262	0.9998
0.100	0.	0.4328	0.6597	0.8805	0.9996
0.125	0.	0.	0.5094	0.8243	0.9994
0.150	0.	0.	0.0351	0.7569	0.9992
0.175	0.	0.	0.	0.6780	0.9989
0.200	0.	0.	0.	0.5869	0.9985
0.225	0.	0.	0.	0.4211	0.9981
0.250	0.	0.	0.	0.1955	0.9976
0.275	0.	0.	0.	0.0033	0.9970
0.300	0.	0.	0.	0.	0.9963
0.325	0.	0.	0.	0.	0.9955
0.350	0.	0.	0.	0.	0.9945
0.375	0.	0.	0.	0.	0.9932
0.400	0.	0.	0.	0.	0.9918
0.425	0.	0.	0.	0.	0.9900
0.450	0.	0.	0.	0.	0.9879
0.475	0.	0.	0.	0.	0.9853
0.500	0.	0.	0.	0.	0.9820
0.525	0.	0.	0.	0.	0.9780
0.550	0.	0.	0.	0.	0.9730
0.575	0.	0.	0.	0.	0.9666
0.600	0.	0.	0.	0.	0.9583
0.625	0.	0.	0.	0.	0.9475
0.650	0.	0.	0.	0.	0.9332
0.675	0.	0.	0.	0.	0.9137
0.700	0.	0.	0.	0.	0.8866
0.725	0.	0.	0.	0.	0.8478
0.750	0.	0.	0.	0.	0.7905
0.775	0.	0.	0.	0.	0.7025
0.800	0.	0.	0.	0.	0.5298
0.825	0.	0.	0.	0.	0.2073
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R = 5.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9426	0.9462	0.9497	0.9533	0.9574
0.050	0.8435	0.8524	0.8613	0.8707	0.8813
0.075	0.7234	0.7379	0.7525	0.7681	0.7859
0.100	0.5920	0.6115	0.6313	0.6526	0.6772
0.125	0.3985	0.4518	0.5034	0.5295	0.5600
0.150	0.1134	0.1685	0.2272	0.2918	0.3661
0.175	0.	0.	0.0184	0.0649	0.1330
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.1134	0.0610	0.0146	0.	0.
0.875	0.3986	0.3407	0.2742	0.1935	0.0924
0.900	0.5920	0.5717	0.5491	0.5221	0.4779
0.925	0.7234	0.7081	0.6909	0.6700	0.6425
0.950	0.8435	0.8340	0.8231	0.8099	0.7921
0.975	0.9426	0.9388	0.9345	0.9291	0.9217
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9623	0.9686	0.9775	0.9911	1.0000
0.050	0.8942	0.9110	0.9354	0.9738	0.9999
0.075	0.8076	0.8367	0.8797	0.9498	0.9998
0.100	0.7078	0.7493	0.8125	0.9196	0.9996
0.125	0.5984	0.6517	0.7350	0.8831	0.9994
0.150	0.4562	0.5463	0.6486	0.8399	0.9992
0.175	0.2290	0.3674	0.5546	0.7900	0.9989
0.200	0.0406	0.1661	0.4039	0.7330	0.9986
0.225	0.	0.0128	0.2265	0.6686	0.9982
0.250	0.	0.	0.0658	0.5966	0.9977
0.275	0.	0.	0.	0.5002	0.9972
0.300	0.	0.	0.	0.3693	0.9965
0.325	0.	0.	0.	0.2278	0.9957
0.350	0.	0.	0.	0.0865	0.9948
0.375	0.	0.	0.	0.	0.9937
0.400	0.	0.	0.	0.	0.9923
0.425	0.	0.	0.	0.	0.9907
0.450	0.	0.	0.	0.	0.9888
0.475	0.	0.	0.	0.	0.9865
0.500	0.	0.	0.	0.	0.9836
0.525	0.	0.	0.	0.	0.9801
0.550	0.	0.	0.	0.	0.9757
0.575	0.	0.	0.	0.	0.9701
0.600	0.	0.	0.	0.	0.9631
0.625	0.	0.	0.	0.	0.9540
0.650	0.	0.	0.	0.	0.9421
0.675	0.	0.	0.	0.	0.9263
0.700	0.	0.	0.	0.	0.9048
0.725	0.	0.	0.	0.	0.8749
0.750	0.	0.	0.	0.	0.8320
0.775	0.	0.	0.	0.	0.7684
0.800	0.	0.	0.	0.	0.6694
0.825	0.	0.	0.	0.	0.4748
0.850	0.	0.	0.	0.	0.1396
0.875	0.	0.	0.	0.	0.
0.900	0.3256	0.0388	0.	0.	0.
0.925	0.6018	0.5307	0.	0.	0.
0.950	0.7652	0.7163	0.5917	0.	0.
0.975	0.9104	0.8890	0.8296	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

282

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, L=   5.00 DEGREES
GEOMETRY ...... D2/R =10.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9674	0.9650	0.9706	0.9723	0.9743
0.050	0.9100	0.9141	0.9183	0.9228	0.9280
0.075	0.8387	0.8456	0.8527	0.8603	0.8692
0.100	0.7581	0.7678	0.7777	0.7885	0.8011
0.125	0.6713	0.6835	0.6960	0.7098	0.7260
0.150	0.5806	0.5949	0.6097	0.6262	0.6456
0.175	0.4823	0.5041	0.5207	0.5393	0.5614
0.200	0.3449	0.3700	0.3962	0.4254	0.4601
0.225	0.2154	0.2404	0.2670	0.2972	0.3339
0.250	0.1021	0.1241	0.1465	0.1770	0.2127
0.275	0.0185	0.0330	0.0509	0.0736	0.1040
0.300	0.	0.	0.	0.0044	0.0210
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.0185	0.0070	0.0000	0.	0.
0.750	0.1021	0.0811	0.0601	0.0384	0.0163
0.775	0.2154	0.1906	0.1646	0.1357	0.1017
0.800	0.3449	0.3195	0.2921	0.2608	0.2222
0.825	0.4823	0.4586	0.4326	0.4022	0.3637
0.850	0.5806	0.5659	0.5500	0.5314	0.5080
0.875	0.6713	0.6587	0.6450	0.6288	0.6082
0.900	0.7581	0.7481	0.7370	0.7240	0.7071
0.925	0.8387	0.8315	0.8235	0.8140	0.8016
0.950	0.9100	0.9057	0.9009	0.8951	0.8875
0.975	0.9674	0.9658	0.9639	0.9616	0.9586
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =10.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9767	0.9799	0.9848	0.9932	1.0000
0.050	0.9344	0.9431	0.9566	0.9802	0.9999
0.075	0.8802	0.8955	0.9193	0.9623	0.9998
0.100	0.8171	0.8392	0.8744	0.9400	0.9996
0.125	0.7467	0.7758	0.8227	0.9134	0.9995
0.150	0.6706	0.7062	0.7649	0.8822	0.9992
0.175	0.5901	0.6317	0.7015	0.8465	0.9990
0.200	0.5047	0.5531	0.6330	0.8060	0.9987
0.225	0.3823	0.4533	0.5601	0.7606	0.9983
0.250	0.2614	0.3358	0.4678	0.7101	0.9978
0.275	0.1483	0.2203	0.3580	0.6544	0.9973
0.300	0.0529	0.1139	0.2470	0.5933	0.9967
0.325	0.	0.0284	0.1405	0.5194	0.9959
0.350	0.	0.	0.0485	0.4255	0.9951
0.375	0.	0.	0.	0.3242	0.9940
0.400	0.	0.	0.	0.2185	0.9928
0.425	0.	0.	0.	0.1143	0.9913
0.450	0.	0.	0.	0.0256	0.9896
0.475	0.	0.	0.	0.	0.9874
0.500	0.	0.	0.	0.	0.9849
0.525	0.	0.	0.	0.	0.9817
0.550	0.	0.	0.	0.	0.9778
0.575	0.	0.	0.	0.	0.9729
0.600	0.	0.	0.	0.	0.9668
0.625	0.	0.	0.	0.	0.9590
0.650	0.	0.	0.	0.	0.9489
0.675	0.	0.	0.	0.	0.9357
0.700	0.	0.	0.	0.	0.9181
0.725	0.	0.	0.	0.	0.8940
0.750	0.	0.	0.	0.	0.8604
0.775	0.0599	0.0106	0.	0.	0.8120
0.800	0.1706	0.0964	0.0004	0.	0.7399
0.825	0.3103	0.2264	0.0766	0.	0.6207
0.850	0.4674	0.3856	0.2175	0.	0.4029
0.875	0.5792	0.5318	0.4040	0.	0.0571
0.900	0.6831	0.6431	0.5571	0.0371	0.
0.925	0.7837	0.7534	0.6856	0.3203	0.
0.950	0.8765	0.8573	0.8129	0.5939	0.
0.975	0.9542	0.9465	0.9277	0.8194	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE *** *** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 5.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9910	0.9913	0.9916	0.9919	0.9923
0.050	0.9748	0.9755	0.9763	0.9772	0.9782
0.075	0.9541	0.9554	0.9568	0.9584	0.9602
0.100	0.9300	0.9320	0.9340	0.9363	0.9390
0.125	0.9031	0.9058	0.9085	0.9116	0.9152
0.150	0.8739	0.8773	0.8807	0.8845	0.8891
0.175	0.8428	0.8468	0.8509	0.8555	0.8610
0.200	0.8101	0.8146	0.8194	0.8248	0.8312
0.225	0.7857	0.7897	0.7941	0.7990	0.8049
0.250	0.7676	0.7714	0.7755	0.7802	0.7859
0.275	0.7532	0.7567	0.7606	0.7649	0.7704
0.300	0.7415	0.7448	0.7483	0.7523	0.7574
0.325	0.7321	0.7350	0.7381	0.7418	0.7464
0.350	0.7246	0.7271	0.7298	0.7330	0.7371
0.375	0.7187	0.7208	0.7231	0.7259	0.7294
0.400	0.7144	0.7161	0.7179	0.7202	0.7232
0.425	0.7104	0.7119	0.7136	0.7156	0.7182
0.450	0.7073	0.7083	0.7095	0.7110	0.7130
0.475	0.7054	0.7059	0.7066	0.7076	0.7090
0.500	0.7048	0.7048	0.7050	0.7054	0.7061
0.525	0.7054	0.7050	0.7047	0.7045	0.7045
0.550	0.7073	0.7064	0.7056	0.7048	0.7041
0.575	0.7104	0.7091	0.7078	0.7064	0.7050
0.600	0.7144	0.7129	0.7113	0.7094	0.7073
0.625	0.7187	0.7167	0.7147	0.7125	0.7101
0.650	0.7246	0.7221	0.7197	0.7169	0.7138
0.675	0.7321	0.7293	0.7263	0.7231	0.7193
0.700	0.7415	0.7383	0.7350	0.7313	0.7269
0.725	0.7532	0.7497	0.7460	0.7418	0.7368
0.750	0.7676	0.7638	0.7598	0.7552	0.7497
0.775	0.7857	0.7816	0.7773	0.7724	0.7665
0.800	0.8101	0.8056	0.8009	0.7956	0.7891
0.825	0.8428	0.8388	0.8344	0.8293	0.8229
0.850	0.8739	0.8706	0.8669	0.8626	0.8572
0.875	0.9031	0.9004	0.8974	0.8940	0.8897
0.900	0.9300	0.9279	0.9257	0.9231	0.9198
0.925	0.9541	0.9527	0.9511	0.9494	0.9471
0.950	0.9748	0.9740	0.9731	0.9721	0.9708
0.975	0.9910	0.9907	0.9904	0.9900	0.9895
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =00.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9928	0.9935	0.9946	0.9970	1.0000
0.050	0.9796	0.9815	0.9847	0.9913	1.0000
0.075	0.9626	0.9660	0.9716	0.9837	0.9999
0.100	0.9425	0.9476	0.9561	0.9745	0.9998
0.125	0.9199	0.9267	0.9362	0.9636	0.9997
0.150	0.8951	0.9037	0.9184	0.9512	0.9995
0.175	0.8682	0.8786	0.8966	0.9373	0.9993
0.200	0.8395	0.8518	0.8730	0.9219	0.9991
0.225	0.8130	0.8252	0.8477	0.9050	0.9989
0.250	0.7937	0.8055	0.8275	0.8865	0.9986
0.275	0.7778	0.7892	0.8108	0.8705	0.9982
0.300	0.7643	0.7751	0.7960	0.8561	0.9978
0.325	0.7528	0.7629	0.7828	0.8426	0.9973
0.350	0.7429	0.7522	0.7709	0.8296	0.9967
0.375	0.7345	0.7428	0.7600	0.8170	0.9961
0.400	0.7275	0.7347	0.7502	0.8047	0.9953
0.425	0.7217	0.7278	0.7414	0.7927	0.9945
0.450	0.7162	0.7217	0.7335	0.7810	0.9936
0.475	0.7112	0.7155	0.7262	0.7695	0.9926
0.500	0.7074	0.7104	0.7187	0.7584	0.9914
0.525	0.7048	0.7064	0.7122	0.7477	0.9900
0.550	0.7035	0.7035	0.7066	0.7366	0.9885
0.625	0.7071	0.7031	0.6975	0.7043	0.9866
0.650	0.7099	0.7046	0.6974	0.6951	0.9787
0.675	0.7145	0.7077	0.6975	0.6872	0.9748
0.700	0.7211	0.7129	0.6996	0.6810	0.9701
0.725	0.7302	0.7206	0.7044	0.6758	0.9643
0.750	0.7424	0.7315	0.7123	0.6726	0.9569
0.775	0.7584	0.7463	0.7244	0.6733	0.9475
0.800	0.7803	0.7670	0.7424	0.6794	0.9353
0.825	0.8141	0.7998	0.7710	0.6941	0.9191
0.850	0.8497	0.8376	0.8128	0.7253	0.8973
0.875	0.8836	0.8737	0.8533	0.7792	0.8674
0.900	0.9152	0.9076	0.8919	0.8330	0.8252
0.925	0.9439	0.9387	0.9276	0.8852	0.7625
0.950	0.9589	0.9659	0.9594	0.9338	0.6675
0.975	0.9388	0.9877	0.9652	0.9338	0.5405
1.000	1.0000	1.0000	1.0000	1.0000	0.6118
					1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =25.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9915	0.9917	0.9920	0.9923	0.9927
0.050	0.9761	0.9768	0.9776	0.9784	0.9794
0.075	0.9565	0.9578	0.9591	0.9605	0.9622
0.100	0.9336	0.9355	0.9374	0.9396	0.9421
0.125	0.9081	0.9106	0.9132	0.9161	0.9195
0.150	0.8804	0.8836	0.8868	0.8904	0.8947
0.175	0.8527	0.8560	0.8595	0.8635	0.8683
0.200	0.8337	0.8369	0.8402	0.8441	0.8487
0.225	0.8189	0.8220	0.8253	0.8290	0.8335
0.250	0.8070	0.8099	0.8130	0.8165	0.8209
0.275	0.7972	0.7999	0.8028	0.8061	0.8102
0.300	0.7891	0.7915	0.7942	0.7973	0.8011
0.325	0.7825	0.7847	0.7871	0.7898	0.7933
0.350	0.7772	0.7791	0.7812	0.7836	0.7867
0.375	0.7731	0.7747	0.7764	0.7785	0.7812
0.400	0.7701	0.7714	0.7728	0.7745	0.7767
0.425	0.7680	0.7690	0.7701	0.7714	0.7731
0.450	0.7657	0.7665	0.7674	0.7685	0.7701
0.475	0.7644	0.7648	0.7653	0.7660	0.7671
0.500	0.7639	0.7640	0.7641	0.7644	0.7649
0.525	0.7644	0.7641	0.7638	0.7637	0.7637
0.550	0.7657	0.7651	0.7645	0.7639	0.7633
0.575	0.7680	0.7670	0.7660	0.7650	0.7639
0.600	0.7701	0.7689	0.7678	0.7666	0.7652
0.625	0.7731	0.7716	0.7701	0.7685	0.7666
0.650	0.7772	0.7754	0.7735	0.7715	0.7691
0.675	0.7825	0.7804	0.7782	0.7757	0.7729
0.700	0.7891	0.7867	0.7842	0.7814	0.7780
0.725	0.7972	0.7945	0.7917	0.7885	0.7848
0.750	0.8070	0.8041	0.8010	0.7976	0.7934
0.775	0.8189	0.8159	0.8126	0.8089	0.8044
0.800	0.8337	0.8305	0.8271	0.8232	0.8184
0.825	0.8527	0.8494	0.8459	0.8418	0.8368
0.850	0.8804	0.8773	0.8738	0.8698	0.8647
0.875	0.9081	0.9056	0.9028	0.8996	0.8955
0.900	0.9336	0.9317	0.9296	0.9272	0.9241
0.925	0.9565	0.9552	0.9538	0.9521	0.9500
0.950	0.9761	0.9753	0.9745	0.9736	0.9724
0.975	0.9915	0.9912	0.9909	0.9905	0.9901
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=   5.00 DEGREES
GEOMETRY ...... D2/R =25.00   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	87.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9931	0.9938	0.9949	0.9971	1.0000
0.050	0.9806	0.9824	0.9854	0.9917	0.9999
0.075	0.9645	0.9676	0.9730	0.9844	0.9998
0.100	0.9454	0.9502	0.9581	0.9755	0.9997
0.125	0.9239	0.9303	0.9412	0.9651	0.9995
0.150	0.9003	0.9084	0.9222	0.9533	0.9994
0.175	0.8747	0.8846	0.9015	0.9400	0.9991
0.200	0.8549	0.8643	0.8814	0.9252	0.9989
0.225	0.8396	0.8490	0.8661	0.9111	0.9986
0.250	0.8268	0.8360	0.8530	0.8993	0.9982
0.275	0.8159	0.8247	0.8414	0.8884	0.9978
0.300	0.8064	0.8147	0.8309	0.8780	0.9973
0.325	0.7982	0.8059	0.8213	0.8680	0.9968
0.350	0.7911	0.7982	0.8125	0.8583	0.9963
0.375	0.7851	0.7914	0.8046	0.8488	0.9957
0.400	0.7800	0.7854	0.7973	0.8395	0.9950
0.425	0.7758	0.7804	0.7907	0.8303	0.9942
0.450	0.7724	0.7761	0.7849	0.8214	0.9934
0.475	0.7698	0.7720	0.7797	0.8127	0.9924
0.500	0.7660	0.7682	0.7745	0.8042	0.9912
0.525	0.7640	0.7652	0.7696	0.7961	0.9899
0.550	0.7629	0.7630	0.7654	0.7882	0.9883
0.575	0.7626	0.7617	0.7620	0.7796	0.9865
0.600	0.7636	0.7614	0.7596	0.7713	0.9842
0.625	0.7644	0.7615	0.7581	0.7636	0.9816
0.650	0.7662	0.7623	0.7570	0.7565	0.9784
0.675	0.7692	0.7642	0.7566	0.7503	0.9744
0.700	0.7737	0.7676	0.7577	0.7450	0.9695
0.725	0.7798	0.7727	0.7606	0.7399	0.9634
0.750	0.7879	0.7798	0.7655	0.7366	0.9556
0.775	0.7984	0.7894	0.7731	0.7359	0.9456
0.800	0.8120	0.8022	0.7841	0.7387	0.9324
0.825	0.8301	0.8196	0.7999	0.7464	0.9147
0.850	0.8577	0.8463	0.8238	0.7617	0.8906
0.875	0.8598	0.8806	0.8615	0.7920	0.8571
0.900	0.9198	0.9127	0.8980	0.8430	0.8085
0.925	0.9470	0.9421	0.9318	0.8923	0.7353
0.950	0.9706	0.9675	0.9618	0.9381	0.6345
0.975	0.9894	0.9884	0.9861	0.9768	0.6389
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ....... D2/R = 1.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.7341	0.7968	0.8434	0.8805	0.9118
0.050	0.3446	0.4750	0.5813	0.6717	0.7519
0.075	0.0278	0.1548	0.2915	0.4239	0.5515
0.100	0.	0.	0.0470	0.1769	0.3317
0.125	0.	0.	0.	0.0029	0.1222
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.0278	0.	0.	0.	0.
0.950	0.3446	0.1801	0.0044	0.	0.
0.975	0.7341	0.6414	0.4853	0.1817	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

287

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY .... D2/R = 1.00 AND H/R = 0,

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9392	0.9635	0.9843	0.9982	1.0000
0.050	0.8253	0.8931	0.9533	0.9946	1.0000
0.075	0.6758	0.7970	0.9094	0.9893	1.0000
0.100	0.5004	0.6780	0.8528	0.9824	0.9999
0.125	0.3109	0.5389	0.7828	0.9737	0.9999
0.150	0.1275	0.3842	0.6989	0.9628	0.9998
0.175	0.0010	0.2225	0.6005	0.9495	0.9998
0.200	0.	0.0726	0.4876	0.9333	0.9997
0.225	0.	0.	0.3615	0.9137	0.9996
0.250	0.	0.	0.2267	0.8901	0.9995
0.275	0.	0.	0.0943	0.8617	0.9994
0.300	0.	0.	0.0006	0.8275	0.9993
0.325	0.	0.	0.	0.7864	0.9991
0.350	0.	0.	0.	0.7369	0.9989
0.375	0.	0.	0.	0.6772	0.9987
0.400	0.	0.	0.	0.6054	0.9984
0.425	0.	0.	0.	0.5191	0.9981
0.450	0.	0.	0.	0.4163	0.9977
0.475	0.	0.	0.	0.2959	0.9972
0.500	0.	0.	0.	0.1613	0.9966
0.525	0.	0.	0.	0.0319	0.9958
0.550	0.	0.	0.	0.	0.9949
0.575	0.	0.	0.	0.	0.9937
0.600	0.	0.	0.	0.	0.9922
0.625	0.	0.	0.	0.	0.9903
0.650	0.	0.	0.	0.	0.9877
0.675	0.	0.	0.	0.	0.9843
0.700	0.	0.	0.	0.	0.9796
0.725	0.	0.	0.	0.	0.9729
0.750	0.	0.	0.	0.	0.9632
0.775	0.	0.	0.	0.	0.9486
0.800	0.	0.	0.	0.	0.9251
0.825	0.	0.	0.	0.	0.8853
0.850	0.	0.	0.	0.	0.8114
0.875	0.	0.	0.	0.	0.6584
0.900	0.	0.	0.	0.	0.3005
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9609	0.9649	0.9686	0.9724	0.9763
0.050	0.8924	0.9027	0.9125	0.9224	0.9331
0.075	0.8078	0.8250	0.8416	0.8586	0.8771
0.100	0.7130	0.7368	0.7602	0.7845	0.8111
0.125	0.6119	0.6416	0.6711	0.7023	0.7370
0.150	0.5076	0.5420	0.5768	0.6140	0.6562
0.175	0.4031	0.4408	0.4794	0.5215	0.5701
0.200	0.3014	0.3404	0.3813	0.4267	0.4802
0.225	0.2055	0.2438	0.2849	0.3317	0.3883
0.250	0.1192	0.1542	0.1935	0.2391	0.2963
0.275	0.0479	0.0763	0.1102	0.1521	0.2069
0.300	0.0023	0.0175	0.0415	0.0753	0.1236
0.325	0.	0.	0.0003	0.0167	0.0520
0.350	0.	0.	0.	0.	0.0035
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.0023	0.	0.	0.	0.
0.725	0.0479	0.0240	0.0054	0.	0.
0.750	0.1192	0.0865	0.0551	0.0252	0.0015
0.775	0.2055	0.1681	0.1299	0.0894	0.0460
0.800	0.3014	0.2621	0.2206	0.1743	0.1204
0.825	0.4031	0.3644	0.3224	0.2740	0.2147
0.850	0.5076	0.4715	0.4315	0.3842	0.3241
0.875	0.6119	0.5802	0.5445	0.5013	0.4446
0.900	0.7130	0.6873	0.6577	0.6212	0.5720
0.925	0.8078	0.7890	0.7671	0.7395	0.7014
0.950	0.8924	0.8810	0.8675	0.8502	0.8257
0.975	0.9609	0.9565	0.9511	0.9441	0.9340
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A   RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ...... D2/R = 5.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9808	0.9859	0.9922	0.9987	1.0000
0.050	0.9451	0.9594	0.9770	0.9960	1.0000
0.075	0.8983	0.9240	0.9564	0.9923	1.0000
0.100	0.8422	0.8807	0.9305	0.9874	0.9999
0.125	0.7782	0.8303	0.8994	0.9814	0.9999
0.150	0.7072	0.7731	0.8631	0.9741	0.9998
0.175	0.6300	0.7094	0.8214	0.9654	0.9998
0.200	0.5478	0.6397	0.7742	0.9550	0.9997
0.225	0.4616	0.5645	0.7212	0.9428	0.9996
0.250	0.3728	0.4845	0.6623	0.9285	0.9996
0.275	0.2835	0.4006	0.5974	0.9119	0.9994
0.300	0.1960	0.3142	0.5266	0.8924	0.9993
0.325	0.1142	0.2274	0.4502	0.8697	0.9992
0.350	0.0442	0.1432	0.3686	0.8433	0.9990
0.375	0.0005	0.0671	0.2833	0.8125	0.9988
0.400	0.	0.0098	0.1962	0.7766	0.9985
0.425	0.	0.	0.1115	0.7347	0.9982
0.450	0.	0.	0.0373	0.6859	0.9978
0.475	0.	0.	0.	0.6290	0.9974
0.500	0.	0.	0.	0.5627	0.9969
0.525	0.	0.	0.	0.4858	0.9962
0.550	0.	0.	0.	0.3972	0.9954
0.575	0.	0.	0.	0.2966	0.9944
0.600	0.	0.	0.	0.1860	0.9931
0.625	0.	0.	0.	0.0741	0.9914
0.650	0.	0.	0.	0.	0.9893
0.675	0.	0.	0.	0.	0.9865
0.700	0.	0.	0.	0.	0.9827
0.725	0.	0.	0.	0.	0.9775
0.750	0.	0.	0.	0.	0.9702
0.775	0.0051	0.	0.	0.	0.9594
0.800	0.0564	0.	0.	0.	0.9430
0.825	0.1378	0.0386	0.	0.	0.9168
0.850	0.2413	0.1189	0.	0.	0.8718
0.875	0.3628	0.2301	0.0166	0.	0.7877
0.900	0.4980	0.3684	0.1027	0.	0.6114
0.925	0.6417	0.5297	0.2516	0.	0.2041
0.950	0.7860	0.7062	0.4690	0.	0.
0.975	0.9170	0.8805	0.7501	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ....... D2/R =10.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9792	0.9809	0.9825	0.9842	0.9861
0.050	0.9423	0.9467	0.9511	0.9556	0.9606
0.075	0.8958	0.9034	0.9109	0.9188	0.9276
0.100	0.8425	0.8534	0.8642	0.8757	0.8886
0.125	0.7840	0.7981	0.8122	0.8273	0.8445
0.150	0.7217	0.7388	0.7560	0.7746	0.7959
0.175	0.6566	0.6753	0.6964	0.7182	0.7435
0.200	0.5896	0.6115	0.6341	0.6588	0.6877
0.225	0.5215	0.5452	0.5698	0.5970	0.6290
0.250	0.4532	0.4781	0.5042	0.5333	0.5680
0.275	0.3855	0.4109	0.4379	0.4684	0.5051
0.300	0.3191	0.3445	0.3718	0.4029	0.4410
0.325	0.2549	0.2797	0.3066	0.3377	0.3762
0.350	0.1940	0.2174	0.2432	0.2734	0.3115
0.375	0.1373	0.1587	0.1826	0.2112	0.2479
0.400	0.0863	0.1049	0.1262	0.1522	0.1863
0.425	0.0430	0.0578	0.0755	0.0979	0.1283
0.450	0.0107	0.0204	0.0332	0.0506	0.0757
0.475	0.	0.	0.0040	0.0140	0.0316
0.500	0.	0.	0.	0.	0.0023
0.525	0.	0.	0.	0.	0.
0.550	0.0107	0.0035	0.	0.	0.
0.575	0.0430	0.0300	0.0183	0.0079	0.0004
0.600	0.0863	0.0692	0.0528	0.0364	0.0199
0.625	0.1373	0.1171	0.0970	0.0761	0.0535
0.650	0.1940	0.1714	0.1485	0.1240	0.0964
0.675	0.2549	0.2307	0.2058	0.1785	0.1470
0.700	0.3191	0.2939	0.2676	0.2384	0.2039
0.725	0.3855	0.3600	0.3331	0.3027	0.2663
0.750	0.4532	0.4281	0.4013	0.3706	0.3332
0.775	0.5215	0.4974	0.4713	0.4413	0.4039
0.800	0.5896	0.5671	0.5424	0.5137	0.4776
0.825	0.6566	0.6362	0.6137	0.5871	0.5533
0.850	0.7217	0.7039	0.6841	0.6605	0.6300
0.875	0.7840	0.7692	0.7526	0.7326	0.7064
0.900	0.8425	0.8310	0.8179	0.8020	0.7810
0.925	0.8958	0.8877	0.8784	0.8671	0.8518
0.950	0.9423	0.9375	0.9320	0.9252	0.9160
0.975	0.9792	0.9774	0.9753	0.9727	0.9691
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ....... D2/R =10.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9882	0.9909	0.9945	0.9989	1.0000
0.050	0.9665	0.9740	0.9840	0.9967	1.0000
0.075	0.9381	0.9515	0.9699	0.9936	1.0000
0.100	0.9041	0.9243	0.9523	0.9897	0.9999
0.125	0.8653	0.8927	0.9315	0.9849	0.9999
0.150	0.8221	0.8570	0.9075	0.9792	0.9998
0.175	0.7749	0.8173	0.8802	0.9724	0.9998
0.200	0.7241	0.7740	0.8496	0.9644	0.9997
0.225	0.6699	0.7270	0.8155	0.9551	0.9997
0.250	0.6129	0.6766	0.7780	0.9444	0.9996
0.275	0.5533	0.6229	0.7368	0.9321	0.9995
0.300	0.4916	0.5663	0.6919	0.9179	0.9993
0.325	0.4283	0.5069	0.6434	0.9017	0.9992
0.350	0.3640	0.4452	0.5910	0.8831	0.9990
0.375	0.2995	0.3816	0.5350	0.8617	0.9988
0.400	0.2357	0.3168	0.4753	0.8373	0.9986
0.425	0.1738	0.2517	0.4124	0.8094	0.9983
0.450	0.1155	0.1875	0.3465	0.7773	0.9980
0.475	0.0631	0.1260	0.2785	0.7406	0.9975
0.500	0.0207	0.0697	0.2094	0.6985	0.9970
0.525	0.	0.0233	0.1413	0.6502	0.9964
0.550	0.	0.	0.0774	0.5950	0.9957
0.575	0.	0.	0.0237	0.5318	0.9948
0.600	0.0045	0.	0.	0.4598	0.9936
0.625	0.0295	0.0040	0.	0.3785	0.9921
0.650	0.0640	0.0260	0.	0.2877	0.9903
0.675	0.1084	0.0592	0.0048	0.1894	0.9878
0.700	0.1603	0.1017	0.0250	0.0893	0.9845
0.725	0.2190	0.1526	0.0559	0.0077	0.9801
0.750	0.2836	0.2112	0.0970	0.	0.9740
0.775	0.3534	0.2772	0.1482	0.	0.9653
0.800	0.4277	0.3501	0.2099	0.0001	0.9523
0.825	0.5057	0.4293	0.2827	0.0097	0.9323
0.850	0.5862	0.5141	0.3669	0.0312	0.8994
0.875	0.6682	0.6033	0.4628	0.0691	0.8416
0.900	0.7498	0.6952	0.5697	0.1318	0.7295
0.925	0.8287	0.7873	0.6859	0.2344	0.4851
0.950	0.9018	0.8755	0.8071	0.4026	0.
0.975	0.9634	0.9526	0.9227	0.6735	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9922	0.9926	0.9931	0.9936	0.9942
0.050	0.9770	0.9793	0.9806	0.9820	0.9836
0.075	0.9600	0.9623	0.9646	0.9670	0.9698
0.100	0.9390	0.9423	0.9457	0.9493	0.9535
0.125	0.9220	0.9255	0.9290	0.9330	0.9377
0.150	0.9100	0.9136	0.9173	0.9215	0.9264
0.175	0.9003	0.9039	0.9077	0.9120	0.9171
0.200	0.8921	0.8957	0.8994	0.9037	0.9089
0.225	0.8851	0.8886	0.8923	0.8965	0.9017
0.250	0.8790	0.8824	0.8859	0.8900	0.8951
0.275	0.8736	0.8769	0.8803	0.8843	0.8892
0.300	0.8693	0.8722	0.8754	0.8791	0.8837
0.325	0.8655	0.8681	0.8710	0.8744	0.8788
0.350	0.8623	0.8645	0.8671	0.8702	0.8743
0.375	0.8596	0.8615	0.8638	0.8665	0.8702
0.400	0.8574	0.8590	0.8609	0.8633	0.8665
0.425	0.8558	0.8570	0.8585	0.8605	0.8632
0.450	0.8546	0.8555	0.8566	0.8581	0.8604
0.475	0.8539	0.8544	0.8551	0.8562	0.8579
0.500	0.8536	0.8537	0.8541	0.8547	0.8559
0.525	0.8539	0.8536	0.8535	0.8537	0.8542
0.550	0.8546	0.8539	0.8534	0.8531	0.8531
0.575	0.8558	0.8547	0.8538	0.8530	0.8524
0.600	0.8574	0.8560	0.8546	0.8533	0.8522
0.625	0.8596	0.8578	0.8560	0.8543	0.8525
0.650	0.8623	0.8601	0.8580	0.8558	0.8534
0.675	0.8655	0.8630	0.8605	0.8579	0.8549
0.700	0.8693	0.8666	0.8637	0.8607	0.8572
0.725	0.8736	0.8708	0.8676	0.8642	0.8602
0.750	0.8790	0.8755	0.8723	0.8686	0.8640
0.775	0.8851	0.8816	0.8780	0.8739	0.8690
0.800	0.8921	0.8865	0.8847	0.8804	0.8751
0.825	0.9003	0.8966	0.8927	0.8882	0.8827
0.850	0.9100	0.9064	0.9024	0.8979	0.8923
0.875	0.9220	0.9185	0.9146	0.9102	0.9046
0.900	0.9390	0.9355	0.9316	0.9272	0.9216
0.925	0.9600	0.9576	0.9550	0.9517	0.9475
0.950	0.9780	0.9767	0.9752	0.9733	0.9709
0.975	0.9922	0.9917	0.9911	0.9904	0.9895
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

♦♦♦ RELATIVE ENERGY FLUX DENSITY IN THE ♦♦♦
♦♦♦ PENUMBRA OF A RECTANGULAR CYLINDER ♦♦♦

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 0,

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ♦♦♦	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9949	0.9958	0.9972	0.9993	1.0000
0.050	0.9855	0.9881	0.9919	0.9978	1.0000
0.075	0.9733	0.9779	0.9849	0.9958	1.0000
0.100	0.9587	0.9657	0.9763	0.9934	0.9999
0.125	0.9437	0.9522	0.9663	0.9904	0.9999
0.150	0.9329	0.9421	0.9575	0.9869	0.9999
0.175	0.9238	0.9336	0.9502	0.9835	0.9998
0.200	0.9155	0.9260	0.9436	0.9804	0.9998
0.225	0.9086	0.9190	0.9374	0.9774	0.9997
0.250	0.9020	0.9124	0.9313	0.9744	0.9996
0.275	0.8959	0.9062	0.9255	0.9712	0.9996
0.300	0.8902	0.9004	0.9197	0.9679	0.9995
0.325	0.8849	0.8948	0.9141	0.9645	0.9994
0.350	0.8800	0.8895	0.9065	0.9608	0.9993
0.375	0.8755	0.8844	0.9030	0.9569	0.9992
0.400	0.8713	0.8796	0.8975	0.9528	0.9991
0.425	0.8675	0.8750	0.8921	0.9484	0.9990
0.450	0.8640	0.8707	0.8867	0.9437	0.9989
0.475	0.8609	0.8667	0.8814	0.9387	0.9987
0.500	0.8581	0.8629	0.8763	0.9333	0.9985
0.525	0.8557	0.8595	0.8712	0.9275	0.9982
0.550	0.8538	0.8564	0.8663	0.9212	0.9980
0.575	0.8523	0.8537	0.8615	0.9145	0.9976
0.600	0.8512	0.8514	0.8570	0.9073	0.9972
0.625	0.8507	0.8496	0.8528	0.8996	0.9967
0.650	0.8508	0.8483	0.8490	0.8913	0.9961
0.675	0.8515	0.8477	0.8456	0.8824	0.9953
0.700	0.8529	0.8477	0.8428	0.8730	0.9943
0.725	0.8552	0.8486	0.8407	0.8630	0.9930
0.750	0.8583	0.8504	0.8395	0.8526	0.9913
0.775	0.8626	0.8534	0.8395	0.8418	0.9890
0.800	0.8681	0.8579	0.8410	0.8310	0.9858
0.825	0.8753	0.8641	0.8445	0.8207	0.9813
0.850	0.8846	0.8726	0.8506	0.8117	0.9747
0.875	0.8966	0.8844	0.8604	0.8055	0.9644
0.900	0.9139	0.9014	0.8762	0.8049	0.9477
0.925	0.9413	0.9305	0.9051	0.8159	0.9185
0.950	0.9673	0.9609	0.9457	0.8594	0.8635
0.975	0.9881	0.9857	0.9796	0.9431	0.7612
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ...... D2/R = 25.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9924	0.9929	0.9933	0.9938	0.9944
0.050	0.9787	0.9799	0.9812	0.9825	0.9840
0.075	0.9612	0.9634	0.9656	0.9680	0.9707
0.100	0.9447	0.9473	0.9499	0.9528	0.9562
0.125	0.9338	0.9366	0.9394	0.9426	0.9463
0.150	0.9252	0.9280	0.9310	0.9343	0.9383
0.175	0.9180	0.9209	0.9239	0.9273	0.9314
0.200	0.9119	0.9147	0.9177	0.9211	0.9252
0.225	0.9066	0.9094	0.9123	0.9156	0.9197
0.250	0.9021	0.9047	0.9075	0.9107	0.9147
0.275	0.8981	0.9006	0.9032	0.9063	0.9101
0.300	0.8947	0.8969	0.8994	0.9023	0.9060
0.325	0.8918	0.8938	0.8961	0.8987	0.9022
0.350	0.8893	0.8911	0.8931	0.8955	0.8987
0.375	0.8872	0.8858	0.8905	0.8927	0.8955
0.400	0.8856	0.8868	0.8883	0.8902	0.8927
0.425	0.8843	0.8853	0.8865	0.8880	0.8902
0.450	0.8834	0.8841	0.8850	0.8862	0.8879
0.475	0.8829	0.8832	0.8838	0.8847	0.8860
0.500	0.8827	0.8826	0.8830	0.8835	0.8844
0.525	0.8829	0.8326	0.8826	0.8827	0.8832
0.550	0.8834	0.8829	0.8825	0.8822	0.8822
0.575	0.8843	0.8835	0.8827	0.8821	0.8817
0.600	0.8856	0.8844	0.8834	0.8824	0.8815
0.625	0.8872	0.8858	0.8845	0.8831	0.8817
0.650	0.8893	0.8876	0.8859	0.8842	0.8824
0.675	0.8918	0.8898	0.8879	0.8858	0.8835
0.700	0.8947	0.8925	0.8903	0.8879	0.8852
0.725	0.8981	0.8957	0.8933	0.8906	0.8875
0.750	0.9021	0.8995	0.8968	0.8939	0.8904
0.775	0.9066	0.9039	0.9011	0.8979	0.8940
0.800	0.9119	0.9091	0.9061	0.9027	0.8986
0.825	0.9180	0.9152	0.9121	0.9086	0.9043
0.850	0.9252	0.9223	0.9192	0.9157	0.9112
0.875	0.9338	0.9310	0.9280	0.9245	0.9200
0.900	0.9447	0.9421	0.9392	0.9358	0.9316
0.925	0.9612	0.9589	0.9564	0.9533	0.9492
0.950	0.9787	0.9774	0.9759	0.9742	0.9718
0.975	0.9924	0.9919	0.9914	0.9907	0.9899
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

298

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9950	0.9959	0.9972	0.9993	1.0000
0.050	0.9859	0.9884	0.9921	0.9978	1.0000
0.075	0.9740	0.9785	0.9852	0.9959	1.0000
0.100	0.9606	0.9668	0.9768	0.9935	0.9999
0.125	0.9511	0.9580	0.9693	0.9905	0.9999
0.150	0.9434	0.9509	0.9634	0.9879	0.9999
0.175	0.9367	0.9446	0.9580	0.9855	0.9998
0.200	0.9307	0.9388	0.9530	0.9832	0.9998
0.225	0.9252	0.9334	0.9481	0.9808	0.9997
0.250	0.9201	0.9284	0.9435	0.9784	0.9997
0.275	0.9154	0.9236	0.9389	0.9759	0.9996
0.300	0.9111	0.9191	0.9344	0.9733	0.9996
0.325	0.9070	0.9148	0.9300	0.9705	0.9995
0.350	0.9032	0.9106	0.9256	0.9676	0.9994
0.375	0.8997	0.9067	0.9213	0.9645	0.9994
0.400	0.8964	0.9029	0.9170	0.9612	0.9993
0.425	0.8935	0.8994	0.9126	0.9577	0.9992
0.450	0.8908	0.8960	0.9086	0.9539	0.9990
0.475	0.8883	0.8929	0.9045	0.9499	0.9989
0.500	0.8862	0.8900	0.9004	0.9456	0.9987
0.525	0.8843	0.8873	0.8964	0.9410	0.9985
0.550	0.8826	0.8849	0.8926	0.9360	0.9983
0.575	0.8816	0.8827	0.8889	0.9307	0.9980
0.600	0.8808	0.8809	0.8853	0.9250	0.9976
0.625	0.8804	0.8795	0.8820	0.9189	0.9972
0.650	0.8804	0.8785	0.8790	0.9123	0.9967
0.675	0.8809	0.8779	0.8763	0.9053	0.9960
0.700	0.8819	0.8779	0.8741	0.8979	0.9952
0.725	0.8836	0.8785	0.8724	0.8900	0.9941
0.750	0.8859	0.8798	0.8714	0.8818	0.9927
0.775	0.8891	0.8820	0.8713	0.8734	0.9908
0.800	0.8932	0.8852	0.8722	0.8649	0.9882
0.825	0.8985	0.8897	0.8746	0.8567	0.9846
0.850	0.9052	0.8959	0.8789	0.8495	0.9791
0.875	0.9139	0.9043	0.8858	0.8442	0.9708
0.900	0.9256	0.9159	0.8966	0.8429	0.9573
0.925	0.9432	0.9335	0.9140	0.8494	0.9340
0.950	0.9684	0.9623	0.9477	0.8737	0.8905
0.975	0.9895	0.9862	0.9806	0.9456	0.8100
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8410	0.8707	0.8949	0.9158	0.9348
0.050	0.5861	0.6550	0.7137	0.7664	0.8160
0.075	0.0221	0.2784	0.4911	0.5828	0.6648
0.100	0.	0.	0.0556	0.2668	0.4760
0.125	0.	0.	0.	0.	0.1659
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.0221	0.	0.	0.	0.
0.950	0.5861	0.4999	0.	0.	0.
0.975	0.8410	0.8017	0.7444	0.6483	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9527	0.9701	0.9863	0.9983	1.0000
0.050	0.8644	0.9126	0.9593	0.9948	1.0000
0.075	0.7482	0.8346	0.9214	0.9899	1.0000
0.100	0.6103	0.7382	0.8729	0.9834	0.9999
0.125	0.4175	0.6251	0.8133	0.9752	0.9999
0.150	0.1640	0.4821	0.7422	0.9651	0.9998
0.175	0.	0.2790	0.6590	0.9527	0.9998
0.200	0.	0.0829	0.5635	0.9378	0.9997
0.225	0.	C.	0.4253	0.9198	0.9996
0.250	0.	0.	0.2668	0.8982	0.9995
0.275	0.	0.	0.1060	0.8724	0.9994
0.300	0.	0.	0.	0.8416	0.9993
0.325	0.	0.	0.	0.8046	0.9991
0.350	0.	0.	0.	0.7605	0.9989
0.375	0.	0.	0.	0.7076	0.9987
0.400	0.	0.	0.	0.6443	0.9984
0.425	0.	0.	0.	0.5624	0.9981
0.450	0.	0.	0.	0.4548	0.9977
0.475	0.	0.	0.	0.3252	0.9972
0.500	0.	0.	0.	0.1760	0.9966
0.525	0.	0.	0.	0.0300	0.9959
0.550	0.	0.	0.	0.	0.9950
0.575	0.	0.	0.	0.	0.9938
0.600	0.	0.	0.	0.	0.9924
0.625	0.	0.	0.	0.	0.9905
0.650	0.	0.	0.	0.	0.9880
0.675	0.	0.	0.	0.	0.9847
0.700	0.	0.	0.	0.	0.9801
0.725	0.	0.	0.	0.	0.9737
0.750	0.	0.	0.	0.	0.9645
0.775	0.	0.	0.	0.	0.9506
0.800	0.	0.	0.	0.	0.9285
0.825	0.	0.	0.	0.	0.8913
0.850	0.	0.	0.	0.	0.8235
0.875	0.	0.	0.	0.	0.6847
0.900	0.	0.	0.	0.	0.3194
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ...... D2/R = 5.00  AND H/R = 0,5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20,00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9645	0.9680	0.9713	0.9746	0.9781
0.050	0.9021	0.9111	0.9198	0.9286	0.9381
0.075	0.8248	0.8400	0.8547	0.8698	0.8863
0.100	0.7378	0.7589	0.7797	0.8014	0.8253
0.125	0.6444	0.6709	0.6974	0.7253	0.7566
0.150	0.5474	0.5784	0.6098	0.6434	0.6815
0.175	0.4381	0.4795	0.5188	0.5571	0.6013
0.200	0.3205	0.3644	0.4099	0.4598	0.5172
0.225	0.2097	0.2532	0.2997	0.3521	0.4145
0.250	0.1114	0.1509	0.1950	0.2467	0.3107
0.275	0.0338	0.0640	0.1013	0.1481	0.2095
0.300	0.	0.0053	0.0275	0.0631	0.1161
0.325	0.	0.	0.	0.0049	0.0385
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.0338	0.0104	0.	0.	0.
0.750	0.1114	0.0750	0.0409	0.0111	0.
0.775	0.2097	0.1671	0.1236	0.0779	0.0308
0.800	0.3205	0.2759	0.2283	0.1750	0.1129
0.825	0.4381	0.3950	0.3475	0.2920	0.2232
0.850	0.5474	0.5148	0.4752	0.4224	0.3538
0.875	0.6444	0.6161	0.5843	0.5457	0.4951
0.900	0.7378	0.7150	0.6889	0.6568	0.6136
0.925	0.8248	0.8083	0.7891	0.7651	0.7320
0.950	0.9021	0.8921	0.8804	0.8655	0.8445
0.975	0.9645	0.9606	0.9560	0.9500	0.9415
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9821	0.9868	0.9925	0.9987	1.0000
0.050	0.9489	0.9619	0.9782	0.9961	1.0000
0.075	0.9054	0.9288	0.9586	0.9925	1.0000
0.100	0.8533	0.8883	0.9341	0.9878	0.9999
0.125	0.7938	0.8412	0.9047	0.9819	0.9999
0.150	0.7277	0.7677	0.8705	0.9748	0.9998
0.175	0.6558	0.7283	0.8313	0.9664	0.9998
0.200	0.5790	0.6631	0.7868	0.9564	0.9997
0.225	0.4939	0.5928	0.7371	0.9447	0.9996
0.250	0.3952	0.5155	0.6818	0.9309	0.9996
0.275	0.2950	0.4234	0.6210	0.9149	0.9994
0.300	0.1948	0.3276	0.5546	0.8963	0.9993
0.325	0.1056	0.2309	0.4730	0.8746	0.9992
0.350	0.0307	0.1374	0.3845	0.8494	0.9990
0.375	0.	0.0546	0.2909	0.8202	0.9988
0.400	0.	0.0007	0.1951	0.7861	0.9985
0.425	0.	0.	0.1023	0.7465	0.9982
0.450	0.	0.	0.0242	0.7005	0.9979
0.475	0.	0.	0.	0.6469	0.9974
0.500	0.	0.	0.	0.5826	0.9969
0.525	0.	0.	0.	0.5024	0.9962
0.550	0.	0.	0.	0.4087	0.9954
0.575	0.	0.	0.	0.3011	0.9944
0.600	0.	0.	0.	0.1816	0.9931
0.625	0.	0.	0.	0.0616	0.9915
0.650	0.	0.	0.	0.	0.9894
0.675	0.	0.	0.	0.	0.9867
0.700	0.	0.	0.	0.	0.9830
0.725	0.	0.	0.	0.	0.9779
0.750	0.	0.	0.	0.	0.9707
0.775	0.	0.	0.	0.	0.9602
0.800	0.0412	0.	0.	0.	0.9444
0.825	0.1332	0.0216	0.	0.	0.9190
0.850	0.2570	0.1112	0.	0.	0.8759
0.875	0.4052	0.2473	0.0004	0.	0.7958
0.900	0.5487	0.4228	0.0902	0.	0.6252
0.925	0.6807	0.5849	0.2922	0.	0.1980
0.950	0.8108	0.7443	0.5514	0.	0.
0.975	0.9272	0.8975	0.7971	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9800	0.9815	0.9832	0.9848	0.9865
0.050	0.9444	0.9486	0.9528	0.9571	0.9619
0.075	0.8996	0.9068	0.9140	0.9215	0.9300
0.100	0.8482	0.8585	0.8689	0.8798	0.8922
0.125	0.7917	0.8051	0.8187	0.8331	0.8495
0.150	0.7314	0.7477	0.7643	0.7821	0.8025
0.175	0.6684	0.6872	0.7065	0.7275	0.7517
0.200	0.6033	0.6244	0.6461	0.6699	0.6977
0.225	0.5372	0.5600	0.5837	0.6099	0.6408
0.250	0.4675	0.4938	0.5198	0.5480	0.5815
0.275	0.3944	0.4215	0.4501	0.4822	0.5204
0.300	0.3227	0.3499	0.3789	0.4120	0.4523
0.325	0.2535	0.2800	0.3087	0.3419	0.3829
0.350	0.1881	0.2131	0.2406	0.2726	0.3135
0.375	0.1278	0.1504	0.1758	0.2061	0.2452
0.400	0.0745	0.0937	0.1159	0.1432	0.1794
0.425	0.0308	0.0454	0.0632	0.0862	0.1179
0.450	0.0023	0.0098	0.0213	0.0380	0.0632
0.475	0.	0.	0.	0.0046	0.0196
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.0023	0.	0.	0.	0.
0.575	0.0308	0.0186	0.0083	0.0009	0.
0.600	0.0745	0.0571	0.0407	0.0248	0.0098
0.625	0.1278	0.1067	0.0858	0.0643	0.0415
0.650	0.1881	0.1642	0.1399	0.1142	0.0854
0.675	0.2535	0.2277	0.2011	0.1720	0.1386
0.700	0.3227	0.2958	0.2676	0.2363	0.1994
0.725	0.3944	0.3672	0.3384	0.3059	0.2667
0.750	0.4675	0.4409	0.4123	0.3796	0.3394
0.775	0.5372	0.5139	0.4882	0.4563	0.4164
0.800	0.6033	0.5817	0.5580	0.5303	0.4954
0.825	0.6684	0.6488	0.6272	0.6017	0.5692
0.850	0.7314	0.7144	0.6954	0.6728	0.6436
0.875	0.7917	0.7776	0.7617	0.7426	0.7176
0.900	0.8482	0.8372	0.8247	0.8096	0.7896
0.925	0.8996	0.8919	0.8831	0.8723	0.8578
0.950	0.9444	0.9399	0.9347	0.9282	0.9195
0.975	0.9800	0.9783	0.9763	0.9738	0.9704
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R =10.00  AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9886	0.9912	0.9946	0.9989	1.0000
0.050	0.9676	0.9747	0.9844	0.9967	1.0000
0.075	0.9400	0.9529	0.9706	0.9937	1.0000
0.100	0.9071	0.9264	0.9535	0.9899	0.9999
0.125	0.8695	0.8958	0.9333	0.9851	0.9999
0.150	0.8276	0.8611	0.9099	0.9795	0.9998
0.175	0.7819	0.8227	0.8833	0.9728	0.9998
0.200	0.7326	0.7806	0.8535	0.9650	0.9997
0.225	0.6801	0.7351	0.8204	0.9559	0.9997
0.250	0.6248	0.6862	0.7839	0.9454	0.9996
0.275	0.5669	0.6341	0.7440	0.9333	0.9995
0.300	0.5055	0.5791	0.7005	0.9194	0.9993
0.325	0.4380	0.5205	0.6533	0.9036	0.9992
0.350	0.3693	0.4550	0.6026	0.8854	0.9990
0.375	0.3002	0.3872	0.5480	0.8646	0.9988
0.400	0.2319	0.3180	0.4352	0.8408	0.9986
0.425	0.1659	0.2485	0.4166	0.8136	0.9983
0.450	0.1043	0.1800	0.3486	0.7824	0.9980
0.475	0.0502	0.1149	0.2761	0.7467	0.9976
0.500	0.0097	0.0566	0.2026	0.7059	0.9971
0.525	0.	0.0117	0.1304	0.6592	0.9965
0.550	0.	0.	0.0638	0.6057	0.9957
0.575	0.	0.	0.0116	0.5403	0.9948
0.600	0.	0.	0.	0.4652	0.9936
0.625	0.0176	0.	0.	0.3796	0.9922
0.650	0.0522	0.0155	0.	0.2836	0.9903
0.675	0.0960	0.0476	0.	0.1792	0.9879
0.700	0.1510	0.0913	0.0149	0.0743	0.9847
0.725	0.2160	0.1450	0.0446	0.	0.9803
0.750	0.2860	0.2081	0.0867	0.	0.9743
0.775	0.3522	0.2799	0.1409	0.	0.9657
0.800	0.4435	0.3599	0.2078	0.	0.9529
0.825	0.5233	0.4473	0.2880	0.0028	0.9333
0.850	0.6018	0.5325	0.3821	0.0208	0.9011
0.875	0.6812	0.6192	0.4847	0.0576	0.8448
0.900	0.7600	0.7082	0.5890	0.1244	0.7362
0.925	0.8360	0.7968	0.7013	0.2425	0.4877
0.950	0.9061	0.8814	0.8174	0.4393	0.
0.975	0.9551	0.9550	0.9272	0.7013	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY....... D2/R =00.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9922	0.9926	0.9931	0.9936	0.9942
0.050	0.9781	0.9793	0.9806	0.9820	0.9836
0.075	0.9600	0.9623	0.9646	0.9670	0.9698
0.100	0.9390	0.9424	0.9457	0.9494	0.9535
0.125	0.9205	0.9240	0.9277	0.9318	0.9367
0.150	0.9079	0.9115	0.9154	0.9197	0.9248
0.175	0.8978	0.9015	0.9054	0.9098	0.9151
0.200	0.8895	0.8931	0.8970	0.9014	0.9067
0.225	0.8824	0.8860	0.8897	0.8940	0.8993
0.250	0.8764	0.8798	0.8834	0.8876	0.8927
0.275	0.8713	0.8745	0.8779	0.8818	0.8868
0.300	0.8670	0.8699	0.8730	0.8767	0.8814
0.325	0.8634	0.8659	0.8688	0.8722	0.8766
0.350	0.8604	0.8626	0.8652	0.8682	0.8722
0.375	0.8580	0.8599	0.8621	0.8648	0.8683
0.400	0.8561	0.8576	0.8595	0.8618	0.8649
0.425	0.8547	0.8559	0.8573	0.8592	0.8619
0.450	0.8539	0.8547	0.8557	0.8571	0.8593
0.475	0.8532	0.8537	0.8544	0.8555	0.8571
0.500	0.8529	0.8530	0.8533	0.8540	0.8552
0.525	0.8532	0.8529	0.8528	0.8529	0.8535
0.550	0.8539	0.8532	0.8527	0.8523	0.8523
0.575	0.8547	0.8538	0.8529	0.8522	0.8516
0.600	0.8561	0.8547	0.8535	0.8523	0.8512
0.625	0.8580	0.8562	0.8545	0.8529	0.8512
0.650	0.8604	0.8583	0.8562	0.8541	0.8518
0.675	0.8634	0.8609	0.8585	0.8559	0.8530
0.700	0.8670	0.8642	0.8614	0.8584	0.8549
0.725	0.8713	0.8683	0.8651	0.8617	0.8577
0.750	0.8764	0.8731	0.8697	0.8659	0.8614
0.775	0.8824	0.8789	0.8752	0.8711	0.8661
0.800	0.8895	0.8855	0.8819	0.8775	0.8722
0.825	0.8978	0.8941	0.8901	0.8855	0.8799
0.850	0.9079	0.9041	0.9001	0.8954	0.8896
0.875	0.9205	0.9166	0.9129	0.9082	0.9024
0.900	0.9390	0.9355	0.9316	0.9269	0.9209
0.925	0.9600	0.9577	0.9550	0.9518	0.9476
0.950	0.9781	0.9767	0.9752	0.9733	0.9709
0.975	0.9922	0.9917	0.9911	0.9904	0.9895
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R =00.00  AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9949	0.9958	0.9972	0.9993	1.0000
0.050	0.9855	0.9881	0.9919	0.9978	1.0000
0.075	0.9733	0.9779	0.9849	0.9958	1.0000
0.100	0.9587	0.9657	0.9763	0.9934	0.9999
0.125	0.9429	0.9518	0.9663	0.9904	0.9999
0.150	0.9314	0.9409	0.9567	0.9869	0.9999
0.175	0.9220	0.9320	0.9491	0.9832	0.9998
0.200	0.9137	0.9242	0.9423	0.9800	0.9998
0.225	0.9064	0.9170	0.9358	0.9769	0.9997
0.250	0.8997	0.9103	0.9297	0.9737	0.9996
0.275	0.8936	0.9041	0.9237	0.9705	0.9996
0.300	0.8879	0.8982	0.9179	0.9671	0.9995
0.325	0.8826	0.8927	0.9122	0.9636	0.9994
0.350	0.8780	0.8875	0.9066	0.9598	0.9993
0.375	0.8736	0.8825	0.9011	0.9559	0.9992
0.400	0.8696	0.8778	0.8957	0.9517	0.9991
0.425	0.8660	0.8734	0.8904	0.9473	0.9990
0.450	0.8627	0.8693	0.8851	0.9425	0.9988
0.475	0.8599	0.8655	0.8800	0.9374	0.9986
0.500	0.8574	0.8620	0.8750	0.9320	0.9984
0.525	0.8550	0.8589	0.8701	0.9262	0.9982
0.550	0.8531	0.8557	0.8654	0.9200	0.9979
0.575	0.8515	0.8530	0.8609	0.9133	0.9975
0.600	0.8505	0.8507	0.8563	0.9061	0.9971
0.625	0.8497	0.8488	0.8521	0.8985	0.9966
0.650	0.8494	0.8472	0.8482	0.8903	0.9960
0.675	0.8497	0.8461	0.8446	0.8816	0.9952
0.700	0.8508	0.8458	0.8414	0.8724	0.9941
0.725	0.8527	0.8463	0.8388	0.8624	0.9928
0.750	0.8556	0.8478	0.8372	0.8518	0.9911
0.775	0.8597	0.8505	0.8368	0.8409	0.9887
0.800	0.8651	0.8548	0.8379	0.8297	0.9855
0.825	0.8723	0.8609	0.8411	0.8185	0.9809
0.850	0.8817	0.8695	0.8470	0.8066	0.9742
0.875	0.8944	0.8816	0.8570	0.8015	0.9638
0.900	0.9127	0.8997	0.8734	0.8002	0.9470
0.925	0.9414	0.9306	0.9052	0.8114	0.9178
0.950	0.9673	0.9610	0.9458	0.8595	0.8629
0.975	0.9882	0.9857	0.9798	0.9432	0.7569
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A   RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ...... D2/R =25.00  AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9924	0.9929	0.9933	0.9938	0.9944
0.050	0.9787	0.9800	0.9812	0.9825	0.9840
0.075	0.9612	0.9634	0.9656	0.9680	0.9707
0.100	0.9436	0.9463	0.9490	0.9520	0.9556
0.125	0.9321	0.9350	0.9379	0.9411	0.9450
0.150	0.9232	0.9261	0.9292	0.9326	0.9367
0.175	0.9159	0.9188	0.9219	0.9254	0.9295
0.200	0.9097	0.9126	0.9156	0.9191	0.9233
0.225	0.9045	0.9072	0.9102	0.9136	0.9177
0.250	0.9000	0.9026	0.9054	0.9087	0.9127
0.275	0.8961	0.8985	0.9012	0.9043	0.9082
0.300	0.8928	0.8951	0.8975	0.9004	0.9041
0.325	0.8901	0.8921	0.8943	0.8970	0.9004
0.350	0.8876	0.8895	0.8915	0.8939	0.8970
0.375	0.8859	0.8874	0.8891	0.8912	0.8940
0.400	0.8845	0.8857	0.8871	0.8889	0.8914
0.425	0.8835	0.8844	0.8855	0.8870	0.8891
0.450	0.8829	0.8835	0.8843	0.8854	0.8871
0.475	0.8824	0.8828	0.8834	0.8841	0.8854
0.500	0.8522	0.8823	0.8826	0.8831	0.8840
0.525	0.8824	0.8822	0.8821	0.8822	0.8827
0.550	0.8829	0.8824	0.8820	0.8818	0.8818
0.575	0.8835	0.8827	0.8821	0.8816	0.8812
0.600	0.8845	0.8835	0.8825	0.8816	0.8808
0.625	0.8859	0.8846	0.8833	0.8820	0.8807
0.650	0.8873	0.8861	0.8845	0.8829	0.8811
0.675	0.8901	0.8882	0.8862	0.8842	0.8820
0.700	0.8928	0.8907	0.8885	0.8861	0.8834
0.725	0.8961	0.8937	0.8913	0.8886	0.8855
0.750	0.9000	0.8974	0.8947	0.8917	0.8882
0.775	0.9045	0.9017	0.8988	0.8956	0.8917
0.800	0.9097	0.9069	0.9038	0.9004	0.8962
0.825	0.9159	0.9130	0.9098	0.9062	0.9018
0.850	0.9232	0.9203	0.9171	0.9134	0.9089
0.875	0.9321	0.9293	0.9261	0.9225	0.9180
0.900	0.9436	0.9409	0.9379	0.9344	0.9300
0.925	0.9612	0.9589	0.9564	0.9533	0.9492
0.950	0.9787	0.9774	0.9759	0.9742	0.9718
0.975	0.9924	0.9919	0.9914	0.9907	0.9899
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9950	0.9959	0.9973	0.9993	1.0000
0.050	0.9859	0.9884	0.9921	0.9978	1.0000
0.075	0.9740	0.9785	0.9852	0.9959	1.0000
0.100	0.9601	0.9666	0.9769	0.9935	0.9999
0.125	0.9500	0.9571	0.9687	0.9905	0.9999
0.150	0.9419	0.9496	0.9625	0.9877	0.9999
0.175	0.9350	0.9431	0.9569	0.9852	0.9998
0.200	0.9289	0.9372	0.9517	0.9827	0.9998
0.225	0.9233	0.9317	0.9468	0.9803	0.9997
0.250	0.9182	0.9266	0.9420	0.9778	0.9997
0.275	0.9135	0.9213	0.9374	0.9752	0.9996
0.300	0.9092	0.9173	0.9329	0.9726	0.9996
0.325	0.9052	0.9130	0.9285	0.9697	0.9995
0.350	0.9015	0.9090	0.9241	0.9668	0.9994
0.375	0.8982	0.9051	0.9198	0.9636	0.9993
0.400	0.8951	0.9015	0.9156	0.9603	0.9992
0.425	0.8923	0.8981	0.9114	0.9567	0.9991
0.450	0.8898	0.8949	0.9073	0.9529	0.9990
0.475	0.8875	0.8919	0.9033	0.9489	0.9988
0.500	0.8856	0.8892	0.8994	0.9445	0.9987
0.525	0.8839	0.8868	0.8956	0.9399	0.9985
0.550	0.8823	0.8844	0.8919	0.9350	0.9982
0.575	0.8811	0.8823	0.8884	0.9297	0.9979
0.600	0.8802	0.8804	0.8849	0.9240	0.9976
0.625	0.8795	0.8789	0.8816	0.9180	0.9971
0.650	0.8792	0.8775	0.8785	0.9115	0.9966
0.675	0.8794	0.8767	0.8756	0.9046	0.9959
0.700	0.8802	0.8763	0.8730	0.8974	0.9951
0.725	0.8816	0.8766	0.8710	0.8897	0.9940
0.750	0.8837	0.8777	0.8696	0.8814	0.9925
0.775	0.8867	0.8796	0.8691	0.8728	0.9906
0.800	0.8907	0.8827	0.8697	0.8639	0.9880
0.825	0.8959	0.8871	0.8718	0.8551	0.9842
0.850	0.9027	0.8932	0.8759	0.8471	0.9787
0.875	0.9117	0.9018	0.8828	0.8412	0.9703
0.900	0.9238	0.9139	0.8939	0.8392	0.9567
0.925	0.9433	0.9330	0.9123	0.8454	0.9334
0.950	0.9684	0.9623	0.9477	0.8712	0.8901
0.975	0.9886	0.9862	0.9806	0.9457	0.8068
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8889	0.9065	0.9216	0.9353	0.9484
0.050	0.7043	0.7469	0.7846	0.8198	0.8542
0.075	0.	0.5586	0.6182	0.6756	0.7335
0.100	0.	0.	0.0913	0.5142	0.5940
0.125	0.	0.	0.	0.	0.2689
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.7043	0.6528	0.	0.	0.
0.975	0.8889	0.8669	0.8370	0.7916	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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   *** RELATIVE ENERGY FLUX DENSITY IN THE ***
   *** PENUMBRA OF A  RECTANGULAR CYLINDER ***

   SOLAR FIELD ANGLE, D=  10.00 DEGREES
   GEOMETRY ......  D2/R = 1.00  AND H/R = 1.0

   BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9613	0.9746	0.9878	0.9984	1.0000
0.050	0.8892	0.9259	0.9638	0.9951	1.0000
0.075	0.7943	0.8602	0.9304	0.9904	1.0000
0.100	0.6512	0.7791	0.8877	0.9843	0.9999
0.125	0.5535	0.6839	0.8357	0.9765	0.9999
0.150	0.2348	0.5761	0.7738	0.9670	0.9998
0.175	0.	0.3684	0.7017	0.9554	0.9998
0.200	0.	0.0997	0.6191	0.9415	0.9997
0.225	0.	0.	0.5075	0.9248	0.9996
0.250	0.	0.	0.3210	0.9049	0.9995
0.275	0.	0.	0.1223	0.8812	0.9994
0.300	0.	0.	0.	0.8530	0.9993
0.325	0.	0.	0.	0.8194	0.9991
0.350	0.	0.	0.	0.7794	0.9989
0.375	0.	0.	0.	0.7318	0.9987
0.400	0.	0.	0.	0.6752	0.9984
0.425	0.	0.	0.	0.6077	0.9981
0.450	0.	0.	0.	0.4972	0.9977
0.475	0.	0.	0.	0.3585	0.9973
0.500	0.	0.	0.	0.1931	0.9967
0.525	0.	0.	0.	0.0277	0.9959
0.550	0.	0.	0.	0.	0.9951
0.575	0.	0.	0.	0.	0.9939
0.600	0.	0.	0.	0.	0.9925
0.625	0.	0.	0.	0.	0.9907
0.650	0.	0.	0.	0.	0.9882
0.675	0.	0.	0.	0.	0.9850
0.700	0.	0.	0.	0.	0.9806
0.725	0.	0.	0.	0.	0.9745
0.750	0.	0.	0.	0.	0.9656
0.775	0.	0.	0.	0.	0.9523
0.800	0.	0.	0.	0.	0.9314
0.825	0.	0.	0.	0.	0.8965
0.850	0.	0.	0.	0.	0.8336
0.875	0.	0.	0.	0.	0.7076
0.900	0.	0.	0.	0.	0.3395
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

311

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9674	0.9705	0.9734	0.9764	0.9796
0.050	0.9100	0.9150	0.9258	0.9337	0.9423
0.075	0.8387	0.8522	0.8654	0.8791	0.8940
0.100	0.7580	0.7770	0.7958	0.8154	0.8371
0.125	0.6711	0.6951	0.7191	0.7445	0.7729
0.150	0.5804	0.6087	0.6373	0.6679	0.7027
0.175	0.4820	0.5195	0.5518	0.5870	0.6275
0.200	0.3446	0.3944	0.4452	0.4999	0.5483
0.225	0.2151	0.2651	0.3161	0.3770	0.4461
0.250	0.1019	0.1468	0.1972	0.2560	0.3281
0.275	0.0185	0.0496	0.0906	0.1433	0.2128
0.300	0.	0.	0.0130	0.0490	0.1071
0.325	0.	0.	0.	0.	0.0239
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.0185	0.0001	0.	0.	0.
0.750	0.1019	0.0611	0.0249	0.0001	0.
0.775	0.2151	0.1659	0.1157	0.0639	0.0143
0.800	0.3446	0.2935	0.2383	0.1759	0.1032
0.825	0.4820	0.4339	0.3799	0.3157	0.2345
0.850	0.5804	0.5507	0.5178	0.4725	0.3937
0.875	0.6711	0.6456	0.6169	0.5821	0.5364
0.900	0.7580	0.7376	0.7143	0.6856	0.6471
0.925	0.8387	0.8239	0.8069	0.7856	0.7565
0.950	0.9100	0.9012	0.8908	0.8777	0.8593
0.975	0.9674	0.9640	0.9599	0.9547	0.9473
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ...... D2/R = 5.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9832	0.9875	0.9929	0.9987	1.0000
0.050	0.9521	0.9641	0.9792	0.9962	1.0000
0.075	0.9114	0.9328	0.9605	0.9926	1.0000
0.100	0.8626	0.8948	0.9372	0.9881	0.9999
0.125	0.8069	0.8504	0.9094	0.9824	0.9999
0.150	0.7450	0.8001	0.8769	0.9755	0.9998
0.175	0.6775	0.7442	0.8397	0.9673	0.9998
0.200	0.6053	0.6830	0.7977	0.9577	0.9997
0.225	0.5291	0.6168	0.7507	0.9463	0.9996
0.250	0.4218	0.5461	0.6986	0.9331	0.9996
0.275	0.3088	0.4498	0.6412	0.9177	0.9995
0.300	0.1976	0.3434	0.5786	0.8998	0.9993
0.325	0.0956	0.2351	0.4967	0.8790	0.9992
0.350	0.0167	0.1307	0.4025	0.8549	0.9990
0.375	0.	0.0408	0.2997	0.8270	0.9988
0.400	0.	0.	0.1938	0.7945	0.9985
0.425	0.	0.	0.0918	0.7569	0.9982
0.450	0.	0.	0.0114	0.7133	0.9979
0.475	0.	0.	0.	0.6626	0.9974
0.500	0.	0.	0.	0.6036	0.9969
0.525	0.	0.	0.	0.5202	0.9963
0.550	0.	0.	0.	0.4213	0.9955
0.575	0.	0.	0.	0.3060	0.9945
0.600	0.	0.	0.	0.1767	0.9932
0.625	0.	0.	0.	0.0483	0.9916
0.650	0.	0.	0.	0.	0.9895
0.675	0.	0.	0.	0.	0.9868
0.700	0.	0.	0.	0.	0.9832
0.725	0.	0.	0.	0.	0.9782
0.750	0.	0.	0.	0.	0.9712
0.775	0.	0.	0.	0.	0.9610
0.800	0.0233	0.	0.	0.	0.9456
0.825	0.1270	0.0041	0.	0.	0.9211
0.850	0.2787	0.1004	0.	0.	0.8795
0.875	0.4647	0.2729	0.	0.	0.8031
0.900	0.5894	0.4877	0.0696	0.	0.6392
0.925	0.7115	0.6280	0.3735	0.	0.1915
0.950	0.8302	0.7734	0.6120	0.	0.
0.975	0.9351	0.9102	0.8295	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9807	0.9822	0.9837	0.9853	0.9869
0.050	0.9463	0.9504	0.9543	0.9585	0.9630
0.075	0.9031	0.9100	0.9168	0.9240	0.9321
0.100	0.8533	0.8632	0.8731	0.8836	0.8955
0.125	0.7986	0.8115	0.8245	0.8383	0.8541
0.150	0.7402	0.7559	0.7717	0.7888	0.8085
0.175	0.6790	0.6971	0.7157	0.7359	0.7592
0.200	0.6158	0.6361	0.6570	0.6799	0.7067
0.225	0.5513	0.5734	0.5963	0.6216	0.6514
0.250	0.4834	0.5097	0.5341	0.5613	0.5938
0.275	0.4043	0.4332	0.4636	0.4975	0.5343
0.300	0.3267	0.3558	0.3868	0.4220	0.4647
0.325	0.2520	0.2804	0.3111	0.3465	0.3902
0.350	0.1817	0.2083	0.2377	0.2722	0.3156
0.375	0.1176	0.1413	0.1662	0.2005	0.2422
0.400	0.0620	0.0817	0.1048	0.1335	0.1718
0.425	0.0189	0.0328	0.0504	0.0738	0.1067
0.450	0.	0.0016	0.0103	0.0255	0.0502
0.475	0.	0.	0.	0.	0.0087
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.0189	0.0061	0.0008	0.	0.
0.600	0.0620	0.0445	0.0284	0.0136	0.0018
0.625	0.1176	0.0954	0.0738	0.0519	0.0293
0.650	0.1817	0.1562	0.1305	0.1034	0.0735
0.675	0.2520	0.2243	0.1958	0.1648	0.1293
0.700	0.3267	0.2979	0.2676	0.2341	0.1945
0.725	0.4043	0.3753	0.3444	0.3094	0.2673
0.750	0.4834	0.4551	0.4246	0.3896	0.3464
0.775	0.5513	0.5288	0.5044	0.4731	0.4306
0.800	0.6158	0.5949	0.5720	0.5453	0.5115
0.825	0.6790	0.6602	0.6394	0.6148	0.5835
0.850	0.7402	0.7238	0.7056	0.6840	0.6559
0.875	0.7986	0.7851	0.7699	0.7516	0.7277
0.900	0.8533	0.8428	0.8309	0.8165	0.7974
0.925	0.9031	0.8957	0.8873	0.8770	0.8632
0.950	0.9463	0.9420	0.9371	0.9309	0.9226
0.975	0.9807	0.9791	0.9772	0.9748	0.9716
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY .... D2/R =10.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9889	0.9914	0.9948	0.9989	1.0000
0.050	0.9685	0.9754	0.9848	0.9968	1.0000
0.075	0.9418	0.9542	0.9713	0.9938	1.0000
0.100	0.9098	0.9284	0.9546	0.9900	0.9999
0.125	0.8733	0.8986	0.9348	0.9854	0.9999
0.150	0.8326	0.8649	0.9120	0.9798	0.9998
0.175	0.7892	0.8276	0.8861	0.9732	0.9998
0.200	0.7404	0.7867	0.8571	0.9655	0.9997
0.225	0.6894	0.7424	0.8249	0.9566	0.9997
0.250	0.6356	0.6949	0.7894	0.9463	0.9996
0.275	0.5793	0.6443	0.7506	0.9344	0.9995
0.300	0.5207	0.5908	0.7083	0.9208	0.9993
0.325	0.4486	0.5347	0.6625	0.9053	0.9992
0.350	0.3750	0.4656	0.6131	0.8875	0.9990
0.375	0.3009	0.3934	0.5603	0.8672	0.9988
0.400	0.2276	0.3194	0.4958	0.8440	0.9986
0.425	0.1572	0.2449	0.4253	0.8174	0.9983
0.450	0.0922	0.1719	0.3509	0.7871	0.9980
0.475	0.0371	0.1031	0.2736	0.7524	0.9976
0.500	0.0013	0.0431	0.1952	0.7127	0.9971
0.525	0.	0.0024	0.1188	0.6674	0.9965
0.550	0.	0.	0.0498	0.6155	0.9957
0.575	0.	0.	0.0021	0.5493	0.9948
0.600	0.	0.	0.	0.4709	0.9937
0.625	0.0076	0.	0.	0.3809	0.9922
0.650	0.0400	0.0061	0.	0.2792	0.9904
0.675	0.0868	0.0356	0.	0.1684	0.9880
0.700	0.1449	0.0759	0.0059	0.0588	0.9848
0.725	0.2127	0.1366	0.0329	0.	0.9805
0.750	0.2880	0.2046	0.0754	0.	0.9745
0.775	0.3722	0.2831	0.1327	0.	0.9660
0.800	0.4615	0.3713	0.2053	0.	0.9535
0.825	0.5395	0.4650	0.2942	0.	0.9342
0.850	0.6157	0.5491	0.4001	0.0106	0.9027
0.875	0.6928	0.6335	0.5044	0.0448	0.8478
0.900	0.7691	0.7197	0.6061	0.1152	0.7424
0.925	0.8425	0.8053	0.7149	0.2534	0.4904
0.950	0.9100	0.8866	0.8264	0.4713	0.
0.975	0.9666	0.9571	0.9311	0.7245	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9922	0.9927	0.9931	0.9936	0.9942
0.050	0.9781	0.9794	0.9806	0.9820	0.9836
0.075	0.9601	0.9623	0.9646	0.9671	0.9699
0.100	0.9391	0.9424	0.9458	0.9494	0.9536
0.125	0.9191	0.9227	0.9266	0.9308	0.9358
0.150	0.9058	0.9096	0.9135	0.9179	0.9232
0.175	0.8954	0.8992	0.9032	0.9077	0.9131
0.200	0.8869	0.8906	0.8946	0.8990	0.9045
0.225	0.8798	0.8834	0.8872	0.8916	0.8970
0.250	0.8738	0.8772	0.8809	0.8851	0.8903
0.275	0.8688	0.8720	0.8754	0.8794	0.8844
0.300	0.8647	0.8675	0.8707	0.8744	0.8791
0.325	0.8612	0.8638	0.8666	0.8700	0.8791
0.350	0.8585	0.8607	0.8632	0.8662	0.8744
0.375	0.8563	0.8582	0.8603	0.8629	0.8702
0.400	0.8547	0.8562	0.8580	0.8602	0.8665
0.425	0.8537	0.8548	0.8561	0.8579	0.8633
0.450	0.8532	0.8539	0.8548	0.8562	0.8605
0.475	0.8524	0.8529	0.8537	0.8548	0.8582
0.500	0.8522	0.8523	0.8526	0.8533	0.8563
0.525	0.8524	0.8521	0.8520	0.8522	0.8545
0.550	0.8532	0.8525	0.8519	0.8516	0.8528
0.575	0.8537	0.8529	0.8521	0.8515	0.8516
0.600	0.8547	0.8534	0.8523	0.8515	0.8516
0.625	0.8563	0.8546	0.8530	0.8512	0.8509
0.650	0.8585	0.8564	0.8544	0.8515	0.8503
0.675	0.8612	0.8588	0.8564	0.8523	0.8499
0.700	0.8647	0.8619	0.8591	0.8538	0.8502
0.725	0.8686	0.8658	0.8626	0.8561	0.8510
0.750	0.8738	0.8705	0.8670	0.8592	0.8527
0.775	0.8798	0.8762	0.8725	0.8632	0.8552
0.800	0.8869	0.8832	0.8792	0.8683	0.8586
0.825	0.8954	0.8916	0.8875	0.8747	0.8633
0.850	0.9058	0.9019	0.8978	0.8823	0.8693
0.875	0.9191	0.9153	0.9112	0.8930	0.8770
0.900	0.9391	0.9356	0.9317	0.9064	0.8870
0.925	0.9601	0.9577	0.9550	0.9270	0.9004
0.950	0.9781	0.9767	0.9752	0.9518	0.9209
0.975	0.9922	0.9917	0.9911	0.9734	0.9476
1.000	1.0000	1.0000	1.0000	0.9904	0.9709

316

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ...... D2/R =00.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9949	0.9958	0.9972	0.9993	1.0000
0.050	0.9855	0.9881	0.9919	0.9978	1.0000
0.075	0.9733	0.9779	0.9849	0.9958	1.0000
0.100	0.9587	0.9657	0.9763	0.9934	0.9999
0.125	0.9423	0.9517	0.9663	0.9904	0.9999
0.150	0.9300	0.9398	0.9560	0.9869	0.9999
0.175	0.9202	0.9305	0.9480	0.9830	0.9998
0.200	0.9117	0.9224	0.9409	0.9796	0.9998
0.225	0.9042	0.9150	0.9343	0.9764	0.9997
0.250	0.8974	0.9083	0.9280	0.9731	0.9996
0.275	0.8913	0.9020	0.9219	0.9698	0.9996
0.300	0.8857	0.8961	0.9161	0.9663	0.9995
0.325	0.8806	0.8906	0.9103	0.9627	0.9994
0.350	0.8759	0.8854	0.9047	0.9589	0.9993
0.375	0.8717	0.8806	0.8992	0.9549	0.9992
0.400	0.8679	0.8760	0.8939	0.9506	0.9991
0.425	0.8645	0.8718	0.8886	0.9461	0.9990
0.450	0.8615	0.8679	0.8835	0.9413	0.9988
0.475	0.8589	0.8643	0.8785	0.9362	0.9986
0.500	0.8567	0.8611	0.8737	0.9307	0.9984
0.525	0.8543	0.8582	0.8690	0.9249	0.9981
0.550	0.8523	0.8550	0.8646	0.9187	0.9978
0.575	0.8508	0.8522	0.8603	0.9120	0.9975
0.600	0.8497	0.8499	0.8557	0.9049	0.9970
0.625	0.8486	0.8480	0.8513	0.8974	0.9965
0.650	0.8479	0.8460	0.8474	0.8893	0.9959
0.675	0.8479	0.8445	0.8437	0.8808	0.9950
0.700	0.8486	0.8438	0.8400	0.8718	0.9940
0.725	0.8503	0.8440	0.8370	0.8618	0.9926
0.750	0.8529	0.8451	0.8349	0.8511	0.9909
0.775	0.8568	0.8476	0.8340	0.8400	0.9885
0.800	0.8621	0.8516	0.8347	0.8283	0.9852
0.825	0.8693	0.8577	0.8376	0.8163	0.9805
0.850	0.8789	0.8664	0.8434	0.8055	0.9737
0.875	0.8921	0.8790	0.8536	0.7975	0.9632
0.900	0.9120	0.8982	0.8709	0.7956	0.9463
0.925	0.9414	0.9306	0.9053	0.8069	0.9171
0.950	0.9673	0.9610	0.9458	0.8597	0.8624
0.975	0.9882	0.9858	0.9798	0.9433	0.7525
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ...... D2/R =25.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9924	0.9929	0.9933	0.9938	0.9944
0.050	0.9787	0.9800	0.9812	0.9825	0.9841
0.075	0.9513	0.9634	0.9656	0.9680	0.9707
0.100	0.9426	0.9454	0.9482	0.9514	0.9551
0.125	0.9305	0.9334	0.9364	0.9398	0.9438
0.150	0.9213	0.9243	0.9274	0.9309	0.9351
0.175	0.9138	0.9168	0.9199	0.9235	0.9277
0.200	0.9075	0.9104	0.9136	0.9171	0.9214
0.225	0.9023	0.9051	0.9081	0.9115	0.9157
0.250	0.8978	0.9005	0.9033	0.9066	0.9107
0.275	0.8941	0.8965	0.8992	0.9023	0.9062
0.300	0.8909	0.8932	0.8956	0.8985	0.9022
0.325	0.8883	0.8903	0.8925	0.8952	0.8986
0.350	0.8863	0.8880	0.8899	0.8923	0.8954
0.375	0.8846	0.8861	0.8877	0.8898	0.8926
0.400	0.8835	0.8846	0.8860	0.8877	0.8901
0.425	0.8827	0.8835	0.8846	0.8860	0.8879
0.450	0.8823	0.8828	0.8836	0.8846	0.8862
0.475	0.8819	0.8823	0.8829	0.8836	0.8847
0.500	0.8817	0.8818	0.8821	0.8826	0.8835
0.525	0.8819	0.8817	0.8816	0.8818	0.8822
0.550	0.8823	0.8819	0.8815	0.8813	0.8813
0.575	0.8827	0.8820	0.8814	0.8810	0.8807
0.600	0.8835	0.8825	0.8816	0.8807	0.8800
0.625	0.8846	0.8833	0.8821	0.8809	0.8797
0.650	0.8863	0.8847	0.8831	0.8815	0.8798
0.675	0.8883	0.8865	0.8846	0.8826	0.8805
0.700	0.8909	0.8888	0.8866	0.8843	0.8816
0.725	0.8941	0.8917	0.8892	0.8866	0.8835
0.750	0.8978	0.8952	0.8925	0.8895	0.8860
0.775	0.9023	0.8995	0.8966	0.8933	0.8894
0.800	0.9075	0.9046	0.9015	0.8980	0.8938
0.825	0.9138	0.9108	0.9076	0.9039	0.8994
0.850	0.9213	0.9182	0.9150	0.9112	0.9066
0.875	0.9305	0.9275	0.9243	0.9206	0.9159
0.900	0.9426	0.9398	0.9367	0.9331	0.9286
0.925	0.9613	0.9590	0.9564	0.9533	0.9493
0.950	0.9787	0.9774	0.9760	0.9742	0.9719
0.975	0.9924	0.9919	0.9914	0.9907	0.9899
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***


SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ....... D2/R =25.00  AND H/R = 1.0


BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9950	0.9959	0.9973	0.9993	1.0000
0.050	0.9859	0.9884	0.9921	0.9978	1.0000
0.075	0.9740	0.9785	0.9852	0.9959	1.0000
0.100	0.9599	0.9666	0.9769	0.9935	0.9999
0.125	0.9489	0.9562	0.9682	0.9905	0.9999
0.150	0.9405	0.9484	0.9616	0.9875	0.9999
0.175	0.9334	0.9416	0.9558	0.9848	0.9998
0.200	0.9271	0.9356	0.9505	0.9823	0.9998
0.225	0.9214	0.9300	0.9454	0.9798	0.9997
0.250	0.9163	0.9249	0.9406	0.9772	0.9997
0.275	0.9116	0.9201	0.9359	0.9746	0.9996
0.300	0.9074	0.9156	0.9313	0.9718	0.9996
0.325	0.9034	0.9113	0.9269	0.9690	0.9995
0.350	0.8999	0.9073	0.9225	0.9659	0.9994
0.375	0.8966	0.9036	0.9183	0.9627	0.9993
0.400	0.8937	0.9000	0.9141	0.9593	0.9992
0.425	0.8911	0.8968	0.9100	0.9557	0.9991
0.450	0.8888	0.8937	0.9060	0.9519	0.9990
0.475	0.8868	0.8910	0.9021	0.9478	0.9988
0.500	0.8851	0.8885	0.8983	0.9435	0.9986
0.525	0.8834	0.8862	0.8947	0.9388	0.9984
0.550	0.8819	0.8840	0.8912	0.9339	0.9982
0.575	0.8806	0.8818	0.8880	0.9286	0.9979
0.600	0.8797	0.8799	0.8845	0.9230	0.9975
0.625	0.8786	0.8783	0.8811	0.9170	0.9971
0.650	0.8781	0.8766	0.8780	0.9107	0.9965
0.675	0.8780	0.8754	0.8749	0.9040	0.9958
0.700	0.8785	0.8748	0.8719	0.8969	0.9949
0.725	0.8797	0.8748	0.8695	0.8893	0.9938
0.750	0.8816	0.8756	0.8677	0.8809	0.9924
0.775	0.8844	0.8773	0.8669	0.8722	0.9904
0.800	0.8882	0.8801	0.8672	0.8628	0.9877
0.825	0.8934	0.8844	0.8690	0.8534	0.9839
0.850	0.9003	0.8906	0.8730	0.8447	0.9783
0.875	0.9094	0.8993	0.8799	0.8380	0.9698
0.900	0.9222	0.9119	0.8912	0.8354	0.9561
0.925	0.9433	0.9329	0.9109	0.8415	0.9327
0.950	0.9624	0.9623	0.9477	0.8669	0.8897
0.975	0.9596	0.9463	0.9406	0.9457	0.8035
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9316	0.9404	0.9483	0.9558	0.9635
0.050	0.8143	0.8363	0.8566	0.8764	0.8966
0.075	0.6739	0.7093	0.7427	0.7759	0.8106
0.100	0.5226	0.5695	0.6147	0.6607	0.7099
0.125	0.	0.	0.	0.5358	0.5981
0.150	0.	0.	0.	0.	0.
0.175	0.	0.	0.	0.	0.
0.200	0.	0.	0.	0.	0.
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.	0.	0.	0.	0.
0.950	0.8143	0.7889	0.	0.	0.
0.975	0.9316	0.9213	0.9082	0.	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ....... D2/R = 1.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9715	0.9802	0.9898	0.9985	1.0000
0.050	0.9184	0.9427	0.9700	0.9955	1.0000
0.075	0.8486	0.8923	0.9427	0.9912	1.0000
0.100	0.7652	0.8303	0.9081	0.9856	0.9999
0.125	0.6702	0.7578	0.8662	0.9786	0.9999
0.150	0.5658	0.6754	0.8167	0.9700	0.9998
0.175	0.	0.5839	0.7594	0.9597	0.9998
0.200	0.	0.2123	0.6940	0.9473	0.9997
0.225	0.	0.	0.6203	0.9326	0.9996
0.250	0.	0.	0.5094	0.9152	0.9995
0.275	0.	0.	0.1852	0.8946	0.9994
0.300	0.	0.	0.	0.8703	0.9993
0.325	0.	0.	0.	0.8417	0.9991
0.350	0.	0.	0.	0.8079	0.9990
0.375	0.	0.	0.	0.7680	0.9987
0.400	0.	0.	0.	0.7209	0.9985
0.425	0.	0.	0.	0.6653	0.9982
0.450	0.	0.	0.	0.5955	0.9978
0.475	0.	0.	0.	0.4402	0.9973
0.500	0.	0.	0.	0.2380	0.9967
0.525	0.	0.	0.	0.0220	0.9960
0.550	0.	0.	0.	0.	0.9952
0.575	0.	0.	0.	0.	0.9941
0.600	0.	0.	0.	0.	0.9927
0.625	0.	0.	0.	0.	0.9910
0.650	0.	0.	0.	0.	0.9887
0.675	0.	0.	0.	0.	0.9856
0.700	0.	0.	0.	0.	0.9815
0.725	0.	0.	0.	0.	0.9757
0.750	0.	0.	0.	0.	0.9674
0.775	0.	0.	0.	0.	0.9552
0.800	0.	0.	0.	0.	0.9362
0.825	0.	0.	0.	0.	0.9050
0.850	0.	0.	0.	0.	0.8498
0.875	0.	0.	0.	0.	0.7423
0.900	0.	0.	0.	0.	0.3837
0.925	0.	0.	0.	0.	0.
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, Σ= 10.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9718	0.9744	0.9768	0.9793	0.9819
0.050	0.9220	0.9286	0.9350	0.9417	0.9489
0.075	0.8598	0.8710	0.8821	0.8935	0.9061
0.100	0.7892	0.8050	0.8207	0.8372	0.8556
0.125	0.7125	0.7327	0.7529	0.7744	0.7986
0.150	0.6318	0.6558	0.6802	0.7063	0.7361
0.175	0.5487	0.5759	0.6038	0.6340	0.6689
0.200	0.4184	0.4635	0.5249	0.5585	0.5979
0.225	0.2314	0.3005	0.3717	0.4480	0.5239
0.250	0.0748	0.1348	0.2033	0.2826	0.3768
0.275	0.	0.0148	0.0617	0.1298	0.2218
0.300	0.	0.	0.	0.0157	0.0833
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.0748	0.0248	0.	0.	0.
0.775	0.2314	0.1621	0.	0.	0.
0.800	0.4184	0.3486	0.0920	0.0252	0.
0.825	0.5487	0.5205	0.2701	0.1787	0.0728
0.850	0.6318	0.6065	0.4843	0.3951	0.2741
0.875	0.7125	0.6911	0.5785	0.5451	0.5021
0.900	0.7892	0.7722	0.6669	0.6378	0.5996
0.925	0.8598	0.8477	0.7528	0.7292	0.6975
0.950	0.9220	0.9148	0.8337	0.8164	0.7928
0.975	0.9718	0.9691	0.9064	0.8953	0.8812
1.000	1.0000	1.0000	0.9658	0.9616	0.9558
			1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ....... D2/R = 5.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9850	0.9887	0.9934	0.9988	1.0000
0.050	0.9572	0.9675	0.9808	0.9964	1.0000
0.075	0.9209	0.9394	0.9637	0.9930	1.0000
0.100	0.8774	0.9051	0.9424	0.9886	1.0000
0.125	0.8277	0.8652	0.9169	0.9832	0.9999
0.150	0.7724	0.8201	0.8874	0.9767	0.9998
0.175	0.7121	0.7699	0.8536	0.9689	0.9998
0.200	0.6473	0.7149	0.8155	0.9598	0.9997
0.225	0.5788	0.6554	0.7730	0.9492	0.9997
0.250	0.4930	0.5917	0.7260	0.9368	0.9996
0.275	0.3463	0.5178	0.6742	0.9224	0.9995
0.300	0.2000	0.3846	0.6177	0.9057	0.9993
0.325	0.0696	0.2462	0.5565	0.8864	0.9992
0.350	0.	0.1132	0.4468	0.8641	0.9990
0.375	0.	0.0109	0.3217	0.8384	0.9988
0.400	0.	0.	0.1905	0.8087	0.9985
0.425	0.	0.	0.0665	0.7744	0.9983
0.450	0.	0.	0.	0.7347	0.9979
0.475	0.	0.	0.	0.6887	0.9975
0.500	0.	0.	0.	0.6357	0.9969
0.525	0.	0.	0.	0.5597	0.9963
0.550	0.	0.	0.	0.4498	0.9955
0.575	0.	0.	0.	0.3174	0.9946
0.600	0.	0.	0.	0.1653	0.9933
0.625	0.	0.	0.	0.0206	0.9918
0.650	0.	0.	0.	0.	0.9898
0.675	0.	0.	0.	0.	0.9871
0.700	0.	0.	0.	0.	0.9836
0.725	0.	0.	0.	0.	0.9788
0.750	0.	0.	0.	0.	0.9721
0.775	0.	0.	0.	0.	0.9623
0.800	0.	0.	0.	0.	0.9477
0.825	0.1055	0.	0.	0.	0.9246
0.850	0.3628	0.0585	0.	0.	0.8859
0.875	0.5439	0.3961	0.	0.	0.8156
0.900	0.6503	0.5671	0.	0.	0.6681
0.925	0.7367	0.6905	0.5256	0.	0.1770
0.950	0.8583	0.8144	0.6939	0.	0.
0.975	0.9464	0.9276	0.8705	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***


SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ........ D2/R =10.00  AND H/R = 2.0


BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9519	0.9833	0.9847	0.9861	0.9877
0.050	0.9497	0.9534	0.9570	0.9608	0.9651
0.075	0.9090	0.9153	0.9217	0.9283	0.9358
0.100	0.8621	0.8713	0.8805	0.8902	0.9012
0.125	0.8106	0.8225	0.8345	0.8474	0.8620
0.150	0.7554	0.7700	0.7847	0.8006	0.8189
0.175	0.6975	0.7144	0.7317	0.7505	0.7722
0.200	0.6375	0.6565	0.6760	0.6975	0.7225
0.225	0.5761	0.5968	0.6183	0.6421	0.6700
0.250	0.5140	0.5361	0.5591	0.5847	0.6153
0.275	0.4279	0.4609	0.4953	0.5260	0.5586
0.300	0.3363	0.3699	0.4055	0.4456	0.4937
0.325	0.2484	0.2812	0.3167	0.3574	0.4073
0.350	0.1667	0.1971	0.2309	0.2706	0.3205
0.375	0.0741	0.1205	0.1508	0.1876	0.2352
0.400	0.0353	0.0553	0.0799	0.1114	0.1543
0.425	0.0004	0.0088	0.0239	0.0468	0.0815
0.450	0.	0.	0.	0.0035	0.0234
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.0004	0.	0.	0.	0.
0.600	0.0353	0.0188	0.0058	0.	0.
0.625	0.0941	0.0701	0.0474	0.0258	0.0067
0.650	0.1566	0.1377	0.1089	0.0790	0.0474
0.675	0.2484	0.2164	0.1835	0.1480	0.1079
0.700	0.3363	0.3028	0.2677	0.2286	0.1826
0.725	0.4279	0.3945	0.3567	0.3180	0.2686
0.750	0.5140	0.4892	0.4544	0.4139	0.3635
0.775	0.5761	0.5549	0.5319	0.5052	0.4651
0.800	0.6375	0.6179	0.5965	0.5714	0.5397
0.825	0.6975	0.6799	0.6605	0.6376	0.6084
0.850	0.7554	0.7402	0.7233	0.7032	0.6772
0.875	0.8106	0.7981	0.7840	0.7671	0.7450
0.900	0.8621	0.8524	0.8415	0.8282	0.8107
0.925	0.9090	0.9022	0.8945	0.8850	0.8724
0.950	0.9497	0.9457	0.9412	0.9356	0.9280
0.975	0.9819	0.9804	0.9787	0.9765	0.9736
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9895	0.9918	0.9950	0.9989	1.0000
0.050	0.9701	0.9766	0.9854	0.9969	1.0000
0.075	0.9448	0.9564	0.9724	0.9940	1.0000
0.100	0.9145	0.9319	0.9565	0.9903	0.9999
0.125	0.8799	0.9036	0.9376	0.9857	0.9999
0.150	0.8414	0.8716	0.9158	0.9803	0.9998
0.175	0.7993	0.8361	0.8911	0.9739	0.9998
0.200	0.7540	0.7973	0.8635	0.9664	0.9997
0.225	0.7056	0.7553	0.8328	0.9578	0.9997
0.250	0.6545	0.7102	0.7991	0.9479	0.9996
0.275	0.6010	0.6622	0.7622	0.9364	0.9995
0.300	0.5454	0.6114	0.7220	0.9234	0.9994
0.325	0.4732	0.5580	0.6785	0.9084	0.9992
0.350	0.3893	0.4900	0.6317	0.8913	0.9990
0.375	0.3025	0.4075	0.5815	0.8719	0.9988
0.400	0.2176	0.3225	0.5196	0.8497	0.9986
0.425	0.1373	0.2368	0.4404	0.8243	0.9983
0.450	0.0657	0.1533	0.3560	0.7955	0.9980
0.475	0.0116	0.0768	0.2678	0.7625	0.9976
0.500	0.	0.0164	0.1785	0.7249	0.9971
0.525	0.	0.	0.0929	0.6819	0.9965
0.550	0.	0.	0.0217	0.6329	0.9958
0.575	0.	0.	0.	0.5686	0.9949
0.600	0.	0.	0.	0.4834	0.9937
0.625	0.	0.	0.	0.3836	0.9923
0.650	0.0153	0.	0.	0.2693	0.9905
0.675	0.0614	0.0118	0.	0.1443	0.9881
0.700	0.1257	0.0544	0.	0.0275	0.9850
0.725	0.2046	0.1167	0.0097	0.	0.9808
0.750	0.2956	0.1761	0.0496	0.	0.9750
0.775	0.3949	0.2910	0.1126	0.	0.9667
0.800	0.4956	0.4000	0.1991	0.	0.9545
0.825	0.5670	0.5000	0.3106	0.	0.9359
0.850	0.6398	0.5778	0.4483	0.	0.9056
0.875	0.7126	0.6581	0.5382	0.0155	0.8531
0.900	0.7847	0.7395	0.6353	0.0889	0.7534
0.925	0.8535	0.8197	0.7378	0.2925	0.4962
0.950	0.9165	0.8954	0.8414	0.5242	0.
0.975	0.9591	0.9605	0.9375	0.7607	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ....... D2/R =00.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9922	0.9927	0.9931	0.9936	0.9942
0.050	0.9781	0.9794	0.9807	0.9821	0.9836
0.075	0.9601	0.9624	0.9647	0.9671	0.9699
0.100	0.9392	0.9425	0.9458	0.9495	0.9536
0.125	0.9166	0.9208	0.9249	0.9296	0.9352
0.150	0.9018	0.9058	0.9100	0.9147	0.9203
0.175	0.8906	0.8946	0.8988	0.9036	0.9093
0.200	0.8817	0.8956	0.8898	0.8944	0.9001
0.225	0.8745	0.8782	0.8922	0.8867	0.8923
0.250	0.8686	0.8721	0.8753	0.8802	0.8856
0.275	0.8638	0.8670	0.8705	0.8745	0.8796
0.300	0.8599	0.8628	0.8659	0.8697	0.8745
0.325	0.8569	0.8594	0.8622	0.8656	0.8700
0.350	0.8546	0.8567	0.8592	0.8621	0.8661
0.375	0.8530	0.8547	0.8567	0.8593	0.8627
0.400	0.8520	0.8533	0.8549	0.8570	0.8599
0.425	0.8516	0.8525	0.8537	0.8553	0.8577
0.450	0.8517	0.8522	0.8530	0.8541	0.8559
0.475	0.8509	0.8515	0.8523	0.8534	0.8546
0.500	0.8507	0.8508	0.8511	0.8516	0.8531
0.525	0.8509	0.8506	0.8505	0.8507	0.8513
0.550	0.8517	0.8510	0.8504	0.8501	0.8501
0.575	0.8518	0.8509	0.8503	0.8500	0.8494
0.600	0.8520	0.8509	0.8499	0.8490	0.8484
0.625	0.8530	0.8514	0.8500	0.8486	0.8473
0.650	0.8548	0.8526	0.8507	0.8488	0.8468
0.675	0.8569	0.8545	0.8522	0.8497	0.8471
0.700	0.8599	0.8572	0.8544	0.8514	0.8481
0.725	0.8639	0.8607	0.8575	0.8541	0.8501
0.750	0.8686	0.8652	0.8616	0.8577	0.8532
0.775	0.8745	0.8708	0.8670	0.8627	0.8575
0.800	0.8817	0.8779	0.8737	0.8691	0.8635
0.825	0.8906	0.8956	0.8823	0.8774	0.8714
0.850	0.9018	0.8978	0.8934	0.8883	0.8820
0.875	0.9166	0.9127	0.9063	0.9032	0.8966
0.900	0.9392	0.9357	0.9318	0.9271	0.9210
0.925	0.9601	0.9578	0.9551	0.9519	0.9477
0.950	0.9781	0.9768	0.9752	0.9734	0.9710
0.975	0.9922	0.9917	0.9911	0.9904	0.9895
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ...... D2/R =00.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9949	0.9958	0.9972	0.9993	1.0000
0.050	0.9855	0.9881	0.9919	0.9978	1.0000
0.075	0.9733	0.9780	0.9849	0.9958	1.0000
0.100	0.9588	0.9658	0.9763	0.9934	0.9999
0.125	0.9422	0.9518	0.9663	0.9904	0.9999
0.150	0.9275	0.9379	0.9551	0.9869	0.9999
0.175	0.9147	0.9276	0.9461	0.9828	0.9998
0.200	0.9077	0.9189	0.9384	0.9790	0.9998
0.225	0.8998	0.9112	0.9313	0.9755	0.9997
0.250	0.8929	0.9042	0.9247	0.9720	0.9996
0.275	0.8867	0.8977	0.9184	0.9684	0.9995
0.300	0.8312	0.8918	0.9124	0.9648	0.9995
0.325	0.8762	0.8864	0.9065	0.9610	0.9994
0.350	0.8718	0.8913	0.9010	0.9570	0.9993
0.375	0.8678	0.8766	0.8955	0.9529	0.9992
0.400	0.8544	0.8724	0.8902	0.9485	0.9990
0.425	0.8614	0.8685	0.8851	0.9439	0.9989
0.450	0.8589	0.8650	0.8802	0.9389	0.9987
0.475	0.8569	0.8619	0.8755	0.9337	0.9985
0.500	0.8553	0.8591	0.8710	0.9282	0.9983
0.525	0.8529	0.8569	0.8668	0.9223	0.9981
0.550	0.8508	0.8536	0.8628	0.9161	0.9977
0.575	0.8492	0.8507	0.8591	0.9095	0.9974
0.600	0.8492	0.8483	0.8543	0.9025	0.9969
0.625	0.8463	0.8464	0.8498	0.8951	0.9963
0.650	0.8449	0.8436	0.8457	0.8873	0.9957
0.675	0.8442	0.8413	0.8417	0.8791	0.9948
0.700	0.8443	0.8395	0.8371	0.8705	0.9937
0.725	0.8453	0.8392	0.8331	0.8606	0.9923
0.750	0.8474	0.8397	0.8301	0.8495	0.9904
0.775	0.8509	0.8417	0.8284	0.8381	0.9880
0.800	0.8560	0.8453	0.8283	0.8254	0.9846
0.825	0.8633	0.8512	0.8306	0.8118	0.9798
0.850	0.8735	0.8603	0.8363	0.7992	0.9728
0.875	0.8879	0.8739	0.8470	0.7894	0.9621
0.900	0.9121	0.8967	0.8663	0.7862	0.9449
0.925	0.9415	0.9307	0.9054	0.7984	0.9157
0.950	0.9674	0.9611	0.9459	0.8599	0.8612
0.975	0.9882	0.9858	0.9799	0.9434	0.7436
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 10.00 DEGREES
GEOMETRY ...... D2/R =125.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9924	0.9929	0.9933	0.9938	0.9944
0.050	0.9787	0.9800	0.9812	0.9826	0.9841
0.075	0.9613	0.9635	0.9657	0.9680	0.9707
0.100	0.9412	0.9442	0.9474	0.9509	0.9549
0.125	0.9274	0.9305	0.9337	0.9373	0.9415
0.150	0.9175	0.9206	0.9239	0.9276	0.9320
0.175	0.9096	0.9127	0.9160	0.9197	0.9242
0.200	0.9031	0.9062	0.9094	0.9131	0.9176
0.225	0.8979	0.9008	0.9039	0.9074	0.9118
0.250	0.8935	0.8962	0.8991	0.9025	0.9068
0.275	0.8900	0.8924	0.8952	0.8983	0.9023
0.300	0.8871	0.8893	0.8915	0.8947	0.8984
0.325	0.8849	0.8868	0.8890	0.8916	0.8950
0.350	0.8832	0.8848	0.8867	0.8890	0.8921
0.375	0.8820	0.8833	0.8849	0.8869	0.8895
0.400	0.8813	0.8823	0.8836	0.8852	0.8874
0.425	0.8810	0.8817	0.8826	0.8839	0.8857
0.450	0.8812	0.8816	0.8821	0.8830	0.8844
0.475	0.8810	0.8814	0.8820	0.8825	0.8834
0.500	0.8808	0.8809	0.8811	0.8817	0.8826
0.525	0.8810	0.8807	0.8807	0.8808	0.8813
0.550	0.8812	0.8810	0.8806	0.8803	0.8803
0.575	0.8810	0.8805	0.8801	0.8798	0.8797
0.600	0.8813	0.8804	0.8797	0.8790	0.8786
0.625	0.8820	0.8808	0.8797	0.8786	0.8776
0.650	0.8832	0.8817	0.8802	0.8787	0.8772
0.675	0.8849	0.8830	0.8812	0.8794	0.8773
0.700	0.8871	0.8850	0.8828	0.8806	0.8780
0.725	0.8900	0.8876	0.8851	0.8825	0.8794
0.750	0.8935	0.8909	0.8881	0.8851	0.8816
0.775	0.8979	0.8950	0.8920	0.8887	0.8847
0.800	0.9031	0.9001	0.8969	0.8933	0.8890
0.825	0.9096	0.9064	0.9031	0.8993	0.8946
0.850	0.9175	0.9143	0.9108	0.9069	0.9020
0.875	0.9274	0.9243	0.9209	0.9169	0.9120
0.900	0.9412	0.9382	0.9348	0.9309	0.9260
0.925	0.9613	0.9590	0.9564	0.9534	0.9493
0.950	0.9787	0.9774	0.9760	0.9742	0.9719
0.975	0.9924	0.9919	0.9914	0.9907	0.9899
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  10.00 DEGREES
GEOMETRY ....... D2/R =25.0   AND H/R = 2.0

BETA = ANGLE OF INCIDENCE. DEGREES
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BETA ***	50.00	60.00	70.00	80.00	84.50
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9950	0.9959	0.9973	0.9993	1.0000
0.050	0.9859	0.9884	0.9921	0.9979	1.0000
0.075	0.9741	0.9765	0.9852	0.9959	1.0000
0.100	0.9599	0.9667	0.9769	0.9935	0.9999
0.125	0.9469	0.9547	0.9674	0.9905	0.9999
0.150	0.9377	0.9461	0.9600	0.9872	0.9999
0.175	0.9301	0.9388	0.9537	0.9843	0.9998
0.200	0.9235	0.9324	0.9481	0.9815	0.9998
0.225	0.9177	0.9267	0.9427	0.9788	0.9997
0.250	0.9125	0.9214	0.9377	0.9761	0.9997
0.275	0.9078	0.9165	0.9329	0.9733	0.9996
0.300	0.9036	0.9120	0.9283	0.9704	0.9995
0.325	0.8999	0.9078	0.9238	0.9674	0.9995
0.350	0.8965	0.9040	0.9194	0.9643	0.9994
0.375	0.8935	0.9004	0.9152	0.9610	0.9993
0.400	0.8909	0.8971	0.9111	0.9575	0.9992
0.425	0.8886	0.8941	0.9072	0.9538	0.9991
0.450	0.8867	0.8914	0.9033	0.9499	0.9989
0.475	0.8852	0.8890	0.8997	0.9457	0.9988
0.500	0.8840	0.8869	0.8962	0.9414	0.9986
0.525	0.8825	0.8852	0.8929	0.9367	0.9983
0.550	0.8809	0.8831	0.8898	0.9318	0.9981
0.575	0.8797	0.8808	0.8870	0.9265	0.9978
0.600	0.8785	0.8790	0.8836	0.9210	0.9974
0.625	0.8769	0.8770	0.8801	0.9152	0.9969
0.650	0.8757	0.8749	0.8769	0.9090	0.9963
0.675	0.8751	0.8729	0.8733	0.9026	0.9956
0.700	0.8751	0.8717	0.8697	0.8959	0.9947
0.725	0.8757	0.8711	0.8655	0.8885	0.9935
0.750	0.8772	0.8713	0.8640	0.8799	0.9920
0.775	0.8796	0.8725	0.8624	0.8711	0.9899
0.800	0.8832	0.8750	0.8621	0.8606	0.9871
0.825	0.8884	0.8791	0.8634	0.8499	0.9832
0.850	0.8954	0.8853	0.8670	0.8399	0.9775
0.875	0.9051	0.8944	0.8740	0.8317	0.9688
0.900	0.9192	0.9081	0.8861	0.8278	0.9549
0.925	0.9434	0.9330	0.9088	0.8336	0.9315
0.950	0.9654	0.9624	0.9476	0.8657	0.8889
0.975	0.9886	0.9863	0.9806	0.9458	0.7968
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.8410	0.8828	0.9130	0.9364	0.9554
0.050	0.5857	0.6840	0.7592	0.8202	0.8717
0.075	0.3135	0.4539	0.5711	0.6719	0.7611
0.100	0.0811	0.2257	0.3683	0.5025	0.6289
0.125	0.	0.0419	0.1729	0.3236	0.4804
0.150	0.	0.	0.0221	0.1517	0.3227
0.175	0.	0.	0.	0.0187	0.1672
0.200	0.	0.	0.	0.	0.0367
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.0811	0.	0.	0.	0.
0.925	0.3135	0.1449	0.	0.	0.
0.950	0.5857	0.4486	0.2441	0.	0.
0.975	0.8410	0.7771	0.6649	0.4214	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ....... D2/R = 1.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9714	0.9847	0.9949	0.9998	1.0000
0.050	0.9163	0.9546	0.9846	0.9995	1.0000
0.075	0.8413	0.9125	0.9699	0.9991	1.0000
0.100	0.7483	0.8588	0.9507	0.9985	1.0000
0.125	0.6389	0.7931	0.9266	0.9978	0.9999
0.150	0.5149	0.7150	0.8971	0.9969	0.9999
0.175	0.3795	0.6244	0.8614	0.9953	0.9999
0.200	0.2387	0.5213	0.8188	0.9945	0.9999
0.225	0.1042	0.4067	0.7682	0.9929	0.9998
0.250	0.0054	0.2832	0.7086	0.9911	0.9998
0.275	0.	0.1573	0.6389	0.9888	0.9997
0.300	0.	0.0441	0.5580	0.9861	0.9997
0.325	0.	0.	0.4649	0.9829	0.9996
0.350	0.	0.	0.3596	0.9790	0.9995
0.375	0.	0.	0.2437	0.9743	0.9994
0.400	0.	0.	0.1235	0.9687	0.9993
0.425	0.	0.	0.0192	0.9618	0.9992
0.450	0.	0.	0.	0.9534	0.9990
0.475	0.	0.	0.	0.9431	0.9988
0.500	0.	0.	0.	0.9302	0.9986
0.525	0.	0.	0.	0.9141	0.9983
0.550	0.	0.	0.	0.8937	0.9979
0.575	0.	0.	0.	0.8676	0.9974
0.600	0.	0.	0.	0.8337	0.9968
0.625	0.	0.	0.	0.7891	0.9960
0.650	0.	0.	0.	0.7293	0.9950
0.675	0.	0.	0.	0.6482	0.9936
0.700	0.	0.	0.	0.5362	0.9917
0.725	0.	0.	0.	0.3811	0.9891
0.750	0.	0.	0.	0.1741	0.9854
0.775	0.	0.	0.	0.	0.9799
0.800	0.	0.	0.	0.	0.9712
0.825	0.	0.	0.	0.	0.9569
0.850	0.	0.	0.	0.	0.9311
0.875	0.	0.	0.	0.	0.8796
0.900	0.	0.	0.	0.	0.7594
0.925	0.	0.	0.	0.	0.4093
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AλAB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9735	0.9769	0.9801	0.9831	0.9862
0.050	0.9266	0.9356	0.9439	0.9521	0.9606
0.075	0.8680	0.8833	0.8977	0.9120	0.9271
0.100	0.8012	0.8229	0.8436	0.8646	0.8868
0.125	0.7285	0.7563	0.7833	0.8109	0.8407
0.150	0.6510	0.6851	0.7179	0.7520	0.7892
0.175	0.5726	0.6105	0.6484	0.6885	0.7330
0.200	0.4921	0.5336	0.5759	0.6212	0.6724
0.225	0.4118	0.4557	0.5012	0.5508	0.6080
0.250	0.3330	0.3780	0.4254	0.4781	0.5402
0.275	0.2571	0.3016	0.3496	0.4041	0.4698
0.300	0.1855	0.2280	0.2750	0.3298	0.3975
0.325	0.1202	0.1589	0.2032	0.2564	0.3243
0.350	0.0637	0.0964	0.1360	0.1856	0.2514
0.375	0.0197	0.0437	0.0760	0.1194	0.1804
0.400	0.	0.0065	0.0272	0.0610	0.1138
0.425	0.	0.	0.	0.0157	0.0550
0.450	0.	0.	0.	0.	0.0106
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.0197	0.0035	0.	0.	0.
0.650	0.0637	0.0361	0.0136	0.	0.
0.675	0.1202	0.0853	0.0530	0.0236	0.0016
0.700	0.1855	0.1455	0.1063	0.0671	0.0289
0.725	0.2571	0.2139	0.1699	0.1236	0.0740
0.750	0.3330	0.2882	0.2414	0.1903	0.1322
0.775	0.4118	0.3672	0.3193	0.2654	0.2016
0.800	0.4921	0.4491	0.4020	0.3475	0.2806
0.825	0.5726	0.5326	0.4879	0.4350	0.3680
0.850	0.6510	0.6162	0.5756	0.5265	0.4623
0.875	0.7285	0.6983	0.6634	0.6201	0.5619
0.900	0.8012	0.7773	0.7492	0.7136	0.6645
0.925	0.8680	0.8509	0.8305	0.8042	0.7669
0.950	0.9266	0.9165	0.9041	0.8879	0.8643
0.975	0.9735	0.9696	0.9648	0.9563	0.9487
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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***  RELATIVE ENERGY FLUX DENSITY IN THE  ***
***  PENUMBRA OF A  RECTANGULAR CYLINDER  ***
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SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 0,

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9895	0.9931	0.9970	0.9999	1.0000
0.050	0.9698	0.9800	0.9911	0.9996	1.0000
0.075	0.9436	0.9622	0.9830	0.9992	1.0000
0.100	0.9116	0.9402	0.9727	0.9987	1.0000
0.125	0.8744	0.9140	0.9602	0.9981	1.0000
0.150	0.8322	0.8838	0.9453	0.9974	0.9999
0.175	0.7852	0.8493	0.9279	0.9965	0.9999
0.200	0.7337	0.8107	0.9078	0.9954	0.9999
0.225	0.6778	0.7677	0.8847	0.9942	0.9998
0.250	0.6177	0.7203	0.8584	0.9927	0.9998
0.275	0.5539	0.6685	0.8286	0.9909	0.9998
0.300	0.4866	0.6122	0.7950	0.9889	0.9997
0.325	0.4166	0.5516	0.7571	0.9864	0.9996
0.350	0.3445	0.4867	0.7146	0.9836	0.9996
0.375	0.2714	0.4179	0.6670	0.9802	0.9995
0.400	0.1989	0.3458	0.6141	0.9761	0.9994
0.425	0.1292	0.2714	0.5553	0.9714	0.9992
0.450	0.0660	0.1963	0.4905	0.9657	0.9991
0.475	0.0159	0.1231	0.4195	0.9588	0.9989
0.500	0.	0.0566	0.3425	0.9506	0.9987
0.525	0.	0.0069	0.2603	0.9406	0.9984
0.550	0.	0.	0.1752	0.9285	0.9980
0.575	0.	0.	0.0916	0.9135	0.9976
0.600	0.	0.	0.0205	0.8948	0.9971
0.625	0.	0.	0.	0.8715	0.9964
0.650	0.	0.	0.	0.8420	0.9955
0.675	0.	0.	0.	0.8041	0.9944
0.700	0.0003	0.	0.	0.7548	0.9929
0.725	0.0236	0.	0.	0.6900	0.9908
0.750	0.0661	0.0040	0.	0.6036	0.9878
0.775	0.1233	0.0329	0.	0.4871	0.9836
0.800	0.1938	0.0805	0.	0.3307	0.9772
0.825	0.2766	0.1456	0.0009	0.1324	0.9672
0.850	0.3709	0.2286	0.0257	0.	0.9503
0.875	0.4755	0.3303	0.0777	0.	0.9195
0.900	0.5885	0.4510	0.1629	0.	0.8563
0.925	0.7067	0.5895	0.2931	0.	0.7032
0.950	0.8246	0.7413	0.4839	0.	0.2456
0.975	0.9318	0.8934	0.7452	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY....... D2/R =10.00 AND H/R = 0,

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0,	10.00	20.00	30.00	40.00
AX/AD	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9845	0.9862	0.9877	0.9893	0.9910
0.050	0.9567	0.9612	0.9655	0.9698	0.9744
0.075	0.9216	0.9293	0.9368	0.9445	0.9527
0.100	0.8810	0.8923	0.9032	0.9145	0.9268
0.125	0.8362	0.8509	0.8654	0.8805	0.8971
0.150	0.7890	0.8061	0.8241	0.8430	0.8639
0.175	0.7372	0.7585	0.7798	0.8023	0.8277
0.200	0.6843	0.7064	0.7328	0.7589	0.7885
0.225	0.6298	0.6564	0.6836	0.7129	0.7465
0.250	0.5743	0.6030	0.6325	0.6647	0.7021
0.275	0.5182	0.5485	0.5799	0.6146	0.6554
0.300	0.4620	0.4933	0.5262	0.5629	0.6065
0.325	0.4061	0.4379	0.4717	0.5099	0.5558
0.350	0.3510	0.3827	0.4169	0.4559	0.5035
0.375	0.2971	0.3282	0.3621	0.4013	0.4499
0.400	0.2449	0.2748	0.3078	0.3466	0.3954
0.425	0.1950	0.2231	0.2546	0.2922	0.3403
0.450	0.1566	0.1758	0.2031	0.2387	0.2853
0.475	0.1378	0.1462	0.1646	0.1897	0.2309
0.500	0.1319	0.1343	0.1422	0.1576	0.1857
0.525	0.1378	0.1322	0.1316	0.1377	0.1546
0.550	0.1566	0.1425	0.1331	0.1292	0.1345
0.575	0.1950	0.1659	0.1467	0.1337	0.1261
0.600	0.2449	0.2164	0.1876	0.1571	0.1325
0.625	0.2971	0.2669	0.2361	0.2028	0.1650
0.650	0.3510	0.3198	0.2875	0.2521	0.2110
0.675	0.4061	0.3745	0.3413	0.3044	0.2608
0.700	0.4620	0.4306	0.3972	0.3594	0.3141
0.725	0.5182	0.4875	0.4545	0.4167	0.3705
0.750	0.5743	0.5449	0.5129	0.4758	0.4297
0.775	0.6298	0.6022	0.5718	0.5362	0.4913
0.800	0.6843	0.6590	0.6309	0.5975	0.5547
0.825	0.7372	0.7147	0.6894	0.6590	0.6195
0.850	0.7890	0.7687	0.7467	0.7201	0.6848
0.875	0.8362	0.8203	0.8021	0.7798	0.7497
0.900	0.8810	0.8658	0.9032	0.8906	0.8733
0.925	0.9216	0.9131	0.9032	0.9385	0.9281
0.950	0.9567	0.9518	0.9459	0.9385	0.9281
0.975	0.9845	0.9826	0.9804	0.9775	0.9735
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0,

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9929	0.9951	0.9977	0.9999	1.0000
0.050	0.9797	0.9858	0.9932	0.9996	1.0000
0.075	0.9622	0.9734	0.9870	0.9993	1.0000
0.100	0.9409	0.9581	0.9792	0.9988	1.0000
0.125	0.9164	0.9401	0.9699	0.9983	1.0000
0.150	0.8886	0.9195	0.9589	0.9976	0.9999
0.175	0.8579	0.8962	0.9463	0.9968	0.9999
0.200	0.8242	0.8703	0.9318	0.9959	0.9999
0.225	0.7577	0.8417	0.9155	0.9948	0.9999
0.250	0.7485	0.8103	0.8970	0.9935	0.9998
0.275	0.7066	0.7762	0.8764	0.9919	0.9998
0.300	0.6622	0.7393	0.8534	0.9901	0.9997
0.325	0.6154	0.6996	0.8278	0.9880	0.9997
0.350	0.5663	0.6570	0.7994	0.9856	0.9996
0.375	0.5152	0.6115	0.7680	0.9827	0.9995
0.400	0.4622	0.5632	0.7334	0.9794	0.9994
0.425	0.4076	0.5122	0.6953	0.9755	0.9993
0.450	0.3519	0.4536	0.6534	0.9708	0.9991
0.475	0.2955	0.4026	0.6076	0.9653	0.9989
0.500	0.2391	0.3446	0.5576	0.9588	0.9987
0.525	0.1933	0.2551	0.5032	0.9510	0.9985
0.550	0.1586	0.2303	0.4443	0.9417	0.9981
0.575	0.1341	0.1848	0.3810	0.9303	0.9978
0.600	0.1214	0.1476	0.3153	0.9166	0.9973
0.625	0.1257	0.1210	0.2529	0.8997	0.9966
0.650	0.1607	0.1104	0.1938	0.8789	0.9958
0.675	0.2059	0.1332	0.1409	0.8529	0.9948
0.700	0.2556	0.1750	0.1008	0.8200	0.9934
0.725	0.3095	0.2224	0.0941	0.7782	0.9916
0.750	0.3575	0.2755	0.1300	0.7241	0.9890
0.775	0.4203	0.3343	0.1735	0.6541	0.9854
0.800	0.4945	0.3989	0.2257	0.5627	0.9800
0.825	0.5526	0.4692	0.2878	0.4425	0.9718
0.850	0.6330	0.5448	0.3611	0.2866	0.9584
0.875	0.7047	0.6253	0.4471	0.1045	0.9352
0.900	0.7764	0.7093	0.5467	0.0489	0.8905
0.925	0.8462	0.7949	0.6599	0.0935	0.7918
0.950	0.9113	0.8785	0.7842	0.1900	0.5265
0.975	0.9560	0.9531	0.9101	0.4296	0.0265
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ....... D2/R =00.00   AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9926	0.9932	0.9939	0.9945	0.9952
0.050	0.9791	0.9809	0.9827	0.9845	0.9865
0.075	0.9625	0.9654	0.9683	0.9715	0.9751
0.100	0.9512	0.9544	0.9576	0.9612	0.9652
0.125	0.9429	0.9463	0.9498	0.9536	0.9581
0.150	0.9360	0.9396	0.9432	0.9473	0.9520
0.175	0.9303	0.9338	0.9375	0.9417	0.9467
0.200	0.9253	0.9288	0.9325	0.9367	0.9418
0.225	0.9210	0.9244	0.9280	0.9322	0.9373
0.250	0.9173	0.9205	0.9240	0.9281	0.9331
0.275	0.9140	0.9170	0.9204	0.9243	0.9292
0.300	0.9112	0.9140	0.9171	0.9208	0.9255
0.325	0.9087	0.9113	0.9142	0.9176	0.9221
0.350	0.9067	0.9089	0.9115	0.9147	0.9189
0.375	0.9049	0.9069	0.9092	0.9121	0.9160
0.400	0.9036	0.9052	0.9071	0.9097	0.9132
0.425	0.9025	0.9038	0.9054	0.9075	0.9107
0.450	0.9017	0.9026	0.9039	0.9057	0.9083
0.475	0.9013	0.9018	0.9027	0.9040	0.9062
0.500	0.9011	0.9013	0.9018	0.9027	0.9044
0.525	0.9013	0.9011	0.9011	0.9016	0.9027
0.550	0.9017	0.9011	0.9008	0.9008	0.9014
0.575	0.9025	0.9015	0.9008	0.9003	0.9003
0.600	0.9036	0.9022	0.9011	0.9001	0.8995
0.625	0.9049	0.9032	0.9017	0.9003	0.8991
0.650	0.9067	0.9046	0.9027	0.9008	0.8990
0.675	0.9087	0.9064	0.9040	0.9017	0.8993
0.700	0.9112	0.9085	0.9058	0.9031	0.9001
0.725	0.9140	0.9110	0.9081	0.9049	0.9014
0.750	0.9173	0.9141	0.9108	0.9073	0.9032
0.775	0.9210	0.9176	0.9141	0.9103	0.9057
0.800	0.9253	0.9218	0.9181	0.9139	0.9090
0.825	0.9303	0.9267	0.9229	0.9185	0.9132
0.850	0.9360	0.9324	0.9286	0.9241	0.9185
0.875	0.9429	0.9393	0.9355	0.9310	0.9254
0.900	0.9512	0.9479	0.9442	0.9399	0.9344
0.925	0.9625	0.9595	0.9561	0.9521	0.9470
0.950	0.9791	0.9772	0.9750	0.9722	0.9684
0.975	0.9926	0.9919	0.9910	0.9900	0.9886
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ....... D2/R =00.00  AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9961	0.9971	0.9985	0.9999	1.0000
0.050	0.9888	0.9918	0.9956	0.9997	1.0000
0.075	0.9793	0.9846	0.9916	0.9994	1.0000
0.100	0.9703	0.9770	0.9869	0.9990	1.0000
0.125	0.9637	0.9715	0.9830	0.9986	1.0000
0.150	0.9561	0.9666	0.9797	0.9982	0.9999
0.175	0.9531	0.9621	0.9765	0.9978	0.9999
0.200	0.9484	0.9579	0.9734	0.9973	0.9999
0.225	0.9440	0.9539	0.9703	0.9969	0.9999
0.250	0.9398	0.9499	0.9672	0.9964	0.9999
0.275	0.9359	0.9461	0.9641	0.9959	0.9998
0.300	0.9321	0.9424	0.9609	0.9954	0.9998
0.325	0.9285	0.9387	0.9576	0.9943	0.9998
0.350	0.9250	0.9350	0.9543	0.9941	0.9998
0.375	0.9217	0.9314	0.9508	0.9934	0.9997
0.400	0.9186	0.9279	0.9473	0.9926	0.9997
0.425	0.9156	0.9244	0.9436	0.9916	0.9996
0.450	0.9127	0.9210	0.9399	0.9906	0.9996
0.475	0.9100	0.9176	0.9360	0.9894	0.9995
0.500	0.9076	0.9144	0.9321	0.9881	0.9994
0.525	0.9053	0.9112	0.9280	0.9866	0.9994
0.550	0.9032	0.9081	0.9238	0.9849	0.9993
0.575	0.9014	0.9052	0.9195	0.9829	0.9991
0.600	0.8998	0.9025	0.9152	0.9806	0.9990
0.625	0.8985	0.9000	0.9105	0.9779	0.9988
0.650	0.8976	0.8973	0.9064	0.9748	0.9986
0.675	0.8970	0.8958	0.9020	0.9712	0.9983
0.700	0.8969	0.8943	0.8977	0.9668	0.9979
0.725	0.8973	0.8932	0.8936	0.9617	0.9974
0.750	0.8983	0.8927	0.8898	0.9555	0.9967
0.775	0.9001	0.8929	0.8864	0.9481	0.9959
0.800	0.9026	0.8939	0.8838	0.9391	0.9946
0.825	0.9062	0.8962	0.8821	0.9281	0.9928
0.850	0.9110	0.8998	0.8820	0.9147	0.9901
0.875	0.9176	0.9055	0.8840	0.8985	0.9858
0.900	0.9266	0.9139	0.8894	0.8792	0.9785
0.925	0.9395	0.9269	0.9005	0.8578	0.9649
0.950	0.9625	0.9513	0.9231	0.8393	0.9364
0.975	0.9863	0.9820	0.9697	0.8532	0.8688
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY .... D2/R =25.00 AND H/R = 0.

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9927	0.9934	0.9940	0.9946	0.9953
0.050	0.9796	0.9813	0.9830	0.9848	0.9867
0.075	0.9670	0.9693	0.9716	0.9741	0.9769
0.100	0.9591	0.9616	0.9642	0.9671	0.9704
0.125	0.9528	0.9556	0.9584	0.9615	0.9651
0.150	0.9477	0.9505	0.9534	0.9566	0.9605
0.175	0.9432	0.9461	0.9490	0.9523	0.9563
0.200	0.9394	0.9422	0.9451	0.9485	0.9525
0.225	0.9361	0.9388	0.9417	0.9450	0.9490
0.250	0.9332	0.9357	0.9385	0.9417	0.9457
0.275	0.9306	0.9330	0.9357	0.9388	0.9427
0.300	0.9284	0.9306	0.9331	0.9361	0.9398
0.325	0.9265	0.9265	0.9308	0.9336	0.9371
0.350	0.9249	0.9267	0.9287	0.9313	0.9346
0.375	0.9236	0.9251	0.9269	0.9292	0.9323
0.400	0.9225	0.9237	0.9253	0.9273	0.9301
0.425	0.9216	0.9226	0.9239	0.9256	0.9281
0.450	0.9210	0.9218	0.9227	0.9241	0.9262
0.475	0.9207	0.9211	0.9218	0.9229	0.9246
0.500	0.9206	0.9207	0.9211	0.9218	0.9231
0.525	0.9207	0.9205	0.9206	0.9209	0.9218
0.550	0.9210	0.9206	0.9203	0.9203	0.9208
0.575	0.9216	0.9209	0.9203	0.9199	0.9199
0.600	0.9225	0.9214	0.9205	0.9198	0.9193
0.625	0.9236	0.9222	0.9210	0.9199	0.9189
0.650	0.9249	0.9233	0.9218	0.9203	0.9189
0.675	0.9265	0.9246	0.9228	0.9210	0.9191
0.700	0.9284	0.9263	0.9242	0.9220	0.9197
0.725	0.9306	0.9283	0.9260	0.9235	0.9207
0.750	0.9332	0.9307	0.9281	0.9253	0.9221
0.775	0.9361	0.9334	0.9307	0.9276	0.9240
0.800	0.9394	0.9366	0.9337	0.9304	0.9265
0.825	0.9432	0.9404	0.9374	0.9339	0.9297
0.850	0.9477	0.9448	0.9417	0.9382	0.9338
0.875	0.9523	0.9500	0.9470	0.9434	0.9390
0.900	0.9591	0.9564	0.9535	0.9500	0.9457
0.925	0.9670	0.9646	0.9620	0.9588	0.9547
0.950	0.9796	0.9777	0.9755	0.9728	0.9691
0.975	0.9927	0.9920	0.9912	0.9902	0.9888
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY .... D2/R = 25.00 AND H/R = 0,

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9962	0.9972	0.9985	0.9999	1.0000
0.050	0.9890	0.9919	0.9956	0.9997	1.0000
0.075	0.9804	0.9851	0.9918	0.9994	1.0000
0.100	0.9745	0.9800	0.9882	0.9990	1.0000
0.125	0.9696	0.9759	0.9855	0.9987	1.0000
0.150	0.9653	0.9722	0.9829	0.9984	0.9999
0.175	0.9614	0.9687	0.9804	0.9981	0.9999
0.200	0.9578	0.9654	0.9780	0.9977	0.9999
0.225	0.9544	0.9623	0.9755	0.9974	0.9999
0.250	0.9511	0.9592	0.9731	0.9970	0.9999
0.275	0.9480	0.9561	0.9706	0.9966	0.9999
0.300	0.9450	0.9532	0.9680	0.9961	0.9998
0.325	0.9422	0.9502	0.9654	0.9956	0.9998
0.350	0.9394	0.9474	0.9627	0.9951	0.9998
0.375	0.9360	0.9445	0.9600	0.9945	0.9998
0.400	0.9343	0.9417	0.9572	0.9938	0.9997
0.425	0.9320	0.9390	0.9543	0.9931	0.9997
0.450	0.9297	0.9362	0.9513	0.9922	0.9996
0.475	0.9276	0.9336	0.9482	0.9913	0.9996
0.500	0.9256	0.9310	0.9451	0.9902	0.9995
0.525	0.9238	0.9285	0.9418	0.9889	0.9995
0.550	0.9222	0.9261	0.9385	0.9875	0.9994
0.575	0.9207	0.9238	0.9351	0.9859	0.9993
0.600	0.9195	0.9217	0.9317	0.9840	0.9991
0.625	0.9185	0.9197	0.9282	0.9819	0.9990
0.650	0.9178	0.9179	0.9247	0.9794	0.9988
0.675	0.9173	0.9164	0.9212	0.9764	0.9985
0.700	0.9172	0.9151	0.9179	0.9729	0.9982
0.725	0.9175	0.9143	0.9146	0.9688	0.9978
0.750	0.9183	0.9136	0.9116	0.9638	0.9973
0.775	0.9196	0.9139	0.9089	0.9579	0.9965
0.800	0.9215	0.9147	0.9068	0.9507	0.9955
0.825	0.9242	0.9164	0.9054	0.9419	0.9940
0.850	0.9279	0.9191	0.9052	0.9313	0.9918
0.875	0.9328	0.9233	0.9066	0.9185	0.9883
0.900	0.9395	0.9295	0.9105	0.9032	0.9824
0.925	0.9488	0.9389	0.9183	0.8864	0.9714
0.950	0.9636	0.9543	0.9337	0.8718	0.9486
0.975	0.9866	0.9825	0.9705	0.8788	0.8951
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ....... D2/R = 1.00  AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9038	0.9243	0.9405	0.9542	0.9663
0.050	0.7419	0.7926	0.8343	0.8705	0.9032
0.075	0.5540	0.6333	0.7014	0.7627	0.8199
0.100	0.1141	0.3976	0.5519	0.6372	0.7200
0.125	0.	0.0313	0.2637	0.4850	0.6063
0.150	0.	0.	0.0055	0.2100	0.4511
0.175	0.	0.	0.	0.0040	0.2217
0.200	0.	0.	0.	0.	0.0274
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.1141	0.	0.	0.	0.
0.925	0.5540	0.3438	0.	0.	0.
0.950	0.7419	0.6764	0.5843	0.	0.
0.975	0.9038	0.8760	0.8344	0.7626	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9772	0.9871	0.9954	0.9999	1.0000
0.050	0.9337	0.9620	0.9862	0.9996	1.0000
0.075	0.8746	0.9272	0.9732	0.9991	1.0000
0.100	0.8020	0.8830	0.9563	0.9986	1.0000
0.125	0.7164	0.8293	0.9352	0.9979	0.9999
0.150	0.6190	0.7660	0.9096	0.9970	0.9999
0.175	0.4983	0.6927	0.8789	0.9960	0.9999
0.200	0.3096	0.6094	0.8424	0.9947	0.9999
0.225	0.1210	0.5017	0.7996	0.9932	0.9998
0.250	0.	0.3492	0.7494	0.9914	0.9998
0.275	0.	0.1862	0.6911	0.9892	0.9998
0.300	0.	0.0382	0.6237	0.9867	0.9997
0.325	0.	0.	0.5370	0.9836	0.9996
0.350	0.	0.	0.4181	0.9799	0.9995
0.375	0.	0.	0.2818	0.9755	0.9994
0.400	0.	0.	0.1354	0.9702	0.9993
0.425	0.	0.	0.0104	0.9638	0.9992
0.450	0.	0.	0.	0.9560	0.9990
0.475	0.	0.	0.	0.9464	0.9988
0.500	0.	0.	0.	0.9346	0.9986
0.525	0.	0.	0.	0.9199	0.9983
0.550	0.	0.	0.	0.9014	0.9979
0.575	0.	0.	0.	0.8779	0.9974
0.600	0.	0.	0.	0.8477	0.9968
0.625	0.	0.	0.	0.8083	0.9961
0.650	0.	0.	0.	0.7562	0.9951
0.675	0.	0.	0.	0.6861	0.9937
0.700	0.	0.	0.	0.5784	0.9919
0.725	0.	0.	0.	0.4156	0.9895
0.750	0.	0.	0.	0.1862	0.9859
0.775	0.	0.	0.	0.	0.9806
0.800	0.	0.	0.	0.	0.9724
0.825	0.	0.	0.	0.	0.9590
0.850	0.	0.	0.	0.	0.9351
0.875	0.	0.	0.	0.	0.8883
0.900	0.	0.	0.	0.	0.7817
0.925	0.	0.	0.	0.	0.4403
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

341

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ...... D2/R = 5.00  AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9757	0.9787	0.9815	0.9843	0.9871
0.050	0.9325	0.9405	0.9480	0.9554	0.9631
0.075	0.8783	0.8920	0.9050	0.9180	0.9317
0.100	0.8165	0.8360	0.8548	0.8738	0.8941
0.125	0.7490	0.7741	0.7986	0.8237	0.8509
0.150	0.6775	0.7078	0.7376	0.7687	0.8028
0.175	0.6033	0.6380	0.6727	0.7094	0.7502
0.200	0.5275	0.5658	0.6047	0.6463	0.6934
0.225	0.4408	0.4897	0.5344	0.5802	0.6330
0.250	0.3492	0.4000	0.4530	0.5111	0.5693
0.275	0.2609	0.3117	0.3660	0.4270	0.4993
0.300	0.1785	0.2268	0.2802	0.3421	0.4177
0.325	0.1047	0.1479	0.1979	0.2582	0.3346
0.350	0.0437	0.0784	0.1219	0.1775	0.2516
0.375	0.0034	0.0237	0.0564	0.1034	0.1712
0.400	0.	0.	0.0090	0.0408	0.0969
0.425	0.	0.	0.	0.0011	0.0346
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.0034	0.	0.	0.	0.
0.650	0.0437	0.0167	0.0003	0.	0.
0.675	0.1047	0.0665	0.0328	0.0062	0.
0.700	0.1785	0.1332	0.0894	0.0473	0.0103
0.725	0.2609	0.2114	0.1612	0.1038	0.0544
0.750	0.3492	0.2980	0.2442	0.1852	0.1188
0.775	0.4408	0.3904	0.3357	0.2734	0.1991
0.800	0.5275	0.4862	0.4332	0.3709	0.2931
0.825	0.6033	0.5666	0.5257	0.4753	0.3984
0.850	0.6775	0.6450	0.6082	0.5634	0.5048
0.875	0.7490	0.7217	0.6901	0.6511	0.5986
0.900	0.8165	0.7950	0.7697	0.7380	0.6942
0.925	0.8783	0.8630	0.8448	0.8215	0.7885
0.950	0.9325	0.9234	0.9128	0.8982	0.8775
0.975	0.9757	0.9722	0.9679	0.9623	0.9539
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9901	0.9935	0.9971	0.9999	1.0000
0.050	0.9716	0.9810	0.9915	0.9996	1.0000
0.075	0.9469	0.9642	0.9836	0.9992	1.0000
0.100	0.9168	0.9433	0.9738	0.9988	1.0000
0.125	0.8819	0.9185	0.9618	0.9982	1.0000
0.150	0.8423	0.8900	0.9475	0.9974	0.9999
0.175	0.7982	0.8575	0.9309	0.9965	0.9999
0.200	0.7499	0.8211	0.9118	0.9955	0.9999
0.225	0.6974	0.7806	0.8898	0.9943	0.9998
0.250	0.6411	0.7361	0.8649	0.9928	0.9998
0.275	0.5811	0.6874	0.8367	0.9911	0.9998
0.300	0.5152	0.6346	0.8048	0.9890	0.9997
0.325	0.4370	0.5776	0.7691	0.9867	0.9996
0.350	0.3559	0.5115	0.7291	0.9839	0.9996
0.375	0.2733	0.4356	0.6844	0.9805	0.9995
0.400	0.1914	0.3553	0.6346	0.9766	0.9994
0.425	0.1136	0.2719	0.5795	0.9720	0.9992
0.450	0.0456	0.1876	0.5104	0.9664	0.9991
0.475	0.0011	0.1063	0.4331	0.9598	0.9989
0.500	0.	0.0357	0.3484	0.9519	0.9987
0.525	0.	0.	0.2572	0.9422	0.9984
0.550	0.	0.	0.1625	0.9305	0.9981
0.575	0.	0.	0.0712	0.9161	0.9976
0.600	0.	0.	0.0033	0.8983	0.9971
0.625	0.	0.	0.	0.8760	0.9964
0.650	0.	0.	0.	0.8479	0.9956
0.675	0.	0.	0.	0.8120	0.9944
0.700	0.	0.	0.	0.7655	0.9929
0.725	0.0060	0.	0.	0.7046	0.9909
0.750	0.0459	0.	0.	0.6204	0.9880
0.775	0.1088	0.0130	0.	0.4980	0.9838
0.800	0.1910	0.0606	0.	0.3292	0.9776
0.825	0.2910	0.1349	0.	0.1117	0.9679
0.850	0.4072	0.2361	0.0052	0.	0.9515
0.875	0.5204	0.3655	0.0546	0.	0.9219
0.900	0.6264	0.5035	0.1585	0.	0.8616
0.925	0.7357	0.6332	0.3422	0.	0.7176
0.950	0.8431	0.7719	0.5546	0.	0.2334
0.975	0.9394	0.9073	0.7890	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9850	0.9866	0.9881	0.9896	0.9913
0.050	0.9580	0.9623	0.9664	0.9706	0.9751
0.075	0.9239	0.9314	0.9386	0.9460	0.9540
0.100	0.8845	0.8954	0.9059	0.9168	0.9287
0.125	0.8410	0.8552	0.8692	0.8837	0.8997
0.150	0.7941	0.8116	0.8290	0.8472	0.8675
0.175	0.7447	0.7652	0.7858	0.8076	0.8321
0.200	0.6931	0.7165	0.7401	0.7653	0.7940
0.225	0.6400	0.6658	0.6921	0.7205	0.7531
0.250	0.5858	0.6137	0.6423	0.6736	0.7098
0.275	0.5310	0.5604	0.5910	0.6247	0.6643
0.300	0.4735	0.5065	0.5385	0.5742	0.6166
0.325	0.4129	0.4468	0.4828	0.5224	0.5672
0.350	0.3531	0.3871	0.4235	0.4650	0.5155
0.375	0.2943	0.3281	0.3643	0.4062	0.4579
0.400	0.2385	0.2704	0.3057	0.3471	0.3992
0.425	0.1850	0.2148	0.2483	0.2884	0.3399
0.450	0.1352	0.1620	0.1930	0.2309	0.2806
0.475	0.1083	0.1213	0.1420	0.1754	0.2221
0.500	0.1003	0.1032	0.1126	0.1312	0.1657
0.525	0.1083	0.1011	0.1000	0.1068	0.1266
0.550	0.1352	0.1162	0.1036	0.0979	0.1031
0.575	0.1850	0.1571	0.1296	0.1071	0.0955
0.600	0.2385	0.2081	0.1776	0.1454	0.1103
0.625	0.2948	0.2625	0.2296	0.1942	0.1543
0.650	0.3531	0.3197	0.2851	0.2472	0.2034
0.675	0.4129	0.3791	0.3435	0.3038	0.2570
0.700	0.4735	0.4400	0.4042	0.3637	0.3149
0.725	0.5310	0.5011	0.4666	0.4261	0.3764
0.750	0.5858	0.5572	0.5260	0.4899	0.4412
0.775	0.6400	0.6132	0.5838	0.5491	0.5053
0.800	0.6931	0.6686	0.6414	0.6091	0.5675
0.825	0.7447	0.7229	0.6985	0.6691	0.6308
0.850	0.7941	0.7755	0.7543	0.7286	0.6945
0.875	0.8410	0.8257	0.8082	0.7866	0.7577
0.900	0.8845	0.8728	0.8592	0.8423	0.8193
0.925	0.9239	0.9158	0.9062	0.8942	0.8776
0.950	0.9580	0.9533	0.9477	0.9406	0.9306
0.975	0.9850	0.9832	0.9810	0.9783	0.9744
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE. D=  15.00 DEGREES
GEOMETRY ....... D2/R =10.00  AND H/R = 0.5

BETA = ANGLE OF INCIDENCE. DEGREES
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BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9931	0.9952	0.9977	0.9999	1.0000
0.050	0.9802	0.9861	0.9933	0.9996	1.0000
0.075	0.9631	0.9740	0.9872	0.9993	1.0000
0.100	0.9424	0.9590	0.9796	0.9989	1.0000
0.125	0.9184	0.9414	0.9704	0.9983	1.0000
0.150	0.8914	0.9213	0.9597	0.9976	0.9999
0.175	0.8614	0.8985	0.9473	0.9968	0.9999
0.200	0.8296	0.8732	0.9331	0.9959	0.9999
0.225	0.7930	0.8453	0.9171	0.9948	0.9999
0.250	0.7548	0.8149	0.8991	0.9935	0.9998
0.275	0.7140	0.7815	0.8789	0.9920	0.9998
0.300	0.6708	0.7456	0.8564	0.9902	0.9997
0.325	0.6251	0.7069	0.8314	0.9881	0.9997
0.350	0.5773	0.6654	0.8037	0.9857	0.9996
0.375	0.5269	0.6211	0.7732	0.9829	0.9995
0.400	0.4702	0.5741	0.7394	0.9796	0.9994
0.425	0.4116	0.5223	0.7023	0.9757	0.9993
0.450	0.3517	0.4651	0.6616	0.9711	0.9991
0.475	0.2910	0.4052	0.6171	0.9657	0.9989
0.500	0.2304	0.3429	0.5678	0.9593	0.9987
0.525	0.1723	0.2789	0.5104	0.9516	0.9985
0.550	0.1304	0.2143	0.4478	0.9424	0.9982
0.575	0.1076	0.1597	0.3802	0.9313	0.9978
0.600	0.0911	0.1173	0.3079	0.9178	0.9973
0.625	0.1074	0.0894	0.2349	0.9013	0.9966
0.650	0.1572	0.0954	0.1680	0.8810	0.9959
0.675	0.1984	0.1217	0.1098	0.8556	0.9948
0.700	0.2521	0.1662	0.0702	0.8236	0.9935
0.725	0.3108	0.2171	0.0826	0.7829	0.9916
0.750	0.3743	0.2748	0.1198	0.7304	0.9891
0.775	0.4422	0.3394	0.1660	0.6619	0.9855
0.800	0.5089	0.4109	0.2225	0.5659	0.9802
0.825	0.5767	0.4848	0.2910	0.4373	0.9721
0.850	0.6445	0.5591	0.3734	0.2678	0.9589
0.875	0.7143	0.6378	0.4649	0.0721	0.9359
0.900	0.7840	0.7196	0.5630	0.0399	0.8921
0.925	0.8517	0.8027	0.6736	0.0842	0.7957
0.950	0.9145	0.8834	0.7939	0.1907	0.5257
0.975	0.9581	0.9551	0.9147	0.4605	0.0195
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 20.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9926	0.9932	0.9939	0.9945	0.9952
0.050	0.9792	0.9809	0.9827	0.9845	0.9865
0.075	0.9620	0.9652	0.9683	0.9715	0.9751
0.100	0.9494	0.9527	0.9561	0.9598	0.9641
0.125	0.9405	0.9441	0.9477	0.9517	0.9564
0.150	0.9334	0.9371	0.9409	0.9451	0.9501
0.175	0.9275	0.9312	0.9350	0.9393	0.9445
0.200	0.9225	0.9261	0.9299	0.9342	0.9394
0.225	0.9182	0.9217	0.9254	0.9297	0.9349
0.250	0.9146	0.9178	0.9214	0.9256	0.9307
0.275	0.9114	0.9145	0.9179	0.9218	0.9268
0.300	0.9088	0.9116	0.9147	0.9185	0.9232
0.325	0.9066	0.9091	0.9120	0.9154	0.9199
0.350	0.9048	0.9070	0.9095	0.9127	0.9169
0.375	0.9033	0.9052	0.9074	0.9102	0.9140
0.400	0.9023	0.9037	0.9056	0.9081	0.9115
0.425	0.9015	0.9026	0.9041	0.9062	0.9091
0.450	0.9011	0.9018	0.9029	0.9046	0.9071
0.475	0.9008	0.9013	0.9020	0.9032	0.9052
0.500	0.9007	0.9008	0.9013	0.9022	0.9037
0.525	0.9008	0.9006	0.9006	0.9011	0.9023
0.550	0.9011	0.9006	0.9003	0.9003	0.9009
0.575	0.9015	0.9006	0.9000	0.8998	0.8998
0.600	0.9023	0.9010	0.9000	0.8992	0.8989
0.625	0.9033	0.9017	0.9003	0.8990	0.8981
0.650	0.9048	0.9028	0.9010	0.8992	0.8976
0.675	0.9066	0.9043	0.9020	0.8998	0.8976
0.700	0.9088	0.9062	0.9036	0.9009	0.8980
0.725	0.9114	0.9085	0.9055	0.9024	0.8990
0.750	0.9146	0.9114	0.9081	0.9045	0.9005
0.775	0.9182	0.9148	0.9112	0.9073	0.9028
0.800	0.9225	0.9189	0.9151	0.9109	0.9058
0.825	0.9275	0.9235	0.9199	0.9154	0.9099
0.850	0.9334	0.9297	0.9257	0.9210	0.9153
0.875	0.9405	0.9365	0.9329	0.9282	0.9223
0.900	0.9494	0.9459	0.9421	0.9376	0.9318
0.925	0.9620	0.9598	0.9552	0.9509	0.9454
0.950	0.9792	0.9772	0.9750	0.9722	0.9684
0.975	0.9926	0.9919	0.9910	0.9900	0.9886
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9961	0.9971	0.9985	0.9999	1.0000
0.050	0.9888	0.9918	0.9956	0.9997	1.0000
0.075	0.9793	0.9846	0.9916	0.9994	1.0000
0.100	0.9684	0.9764	0.9868	0.9990	1.0000
0.125	0.9623	0.9704	0.9825	0.9986	1.0000
0.150	0.9544	0.9652	0.9789	0.9981	0.9999
0.175	0.9511	0.9606	0.9755	0.9977	0.9999
0.200	0.9463	0.9562	0.9723	0.9972	0.9999
0.225	0.9418	0.9520	0.9691	0.9968	0.9999
0.250	0.9376	0.9480	0.9659	0.9963	0.9999
0.275	0.9336	0.9441	0.9626	0.9958	0.9998
0.300	0.9299	0.9403	0.9594	0.9952	0.9998
0.325	0.9263	0.9366	0.9560	0.9946	0.9998
0.350	0.9229	0.9330	0.9526	0.9939	0.9998
0.375	0.9198	0.9295	0.9492	0.9931	0.9997
0.400	0.9167	0.9260	0.9456	0.9922	0.9997
0.425	0.9139	0.9226	0.9420	0.9913	0.9996
0.450	0.9113	0.9193	0.9382	0.9902	0.9996
0.475	0.9088	0.9162	0.9344	0.9890	0.9995
0.500	0.9066	0.9131	0.9305	0.9876	0.9994
0.525	0.9046	0.9102	0.9265	0.9861	0.9993
0.550	0.9027	0.9074	0.9225	0.9843	0.9992
0.575	0.9009	0.9047	0.9184	0.9823	0.9991
0.600	0.8993	0.9021	0.9142	0.9799	0.9989
0.625	0.8978	0.8995	0.9101	0.9772	0.9987
0.650	0.8965	0.8972	0.9060	0.9740	0.9985
0.675	0.8956	0.8948	0.9015	0.9703	0.9982
0.700	0.8951	0.8928	0.8972	0.9659	0.9978
0.725	0.8951	0.8913	0.8927	0.9607	0.9973
0.750	0.8958	0.8903	0.8864	0.9545	0.9966
0.775	0.8971	0.8901	0.8845	0.9471	0.9957
0.800	0.8994	0.8908	0.8812	0.9382	0.9944
0.825	0.9028	0.8927	0.8790	0.9274	0.9926
0.850	0.9076	0.8951	0.8782	0.9143	0.9898
0.875	0.9142	0.9017	0.8798	0.8979	0.9854
0.900	0.9236	0.9104	0.8850	0.8778	0.9779
0.925	0.9375	0.9242	0.8964	0.8546	0.9642
0.950	0.9625	0.9514	0.9214	0.8343	0.9357
0.975	0.9863	0.9820	0.9697	0.8476	0.8671
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ....... D2/R = 25.00  AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9927	0.9934	0.9940	0.9946	0.9953
0.050	0.9796	0.9813	0.9830	0.9848	0.9868
0.075	0.9658	0.9682	0.9707	0.9733	0.9763
0.100	0.9573	0.9600	0.9627	0.9657	0.9692
0.125	0.9508	0.9536	0.9566	0.9598	0.9635
0.150	0.9454	0.9483	0.9514	0.9547	0.9587
0.175	0.9409	0.9438	0.9469	0.9503	0.9544
0.200	0.9371	0.9400	0.9430	0.9464	0.9506
0.225	0.9338	0.9366	0.9395	0.9429	0.9470
0.250	0.9310	0.9336	0.9364	0.9397	0.9437
0.275	0.9286	0.9310	0.9337	0.9368	0.9407
0.300	0.9265	0.9287	0.9312	0.9341	0.9379
0.325	0.9248	0.9268	0.9290	0.9318	0.9353
0.350	0.9234	0.9251	0.9271	0.9296	0.9329
0.375	0.9223	0.9237	0.9255	0.9277	0.9307
0.400	0.9214	0.9226	0.9241	0.9260	0.9287
0.425	0.9208	0.9217	0.9229	0.9245	0.9269
0.450	0.9205	0.9211	0.9220	0.9233	0.9252
0.475	0.9204	0.9207	0.9213	0.9222	0.9238
0.500	0.9203	0.9204	0.9206	0.9214	0.9226
0.525	0.9204	0.9202	0.9202	0.9206	0.9215
0.550	0.9205	0.9201	0.9200	0.9200	0.9205
0.575	0.9208	0.9202	0.9197	0.9195	0.9196
0.600	0.9214	0.9205	0.9197	0.9191	0.9188
0.625	0.9223	0.9210	0.9199	0.9189	0.9181
0.650	0.9234	0.9219	0.9204	0.9190	0.9178
0.675	0.9248	0.9230	0.9212	0.9195	0.9177
0.700	0.9265	0.9245	0.9224	0.9203	0.9181
0.725	0.9286	0.9263	0.9239	0.9215	0.9188
0.750	0.9310	0.9285	0.9259	0.9231	0.9199
0.775	0.9338	0.9311	0.9283	0.9252	0.9217
0.800	0.9371	0.9343	0.9313	0.9280	0.9240
0.825	0.9409	0.9380	0.9349	0.9314	0.9271
0.850	0.9454	0.9425	0.9393	0.9356	0.9311
0.875	0.9508	0.9479	0.9447	0.9410	0.9364
0.900	0.9573	0.9545	0.9515	0.9479	0.9433
0.925	0.9658	0.9633	0.9605	0.9572	0.9529
0.950	0.9796	0.9777	0.9755	0.9728	0.9691
0.975	0.9927	0.9920	0.9912	0.9902	0.9888
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 0.5

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9862	0.9972	0.9985	0.9999	1.0000
0.050	0.9690	0.9919	0.9956	0.9997	1.0000
0.075	0.9500	0.9849	0.9918	0.9994	1.0000
0.100	0.9735	0.9793	0.9879	0.9990	1.0000
0.125	0.9683	0.9749	0.9849	0.9987	1.0000
0.150	0.9638	0.9710	0.9821	0.9983	0.9999
0.175	0.9598	0.9674	0.9795	0.9980	0.9999
0.200	0.9560	0.9640	0.9770	0.9976	0.9999
0.225	0.9525	0.9607	0.9744	0.9973	0.9999
0.250	0.9492	0.9576	0.9719	0.9969	0.9999
0.275	0.9461	0.9545	0.9693	0.9964	0.9999
0.300	0.9432	0.9515	0.9667	0.9960	0.9998
0.325	0.9404	0.9486	0.9641	0.9954	0.9998
0.350	0.9377	0.9457	0.9614	0.9949	0.9998
0.375	0.9352	0.9429	0.9586	0.9942	0.9998
0.400	0.9329	0.9402	0.9558	0.9935	0.9997
0.425	0.9306	0.9375	0.9529	0.9928	0.9997
0.450	0.9286	0.9349	0.9500	0.9919	0.9996
0.475	0.9266	0.9324	0.9469	0.9909	0.9996
0.500	0.9249	0.9300	0.9438	0.9898	0.9995
0.525	0.9233	0.9277	0.9407	0.9885	0.9994
0.550	0.9219	0.9255	0.9375	0.9870	0.9993
0.575	0.9204	0.9234	0.9342	0.9354	0.9992
0.600	0.9192	0.9214	0.9309	0.9835	0.9991
0.625	0.9179	0.9194	0.9276	0.9813	0.9989
0.650	0.9169	0.9174	0.9244	0.9787	0.9987
0.675	0.9162	0.9156	0.9209	0.9757	0.9985
0.700	0.9157	0.9140	0.9175	0.9722	0.9981
0.725	0.9157	0.9128	0.9140	0.9680	0.9977
0.750	0.9162	0.9120	0.9105	0.9630	0.9972
0.775	0.9172	0.9118	0.9074	0.9571	0.9964
0.800	0.9189	0.9122	0.9048	0.9499	0.9953
0.825	0.9215	0.9136	0.9030	0.9413	0.9938
0.850	0.9251	0.9161	0.9022	0.9310	0.9915
0.875	0.9300	0.9202	0.9032	0.9181	0.9879
0.900	0.9368	0.9265	0.9068	0.9022	0.9819
0.925	0.9467	0.9363	0.9148	0.8839	0.9708
0.950	0.9634	0.9532	0.9312	0.8674	0.9480
0.975	0.9866	0.9825	0.9706	0.8737	0.8938
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9316	0.9442	0.9548	0.9641	0.9728
0.050	0.8142	0.8462	0.8736	0.8985	0.9219
0.075	0.6736	0.7254	0.7711	0.8137	0.8548
0.100	0.5222	0.5910	0.6540	0.7143	0.7743
0.125	0.	0.	0.5273	0.6037	0.6822
0.150	0.	0.	0.	0.3802	0.5805
0.175	0.	0.	0.	0.	0.3457
0.200	0.	0.	0.	0.	0.0101
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.5222	0.	0.	0.	0.
0.925	0.6736	0.6119	0.	0.	0.
0.950	0.8142	0.7746	0.7219	0.	0.
0.975	0.9316	0.9154	0.8930	0.8580	0.
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9810	0.9888	0.9958	0.9999	1.0000
0.050	0.9447	0.9671	0.9874	0.9996	1.0000
0.075	0.8959	0.9371	0.9757	0.9991	1.0000
0.100	0.8358	0.8993	0.9605	0.9986	1.0000
0.125	0.7653	0.8537	0.9416	0.9979	1.0000
0.150	0.6849	0.8001	0.9188	0.9971	0.9999
0.175	0.5954	0.7384	0.8917	0.9961	0.9999
0.200	0.4385	0.6682	0.8596	0.9948	0.9999
0.225	0.1528	0.5896	0.8222	0.9934	0.9998
0.250	0.	0.4491	0.7786	0.9916	0.9996
0.275	0.	0.2325	0.7283	0.9896	0.9998
0.300	0.	0.0294	0.6703	0.9871	0.9997
0.325	0.	0.	0.6040	0.9842	0.9996
0.350	0.	0.	0.4923	0.9807	0.9995
0.375	0.	0.	0.3325	0.9765	0.9995
0.400	0.	0.	0.1517	0.9715	0.9993
0.425	0.	0.	0.0016	0.9655	0.9992
0.450	0.	0.	0.	0.9581	0.9990
0.475	0.	0.	0.	0.9452	0.9988
0.500	0.	0.	0.	0.9382	0.9986
0.525	0.	0.	0.	0.9246	0.9983
0.550	0.	0.	0.	0.9076	0.9979
0.575	0.	0.	0.	0.8861	0.9975
0.600	0.	0.	0.	0.8588	0.9969
0.625	0.	0.	0.	0.8234	0.9961
0.650	0.	0.	0.	0.7770	0.9952
0.675	0.	0.	0.	0.7152	0.9939
0.700	0.	0.	0.	0.6225	0.9921
0.725	0.	0.	0.	0.4535	0.9897
0.750	0.	0.	0.	0.2002	0.9863
0.775	0.	0.	0.	0.	0.9812
0.800	0.	0.	0.	0.	0.9734
0.825	0.	0.	0.	0.	0.9607
0.850	0.	0.	0.	0.	0.9384
0.875	0.	0.	0.	0.	0.8954
0.900	0.	0.	0.	0.	0.7994
0.925	0.	0.	0.	0.	0.4733
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

351

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AH	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9774	0.9801	0.9827	0.9852	0.9878
0.050	0.9372	0.9445	0.9513	0.9581	0.9652
0.075	0.8867	0.8992	0.9111	0.9230	0.9356
0.100	0.8289	0.8468	0.8640	0.8814	0.9001
0.125	0.7658	0.7888	0.8113	0.8344	0.8595
0.150	0.6986	0.7265	0.7540	0.7826	0.8142
0.175	0.6287	0.6607	0.6928	0.7267	0.7645
0.200	0.5570	0.5926	0.6287	0.6673	0.7110
0.225	0.4773	0.5228	0.5621	0.6048	0.6540
0.250	0.3695	0.4275	0.4869	0.5400	0.5938
0.275	0.2656	0.3243	0.3863	0.4549	0.5309
0.300	0.1698	0.2253	0.2867	0.3572	0.4420
0.325	0.0862	0.1346	0.1915	0.2604	0.3470
0.350	0.0223	0.0576	0.1052	0.1678	0.2520
0.375	0.	0.0053	0.0348	0.0846	0.1603
0.400	0.	0.	0.	0.0197	0.0775
0.425	0.	0.	0.	0.	0.0141
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.0223	0.0009	0.	0.	0.
0.675	0.0862	0.0450	0.0123	0.	0.
0.700	0.1698	0.1181	0.0694	0.0253	0.
0.725	0.2656	0.2085	0.1504	0.0907	0.0320
0.750	0.3695	0.3105	0.2476	0.1767	0.1018
0.775	0.4773	0.4200	0.3568	0.2838	0.1959
0.800	0.5570	0.5199	0.4736	0.4017	0.3098
0.825	0.6287	0.5948	0.5568	0.5116	0.4396
0.850	0.6986	0.6655	0.6349	0.5937	0.5397
0.875	0.7658	0.7408	0.7119	0.6763	0.6284
0.900	0.8289	0.8094	0.7864	0.7576	0.7180
0.925	0.8867	0.8729	0.8564	0.8354	0.8058
0.950	0.9372	0.9290	0.9191	0.9063	0.8879
0.975	0.9774	0.9743	0.9704	0.9654	0.9580
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9906	0.9935	0.9972	0.9999	1.0000
0.050	0.9730	0.9819	0.9917	0.9996	1.0000
0.075	0.9496	0.9658	0.9842	0.9992	1.0000
0.100	0.9212	0.9459	0.9747	0.9988	1.0000
0.125	0.8882	0.9224	0.9631	0.9982	1.0000
0.150	0.8507	0.8952	0.9495	0.9975	0.9999
0.175	0.8091	0.8644	0.9335	0.9966	0.9999
0.200	0.7635	0.8299	0.9152	0.9956	0.9999
0.225	0.7139	0.7916	0.8943	0.9943	0.9998
0.250	0.6607	0.7495	0.8705	0.9929	0.9998
0.275	0.6040	0.7035	0.8436	0.9912	0.9998
0.300	0.5441	0.6535	0.8133	0.9892	0.9997
0.325	0.4612	0.5996	0.7794	0.9869	0.9996
0.350	0.3695	0.5400	0.7415	0.9841	0.9996
0.375	0.2757	0.4561	0.6992	0.9809	0.9995
0.400	0.1826	0.3664	0.6522	0.9771	0.9994
0.425	0.0955	0.2725	0.6001	0.9725	0.9992
0.450	0.0242	0.1774	0.5326	0.9671	0.9991
0.475	0.	0.0872	0.4485	0.9607	0.9989
0.500	0.	0.0150	0.3551	0.9530	0.9987
0.525	0.	0.	0.2536	0.9436	0.9984
0.550	0.	0.	0.1460	0.9323	0.9981
0.575	0.	0.	0.0491	0.9184	0.9977
0.600	0.	0.	0.	0.9013	0.9971
0.625	0.	0.	0.	0.8799	0.9965
0.650	0.	0.	0.	0.8530	0.9956
0.675	0.	0.	0.	0.8188	0.9945
0.700	0.	0.	0.	0.7748	0.9930
0.725	0.	0.	0.	0.7173	0.9910
0.750	0.0232	0.	0.	0.6380	0.9882
0.775	0.0902	0.	0.	0.5098	0.9841
0.800	0.1873	0.0363	0.	0.3275	0.9780
0.825	0.3110	0.1202	0.	0.0891	0.9685
0.850	0.4583	0.2471	0.	0.	0.9526
0.875	0.5569	0.4192	0.0235	0.	0.9240
0.900	0.6568	0.5455	0.1507	0.	0.8663
0.925	0.7586	0.6675	0.4313	0.	0.7300
0.950	0.8575	0.7953	0.6075	0.	0.2199
0.975	0.9453	0.9177	0.8195	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =10.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9854	0.9869	0.9884	0.9899	0.9915
0.050	0.9592	0.9633	0.9673	0.9714	0.9757
0.075	0.9261	0.9332	0.9402	0.9473	0.9551
0.100	0.8877	0.8952	0.9064	0.9189	0.9304
0.125	0.8453	0.8591	0.8726	0.8866	0.9022
0.150	0.7997	0.8166	0.8334	0.8510	0.8707
0.175	0.7514	0.7713	0.7913	0.8124	0.8362
0.200	0.7011	0.7238	0.7467	0.7712	0.7989
0.225	0.6493	0.6743	0.6999	0.7275	0.7591
0.250	0.5963	0.6234	0.6512	0.6816	0.7168
0.275	0.5426	0.5713	0.6011	0.6339	0.6724
0.300	0.4862	0.5184	0.5497	0.5845	0.6258
0.325	0.4204	0.4567	0.4950	0.5338	0.5775
0.350	0.3555	0.3919	0.4309	0.4751	0.5275
0.375	0.2922	0.3279	0.3668	0.4116	0.4667
0.400	0.2314	0.2655	0.3033	0.3477	0.4034
0.425	0.1739	0.2056	0.2414	0.2843	0.3394
0.450	0.1209	0.1492	0.1820	0.2223	0.2754
0.475	0.0798	0.0977	0.1264	0.1628	0.2124
0.500	0.0694	0.0720	0.0838	0.1076	0.1518
0.525	0.0798	0.0702	0.0682	0.0759	0.0995
0.550	0.1209	0.0953	0.0757	0.0668	0.0715
0.575	0.1739	0.1445	0.1158	0.0868	0.0660
0.600	0.2314	0.1990	0.1666	0.1328	0.0962
0.625	0.2922	0.2576	0.2224	0.1847	0.1425
0.650	0.3555	0.3196	0.2824	0.2417	0.1949
0.675	0.4204	0.3841	0.3459	0.3032	0.2529
0.700	0.4862	0.4504	0.4120	0.3654	0.3158
0.725	0.5426	0.5133	0.4801	0.4367	0.3832
0.750	0.5963	0.5664	0.5380	0.5027	0.4543
0.775	0.6493	0.6232	0.5945	0.5606	0.5181
0.800	0.7011	0.6774	0.6509	0.6195	0.5791
0.825	0.7514	0.7304	0.7067	0.6782	0.6411
0.850	0.7997	0.7816	0.7611	0.7362	0.7033
0.875	0.8453	0.8306	0.8136	0.7928	0.7649
0.900	0.8877	0.8764	0.8633	0.8470	0.8248
0.925	0.9261	0.9182	0.9090	0.8974	0.8815
0.950	0.9592	0.9546	0.9492	0.9424	0.9328
0.975	0.9854	0.9837	0.9816	0.9790	0.9753
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =10.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9932	0.9953	0.9977	0.9999	1.0000
0.050	0.9806	0.9864	0.9934	0.9996	1.0000
0.075	0.9639	0.9745	0.9874	0.9993	1.0000
0.100	0.9437	0.9598	0.9799	0.9989	1.0000
0.125	0.9203	0.9426	0.9709	0.9983	1.0000
0.150	0.8939	0.9229	0.9603	0.9977	0.9999
0.175	0.8646	0.9007	0.9482	0.9969	0.9999
0.200	0.8326	0.8759	0.9343	0.9959	0.9999
0.225	0.7978	0.8487	0.9186	0.9948	0.9999
0.250	0.7605	0.8188	0.9009	0.9935	0.9998
0.275	0.7207	0.7864	0.8812	0.9920	0.9998
0.300	0.6785	0.7513	0.8592	0.9903	0.9997
0.325	0.6339	0.7135	0.8348	0.9882	0.9997
0.350	0.5872	0.6730	0.8077	0.9858	0.9996
0.375	0.5384	0.6298	0.7778	0.9831	0.9995
0.400	0.4739	0.5839	0.7449	0.9798	0.9994
0.425	0.4160	0.5331	0.7088	0.9759	0.9993
0.450	0.3514	0.4722	0.6691	0.9714	0.9991
0.475	0.2860	0.4079	0.6257	0.9661	0.9989
0.500	0.2207	0.3410	0.5783	0.9597	0.9987
0.525	0.1571	0.2721	0.5181	0.9522	0.9985
0.550	0.1029	0.2026	0.4516	0.9431	0.9982
0.575	0.0709	0.1358	0.3793	0.9322	0.9978
0.600	0.0624	0.0868	0.3016	0.9190	0.9973
0.625	0.0933	0.0583	0.2199	0.9028	0.9967
0.650	0.1386	0.0705	0.1423	0.8829	0.9959
0.675	0.1902	0.1095	0.0784	0.8580	0.9948
0.700	0.2431	0.1564	0.0434	0.8268	0.9935
0.725	0.3122	0.2111	0.0702	0.7871	0.9917
0.750	0.3820	0.2740	0.1086	0.7361	0.9892
0.775	0.4570	0.3452	0.1575	0.6697	0.9856
0.800	0.5220	0.4248	0.2189	0.5707	0.9804
0.825	0.5575	0.4989	0.2949	0.4328	0.9723
0.850	0.6345	0.5720	0.3881	0.2485	0.9593
0.875	0.7230	0.6490	0.4810	0.0408	0.9368
0.900	0.7909	0.7289	0.5776	0.0308	0.8937
0.925	0.8566	0.8096	0.6857	0.0735	0.7995
0.950	0.9176	0.8677	0.8024	0.1917	0.5255
0.975	0.9692	0.9569	0.9136	0.4875	0.0128
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A   RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ....... D2/R =00.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AS	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9926	0.9932	0.9939	0.9945	0.9953
0.050	0.9792	0.9809	0.9827	0.9845	0.9865
0.075	0.9620	0.9652	0.9683	0.9715	0.9751
0.100	0.9477	0.9512	0.9548	0.9586	0.9631
0.125	0.9362	0.9419	0.9458	0.9499	0.9548
0.150	0.9306	0.9346	0.9366	0.9429	0.9481
0.175	0.9247	0.9285	0.9325	0.9370	0.9423
0.200	0.9197	0.9234	0.9273	0.9317	0.9371
0.225	0.9154	0.9190	0.9228	0.9271	0.9325
0.250	0.9119	0.9152	0.9188	0.9230	0.9283
0.275	0.9089	0.9120	0.9154	0.9194	0.9244
0.300	0.9064	0.9092	0.9123	0.9161	0.9209
0.325	0.9044	0.9069	0.9097	0.9132	0.9177
0.350	0.9029	0.9050	0.9075	0.9106	0.9147
0.375	0.9017	0.9035	0.9056	0.9083	0.9121
0.400	0.9009	0.9023	0.9041	0.9064	0.9097
0.425	0.9005	0.9015	0.9029	0.9043	0.9076
0.450	0.9004	0.9010	0.9020	0.9034	0.9058
0.475	0.9003	0.9008	0.9014	0.9024	0.9042
0.500	0.9002	0.9005	0.9008	0.9017	0.9029
0.525	0.9003	0.9001	0.9001	0.9006	0.9018
0.550	0.9004	0.9001	0.8998	0.8998	0.9004
0.575	0.9005	0.8998	0.8993	0.8992	0.8993
0.600	0.9009	0.8998	0.8989	0.8983	0.8982
0.625	0.9017	0.9002	0.8989	0.8973	0.8970
0.650	0.9029	0.9010	0.8993	0.8976	0.8962
0.675	0.9044	0.9022	0.9000	0.8979	0.8958
0.700	0.9064	0.9038	0.9013	0.8986	0.8959
0.725	0.9089	0.9059	0.9030	0.8999	0.8965
0.750	0.9119	0.9086	0.9053	0.9018	0.8978
0.775	0.9154	0.9120	0.9083	0.9044	0.8998
0.800	0.9197	0.9160	0.9121	0.9078	0.9027
0.825	0.9247	0.9209	0.9169	0.9123	0.9067
0.850	0.9306	0.9269	0.9228	0.9180	0.9121
0.875	0.9362	0.9344	0.9302	0.9254	0.9193
0.900	0.9477	0.9441	0.9400	0.9353	0.9292
0.925	0.9590	0.9587	0.9548	0.9501	0.9442
0.950	0.9792	0.9772	0.9750	0.9722	0.9684
0.975	0.9926	0.9919	0.9910	0.9900	0.9886
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =00.00  AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9961	0.9971	0.9985	0.9999	1.0000
0.050	0.9888	0.9918	0.9956	0.9997	1.0000
0.075	0.9795	0.9846	0.9916	0.9994	1.0000
0.100	0.9686	0.9760	0.9868	0.9990	1.0000
0.125	0.9610	0.9694	0.9820	0.9986	1.0000
0.150	0.9547	0.9639	0.9781	0.9961	0.9999
0.175	0.9492	0.9590	0.9746	0.9976	0.9999
0.200	0.9442	0.9545	0.9712	0.9971	0.9999
0.225	0.9396	0.9502	0.9678	0.9967	0.9999
0.250	0.9354	0.9461	0.9645	0.9961	0.9999
0.275	0.9314	0.9421	0.9612	0.9956	0.9998
0.300	0.9276	0.9383	0.9578	0.9950	0.9998
0.325	0.9241	0.9346	0.9545	0.9943	0.9998
0.350	0.9208	0.9310	0.9510	0.9936	0.9997
0.375	0.9178	0.9275	0.9475	0.9928	0.9997
0.400	0.9149	0.9241	0.9439	0.9919	0.9997
0.425	0.9123	0.9209	0.9403	0.9909	0.9996
0.450	0.9098	0.9177	0.9366	0.9898	0.9996
0.475	0.9076	0.9147	0.9328	0.9886	0.9995
0.500	0.9056	0.9118	0.9290	0.9872	0.9994
0.525	0.9039	0.9091	0.9251	0.9856	0.9993
0.550	0.9023	0.9066	0.9212	0.9837	0.9992
0.575	0.9004	0.9042	0.9172	0.9816	0.9991
0.600	0.8986	0.9016	0.9133	0.9792	0.9989
0.625	0.8941	0.8990	0.9094	0.9764	0.9987
0.650	0.8954	0.8966	0.9055	0.9732	0.9984
0.675	0.8941	0.8933	0.9010	0.9694	0.9981
0.700	0.8932	0.8914	0.8966	0.9650	0.9977
0.725	0.8928	0.8894	0.8919	0.9598	0.9972
0.750	0.8931	0.8860	0.8870	0.9535	0.9965
0.775	0.8942	0.8873	0.8825	0.9461	0.9955
0.800	0.8962	0.8876	0.8786	0.9373	0.9942
0.825	0.8994	0.8892	0.8758	0.9266	0.9923
0.850	0.9041	0.8924	0.8745	0.9138	0.9895
0.875	0.9109	0.8979	0.8756	0.8974	0.9849
0.900	0.9207	0.9069	0.8806	0.8764	0.9773
0.925	0.9358	0.9217	0.8924	0.8514	0.9634
0.950	0.9625	0.9514	0.9209	0.8286	0.9350
0.975	0.9863	0.9820	0.9697	0.8423	0.8654
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A   RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9927	0.9934	0.9940	0.9946	0.9953
0.050	0.9796	0.9813	0.9830	0.9848	0.9868
0.075	0.9648	0.9673	0.9699	0.9726	0.9758
0.100	0.9556	0.9584	0.9613	0.9644	0.9680
0.125	0.9488	0.9517	0.9548	0.9581	0.9621
0.150	0.9432	0.9462	0.9494	0.9529	0.9570
0.175	0.9386	0.9416	0.9448	0.9483	0.9526
0.200	0.9346	0.9377	0.9408	0.9444	0.9486
0.225	0.9316	0.9343	0.9373	0.9408	0.9450
0.250	0.9288	0.9314	0.9343	0.9376	0.9418
0.275	0.9265	0.9289	0.9316	0.9348	0.9388
0.300	0.9246	0.9268	0.9293	0.9322	0.9360
0.325	0.9231	0.9250	0.9273	0.9300	0.9335
0.350	0.9219	0.9236	0.9255	0.9280	0.9312
0.375	0.9210	0.9224	0.9241	0.9262	0.9292
0.400	0.9204	0.9215	0.9229	0.9247	0.9273
0.425	0.9200	0.9208	0.9219	0.9234	0.9257
0.450	0.9200	0.9205	0.9212	0.9224	0.9242
0.475	0.9201	0.9203	0.9208	0.9216	0.9230
0.500	0.9200	0.9201	0.9204	0.9210	0.9220
0.525	0.9201	0.9199	0.9199	0.9203	0.9212
0.550	0.9200	0.9197	0.9197	0.9197	0.9201
0.575	0.9200	0.9195	0.9191	0.9191	0.9193
0.600	0.9204	0.9195	0.9188	0.9184	0.9183
0.625	0.9210	0.9198	0.9188	0.9179	0.9173
0.650	0.9219	0.9204	0.9190	0.9178	0.9167
0.675	0.9231	0.9213	0.9196	0.9180	0.9164
0.700	0.9246	0.9226	0.9206	0.9185	0.9164
0.725	0.9265	0.9242	0.9219	0.9195	0.9168
0.750	0.9286	0.9263	0.9237	0.9209	0.9178
0.775	0.9316	0.9288	0.9260	0.9229	0.9193
0.800	0.9348	0.9319	0.9289	0.9255	0.9214
0.825	0.9386	0.9356	0.9324	0.9288	0.9244
0.850	0.9432	0.9402	0.9369	0.9331	0.9284
0.875	0.9488	0.9457	0.9424	0.9386	0.9338
0.900	0.9556	0.9527	0.9495	0.9458	0.9410
0.925	0.9648	0.9622	0.9592	0.9557	0.9512
0.950	0.9796	0.9777	0.9755	0.9728	0.9691
0.975	0.9927	0.9920	0.9912	0.9902	0.9888
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 1.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9962	0.9972	0.9985	0.9999	1.0000
0.050	0.9890	0.9919	0.9956	0.9997	1.0000
0.075	0.9797	0.9849	0.9918	0.9994	1.0000
0.100	0.9725	0.9786	0.9875	0.9990	1.0000
0.125	0.9570	0.9739	0.9843	0.9986	1.0000
0.150	0.9623	0.9698	0.9814	0.9983	0.9999
0.175	0.9581	0.9660	0.9787	0.9979	0.9999
0.200	0.9543	0.9625	0.9760	0.9975	0.9999
0.225	0.9507	0.9591	0.9734	0.9971	0.9999
0.250	0.9474	0.9559	0.9708	0.9967	0.9999
0.275	0.9443	0.9528	0.9681	0.9963	0.9999
0.300	0.9414	0.9498	0.9655	0.9958	0.9998
0.325	0.9386	0.9469	0.9628	0.9952	0.9998
0.350	0.9361	0.9441	0.9601	0.9947	0.9998
0.375	0.9336	0.9413	0.9573	0.9940	0.9997
0.400	0.9314	0.9387	0.9544	0.9933	0.9997
0.425	0.9293	0.9361	0.9515	0.9925	0.9997
0.450	0.9274	0.9336	0.9486	0.9915	0.9996
0.475	0.9257	0.9312	0.9456	0.9905	0.9996
0.500	0.9241	0.9290	0.9426	0.9894	0.9995
0.525	0.9227	0.9268	0.9395	0.9881	0.9994
0.550	0.9215	0.9249	0.9364	0.9866	0.9993
0.575	0.9201	0.9230	0.9333	0.9849	0.9992
0.600	0.9186	0.9211	0.9302	0.9829	0.9991
0.625	0.9174	0.9190	0.9271	0.9806	0.9989
0.650	0.9160	0.9170	0.9241	0.9780	0.9987
0.675	0.9150	0.9148	0.9206	0.9750	0.9984
0.700	0.9143	0.9129	0.9172	0.9714	0.9981
0.725	0.9140	0.9113	0.9133	0.9672	0.9976
0.750	0.9141	0.9102	0.9094	0.9622	0.9970
0.775	0.9149	0.9096	0.9059	0.9563	0.9963
0.800	0.9164	0.9097	0.9028	0.9492	0.9952
0.825	0.9187	0.9108	0.9004	0.9407	0.9936
0.850	0.9222	0.9131	0.8992	0.9306	0.9913
0.875	0.9272	0.9171	0.8998	0.9178	0.9876
0.900	0.9343	0.9235	0.9032	0.9011	0.9814
0.925	0.9446	0.9338	0.9113	0.8814	0.9701
0.950	0.9634	0.9526	0.9289	0.8630	0.9474
0.975	0.9867	0.9825	0.9706	0.8686	0.8925
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

259

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ....... D2/R = 1.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9564	0.9631	0.9691	0.9746	0.9800
0.050	0.8801	0.8975	0.9132	0.9280	0.9427
0.075	0.7865	0.8155	0.8421	0.8677	0.8936
0.100	0.6820	0.7221	0.7597	0.7967	0.8347
0.125	0.5714	0.6212	0.6689	0.7168	0.7672
0.150	0.	0.5157	0.5719	0.6298	0.6921
0.175	0.	0.	0.	0.5374	0.6105
0.200	0.	0.	0.	0.	0.5234
0.225	0.	0.	0.	0.	0.
0.250	0.	0.	0.	0.	0.
0.275	0.	0.	0.	0.	0.
0.300	0.	0.	0.	0.	0.
0.325	0.	0.	0.	0.	0.
0.350	0.	0.	0.	0.	0.
0.375	0.	0.	0.	0.	0.
0.400	0.	0.	0.	0.	0.
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.	0.	0.	0.	0.
0.700	0.	0.	0.	0.	0.
0.725	0.	0.	0.	0.	0.
0.750	0.	0.	0.	0.	0.
0.775	0.	0.	0.	0.	0.
0.800	0.	0.	0.	0.	0.
0.825	0.	0.	0.	0.	0.
0.850	0.	0.	0.	0.	0.
0.875	0.	0.	0.	0.	0.
0.900	0.	0.	0.	0.	0.
0.925	0.7865	0.	0.	0.	0.
0.950	0.8801	0.8596	0.8336	0.	0.
0.975	0.9564	0.9483	0.9377	0.9227	0.
1.000	1.0000	1.0000	1.0000	1.0000	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 1.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9854	0.9909	0.9963	0.9999	1.0000
0.050	0.9578	0.9735	0.9892	0.9996	1.0000
0.075	0.9208	0.9497	0.9791	0.9992	1.0000
0.100	0.8764	0.9199	0.9662	0.9987	1.0000
0.125	0.8224	0.8842	0.9504	0.9980	1.0000
0.150	0.7620	0.8425	0.9314	0.9972	0.9999
0.175	0.6940	0.7947	0.9090	0.9962	0.9999
0.200	0.6210	0.7407	0.8828	0.9951	0.9999
0.225	0.5413	0.6804	0.8524	0.9937	0.9998
0.250	0.	0.6137	0.8174	0.9921	0.9998
0.275	0.	0.5034	0.7773	0.9901	0.9998
0.300	0.	0.	0.7315	0.9879	0.9997
0.325	0.	0.	0.6794	0.9851	0.9996
0.350	0.	0.	0.6204	0.9819	0.9996
0.375	0.	0.	0.5022	0.9781	0.9995
0.400	0.	0.	0.2130	0.9735	0.9994
0.425	0.	0.	0.	0.9680	0.9992
0.450	0.	0.	0.	0.9614	0.9991
0.475	0.	0.	0.	0.9534	0.9989
0.500	0.	0.	0.	0.9436	0.9986
0.525	0.	0.	0.	0.9317	0.9983
0.550	0.	0.	0.	0.9169	0.9980
0.575	0.	0.	0.	0.8984	0.9975
0.600	0.	0.	0.	0.8751	0.9970
0.625	0.	0.	0.	0.8453	0.9962
0.650	0.	0.	0.	0.8069	0.9953
0.675	0.	0.	0.	0.7565	0.9941
0.700	0.	0.	0.	0.6896	0.9924
0.725	0.	0.	0.	0.5411	0.9902
0.750	0.	0.	0.	0.2366	0.9869
0.775	0.	0.	0.	0.	0.9822
0.800	0.	0.	0.	0.	0.9750
0.825	0.	0.	0.	0.	0.9635
0.850	0.	0.	0.	0.	0.9436
0.875	0.	0.	0.	0.	0.9060
0.900	0.	0.	0.	0.	0.8252
0.925	0.	0.	0.	0.	0.5456
0.950	0.	0.	0.	0.	0.
0.975	0.	0.	0.	0.	0.
1.000	0.	0.	0.	0.	0.

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMERA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ........ D2/R = 5.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
```

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9800	0.9824	0.9845	0.9867	0.9890
0.050	0.9444	0.9506	0.9565	0.9623	0.9685
0.075	0.8996	0.9102	0.9204	0.9308	0.9418
0.100	0.8481	0.8634	0.8782	0.8934	0.9097
0.125	0.7916	0.8115	0.8309	0.8510	0.8729
0.150	0.7313	0.7555	0.7794	0.8044	0.8320
0.175	0.6681	0.6962	0.7243	0.7539	0.7871
0.200	0.6030	0.6344	0.6662	0.7002	0.7387
0.225	0.5368	0.5708	0.6057	0.6436	0.6870
0.250	0.4314	0.5061	0.5435	0.5845	0.6324
0.275	0.2806	0.3618	0.4450	0.5236	0.5751
0.300	0.1444	0.2210	0.3054	0.4000	0.5084
0.325	0.0377	0.0973	0.1732	0.2665	0.3816
0.350	0.	0.0100	0.0608	0.1408	0.2529
0.375	0.	0.	0.	0.0375	0.1305
0.400	0.	0.	0.	0.	0.0302
0.425	0.	0.	0.	0.	0.
0.450	0.	0.	0.	0.	0.
0.475	0.	0.	0.	0.	0.
0.500	0.	0.	0.	0.	0.
0.525	0.	0.	0.	0.	0.
0.550	0.	0.	0.	0.	0.
0.575	0.	0.	0.	0.	0.
0.600	0.	0.	0.	0.	0.
0.625	0.	0.	0.	0.	0.
0.650	0.	0.	0.	0.	0.
0.675	0.0377	0.0009	0.	0.	0.
0.700	0.1444	0.0755	0.0186	0.	0.
0.725	0.2806	0.1995	0.1179	0.0402	0.
0.750	0.4314	0.3492	0.2590	0.1583	0.0517
0.775	0.5368	0.5017	0.4248	0.3182	0.1852
0.800	0.6030	0.5702	0.5340	0.4913	0.3686
0.825	0.6681	0.6354	0.6052	0.5654	0.5140
0.850	0.7313	0.7054	0.6760	0.6402	0.5932
0.875	0.7916	0.7701	0.7453	0.7147	0.6737
0.900	0.8481	0.8313	0.8113	0.7874	0.7538
0.925	0.8996	0.8878	0.8739	0.8562	0.8315
0.950	0.9444	0.9375	0.9292	0.9185	0.9033
0.975	0.9800	0.9774	0.9742	0.9700	0.9640
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R = 5.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9914	0.9942	0.9973	0.9999	1.0000
0.050	0.9754	0.9832	0.9922	0.9996	1.0000
0.075	0.9541	0.9684	0.9851	0.9993	1.0000
0.100	0.9282	0.9502	0.9762	0.9968	1.0000
0.125	0.8982	0.9286	0.9654	0.9982	1.0000
0.150	0.8642	0.9037	0.9527	0.9975	0.9999
0.175	0.8264	0.8755	0.9379	0.9967	0.9999
0.200	0.7850	0.8440	0.9209	0.9957	0.9999
0.225	0.7401	0.8092	0.9015	0.9945	0.9998
0.250	0.6919	0.7709	0.8796	0.9931	0.9998
0.275	0.6404	0.7290	0.8549	0.9914	0.9998
0.300	0.5859	0.6837	0.8271	0.9895	0.9997
0.325	0.5251	0.6348	0.7961	0.9872	0.9996
0.350	0.4063	0.5824	0.7615	0.9846	0.9996
0.375	0.2820	0.5085	0.7231	0.9815	0.9995
0.400	0.1589	0.3953	0.6804	0.9778	0.9994
0.425	0.0504	0.2740	0.6333	0.9735	0.9993
0.450	0.	0.1509	0.5813	0.9683	0.9991
0.475	0.	0.0413	0.4852	0.9622	0.9989
0.500	0.	0.	0.3720	0.9549	0.9987
0.525	0.	0.	0.2446	0.9460	0.9984
0.550	0.	0.	0.1121	0.9353	0.9981
0.575	0.	0.	0.0055	0.9223	0.9977
0.600	0.	0.	0.	0.9063	0.9972
0.625	0.	0.	0.	0.8865	0.9965
0.650	0.	0.	0.	0.8617	0.9957
0.675	0.	0.	0.	0.8303	0.9946
0.700	0.	0.	0.	0.7901	0.9931
0.725	0.	0.	0.	0.7380	0.9912
0.750	0.	0.	0.	0.6697	0.9884
0.775	0.0345	0.	0.	0.5361	0.9845
0.800	0.1740	0.	0.	0.3235	0.9786
0.825	0.3086	0.0653	0.	0.0394	0.9695
0.850	0.5247	0.2982	0.	0.	0.9545
0.875	0.6122	0.5054	0.	0.	0.9276
0.900	0.7022	0.6080	0.0666	0.	0.8742
0.925	0.7923	0.7172	0.5208	0.	0.7505
0.950	0.8745	0.8284	0.6803	0.	0.1884
0.975	0.9538	0.9322	0.8588	0.	0.
1.000	1.0000	1.0000	1.0000	0.	0.

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =10.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9861	0.9876	0.9889	0.9903	0.9918
0.050	0.9612	0.9651	0.9689	0.9727	0.9767
0.075	0.9297	0.9365	0.9430	0.9497	0.9570
0.100	0.8932	0.9030	0.9126	0.9225	0.9334
0.125	0.8528	0.8657	0.8785	0.8917	0.9064
0.150	0.8093	0.8252	0.8410	0.8577	0.8763
0.175	0.7632	0.7820	0.8008	0.8208	0.8433
0.200	0.7150	0.7365	0.7582	0.7613	0.8076
0.225	0.6653	0.6891	0.7134	0.7395	0.7695
0.250	0.6145	0.6403	0.6668	0.6956	0.7291
0.275	0.5628	0.5902	0.6186	0.6499	0.6865
0.300	0.5107	0.5393	0.5693	0.6025	0.6419
0.325	0.4383	0.4800	0.5190	0.5538	0.5955
0.350	0.3611	0.4034	0.4483	0.4988	0.5476
0.375	0.2862	0.3276	0.3726	0.4243	0.4872
0.400	0.2147	0.2541	0.2978	0.3492	0.4133
0.425	0.1485	0.1842	0.2252	0.2747	0.3383
0.450	0.0893	0.1200	0.1565	0.2023	0.2632
0.475	0.0399	0.0638	0.0941	0.1341	0.1900
0.500	0.0113	0.0198	0.0413	0.0730	0.1209
0.525	0.0399	0.0209	0.0112	0.0236	0.0595
0.550	0.0893	0.0625	0.0365	0.0176	0.0145
0.575	0.1485	0.1156	0.0848	0.0548	0.0261
0.600	0.2147	0.1777	0.1412	0.1039	0.0652
0.625	0.2862	0.2461	0.2054	0.1624	0.1154
0.650	0.3611	0.3194	0.2760	0.2268	0.1750
0.675	0.4383	0.3962	0.3516	0.3016	0.2429
0.700	0.5107	0.4754	0.4309	0.3799	0.3180
0.725	0.5628	0.5346	0.5045	0.4623	0.3996
0.750	0.6145	0.5879	0.5588	0.5250	0.4826
0.775	0.6653	0.6406	0.6133	0.5812	0.5403
0.800	0.7150	0.6925	0.6675	0.6377	0.5993
0.825	0.7632	0.7433	0.7209	0.6940	0.6588
0.850	0.8093	0.7923	0.7730	0.7495	0.7185
0.875	0.8528	0.8389	0.8230	0.8035	0.7773
0.900	0.8932	0.8826	0.8703	0.8550	0.8343
0.925	0.9297	0.9223	0.9137	0.9030	0.8881
0.950	0.9612	0.9570	0.9519	0.9456	0.9367
0.975	0.9861	0.9845	0.9826	0.9802	0.9767
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

364

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, U= 15.00 DEGREES
GEOMETRY .... D2/R =10.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9935	0.9955	0.9978	0.9999	1.0000
0.050	0.9814	0.9869	0.9936	0.9996	1.0000
0.075	0.9655	0.9754	0.9878	0.9993	1.0000
0.100	0.9459	0.9613	0.9805	0.9989	1.0000
0.125	0.9235	0.9447	0.9718	0.9983	1.0000
0.150	0.8982	0.9258	0.9616	0.9977	0.9999
0.175	0.8702	0.9044	0.9498	0.9969	0.9999
0.200	0.8395	0.8807	0.9364	0.9960	0.9999
0.225	0.8063	0.8545	0.9212	0.9949	0.9999
0.250	0.7706	0.8260	0.9042	0.9936	0.9998
0.275	0.7325	0.7949	0.8852	0.9921	0.9998
0.300	0.6920	0.7613	0.8641	0.9904	0.9997
0.325	0.6494	0.7251	0.8406	0.9884	0.9997
0.350	0.6046	0.6864	0.8147	0.9861	0.9996
0.375	0.5576	0.6451	0.7861	0.9833	0.9995
0.400	0.4991	0.6012	0.7546	0.9801	0.9994
0.425	0.4272	0.5547	0.7201	0.9764	0.9993
0.450	0.3509	0.4883	0.6822	0.9719	0.9991
0.475	0.2744	0.4143	0.6408	0.9667	0.9990
0.500	0.1985	0.3366	0.5956	0.9606	0.9987
0.525	0.1257	0.2563	0.5354	0.9532	0.9985
0.550	0.0603	0.1758	0.4601	0.9444	0.9982
0.575	0.0135	0.0987	0.3772	0.9339	0.9978
0.600	0.0264	0.0324	0.2872	0.9211	0.9973
0.625	0.0636	0.0131	0.1924	0.9054	0.9967
0.650	0.1120	0.0414	0.0981	0.8862	0.9959
0.675	0.1705	0.0816	0.0200	0.8624	0.9949
0.700	0.2346	0.1333	0.0168	0.8326	0.9936
0.725	0.3155	0.1966	0.0435	0.7947	0.9918
0.750	0.4009	0.2721	0.0827	0.7463	0.9893
0.775	0.4834	0.3599	0.1370	0.6834	0.9858
0.800	0.5447	0.4567	0.2097	0.5826	0.9807
0.825	0.6000	0.5235	0.3049	0.4274	0.9728
0.850	0.6727	0.5943	0.4256	0.2097	0.9602
0.875	0.7340	0.6654	0.5088	0.0023	0.9383
0.900	0.8026	0.7447	0.6027	0.0127	0.8968
0.925	0.8550	0.8213	0.7063	0.0477	0.8069
0.950	0.9275	0.8950	0.8168	0.1948	0.5268
0.975	0.9711	0.9599	0.9251	0.5323	0.0023
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

365

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =00.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9926	0.9932	0.9939	0.9945	0.9953
0.050	0.9792	0.9810	0.9827	0.9845	0.9865
0.075	0.9621	0.9652	0.9683	0.9715	0.9751
0.100	0.9448	0.9486	0.9525	0.9558	0.9617
0.125	0.9339	0.9379	0.9420	0.9466	0.9519
0.150	0.9257	0.9298	0.9341	0.9398	0.9444
0.175	0.9192	0.9233	0.9275	0.9323	0.9380
0.200	0.9140	0.9179	0.9221	0.9268	0.9326
0.225	0.9096	0.9135	0.9175	0.9221	0.9277
0.250	0.9064	0.9093	0.9136	0.9180	0.9234
0.275	0.9037	0.9068	0.9103	0.9144	0.9196
0.300	0.9016	0.9044	0.9075	0.9113	0.9162
0.325	0.9001	0.9025	0.9052	0.9056	0.9132
0.350	0.8990	0.9010	0.9034	0.9064	0.9105
0.375	0.8984	0.9000	0.9020	0.9045	0.9082
0.400	0.8982	0.8994	0.9009	0.9031	0.9062
0.425	0.8984	0.8992	0.9003	0.9019	0.9045
0.450	0.8990	0.8993	0.9000	0.9012	0.9032
0.475	0.8993	0.8998	0.9000	0.9007	0.9022
0.500	0.8992	0.8993	0.8998	0.9006	0.9015
0.525	0.8993	0.8991	0.8991	0.8996	0.9009
0.550	0.8990	0.8990	0.8988	0.8988	0.8994
0.575	0.8984	0.8980	0.8978	0.8981	0.8983
0.600	0.8982	0.8974	0.8968	0.8965	0.8969
0.625	0.8984	0.8971	0.8961	0.8953	0.8949
0.650	0.8990	0.8973	0.8958	0.8944	0.8934
0.675	0.9001	0.8979	0.8959	0.8940	0.8923
0.700	0.9016	0.8991	0.8966	0.8941	0.8916
0.725	0.9037	0.9008	0.8979	0.8948	0.8916
0.750	0.9064	0.9031	0.8998	0.8962	0.8923
0.775	0.9098	0.9062	0.9025	0.8984	0.8938
0.800	0.9140	0.9102	0.9061	0.9016	0.8963
0.825	0.9192	0.9152	0.9109	0.9060	0.9001
0.850	0.9257	0.9215	0.9171	0.9119	0.9056
0.875	0.9339	0.9297	0.9252	0.9200	0.9134
0.900	0.9448	0.9408	0.9364	0.9312	0.9245
0.925	0.9621	0.9587	0.9548	0.9500	0.9434
0.950	0.9792	0.9773	0.9750	0.9723	0.9685
0.975	0.9926	0.9919	0.9910	0.9900	0.9886
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***


SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =00.00  AND H/R = 2.0


BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	50.00	60.00	70.00	80.00	82.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9961	0.9971	0.9985	0.9999	1.0000
0.050	0.9899	0.9918	0.9956	0.9997	1.0000
0.075	0.9793	0.9846	0.9916	0.9994	1.0000
0.100	0.9673	0.9760	0.9868	0.9990	1.0000
0.125	0.9586	0.9677	0.9812	0.9986	1.0000
0.150	0.9515	0.9615	0.9768	0.9980	0.9999
0.175	0.9455	0.9560	0.9728	0.9975	0.9999
0.200	0.9401	0.9511	0.9691	0.9970	0.9999
0.225	0.9353	0.9435	0.9655	0.9964	0.9999
0.250	0.9309	0.9422	0.9613	0.9959	0.9998
0.275	0.9268	0.9381	0.9584	0.9953	0.9998
0.300	0.9231	0.9342	0.9549	0.9946	0.9998
0.325	0.9197	0.9305	0.9513	0.9939	0.9998
0.350	0.9166	0.9270	0.9478	0.9931	0.9997
0.375	0.9138	0.9236	0.9442	0.9923	0.9997
0.400	0.9112	0.9203	0.9406	0.9913	0.9996
0.425	0.9089	0.9173	0.9370	0.9903	0.9996
0.450	0.9069	0.9144	0.9333	0.9891	0.9995
0.475	0.9051	0.9117	0.9296	0.9877	0.9994
0.500	0.9037	0.9092	0.9259	0.9862	0.9994
0.525	0.9025	0.9070	0.9222	0.9845	0.9993
0.550	0.9013	0.9050	0.9186	0.9826	0.9991
0.575	0.8994	0.9032	0.9149	0.9804	0.9990
0.600	0.8977	0.9006	0.9114	0.9779	0.9988
0.625	0.8956	0.8980	0.9080	0.9750	0.9986
0.650	0.8931	0.8954	0.9047	0.9716	0.9983
0.675	0.8910	0.8917	0.9001	0.9677	0.9980
0.700	0.8893	0.8884	0.8955	0.9632	0.9975
0.725	0.8882	0.8855	0.8901	0.9578	0.9970
0.750	0.8878	0.8832	0.8842	0.9516	0.9962
0.775	0.8882	0.8817	0.8785	0.9442	0.9952
0.800	0.8897	0.8812	0.8734	0.9354	0.9938
0.825	0.8926	0.8821	0.8692	0.9251	0.9918
0.850	0.8972	0.8849	0.8668	0.9129	0.9888
0.875	0.9043	0.8904	0.8670	0.8963	0.9841
0.900	0.9152	0.9001	0.8718	0.8736	0.9762
0.925	0.9335	0.9175	0.8849	0.8447	0.9619
0.950	0.9626	0.9515	0.9210	0.8170	0.9336
0.975	0.9963	0.9920	0.9698	0.8332	0.8618
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

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*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A  RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D=  15.00 DEGREES
GEOMETRY ...... D2/R =25.00  AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES
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BETA ***	0.	10.00	20.00	30.00	40.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9927	0.9934	0.9940	0.9946	0.9953
0.050	0.9796	0.9813	0.9830	0.9848	0.9868
0.075	0.9632	0.9660	0.9689	0.9721	0.9756
0.100	0.9524	0.9555	0.9586	0.9620	0.9659
0.125	0.9446	0.9480	0.9513	0.9549	0.9592
0.150	0.9389	0.9421	0.9455	0.9492	0.9537
0.175	0.9341	0.9373	0.9406	0.9444	0.9490
0.200	0.9302	0.9332	0.9365	0.9402	0.9448
0.225	0.9270	0.9299	0.9330	0.9366	0.9411
0.250	0.9244	0.9271	0.9301	0.9335	0.9378
0.275	0.9224	0.9248	0.9275	0.9307	0.9349
0.300	0.9208	0.9230	0.9254	0.9284	0.9322
0.325	0.9196	0.9215	0.9237	0.9263	0.9299
0.350	0.9188	0.9204	0.9222	0.9246	0.9278
0.375	0.9144	0.9196	0.9212	0.9232	0.9260
0.400	0.9183	0.9192	0.9204	0.9220	0.9245
0.425	0.9184	0.9190	0.9199	0.9212	0.9232
0.450	0.9189	0.9191	0.9197	0.9206	0.9222
0.475	0.9194	0.9195	0.9197	0.9202	0.9214
0.500	0.9195	0.9194	0.9196	0.9202	0.9208
0.525	0.9194	0.9192	0.9193	0.9197	0.9206
0.550	0.9189	0.9189	0.9190	0.9190	0.9195
0.575	0.9184	0.9181	0.9180	0.9182	0.9186
0.600	0.9185	0.9176	0.9171	0.9169	0.9172
0.625	0.9184	0.9174	0.9165	0.9159	0.9157
0.650	0.9188	0.9175	0.9163	0.9152	0.9145
0.675	0.9196	0.9179	0.9164	0.9149	0.9135
0.700	0.9206	0.9188	0.9169	0.9150	0.9130
0.725	0.9224	0.9201	0.9178	0.9155	0.9129
0.750	0.9244	0.9219	0.9192	0.9165	0.9134
0.775	0.9270	0.9242	0.9213	0.9181	0.9145
0.800	0.9302	0.9271	0.9240	0.9205	0.9163
0.825	0.9341	0.9309	0.9275	0.9237	0.9191
0.850	0.9389	0.9356	0.9321	0.9280	0.9231
0.875	0.9446	0.9415	0.9380	0.9338	0.9287
0.900	0.9524	0.9493	0.9458	0.9417	0.9365
0.925	0.9632	0.9603	0.9571	0.9532	0.9482
0.950	0.9796	0.9777	0.9756	0.9729	0.9692
0.975	0.9927	0.9920	0.9912	0.9902	0.9888
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** RELATIVE ENERGY FLUX DENSITY IN THE ***
*** PENUMBRA OF A RECTANGULAR CYLINDER ***

SOLAR FIELD ANGLE, D= 15.00 DEGREES
GEOMETRY ...... D2/R =25.00 AND H/R = 2.0

BETA = ANGLE OF INCIDENCE, DEGREES

BETA ***	50.00	60.00	70.00	80.00	62.00
AX/AB	Q	Q	Q	Q	Q
0.	1.0000	1.0000	1.0000	1.0000	1.0000
0.025	0.9862	0.9972	0.9985	0.9999	1.0000
0.050	0.9820	0.9919	0.9956	0.9997	1.0000
0.075	0.9737	0.9849	0.9918	0.9994	1.0000
0.100	0.9708	0.9774	0.9870	0.9990	1.0000
0.125	0.9646	0.9720	0.9833	0.9986	1.0000
0.150	0.9594	0.9675	0.9800	0.9982	0.9999
0.175	0.9549	0.9634	0.9770	0.9978	0.9999
0.200	0.9508	0.9596	0.9741	0.9974	0.9999
0.225	0.9471	0.9561	0.9713	0.9969	0.9999
0.250	0.9437	0.9527	0.9685	0.9965	0.9999
0.275	0.9406	0.9495	0.9658	0.9960	0.9998
0.300	0.9377	0.9465	0.9630	0.9955	0.9998
0.325	0.9351	0.9436	0.9602	0.9949	0.9998
0.350	0.9326	0.9408	0.9574	0.9942	0.9998
0.375	0.9304	0.9382	0.9545	0.9935	0.9997
0.400	0.9284	0.9356	0.9517	0.9927	0.9997
0.425	0.9266	0.9332	0.9486	0.9919	0.9996
0.450	0.9250	0.9310	0.9459	0.9909	0.9996
0.475	0.9237	0.9289	0.9430	0.9898	0.9995
0.500	0.9225	0.9269	0.9401	0.9856	0.9995
0.525	0.9216	0.9251	0.9372	0.9872	0.9994
0.550	0.9210	0.9236	0.9343	0.9856	0.9993
0.575	0.9195	0.9222	0.9314	0.9838	0.9991
0.600	0.9182	0.9205	0.9286	0.9818	0.9990
0.625	0.9172	0.9184	0.9258	0.9794	0.9988
0.650	0.9143	0.9160	0.9234	0.9767	0.9986
0.675	0.9126	0.9132	0.9200	0.9735	0.9983
0.700	0.9112	0.9106	0.9165	0.9699	0.9979
0.725	0.9103	0.9083	0.9119	0.9656	0.9975
0.750	0.9099	0.9064	0.9072	0.9606	0.9968
0.775	0.9102	0.9051	0.9027	0.9546	0.9960
0.800	0.9112	0.9046	0.8997	0.9477	0.9948
0.825	0.9132	0.9051	0.8953	0.9394	0.9932
0.850	0.9165	0.9070	0.8932	0.9299	0.9907
0.875	0.9216	0.9109	0.8930	0.9171	0.9868
0.900	0.9292	0.9176	0.8959	0.8990	0.9804
0.925	0.9410	0.9290	0.9045	0.8763	0.9689
0.950	0.9634	0.9526	0.9251	0.8540	0.9462
0.975	0.9867	0.9825	0.9706	0.8588	0.8898
1.000	1.0000	1.0000	1.0000	1.0000	1.0000

*** END OF RECTANGULAR CYLINDER CASE ***

361