

THEKAEKARA STANDARD SOLAR SPECTRAL IRRRA

WAVELENGTH	IRRADIANCE	TOTAL AREA	PERCENTAGE
.115000000	.0070000005	.002545008	.000188101
.120000000	.9000000005	.004812518	.000355692
.125000000	.0070000005	.007080028	.000523284
.130000000	.0070000005	.007115038	.000525871
.140000000	.0300000005	.007300048	.000539545
.150000000	.0700000005	.007800058	.000576501
.160000000	.2300000005	.009300068	.000687366
.170000000	.6300000005	.013600078	.001005179
.180000000	1.2500000005	.023000088	.001699933
.190000000	2.7100000005	.042800098	.003163348
.200000000	10.7000000005	.109850108	.008119003
.210000000	22.9000000005	.277850118	.020535855
.220000000	57.5000000005	.679850128	.050247607
.225000000	64.9000000006	.985850138	.072864016
.230000000	66.7000000005	1.314850148	.097180351
.235000000	59.3000000004	1.629850158	.120461948
.240000000	63.0000000005	1.935600168	.143059879
.245000000	72.3000000004	2.273850178	.168059880
.250000000	70.4000000006	2.630600188	.194427213
.255000000	104.0000000006	3.066600197	.226651899
.260000000	130.0000000004	3.651600207	.269889151
.265000000	185.0000000004	4.439100218	.328093142
.270000000	232.0000000004	5.481600227	.405144141
.275000000	204.0000000004	6.571600238	.485705856
.280000000	222.0000000004	7.636600248	.564419826
.285000000	315.0000000007	8.979100257	.663643774
.290000000	482.0000000007	10.971600269	.810909111
.295000000	584.0000000000	13.636600278	1.007878808
.300000000	514.0000000000	16.381600286	1.210761292
.305000000	603.0000000000	19.174100298	1.417154494
.310000000	689.0000000000	22.404100307	1.655883245
.315000000	764.0000000000	26.036600315	1.924360703
.320000000	830.0000000000	30.021600328	2.218891377
.325000000	975.0000000000	34.534100336	2.552409485
.330000000	1059.0000000000	39.619100351	2.928240972
.335000000	1081.0000000000	44.969100359	3.323658563
.340000000	1074.0000000000	50.356600367	3.721847773
.345000000	1069.0000000000	55.714100382	4.117819688
.350000000	1093.0000000000	61.119100390	4.517302320
.355000000	1083.0000000000	66.559100397	4.919371796
.360000000	1068.0000000000	71.936600411	5.316821908
.365000000	1132.0000000000	77.436600419	5.723325973
.370000000	1181.0000000000	83.219100425	6.150709566
.375000000	1157.0000000000	89.064100441	6.582712523
.380000000	1120.0000000000	94.756600447	7.003444231
.385000000	1098.0000000000	100.301600454	7.413274239
.390000000	1098.0000000000	105.791600469	7.819039207
.395000000	1189.0000000000	111.509100476	8.241618661
.400000000	1429.0000000000	118.054100491	8.725358499
.405000000	1644.0000000000	125.736600496	9.293170768
.410000000	1751.0000000000	134.224100515	9.920480452
.415000000	1774.0000000000	143.036600523	10.571810829
.420000000	1747.0000000000	151.839100529	11.222402109
.425000000	1693.0000000000	160.439100549	11.858026648
.430000000	1639.0000000000	168.769100554	12.473695532

.435000000	1663.000000000	177.024100561	13.083821180
.440000000	1810.000000000	185.706600580	13.725543280
.445000000	1922.000000000	195.036600586	14.415121994
.450000000	2006.000000000	204.856600594	15.140916526
.455000000	2057.000000000	215.014100615	15.891655626
.460000000	2066.000000000	225.321600620	16.653481198
.465000000	2048.000000000	235.606600627	17.413643801
.470000000	2033.000000000	245.809100647	18.167708843
.475000000	2044.000000000	256.001600645	18.921034785
.480000000	2074.000000000	266.296600662	19.681936487
.485000000	1976.000000000	276.421600662	20.430273515
.490000000	1950.000000000	286.236600667	21.155698497
.495000000	1960.000000000	296.011600681	21.878167086
.500000000	1942.000000000	305.766600668	22.599157477
.505000000	1920.000000000	315.421600655	23.312756885
.510000000	1882.000000000	324.926600672	24.015269821
.515000000	1833.000000000	334.214100689	24.701707368
.520000000	1833.000000000	343.379100680	25.379090959
.525000000	1852.000000000	352.591600694	26.059985269
.530000000	1842.000000000	361.826600708	26.742542550
.535000000	1818.000000000	370.976600721	27.418817496
.540000000	1783.000000000	379.979100712	28.084190740
.545000000	1754.000000000	388.821600728	28.737738413
.550000000	1725.000000000	397.519100741	29.380569160
.555000000	1720.000000000	406.131600730	30.017117571
.560000000	1695.000000000	414.669100747	30.648122746
.565000000	1705.000000000	423.169100761	31.276356302
.570000000	1712.000000000	431.711600751	31.907731024
.575000000	1719.000000000	440.289100766	32.541692591
.580000000	1715.000000000	448.874100782	33.176208483
.585000000	1712.000000000	457.441600770	33.809430951
.590000000	1700.000000000	465.971600786	34.439881802
.595000000	1682.000000000	474.426600799	35.064789415
.600000000	1666.000000000	482.796600789	35.683414692
.605000000	1647.000000000	491.079100803	36.295572860
.610000000	1635.000000000	499.284100816	36.902003016
.620000000	1602.000000000	515.469100818	38.098233615
.630000000	1570.000000000	531.329100817	39.270443520
.640000000	1544.000000000	546.899100840	40.421219574
.650000000	1511.000000000	562.174100846	41.550192228
.660000000	1486.000000000	577.159100875	42.657731033
.670000000	1456.000000000	591.869100884	43.744944633
.680000000	1427.000000000	606.284100890	44.810354833
.690000000	1402.000000000	620.429100916	45.855809380
.700000000	1369.000000000	634.284100920	46.879830075
.710000000	1344.000000000	647.849100932	47.882416920
.720000000	1314.000000000	661.139100954	48.864678563
.730000000	1290.000000000	674.159100965	49.826984550
.740000000	1260.000000000	686.909100980	50.769334883
.750000000	1235.000000000	699.384101003	51.691360014
.760000000	1211.000000000	711.614101008	52.595277236
.770000000	1185.000000000	723.594101012	53.480717000
.780000000	1159.000000000	735.314101040	54.346940210
.790000000	1134.000000000	746.779101044	55.194316411
.800000000	1109.000000000	757.994101062	56.023215156
.810000000	1085.500000000	768.966601074	56.834190766
.820000000	1060.000000000	779.694101095	57.627058470
.830000000	1036.000000000	790.174101099	58.401633488

.840000000	1013.000000000	800.419101104	59.158839697
.850000000	990.000000000	810.434101135	59.899046647
.860000000	968.000000000	820.224101141	60.622623883
.870000000	947.000000000	829.799101144	61.330310506
.880000000	926.000000000	839.164101169	62.022476066
.890000000	908.000000000	848.334101185	62.700229208
.900000000	891.000000000	857.329101190	63.365048129
.910000000	880.000000000	866.184101209	64.019519676
.920000000	869.000000000	874.929101214	64.665861139
.930000000	858.000000000	883.564101219	65.304072522
.940000000	847.000000000	892.089101240	65.934153823
.950000000	837.000000000	900.509101257	66.556474593
.960000000	820.000000000	908.794101283	67.168817537
.970000000	803.000000000	916.909101292	67.768595807
.980000000	785.000000000	924.849101305	68.355439859
.990000000	767.000000000	932.609101325	68.928980142
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1.050000000	668.000000000	975.584101334	72.105255088
1.100000000	593.000000000	1007.109101355	74.435262479
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1.400000000	337.000000007	1141.009101361	84.331788719
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1.500000000	288.000000007	1172.234101355	86.639623160
1.550000000	267.000000007	1186.109101355	87.665122051
1.600000000	245.000000004	1198.909101367	88.611167876
1.650000000	223.000000004	1210.609101355	89.475912886
1.700000000	202.000000004	1221.234101355	90.261204829
1.750000000	180.000000004	1230.784101367	90.967043707
1.800000000	159.000000004	1239.259101361	91.593429517
1.850000000	142.000000004	1246.784101367	92.149600988
1.900000000	126.000000006	1253.484101355	92.644796848
1.950000000	114.000000006	1259.484101355	93.088255828
2.000000000	103.000000006	1264.909101367	93.489216657
2.100000000	90.000000006	1274.559101373	94.202446517
2.200000000	79.000000006	1283.009101391	94.826984581
2.300000000	69.000000006	1290.409101397	95.373917324
2.400000000	62.000000005	1296.959101409	95.858026711
2.500000000	55.000000005	1302.809101403	96.290399216
2.600000000	48.000000005	1307.959101409	96.671034841
2.700000000	43.000000005	1312.509101421	97.007324569
2.800000000	39.000000005	1316.609101415	97.310354872
2.900000000	35.000000005	1320.309101403	97.583821241
3.000000000	31.000000005	1323.609101415	97.827723682
3.100000000	26.000000005	1326.459101409	98.038366696
3.200000000	22.600000005	1328.889101416	98.217967585
3.300000000	19.200000005	1330.979101419	98.372439129
3.400000000	16.600000005	1332.769101411	98.504737724
3.500000000	14.600000005	1334.329101413	98.620037058
3.600000000	13.500000005	1335.734101415	98.723880371
3.700000000	12.300000005	1337.024101406	98.819224050
3.800000000	11.100000005	1338.194101393	98.905698551
3.900000000	10.300000005	1339.264101386	98.984782068
4.000000000	9.500000005	1340.254101396	99.057952801
4.100000000	8.700000005	1341.164101392	99.125210745

4.200000000	7.800000005	1341.989101380	99.186186355
4.300000000	7.100000005	1342.734101385	99.241249178
4.400000000	6.500000005	1343.414101392	99.291507863
4.500000000	5.920000005	1344.035101384	99.337405868
4.600000000	5.350000005	1344.598601371	99.379054055
4.700000000	4.860000005	1345.109101385	99.416785024
4.800000000	4.473360005	1345.575769395	99.451276379
4.900000000	4.110000005	1346.004937381	99.482996110
5.000000000	3.790000005	1346.399937391	99.512190495
6.000000000	1.820000005	1349.204937398	99.719507568
7.000000000	.990000005	1350.609937400	99.823350878
8.000000000	.585000005	1351.397437394	99.881554870
9.000000000	.367000005	1351.873437405	99.916735949
10.000000000	.241000005	1352.177437395	99.939204538
11.000000000	.165000005	1352.380437404	99.954208234
12.000000000	.117000005	1352.521437407	99.964629520
13.000000000	.085100005	1352.622487396	99.972098107
14.000000000	.063400005	1352.696737409	99.977585914
15.000000000	.048100005	1352.752487421	99.981706386
16.000000000	.037100005	1352.795087427	99.984854946
17.000000000	.029100005	1352.828187436	99.987301363
18.000000000	.023100005	1352.854287446	99.989230409
19.000000000	.018600005	1352.875137448	99.990771430
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25.000000000	.006170005	1352.945462465	99.995969139
30.000000000	.002970005	1352.968312472	99.997657981
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