



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MC-LED35-SO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L051410001R01
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE]
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] MC-LED-35-SO-04
 [LUMINAIRE] 6"L. X 48-1/4"W. X 2-1/2"H. LED COVE LIGHT
 [MORE] FROSTED LENS
 [BALLASTCAT] OSRAM OPTOTRONIC OT30W/PRG1050C/UNV/DIM/L
 [BALLAST] INPUT: 120-277VAC,
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC, 40W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4047
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.17 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	34824	15695	437

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	97.130	96.228	94.556	93.082	89.760	85.228	78.122	68.882	57.992	45.804
85.0	190.960	189.288	185.966	182.644	175.802	166.012	151.426	132.418	110.440	86.064
87.5	504.724	502.216	496.958	490.490	478.852	462.330	439.516	411.730	377.850	337.304
90.0	818.466	815.144	807.950	798.336	781.902	758.648	727.606	691.042	645.260	588.566
92.5	1255.782	1250.612	1237.126	1215.984	1183.380	1142.020	1095.116	1034.088	958.188	866.778
95.0	1693.098	1686.080	1666.302	1633.632	1584.880	1525.414	1462.626	1377.112	1271.116	1144.968
97.5	2095.126	2086.084	2061.972	2022.922	1969.924	1899.458	1813.592	1697.520	1550.340	1369.544
100.0	2497.154	2486.088	2457.642	2412.212	2354.968	2273.524	2164.558	2017.928	1829.564	1594.098
102.5	2662.264	2652.650	2625.502	2580.622	2516.360	2424.202	2307.492	2140.930	1924.494	1653.388
105.0	2695.132	2687.190	2663.540	2620.332	2548.876	2444.904	2304.918	2110.262	1869.274	1590.226
107.5	2667.434	2657.446	2627.174	2573.054	2491.808	2366.958	2225.696	2036.760	1783.034	1525.766
110.0	2613.864	2600.950	2559.942	2489.036	2373.250	2278.320	2105.466	1896.048	1674.618	1448.392
112.5	2475.000	2458.368	2410.364	2332.066	2224.574	2133.164	1964.006	1776.368	1578.412	1381.182
115.0	2311.738	2298.450	2255.968	2187.460	2089.582	1970.276	1840.278	1680.162	1504.910	1316.546
117.5	2166.230	2152.370	2113.034	2049.696	1961.058	1857.636	1737.604	1600.390	1438.976	1256.530
120.0	2041.380	2028.642	1994.850	1941.280	1869.274	1774.894	1667.600	1528.736	1367.520	1200.562
122.5	1945.350	1934.834	1905.640	1858.362	1789.304	1700.842	1588.752	1455.410	1305.084	1149.786
125.0	1866.304	1856.338	1829.014	1782.836	1713.404	1620.146	1511.730	1385.978	1245.068	1103.608
127.5	1784.684	1774.718	1744.424	1695.672	1626.790	1537.778	1437.876	1319.670	1193.170	1062.798
130.0	1690.502	1683.484	1655.236	1608.508	1542.398	1463.550	1368.246	1260.204	1139.446	1026.608
132.5	1598.542	1593.548	1569.172	1527.812	1466.872	1389.124	1300.112	1199.638	1093.444	992.068

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CANDELA TABULATION - (Cont.)

135.0	1511.730	1506.384	1481.832	1441.198	1384.504	1312.850	1233.078	1140.920	1049.686	957.528
137.5	1419.396	1412.950	1391.148	1353.836	1301.212	1236.576	1163.448	1084.600	1002.782	923.010
140.0	1334.080	1326.886	1306.008	1271.842	1224.014	1166.022	1104.730	1035.100	962.148	888.470
142.5	1242.846	1236.752	1218.294	1188.924	1148.488	1100.286	1045.814	984.126	918.390	857.076
145.0	1156.804	1151.810	1136.124	1111.748	1076.460	1033.428	985.600	933.152	880.528	830.302
147.5	1093.180	1088.934	1075.492	1054.636	1024.518	987.910	946.968	901.956	856.416	812.240
150.0	1029.556	1026.058	1014.882	997.524	972.576	942.392	908.314	870.738	832.326	794.200
152.5	965.932	963.160	954.250	940.412	920.656	896.874	869.682	839.520	808.236	776.138
155.0	902.308	900.284	893.640	883.300	868.714	851.356	831.028	808.324	784.124	758.098
157.5	864.468	862.708	857.076	848.298	835.934	821.348	804.254	784.916	764.236	741.972
160.0	826.606	825.132	820.512	813.296	803.154	791.318	777.480	761.508	744.326	725.868
162.5	788.744	787.534	783.948	778.316	770.374	761.310	750.706	738.100	724.438	709.742
165.0	750.882	749.958	747.384	743.314	737.594	731.302	723.932	714.692	704.528	693.638
167.5	724.658	723.932	721.842	718.564	713.988	708.818	702.834	695.354	687.082	678.304
170.0	698.434	697.884	696.322	693.814	690.404	686.334	681.736	675.994	669.636	662.970
172.5	672.210	671.836	670.780	669.064	666.820	663.850	660.616	656.656	652.168	647.658
175.0	645.986	645.810	645.260	644.336	643.214	641.366	639.518	637.318	634.722	632.324
177.5	616.770	616.660	616.396	615.934	615.384	614.460	613.536	612.414	611.138	609.928
180.0	587.400	587.400	587.400	587.400	587.400	587.400	587.400	587.400	587.400	587.400

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

82.5	33.418	20.966	12.562	8.866	5.456	3.520	2.596	2.134	2.486	5.830
85.0	61.688	37.488	21.230	14.212	8.316	5.170	2.948	1.848	2.398	5.918
87.5	288.838	231.682	178.112	136.752	93.258	49.676	25.674	10.890	4.070	4.708
90.0	515.988	425.854	334.994	259.292	178.222	94.182	48.378	19.954	5.720	3.520
92.5	747.186	585.332	468.336	350.614	237.116	143.682	80.982	42.570	19.844	11.352
95.0	978.406	744.788	601.678	441.936	296.032	193.160	113.586	65.186	33.990	19.206
97.5	1145.166	883.564	672.408	492.162	335.918	224.664	149.952	90.948	56.144	37.026
100.0	1311.926	1022.362	743.138	542.388	375.804	256.146	186.340	116.710	78.298	54.846
102.5	1343.320	1055.956	754.028	563.992	401.302	281.072	198.528	142.758	103.598	77.374
105.0	1310.804	1024.562	756.052	572.858	420.882	303.226	227.524	173.404	133.716	104.522
107.5	1264.274	1017.544	748.660	580.624	440.264	335.368	256.696	202.950	160.116	129.272
110.0	1218.668	985.226	741.642	581.900	454.124	353.826	280.896	225.302	186.142	155.870
112.5	1162.150	945.890	736.670	590.040	471.834	376.728	304.348	251.350	211.640	181.170
115.0	1112.298	920.238	725.758	591.316	482.174	394.658	326.678	274.054	236.566	206.470
117.5	1072.764	892.342	724.658	596.310	495.484	410.168	347.732	296.956	260.018	231.220
120.0	1026.784	871.662	723.558	601.854	506.572	429.550	366.014	319.484	284.768	254.474
122.5	997.788	856.526	727.254	606.474	516.912	444.334	386.892	340.912	306.570	278.850
125.0	964.546	840.642	723.558	611.094	530.024	461.692	404.998	363.066	329.648	300.828
127.5	940.544	830.302	717.464	610.346	538.142	476.080	421.608	381.722	350.702	322.806
130.0	919.116	815.342	714.868	613.492	547.382	488.092	440.264	401.478	370.084	344.784
132.5	892.892	796.312	708.774	619.212	556.424	502.876	456.874	419.958	390.764	364.364
135.0	867.592	780.802	702.878	620.686	564.190	514.866	471.108	436.568	409.046	383.746
137.5	841.566	764.544	697.510	621.434	570.086	523.732	485.694	451.902	424.930	401.676
140.0	818.664	752.554	697.510	626.054	577.654	535.546	499.730	469.436	443.212	419.760
142.5	797.610	743.688	694.364	638.594	584.122	546.260	512.842	484.396	459.646	437.316
145.0	781.176	736.296	690.690	639.716	590.040	556.424	525.030	498.432	474.980	452.826
147.5	768.614	728.068	687.258	642.576	595.056	564.124	535.238	510.532	488.884	468.050
150.0	756.052	719.862	683.848	645.436	600.094	571.846	545.446	522.632	502.766	483.296
152.5	743.490	711.634	680.438	648.296	605.132	579.546	555.632	534.732	516.670	498.520
155.0	730.950	703.428	677.006	651.156	610.170	587.268	565.840	546.810	530.574	513.766
157.5	718.696	695.024	671.990	649.176	615.142	594.462	574.882	557.392	542.212	522.676
160.0	706.464	686.620	666.952	647.196	620.136	601.678	583.946	567.974	553.828	531.586
162.5	694.232	678.216	661.914	645.216	625.130	608.872	592.988	578.534	565.466	540.496
165.0	682.000	669.812	656.876	643.214	630.102	616.066	602.030	589.116	577.104	549.406
167.5	668.844	659.010	648.538	637.494	626.736	615.098	603.240	592.020	581.548	558.140
170.0	655.688	648.208	640.178	631.774	623.370	614.130	604.428	594.924	585.970	566.852
172.5	642.532	637.406	631.818	626.054	620.004	613.162	605.638	597.828	590.414	575.586
175.0	629.376	626.604	623.458	620.312	616.638	612.194	606.848	600.754	594.836	584.298
177.5	608.454	607.068	605.484	603.922	602.074	599.874	597.190	594.132	591.184	585.926
180.0	587.400	587.400	587.400	587.400	587.400	587.400	587.400	587.400	587.400	587.400

**Vert.
Angles**

Horizontal Angles

	100	105	110	115	120	125	130	135	140	145
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	9.614	13.948	17.358	19.844	22.726	24.926	27.060	28.908	30.668	32.142
85.0	8.866	12.364	14.212	15.510	17.358	19.206	21.428	23.452	25.300	26.972
87.5	6.468	8.866	10.428	11.814	13.486	15.246	17.182	19.030	20.768	22.264
90.0	4.070	5.346	6.644	8.118	9.614	11.264	12.936	14.586	16.258	17.556
92.5	8.580	7.854	8.118	7.766	8.866	10.164	11.462	12.738	14.124	15.334
95.0	13.112	10.340	9.614	7.392	8.118	9.042	9.966	10.890	12.012	13.112
97.5	26.400	19.294	16.720	14.036	12.936	12.012	10.252	10.890	11.638	12.474
100.0	39.710	28.248	23.826	20.680	17.732	14.960	10.538	10.890	11.264	11.814
102.5	58.718	43.956	34.166	29.744	27.324	22.528	18.656	14.212	11.638	12.012
105.0	83.094	66.110	51.150	41.184	36.564	35.266	31.570	25.300	20.680	16.258
107.5	106.194	87.164	71.478	56.144	45.980	41.734	40.810	38.412	34.540	29.172
110.0	131.296	110.616	93.082	77.000	60.566	50.050	46.530	46.178	45.056	42.856
112.5	155.320	134.266	115.610	99.352	82.918	65.736	53.922	51.348	51.150	50.974
115.0	180.246	157.718	138.886	121.330	105.270	88.836	71.280	59.466	56.320	55.594
117.5	207.196	183.018	162.690	145.332	128.348	111.738	94.380	77.572	66.660	61.688
120.0	229.372	208.120	186.714	168.608	151.800	135.916	118.382	101.750	87.164	75.174
122.5	253.550	230.846	209.968	192.258	174.702	158.642	142.208	125.950	112.288	99.352
125.0	276.078	254.474	233.618	215.710	198.154	182.094	166.034	150.876	137.588	125.400
127.5	298.430	276.452	256.872	239.162	220.880	204.996	189.486	174.702	161.964	150.502
130.0	320.408	299.354	279.422	261.866	243.408	226.974	211.464	198.154	185.416	174.702
132.5	340.714	320.958	301.950	283.668	267.036	250.228	233.794	219.956	208.692	198.352
135.0	361.042	341.088	323.356	305.822	288.640	272.030	256.146	242.110	230.846	221.232
137.5	380.050	360.844	343.684	326.326	308.968	293.084	277.750	263.164	252.076	242.858
140.0	398.706	380.050	363.440	347.182	329.648	314.138	299.552	285.318	274.054	265.188
142.5	416.636	398.332	382.646	366.762	349.580	334.268	320.584	307.846	296.032	286.792
145.0	433.796	415.712	400.554	385.968	368.984	354.398	340.538	329.450	318.934	308.396
147.5	449.922	433.004	418.066	402.732	387.068	373.450	360.206	349.448	339.702	330.198
150.0	466.026	450.318	435.556	419.496	405.174	392.524	379.874	369.446	360.492	352.000
152.5	482.130	467.632	453.046	436.238	423.280	411.598	399.542	389.422	381.260	373.780
155.0	498.256	484.946	470.558	453.002	441.364	430.672	419.210	409.420	402.028	395.582
157.5	508.310	495.858	482.878	467.742	457.160	447.612	437.624	429.000	422.400	416.570
160.0	518.386	506.748	495.198	482.460	472.956	464.552	456.060	448.580	442.750	437.580
162.5	528.440	517.638	507.540	497.200	488.730	481.492	474.474	468.138	463.122	458.590
165.0	538.516	528.528	519.860	511.918	504.526	498.432	492.888	487.718	483.472	479.600
167.5	549.230	538.230	530.288	523.512	517.220	512.050	507.298	502.920	499.224	495.902

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CANDELA TABULATION - (Cont.)

170.0	559.922	547.932	540.716	535.084	529.914	525.668	521.708	518.100	514.954	512.204
172.5	570.636	557.634	551.166	546.678	542.630	539.286	536.118	533.302	530.706	528.484
175.0	581.350	567.314	561.594	558.272	555.324	552.904	550.506	548.482	546.458	544.786
177.5	584.452	577.434	574.574	572.902	571.428	570.218	569.030	568.018	566.984	566.170
180.0	587.400	587.400	587.400	587.400	587.400	587.400	587.400	587.400	587.400	587.400

**Vert.
Angles**

Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	33.616	35.090	35.926	36.762	37.224	37.488	37.686
85.0	28.248	29.744	30.668	31.394	31.944	32.494	33.242
87.5	23.540	25.036	26.136	26.972	27.522	27.984	28.248
90.0	18.832	20.306	21.604	22.528	23.078	23.452	23.276
92.5	16.522	17.644	18.656	19.492	20.042	20.416	20.306
95.0	14.212	14.960	15.708	16.434	16.984	17.358	17.358
97.5	13.288	13.948	14.674	15.246	15.708	15.884	16.060
100.0	12.364	12.936	13.662	14.036	14.410	14.410	14.784
102.5	12.188	12.562	12.936	13.288	13.662	13.662	13.662
105.0	13.486	13.112	12.936	13.112	13.486	13.288	13.288
107.5	23.826	19.580	16.434	14.212	14.036	13.860	13.662
110.0	39.886	36.388	32.868	29.744	27.698	26.048	25.476
112.5	50.050	48.576	46.904	45.056	44.132	43.032	42.856
115.0	56.144	56.144	55.594	54.846	54.670	54.296	53.922

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CANDELA TABULATION - (Cont.)

117.5	60.214	60.214	60.764	60.764	60.764	60.940	60.940
120.0	68.332	66.308	65.010	64.262	64.460	64.812	64.636
122.5	88.286	79.596	74.250	72.028	71.104	71.104	70.906
125.0	114.136	103.972	96.206	90.486	87.164	84.590	83.842
127.5	139.810	131.120	123.178	116.160	111.738	109.142	108.218
130.0	165.462	156.970	149.578	143.858	139.810	137.764	137.038
132.5	189.288	181.544	175.252	170.082	166.012	163.988	163.262
135.0	212.938	205.348	199.078	193.534	190.586	188.562	188.364
137.5	235.092	228.822	222.904	217.910	214.588	212.740	212.014
140.0	257.070	250.228	245.432	241.362	238.414	236.764	236.016
142.5	278.850	272.404	267.036	262.614	259.644	257.994	257.444
145.0	300.278	294.184	289.014	284.592	281.820	279.972	279.224
147.5	322.498	316.580	311.586	307.494	304.810	303.094	302.412
150.0	344.696	338.976	334.180	330.374	327.800	326.238	325.578
152.5	366.894	361.372	356.752	353.276	350.790	349.360	348.766
155.0	389.114	383.746	379.324	376.178	373.780	372.482	371.932
157.5	410.718	405.812	401.632	398.618	396.352	395.076	394.548
160.0	432.322	427.900	423.918	421.058	418.924	417.648	417.186
162.5	453.926	449.966	446.226	443.498	441.518	440.220	439.802
165.0	475.530	472.032	468.512	465.938	464.090	462.792	462.418
167.5	492.426	489.522	486.574	484.440	482.966	481.910	481.536
170.0	509.322	507.012	504.614	502.964	501.842	501.028	500.654
172.5	526.240	524.524	522.676	521.466	520.740	520.124	519.772
175.0	543.136	542.014	540.716	539.990	539.616	539.242	538.868
177.5	565.334	564.784	564.124	563.750	563.574	563.398	563.200
180.0	587.400	587.400	587.400	587.400	587.400	587.400	587.400

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	102.66	N.A.	2.50
10-90	102.66	N.A.	2.50
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	102.66	N.A.	2.50
90-110	1335.31	N.A.	33.00
90-120	2027.32	N.A.	50.10
90-130	2602.97	N.A.	64.30
90-150	3450.74	N.A.	85.30
90-180	3944.8	N.A.	97.50
110-180	2609.49	N.A.	64.50
0-180	4047.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	102.66
90-100	535.48
100-110	799.83
110-120	692.01
120-130	575.66
130-140	476.30
140-150	371.47
150-160	270.78
160-170	166.91
170-180	56.37

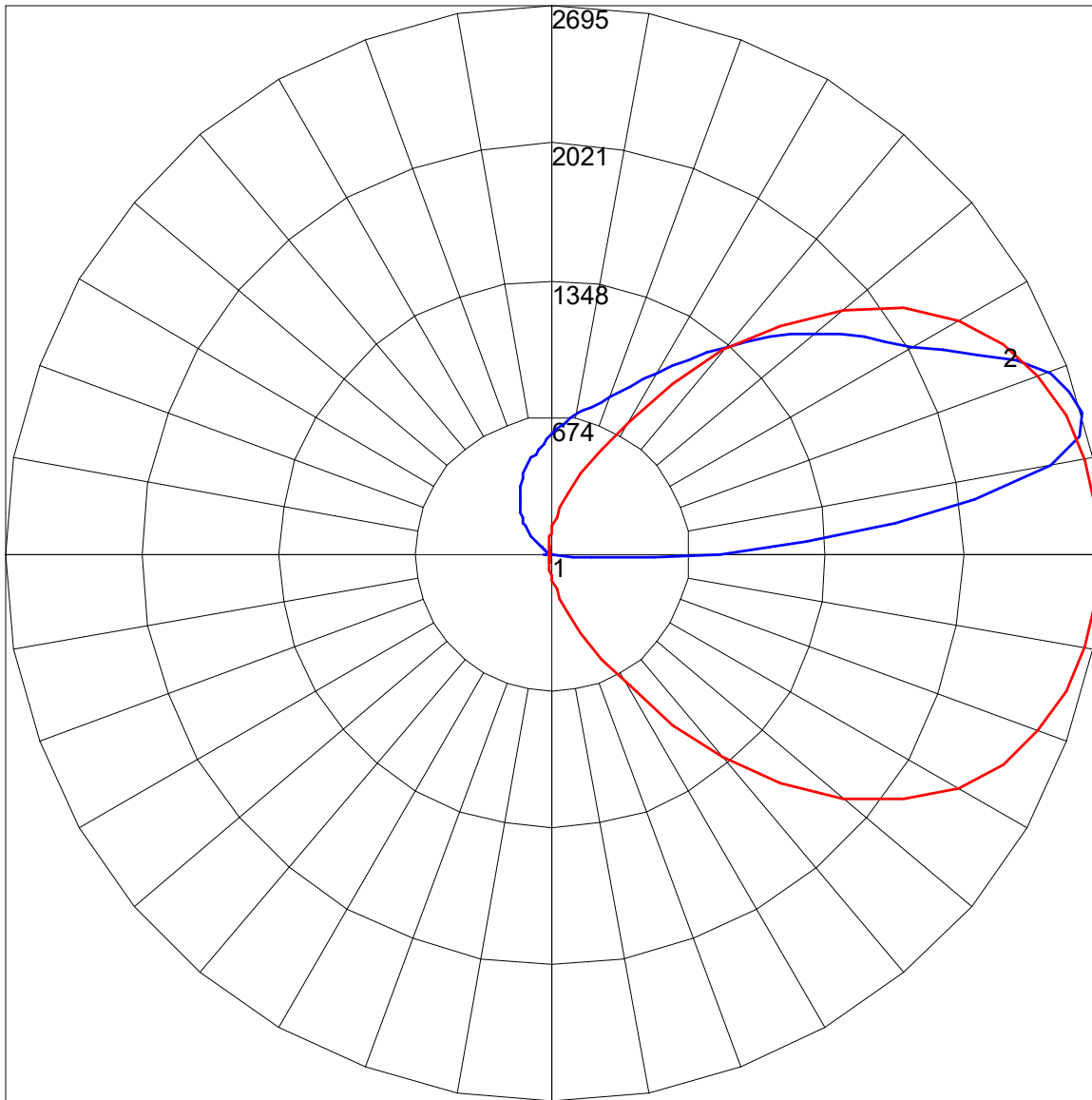
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	96	96	96	96	82	82	82	82	57	57	57	34	34	34	13	13	13	3
1	86	82	78	74	74	70	67	64	48	46	44	28	27	26	10	9	9	0
2	78	71	65	60	67	61	56	52	42	39	37	25	23	21	8	8	7	0
3	71	62	56	50	61	54	48	43	37	33	30	22	20	18	7	7	6	0
4	65	55	48	42	55	47	41	36	33	29	26	19	17	15	6	6	5	0
5	60	49	41	36	51	42	36	31	29	25	22	17	15	13	6	5	4	0
6	55	43	36	30	47	37	31	27	26	22	19	15	13	11	5	4	4	0
7	50	39	31	26	43	33	27	23	23	19	16	14	11	10	5	4	3	0
8	46	35	28	23	40	30	24	20	21	17	14	12	10	8	4	3	3	0
9	43	32	25	20	37	27	21	17	19	15	12	11	9	7	4	3	2	0
10	40	29	22	18	34	25	19	15	17	14	11	10	8	7	4	3	2	0

POLAR GRAPH



Maximum Candela = 2695.132 Located At Horizontal Angle = 0, Vertical Angle = 105
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (105) (Through Max. Cd.)