



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTG-24-L60-AMB-L134-835-SAF12125-DIM-UNV-AMBER ONLY_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL 12154994.01

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 13 FEB 2020

[MANUFAC] H E Williams Inc

[LUMCAT] MCTG-24-L60/AMB/L134/835-SAF12125-DIM-UNV-AMBER ONLY

[LUMINAIRE] White formed steel housing, frosted patterned plastic lens

[LAMP] HLM AMBER LEDs

[BALLAST] One Philips Advance XI054C150V054BST1 driver

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5850
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	89.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.54 ft
Luminous Width (90-270)	1.58 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3849	3794	3819
55	3277	3233	3255
65	2612	2583	2637
75	1811	1837	1967
85	751	840	991

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2476.810	2476.810	2476.810	2476.810	2476.810
0.5	2523.158	2489.788	2463.833	2461.979	2461.979
1.0	2523.158	2489.788	2463.833	2461.979	2460.125
1.5	2521.304	2487.934	2463.833	2461.979	2460.125
2.0	2521.304	2487.934	2461.979	2460.125	2458.271
2.5	2519.450	2486.080	2461.979	2460.125	2458.271
3.0	2517.596	2484.226	2460.125	2458.271	2456.417
3.5	2515.742	2482.372	2458.271	2456.417	2454.564
4.0	2513.888	2480.518	2456.417	2454.564	2452.710
4.5	2512.034	2478.664	2452.710	2452.710	2450.856
5.0	2508.327	2476.810	2450.856	2449.002	2449.002
5.5	2506.473	2473.103	2449.002	2447.148	2447.148
6.0	2502.765	2469.395	2445.294	2443.440	2443.440
6.5	2499.057	2465.687	2441.586	2441.586	2439.732
7.0	2495.349	2461.979	2437.878	2437.878	2436.025
7.5	2489.788	2458.271	2434.171	2434.171	2432.317
8.0	2486.080	2454.564	2430.463	2428.609	2428.609
8.5	2480.518	2449.002	2424.901	2424.901	2424.901
9.0	2474.956	2443.440	2421.193	2421.193	2419.339
9.5	2471.249	2437.878	2415.632	2415.632	2415.632
10.0	2465.687	2432.317	2410.070	2410.070	2410.070
10.5	2458.271	2426.755	2406.362	2404.508	2404.508
11.0	2452.710	2421.193	2398.947	2398.947	2398.947
11.5	2445.294	2413.778	2393.385	2393.385	2393.385
12.0	2437.878	2408.216	2387.823	2387.823	2387.823
12.5	2430.463	2400.800	2380.408	2380.408	2382.261
13.0	2423.047	2393.385	2372.992	2374.846	2374.846
13.5	2415.632	2384.115	2365.576	2367.430	2367.430
14.0	2406.362	2376.700	2358.161	2360.015	2361.869
14.5	2398.947	2369.284	2350.745	2352.599	2354.453
15.0	2389.677	2360.015	2341.476	2345.183	2347.037
15.5	2380.408	2350.745	2334.060	2335.914	2337.768
16.0	2371.138	2341.476	2324.791	2328.498	2330.352
16.5	2361.869	2332.206	2315.521	2319.229	2321.083
17.0	2350.745	2322.937	2306.252	2309.959	2313.667
17.5	2341.476	2313.667	2295.128	2300.690	2302.544
18.0	2332.206	2302.544	2285.859	2291.420	2293.274
18.5	2321.083	2291.420	2274.735	2280.297	2284.005
19.0	2309.959	2282.151	2263.612	2269.174	2272.881
19.5	2298.836	2271.027	2254.342	2259.904	2263.612
20.0	2287.713	2258.050	2243.219	2248.781	2252.488
20.5	2276.589	2246.927	2232.096	2237.657	2241.365
21.0	2263.612	2235.803	2219.118	2224.680	2230.242
21.5	2250.635	2224.680	2207.995	2213.557	2217.264
22.0	2239.511	2211.703	2196.871	2200.579	2206.141
22.5	2226.534	2198.725	2183.894	2189.456	2193.164
23.0	2213.557	2185.748	2170.917	2176.479	2182.040
23.5	2200.579	2172.771	2159.793	2163.501	2169.063
24.0	2185.748	2159.793	2144.962	2150.524	2156.086
24.5	2172.771	2146.816	2131.985	2137.547	2143.108
25.0	2157.940	2133.839	2119.008	2124.569	2130.131
25.5	2143.108	2119.008	2106.030	2111.592	2115.300
26.0	2128.277	2106.030	2091.199	2096.761	2102.323
26.5	2113.446	2091.199	2076.368	2081.930	2087.491

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27.0	2098.615	2076.368	2061.537	2067.098	2072.660
27.5	2083.784	2061.537	2046.706	2052.267	2057.829
28.0	2068.952	2046.706	2031.874	2037.436	2042.998
28.5	2052.267	2031.874	2017.043	2022.605	2028.167
29.0	2035.582	2015.189	2000.358	2007.774	2013.335
29.5	2018.897	2000.358	1985.527	1991.089	1996.650
30.0	2004.066	1983.673	1970.696	1976.257	1981.819
30.5	1987.381	1966.988	1954.011	1959.572	1965.134
31.0	1970.696	1950.303	1937.325	1942.887	1948.449
31.5	1954.011	1933.618	1920.640	1926.202	1931.764
32.0	1937.325	1916.933	1903.955	1909.517	1916.933
32.5	1920.640	1898.394	1887.270	1892.832	1898.394
33.0	1902.101	1881.708	1870.585	1876.147	1881.708
33.5	1885.416	1865.023	1853.158	1859.462	1865.023
34.0	1868.731	1846.484	1835.546	1841.108	1847.597
34.5	1849.636	1828.502	1817.749	1823.311	1829.985
35.0	1831.097	1809.963	1799.581	1805.328	1812.187
35.5	1812.373	1791.424	1781.042	1787.160	1794.019
36.0	1793.092	1772.699	1762.317	1768.435	1775.665
36.5	1773.441	1753.789	1743.593	1749.896	1756.941
37.0	1753.419	1734.694	1724.869	1731.172	1737.660
37.5	1733.211	1715.414	1705.588	1712.077	1718.380
38.0	1712.633	1695.762	1686.307	1692.611	1698.729
38.5	1691.684	1675.926	1666.841	1673.145	1678.892
39.0	1670.920	1655.903	1646.819	1653.123	1658.684
39.5	1649.971	1635.511	1626.797	1632.915	1638.291
40.0	1629.022	1615.488	1606.775	1612.522	1618.455
40.5	1608.258	1594.910	1586.568	1591.944	1597.876
41.0	1587.309	1574.517	1566.360	1571.366	1577.483
41.5	1566.175	1553.754	1545.967	1550.602	1556.349
42.0	1545.411	1532.990	1525.389	1529.838	1535.215
42.5	1524.277	1511.670	1504.440	1508.889	1513.895
43.0	1503.142	1490.350	1483.491	1487.569	1492.760
43.5	1482.193	1469.586	1462.356	1466.620	1471.811
44.0	1460.873	1448.637	1441.036	1444.930	1450.306
44.5	1440.295	1427.503	1420.087	1423.610	1429.171
45.0	1419.160	1406.369	1398.953	1402.105	1407.852
45.5	1398.026	1384.863	1377.633	1380.599	1386.346
46.0	1376.706	1363.173	1356.128	1358.909	1364.285
46.5	1355.201	1341.482	1334.437	1337.218	1342.409
47.0	1332.954	1319.606	1312.561	1315.527	1320.533
47.5	1310.893	1297.915	1290.500	1293.837	1298.657
48.0	1288.460	1276.225	1268.624	1271.775	1276.966
48.5	1265.843	1254.349	1246.748	1250.270	1255.090
49.0	1243.225	1232.287	1225.057	1228.580	1233.029
49.5	1220.422	1210.411	1203.366	1206.703	1210.967
50.0	1197.990	1188.350	1181.676	1185.013	1188.906
50.5	1175.373	1166.288	1159.985	1163.322	1166.845
51.0	1152.940	1144.227	1138.480	1141.632	1144.969
51.5	1130.508	1122.536	1116.604	1119.756	1123.093
52.0	1108.447	1100.660	1094.728	1097.880	1101.773
52.5	1086.200	1079.155	1073.037	1076.189	1080.268
53.0	1064.509	1057.650	1051.532	1054.498	1058.762
53.5	1043.375	1036.330	1030.398	1033.178	1037.257
54.0	1022.240	1014.825	1009.449	1011.859	1015.752
54.5	1000.921	993.320	988.314	990.910	994.617

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55.0	980.157	972.000	966.994	969.590	973.483
55.5	959.393	951.051	946.045	948.270	952.534
56.0	938.815	930.102	925.096	927.506	931.770
56.5	918.237	909.338	904.332	906.742	911.006
57.0	897.844	888.574	883.383	886.164	890.614
57.5	877.080	867.811	862.620	865.586	870.591
58.0	856.316	847.232	842.227	845.193	849.828
58.5	835.553	826.654	822.019	824.985	829.249
59.0	814.974	805.890	801.812	804.963	809.227
59.5	794.396	785.497	781.419	784.941	789.391
60.0	773.818	765.105	761.397	765.105	769.183
60.5	753.610	744.897	741.189	745.453	749.532
61.0	733.032	724.875	721.538	725.987	730.251
61.5	712.639	705.224	701.887	706.707	710.971
62.0	692.061	685.572	682.421	687.611	691.690
62.5	671.668	666.292	663.140	668.516	672.595
63.0	651.831	646.826	644.045	649.792	653.500
63.5	632.551	627.731	625.320	631.068	635.146
64.0	613.641	608.265	606.411	612.529	616.793
64.5	594.731	589.355	587.686	594.360	598.810
65.0	575.636	571.001	569.147	576.192	581.012
65.5	557.097	553.018	551.164	558.395	563.215
66.0	539.114	535.221	533.182	540.783	545.788
66.5	521.131	517.238	515.755	523.356	528.547
67.0	503.519	499.441	498.143	506.300	511.306
67.5	486.093	481.829	480.716	489.430	494.435
68.0	468.481	464.402	463.660	472.744	477.935
68.5	451.425	447.161	446.975	456.245	461.436
69.0	434.740	430.105	430.290	439.745	445.307
69.5	418.240	413.420	413.790	423.616	428.992
70.0	401.555	396.920	397.476	407.673	413.234
70.5	384.870	380.791	381.533	391.729	397.847
71.0	367.814	364.848	365.960	375.971	382.274
71.5	351.314	348.719	350.387	360.398	367.072
72.0	335.000	332.960	335.000	345.382	351.870
72.5	319.427	317.202	319.798	330.180	336.854
73.0	303.854	302.000	304.967	315.348	322.022
73.5	288.467	286.984	290.506	300.703	307.377
74.0	273.636	272.709	276.046	286.428	293.102
74.5	258.804	258.434	261.771	272.153	279.197
75.0	244.344	244.529	247.866	258.248	265.478
75.5	229.884	230.811	234.333	244.715	251.945
76.0	216.165	217.462	220.985	231.367	238.597
76.5	203.002	204.114	208.008	218.389	224.878
77.0	189.839	191.137	195.401	205.598	212.086
77.5	177.418	178.531	182.980	192.991	199.480
78.0	165.182	166.295	170.744	180.570	187.244
78.5	153.503	154.615	159.065	168.705	175.008
79.0	142.194	143.306	147.756	156.840	162.958
79.5	131.256	131.998	136.447	145.531	151.464
80.0	120.503	121.060	125.324	134.408	140.340
80.5	110.122	110.678	114.756	123.841	129.402
81.0	99.740	100.296	104.745	113.644	118.279
81.5	90.100	90.470	94.920	103.448	107.526
82.0	80.830	81.015	85.465	93.622	97.330
82.5	72.117	72.117	76.381	84.352	87.875

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83.0	63.960	63.960	68.038	75.268	78.605
83.5	55.802	56.173	59.696	66.555	69.521
84.0	48.016	48.943	52.280	58.583	60.993
84.5	40.786	41.898	44.864	50.982	52.836
85.0	34.112	35.409	38.190	43.752	45.050
85.5	28.179	29.477	32.072	36.893	37.820
86.0	22.803	24.101	26.511	30.404	31.331
86.5	17.983	19.466	21.320	24.657	25.028
87.0	13.719	15.202	16.870	19.466	19.837
87.5	10.011	11.309	12.977	14.646	15.202
88.0	7.045	8.157	9.455	10.753	10.938
88.5	4.635	5.562	6.489	7.416	7.601
89.0	2.966	3.708	4.264	4.820	5.006
89.5	1.854	2.225	2.595	3.152	3.337
90.0	0.927	1.298	1.669	2.039	1.854
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTG-24-L60-AMB-L134-835-SAF12125-DIM-UNV-AMBER ONLY_.IES****CANDELA TABULATION - (Cont.)**

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTG-24-L60-AMB-L134-835-SAF12125-DIM-UNV-AMBER ONLY_.IES****CANDELA TABULATION - (Cont.)**

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTG-24-L60-AMB-L134-835-SAF12125-DIM-UNV-AMBER ONLY_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	897.09	N.A.	15.30
0-30	1877.1	N.A.	32.10
0-40	3006.3	N.A.	51.40
0-60	4957.73	N.A.	84.70
0-80	5798.05	N.A.	99.10
0-90	5849.98	N.A.	100.00
10-90	5616.09	N.A.	96.00
20-40	2109.2	N.A.	36.10
20-50	3191.42	N.A.	54.60
40-70	2522.07	N.A.	43.10
60-80	840.32	N.A.	14.40
70-80	269.69	N.A.	4.60
80-90	51.93	N.A.	0.90
90-110	0.04	N.A.	0.00
90-120	0.04	N.A.	0.00
90-130	0.04	N.A.	0.00
90-150	0.04	N.A.	0.00
90-180	0.04	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5850.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	233.89
10-20	663.20
20-30	980.01
30-40	1129.2
40-50	1082.22
50-60	869.22
60-70	570.64
70-80	269.69
80-90	51.93
90-100	0.04
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTG-24-L60-AMB-L134-835-SAF12125-DIM-UNV-AMBER ONLY_.IES

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	114	114	114	114	111	111	111	111	106	106	106	102	102	102	97	97	97	96
1	105	101	97	94	102	99	95	92	95	92	89	91	89	87	88	86	84	82
2	96	89	83	78	94	87	82	77	84	79	75	81	77	74	78	75	72	70
3	88	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62	60
4	81	70	62	56	79	69	62	56	67	60	55	65	59	55	63	58	54	52
5	75	63	55	49	73	62	55	49	60	53	48	58	52	48	57	51	47	45
6	69	57	49	43	68	56	49	43	55	48	43	53	47	42	52	46	42	40
7	64	52	44	38	63	51	44	38	50	43	38	49	42	38	47	42	38	36
8	60	48	40	34	59	47	40	34	46	39	34	45	38	34	44	38	34	32
9	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29
10	53	41	33	28	52	40	33	28	39	33	28	38	32	28	37	32	28	26

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTG-24-L60-AMB-L134-835-SAF12125-DIM-UNV-AMBER ONLY_.IES

UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	16.0	17.5	16.3	17.8	18.2	16.0	17.5	16.3	17.8	18.1
	3H	17.3	18.7	17.7	19.0	19.4	17.3	18.7	17.7	19.1	19.4
	4H	17.7	19.0	18.1	19.4	19.7	17.8	19.1	18.2	19.5	19.8
	6H	17.9	19.1	18.3	19.5	19.9	18.1	19.3	18.5	19.7	20.0
	8H	18.0	19.1	18.4	19.5	19.9	18.1	19.3	18.6	19.7	20.1
	12H	18.0	19.1	18.4	19.4	19.9	18.2	19.3	18.6	19.6	20.1

UGR Viewed Endwise

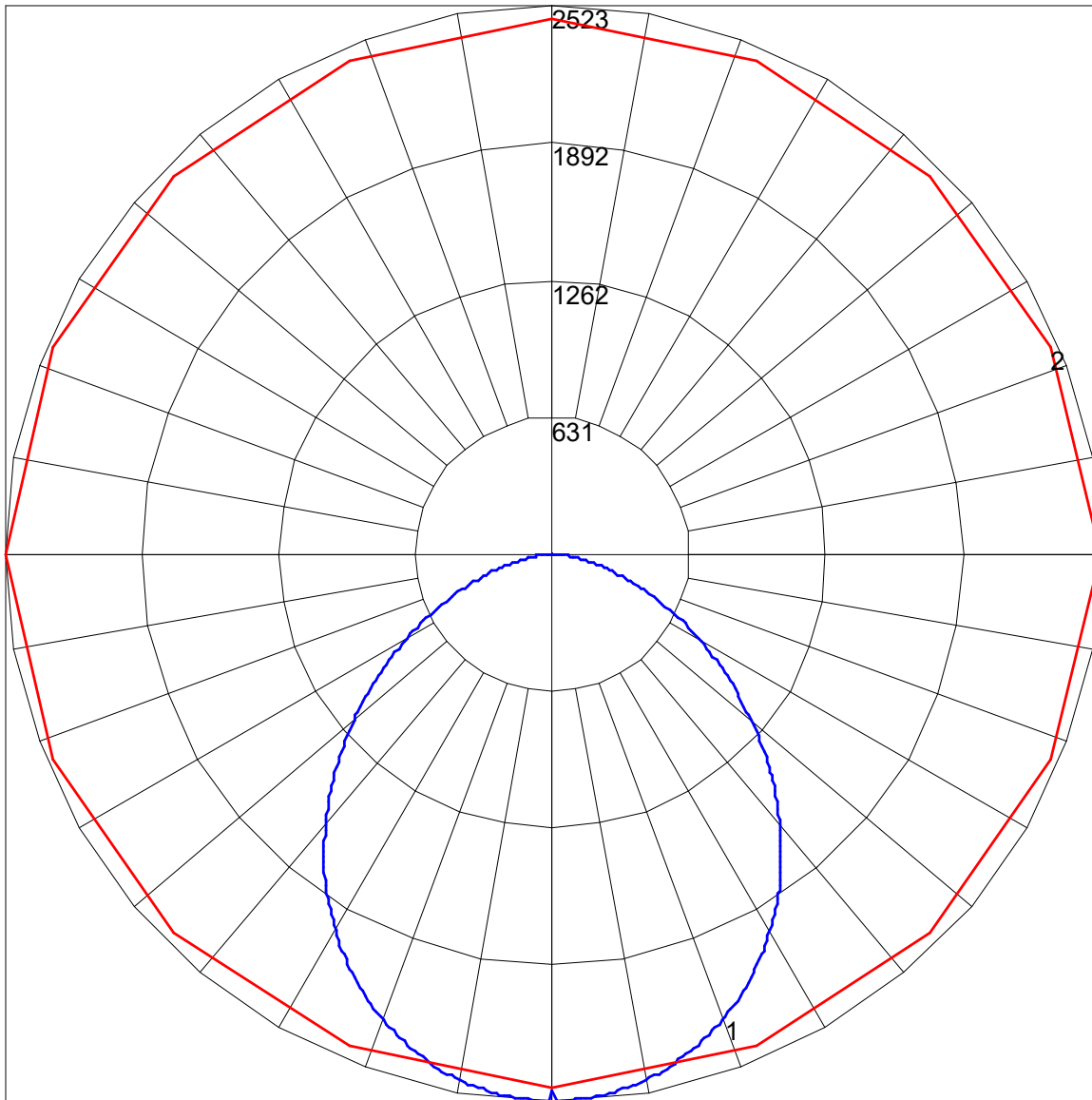
4H	2H	16.5	17.8	16.9	18.1	18.5	16.4	17.7	16.8	18.1	18.5
	3H	18.0	19.1	18.4	19.5	19.9	18.0	19.1	18.4	19.5	19.9
	4H	18.5	19.4	18.9	19.9	20.3	18.6	19.5	19.0	20.0	20.4
	6H	18.8	19.6	19.2	20.1	20.5	18.9	19.8	19.4	20.2	20.7
	8H	18.8	19.6	19.3	20.1	20.5	19.0	19.8	19.5	20.3	20.7
	12H	18.8	19.6	19.3	20.0	20.5	19.1	19.8	19.6	20.3	20.7
8H	4H	18.6	19.4	19.1	19.9	20.3	18.7	19.5	19.2	20.0	20.4
	6H	19.0	19.7	19.5	20.2	20.6	19.2	19.8	19.7	20.3	20.8
	8H	19.1	19.7	19.6	20.2	20.7	19.3	19.9	19.8	20.4	20.9
	12H	19.1	19.7	19.7	20.2	20.7	19.4	19.9	19.9	20.4	21.0
12H	4H	18.6	19.4	19.1	19.8	20.3	18.7	19.4	19.2	19.9	20.4
	6H	19.0	19.6	19.5	20.1	20.6	19.2	19.8	19.7	20.2	20.8
	8H	19.1	19.7	19.6	20.1	20.7	19.3	19.9	19.9	20.4	20.9

Maximum UGR = 21.0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTG-24-L60-AMB-L134-835-SAF12125-DIM-UNV-AMBER ONLY_.IES

POLAR GRAPH



Maximum Candela = 2523.158 Located At Horizontal Angle = 0, Vertical Angle = .5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)