



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTG-22-L56-AMB-L36-835-SAF12125-DIM-UNV-AMBER ONLY_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN fom UL TEST 12154994.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 13-FWB-2020

[MANUFAC] H E Williams Inc

[LUMCAT] MCTG-22-L56/AMB/L36/835-SAF12125-DIM-UNV-AMBER ONLY

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

[MORE] enclosure

[LAMP] HLM AMBER LEDs

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5574
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	86.9
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)	1.58 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	8207	8090	8141
55	6988	6894	6940
65	5570	5507	5622
75	3860	3916	4194
85	1600	1792	2114

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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	2360.013	2360.013	2360.013	2360.013	2360.013
0.5	2404.175	2372.379	2347.648	2345.881	2345.881
1.0	2404.175	2372.379	2347.648	2345.881	2344.115
1.5	2402.409	2370.612	2347.648	2345.881	2344.115
2.0	2402.409	2370.612	2345.881	2344.115	2342.348
2.5	2400.642	2368.846	2345.881	2344.115	2342.348
3.0	2398.876	2367.079	2344.115	2342.348	2340.582
3.5	2397.109	2365.313	2342.348	2340.582	2338.816
4.0	2395.343	2363.546	2340.582	2338.816	2337.049
4.5	2393.576	2361.780	2337.049	2337.049	2335.283
5.0	2390.043	2360.013	2335.283	2333.516	2333.516
5.5	2388.277	2356.480	2333.516	2331.750	2331.750
6.0	2384.744	2352.947	2329.983	2328.217	2328.217
6.5	2381.211	2349.414	2326.450	2326.450	2324.684
7.0	2377.678	2345.881	2322.917	2322.917	2321.151
7.5	2372.379	2342.348	2319.384	2319.384	2317.618
8.0	2368.846	2338.816	2315.851	2314.085	2314.085
8.5	2363.546	2333.516	2310.552	2310.552	2310.552
9.0	2358.247	2328.217	2307.019	2307.019	2305.252
9.5	2354.714	2322.917	2301.720	2301.720	2301.720
10.0	2349.414	2317.618	2296.420	2296.420	2296.420
10.5	2342.348	2312.318	2292.887	2291.121	2291.121
11.0	2337.049	2307.019	2285.821	2285.821	2285.821
11.5	2329.983	2299.953	2280.522	2280.522	2280.522
12.0	2322.917	2294.654	2275.222	2275.222	2275.222
12.5	2315.851	2287.588	2268.156	2268.156	2269.923
13.0	2308.785	2280.522	2261.091	2262.857	2262.857
13.5	2301.720	2271.689	2254.025	2255.791	2255.791
14.0	2292.887	2264.623	2246.959	2248.725	2250.492
14.5	2285.821	2257.558	2239.893	2241.659	2243.426
15.0	2276.989	2248.725	2231.060	2234.593	2236.360
15.5	2268.156	2239.893	2223.995	2225.761	2227.527
16.0	2259.324	2231.060	2215.162	2218.695	2220.462
16.5	2250.492	2222.228	2206.330	2209.863	2211.629
17.0	2239.893	2213.396	2197.497	2201.030	2204.563
17.5	2231.060	2204.563	2186.899	2192.198	2193.964
18.0	2222.228	2193.964	2178.066	2183.366	2185.132
18.5	2211.629	2183.366	2167.467	2172.767	2176.300
19.0	2201.030	2174.533	2156.868	2162.168	2165.701
19.5	2190.431	2163.934	2148.036	2153.335	2156.868
20.0	2179.833	2151.569	2137.437	2142.737	2146.270
20.5	2169.234	2140.970	2126.838	2132.138	2135.671
21.0	2156.868	2130.371	2114.473	2119.772	2125.072
21.5	2144.503	2119.772	2103.874	2109.174	2112.706
22.0	2133.904	2107.407	2093.275	2096.808	2102.108
22.5	2121.539	2095.042	2080.910	2086.209	2089.742
23.0	2109.174	2082.676	2068.545	2073.844	2079.143
23.5	2096.808	2070.311	2057.946	2061.479	2066.778
24.0	2082.676	2057.946	2043.814	2049.113	2054.413
24.5	2070.311	2045.580	2031.449	2036.748	2042.047
25.0	2056.179	2033.215	2019.083	2024.383	2029.682
25.5	2042.047	2019.083	2006.718	2012.017	2015.550
26.0	2027.916	2006.718	1992.586	1997.885	2003.185
26.5	2013.784	1992.586	1978.454	1983.754	1989.053

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27.0	1999.652	1978.454	1964.322	1969.622	1974.921
27.5	1985.520	1964.322	1950.191	1955.490	1960.789
28.0	1971.388	1950.191	1936.059	1941.358	1946.658
28.5	1955.490	1936.059	1921.927	1927.226	1932.526
29.0	1939.592	1920.160	1906.029	1913.095	1918.394
29.5	1923.693	1906.029	1891.897	1897.196	1902.496
30.0	1909.562	1890.130	1877.765	1883.064	1888.364
30.5	1893.663	1874.232	1861.867	1867.166	1872.466
31.0	1877.765	1858.334	1845.968	1851.268	1856.567
31.5	1861.867	1842.435	1830.070	1835.370	1840.669
32.0	1845.968	1826.537	1814.172	1819.471	1826.537
32.5	1830.070	1808.872	1798.274	1803.573	1808.872
33.0	1812.405	1792.974	1782.375	1787.675	1792.974
33.5	1796.507	1777.076	1765.770	1771.776	1777.076
34.0	1780.609	1759.411	1748.989	1754.288	1760.471
34.5	1762.414	1742.276	1732.031	1737.330	1743.689
35.0	1744.749	1724.611	1714.719	1720.195	1726.731
35.5	1726.908	1706.947	1697.054	1702.884	1709.420
36.0	1708.537	1689.105	1679.213	1685.042	1691.932
36.5	1689.812	1671.087	1661.372	1667.378	1674.090
37.0	1670.734	1652.893	1643.530	1649.536	1655.719
37.5	1651.479	1634.521	1625.159	1631.341	1637.348
38.0	1631.871	1615.797	1606.787	1612.793	1618.623
38.5	1611.910	1596.895	1588.239	1594.245	1599.722
39.0	1592.126	1577.817	1569.162	1575.168	1580.467
39.5	1572.165	1558.386	1550.084	1555.913	1561.036
40.0	1552.203	1539.308	1531.006	1536.482	1542.134
40.5	1532.419	1519.700	1511.751	1516.874	1522.527
41.0	1512.458	1500.269	1492.496	1497.266	1503.095
41.5	1492.320	1480.484	1473.065	1477.481	1482.957
42.0	1472.535	1460.700	1453.457	1457.697	1462.820
42.5	1452.397	1440.385	1433.496	1437.736	1442.505
43.0	1432.260	1420.071	1413.535	1417.421	1422.367
43.5	1412.298	1400.286	1393.397	1397.460	1402.406
44.0	1391.984	1380.325	1373.083	1376.792	1381.915
44.5	1372.376	1360.187	1353.121	1356.478	1361.777
45.0	1352.238	1340.049	1332.984	1335.987	1341.463
45.5	1332.100	1319.558	1312.669	1315.495	1320.971
46.0	1311.786	1298.891	1292.178	1294.828	1299.950
46.5	1291.295	1278.223	1271.510	1274.160	1279.106
47.0	1270.097	1257.378	1250.666	1253.492	1258.262
47.5	1249.076	1236.711	1229.645	1232.824	1237.417
48.0	1227.702	1216.043	1208.800	1211.803	1216.749
48.5	1206.150	1195.198	1187.956	1191.312	1195.905
49.0	1184.599	1174.177	1167.288	1170.644	1174.884
49.5	1162.872	1153.333	1146.620	1149.800	1153.863
50.0	1141.497	1132.312	1125.952	1129.132	1132.842
50.5	1119.946	1111.291	1105.285	1108.464	1111.821
51.0	1098.572	1090.270	1084.794	1087.797	1090.976
51.5	1077.198	1069.602	1063.949	1066.952	1070.132
52.0	1056.177	1048.757	1043.105	1046.108	1049.817
52.5	1034.979	1028.266	1022.437	1025.440	1029.326
53.0	1014.311	1007.775	1001.946	1004.772	1008.835
53.5	994.173	987.461	981.808	984.458	988.344
54.0	974.035	966.970	961.847	964.143	967.853
54.5	953.721	946.478	941.709	944.182	947.715

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55.0	933.936	926.164	921.394	923.867	927.577
55.5	914.152	906.203	901.433	903.553	907.616
56.0	894.544	886.242	881.472	883.768	887.831
56.5	874.936	866.457	861.687	863.984	868.047
57.0	855.505	846.672	841.726	844.376	848.616
57.5	835.720	826.888	821.942	824.768	829.538
58.0	815.936	807.280	802.510	805.337	809.753
58.5	796.151	787.672	783.256	786.082	790.145
59.0	776.543	767.888	764.001	767.004	771.067
59.5	756.935	748.456	744.570	747.926	752.166
60.0	737.327	729.025	725.492	729.025	732.911
60.5	718.073	709.770	706.238	710.300	714.187
61.0	698.465	690.693	687.513	691.752	695.815
61.5	679.034	671.968	668.788	673.381	677.444
62.0	659.426	653.243	650.240	655.186	659.073
62.5	639.995	634.872	631.869	636.992	640.878
63.0	621.093	616.324	613.674	619.150	622.683
63.5	602.722	598.129	595.833	601.309	605.195
64.0	584.704	579.581	577.815	583.644	587.707
64.5	566.686	561.563	559.973	566.333	570.572
65.0	548.491	544.075	542.308	549.021	553.614
65.5	530.826	526.940	525.174	532.063	536.656
66.0	513.692	509.982	508.039	515.281	520.051
66.5	496.557	492.847	491.434	498.676	503.623
67.0	479.775	475.889	474.652	482.425	487.194
67.5	463.170	459.107	458.047	466.350	471.119
68.0	446.389	442.502	441.796	450.452	455.398
68.5	430.137	426.074	425.898	434.730	439.676
69.0	414.239	409.823	409.999	419.008	424.308
69.5	398.517	393.924	394.278	403.640	408.763
70.0	382.619	378.203	378.733	388.448	393.748
70.5	366.721	362.834	363.541	373.257	379.086
71.0	350.469	347.643	348.703	358.242	364.248
71.5	334.747	332.274	333.864	343.403	349.762
72.0	319.202	317.259	319.202	329.095	335.277
72.5	304.364	302.244	304.717	314.610	320.969
73.0	289.526	287.759	290.585	300.478	306.837
73.5	274.864	273.451	276.807	286.523	292.882
74.0	260.732	259.849	263.028	272.921	279.280
74.5	246.600	246.247	249.427	259.319	266.031
75.0	232.822	232.998	236.178	246.070	252.960
75.5	219.043	219.926	223.283	233.175	240.064
76.0	205.971	207.208	210.564	220.456	227.346
76.5	193.429	194.489	198.199	208.091	214.274
77.0	180.887	182.124	186.187	195.902	202.085
77.5	169.052	170.112	174.351	183.890	190.073
78.0	157.393	158.453	162.693	172.055	178.414
78.5	146.264	147.324	151.564	160.749	166.755
79.0	135.489	136.549	140.788	149.444	155.273
79.5	125.067	125.773	130.013	138.668	144.321
80.0	114.821	115.351	119.414	128.070	133.722
80.5	104.929	105.459	109.345	118.001	123.300
81.0	95.036	95.566	99.806	108.285	112.701
81.5	85.851	86.204	90.444	98.569	102.456
82.0	77.018	77.195	81.435	89.207	92.740
82.5	68.716	68.716	72.779	80.375	83.731

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83.0	60.943	60.943	64.830	71.719	74.899
83.5	53.171	53.524	56.881	63.417	66.243
84.0	45.752	46.635	49.815	55.821	58.117
84.5	38.862	39.922	42.749	48.578	50.345
85.0	32.503	33.740	36.389	41.689	42.925
85.5	26.850	28.087	30.560	35.153	36.036
86.0	21.728	22.964	25.261	28.970	29.853
86.5	17.135	18.548	20.314	23.494	23.847
87.0	13.072	14.485	16.075	18.548	18.901
87.5	9.539	10.776	12.365	13.955	14.485
88.0	6.713	7.772	9.009	10.246	10.422
88.5	4.416	5.299	6.183	7.066	7.243
89.0	2.826	3.533	4.063	4.593	4.769
89.5	1.766	2.120	2.473	3.003	3.180
90.0	0.883	1.237	1.590	1.943	1.766
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-22-L56-AMB-L36-835-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-22-L56-AMB-L36-835-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-22-L56-AMB-L36-835-SAF12125-DIM-UNV-AMBER ONLY_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	854.79	N.A.	15.30
0-30	1788.58	N.A.	32.10
0-40	2864.53	N.A.	51.40
0-60	4723.94	N.A.	84.70
0-80	5524.64	N.A.	99.10
0-90	5574.11	N.A.	100.00
10-90	5351.26	N.A.	96.00
20-40	2009.74	N.A.	36.10
20-50	3040.92	N.A.	54.60
40-70	2403.14	N.A.	43.10
60-80	800.70	N.A.	14.40
70-80	256.97	N.A.	4.60
80-90	49.48	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	5574.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	222.86
10-20	631.93
20-30	933.79
30-40	1075.95
40-50	1031.18
50-60	828.23
60-70	543.73
70-80	256.97
80-90	49.48
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-22-L56-AMB-L36-835-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	238	238	238	238	233	233	233	233	222	222	222	213	213	213	204	204	204	200
1	220	211	203	197	214	207	200	193	198	192	187	191	186	182	183	180	176	172
2	201	186	174	163	196	183	171	161	176	166	158	169	161	154	163	157	151	146
3	185	165	150	138	180	162	148	137	156	144	134	151	141	132	146	137	130	126
4	170	147	131	118	166	145	129	117	140	126	116	135	124	114	131	121	113	109
5	157	132	115	103	153	130	114	102	126	112	101	122	110	100	119	108	99	95
6	145	120	103	91	142	118	102	90	114	100	89	111	98	89	108	97	88	84
7	135	109	92	81	132	108	92	80	104	90	80	102	89	79	99	87	79	75
8	126	100	83	72	123	99	83	72	96	82	72	93	81	71	91	79	71	67
9	118	92	76	65	115	91	76	65	88	75	65	86	74	65	84	73	64	61
10	111	85	70	59	108	84	69	59	82	68	59	80	68	59	78	67	59	55

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTG-22-L56-AMB-L36-835-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	16.1	17.6	16.4	17.9	18.3	UGR Viewed Endwise	16.1	17.6	16.4	17.9	18.2
	3H	17.4	18.8	17.8	19.1	19.5		17.4	18.8	17.8	19.2	19.5
	4H	17.8	19.1	18.2	19.5	19.8		17.9	19.2	18.3	19.6	19.9
	6H	18.0	19.2	18.4	19.6	20.0		18.2	19.4	18.6	19.7	20.1
	8H	18.1	19.2	18.5	19.6	20.0		18.2	19.4	18.7	19.8	20.2
	12H	18.1	19.2	18.5	19.5	20.0		18.3	19.4	18.7	19.7	20.2

4H	2H	16.6	17.9	17.0	18.2	18.6	16.5	17.8	16.9	18.2	18.6
	3H	18.1	19.2	18.5	19.6	20.0	18.1	19.2	18.5	19.6	20.0
	4H	18.6	19.5	19.0	20.0	20.4	18.7	19.6	19.1	20.1	20.5
	6H	18.9	19.7	19.3	20.2	20.6	19.0	19.9	19.5	20.3	20.8
	8H	18.9	19.7	19.4	20.2	20.6	19.1	19.9	19.6	20.4	20.8
	12H	18.9	19.7	19.4	20.1	20.6	19.2	19.9	19.7	20.4	20.8

8H	4H	18.7	19.5	19.2	20.0	20.4	18.8	19.6	19.3	20.1	20.5
	6H	19.1	19.8	19.6	20.3	20.7	19.3	19.9	19.8	20.4	20.9
	8H	19.2	19.8	19.7	20.3	20.8	19.4	20.0	19.9	20.5	21.0
	12H	19.2	19.8	19.8	20.2	20.8	19.5	20.0	20.0	20.5	21.1

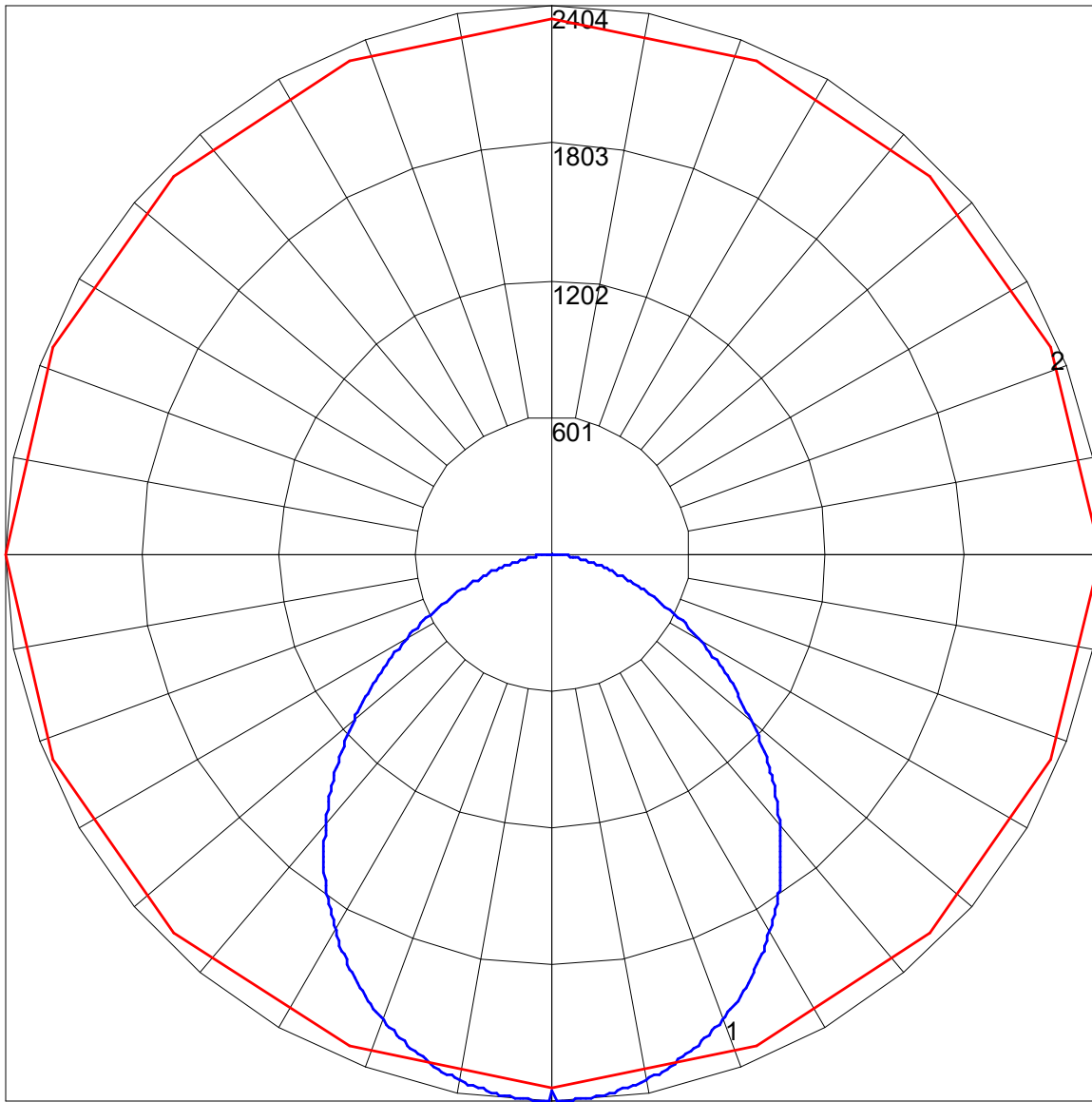
12H	4H	18.7	19.5	19.2	19.9	20.4	18.8	19.5	19.3	20.0	20.5
	6H	19.1	19.7	19.6	20.2	20.7	19.3	19.9	19.8	20.3	20.9
	8H	19.2	19.8	19.7	20.2	20.8	19.4	20.0	20.0	20.4	21.0

Maximum UGR = 21.1

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTG-22-L56-AMB-L36-835-SAF12125-DIM-UNV-AMBER ONLY_.IES

POLAR GRAPH



Maximum Candela = 2404.175 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.)