



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 44-48LED57DMV40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000657-017- Extrapolated
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] 44-48LED57DMV40
 [LUMINAIRE] Catalog Number: 44-48LED57DMV40
 [MORE] Surface/pendant mounted, white formed steel housing and LED tray.
 [MORE] 128 white LEDs, four Universal Lighting Technologies Everline
 [MORE] M10CC840D32N2S boards with 32 LED each. One Universal Lighting
 [MORE] Technologies Everline D10CC55UNVTZ-C LED driver set at 1050mA.
 [MORE] 120.0Vac, 60.0Hz, 0.4925A, 59.01W, 0.998PF, 5.07%THD(i)
 [OTHER] Absolute test - lamp lumens value set to -1
 [MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
 [MORE] The sample was tested at a distance of 9.5m.
 [MORE] This IES file created by LightLab/LSA Report program version 3.808a.
 [DATE] This file extrapolated from LLIA000654-017
 [ISSUE DATE] Wednesday, October 12, 2016 3:15:29 PM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7755
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	59
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.11 m
Luminous Height	0.00 m

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18532	18425	18091
55	18196	17920	17498
65	17142	16533	15804
75	14453	12586	12486
85	7903	6265	6022

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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	2613.517	2613.517	2613.517	2613.517	2613.517
0.5	2592.734	2606.397	2622.759	2622.958	2610.388
1.0	2592.356	2606.250	2622.349	2622.444	2610.209
1.5	2591.810	2605.462	2621.856	2622.013	2609.652
2.0	2591.148	2604.738	2621.215	2621.257	2608.896
2.5	2590.276	2603.950	2620.375	2620.259	2607.993
3.0	2589.184	2602.858	2619.293	2619.136	2606.974
3.5	2587.651	2601.482	2618.012	2617.802	2605.725
4.0	2586.107	2600.148	2616.626	2616.164	2604.149
4.5	2584.395	2598.447	2615.061	2614.536	2602.753
5.0	2582.358	2596.619	2613.118	2612.593	2600.894
5.5	2580.068	2594.509	2611.154	2610.472	2598.594
6.0	2577.810	2592.450	2608.781	2608.088	2596.388
6.5	2575.353	2589.972	2606.334	2605.693	2594.141
7.0	2572.685	2587.451	2603.624	2603.057	2591.347
7.5	2569.419	2584.794	2600.757	2600.180	2588.564
8.0	2566.458	2581.864	2597.733	2597.040	2585.571
8.5	2563.465	2578.798	2594.278	2593.763	2582.274
9.0	2560.073	2575.447	2590.717	2590.402	2578.829
9.5	2556.449	2571.908	2587.136	2586.727	2575.416
10.0	2552.469	2568.054	2583.114	2582.841	2571.362
10.5	2548.499	2564.042	2579.113	2578.577	2567.434
11.0	2544.372	2559.925	2574.922	2574.313	2563.192
11.5	2540.014	2555.483	2570.427	2569.776	2558.602
12.0	2535.645	2550.967	2565.943	2565.082	2554.139
12.5	2531.024	2546.346	2561.228	2560.052	2549.318
13.0	2526.099	2541.263	2556.166	2554.811	2544.099
13.5	2521.079	2535.991	2551.062	2549.329	2538.942
14.0	2516.132	2530.688	2545.769	2543.794	2533.660
14.5	2510.797	2525.048	2540.234	2537.892	2527.695
15.0	2505.399	2519.629	2534.385	2531.948	2522.150
15.5	2499.528	2514.179	2528.377	2525.962	2516.195
16.0	2493.290	2508.077	2522.244	2519.514	2509.873
16.5	2486.926	2501.849	2516.290	2513.150	2503.477
17.0	2480.320	2495.422	2510.083	2506.302	2496.987
17.5	2473.336	2488.816	2503.267	2499.329	2490.087
18.0	2466.636	2481.833	2496.535	2492.198	2483.061
18.5	2459.421	2474.723	2489.573	2484.973	2475.867
19.0	2452.196	2467.193	2482.400	2477.558	2468.653
19.5	2445.170	2459.747	2474.996	2469.871	2461.060
20.0	2438.008	2452.143	2467.508	2461.931	2453.278
20.5	2430.667	2444.382	2459.652	2453.719	2445.265
21.0	2422.864	2436.716	2451.818	2445.391	2437.199
21.5	2415.229	2428.671	2443.668	2437.042	2428.629
22.0	2407.132	2420.165	2435.424	2428.377	2420.259
22.5	2398.436	2411.543	2427.075	2419.461	2411.658
23.0	2389.961	2402.627	2418.464	2410.388	2402.774
23.5	2381.370	2393.826	2409.411	2400.999	2393.626
24.0	2372.685	2384.826	2400.516	2391.641	2384.469
24.5	2363.969	2375.804	2391.442	2381.906	2374.985
25.0	2354.338	2366.374	2381.749	2372.066	2365.082
25.5	2344.782	2357.058	2371.898	2361.837	2355.347
26.0	2335.120	2347.502	2361.837	2351.734	2345.496
26.5	2325.237	2337.420	2351.807	2341.211	2335.046

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CANDELA TABULATION - (Cont.)

27.0	2315.176	2327.359	2341.788	2330.908	2324.691
27.5	2304.737	2317.119	2331.402	2320.228	2314.137
28.0	2294.046	2306.470	2320.763	2309.096	2303.309
28.5	2284.164	2296.115	2309.852	2298.006	2292.314
29.0	2273.609	2285.718	2298.930	2286.590	2281.202
29.5	2262.593	2274.670	2287.472	2274.943	2269.682
30.0	2251.534	2263.780	2276.077	2263.265	2258.350
30.5	2240.266	2252.322	2264.431	2251.387	2246.588
31.0	2228.556	2240.549	2252.206	2239.079	2234.626
31.5	2217.329	2228.787	2240.234	2226.855	2222.528
32.0	2205.535	2216.878	2228.209	2214.494	2210.324
32.5	2193.133	2204.611	2215.607	2201.681	2197.817
33.0	2181.076	2192.418	2203.078	2188.984	2185.046
33.5	2168.799	2179.722	2190.392	2176.308	2172.255
34.0	2155.924	2166.542	2177.495	2163.265	2159.117
34.5	2143.217	2153.372	2164.357	2150.190	2146.147
35.0	2130.457	2139.993	2151.135	2136.926	2132.809
35.5	2117.235	2126.550	2137.556	2123.011	2118.652
36.0	2104.097	2112.918	2123.998	2109.180	2105.063
36.5	2090.392	2099.108	2110.450	2095.201	2091.295
37.0	2076.130	2084.626	2096.241	2080.793	2076.854
37.5	2062.131	2070.375	2082.168	2066.437	2062.603
38.0	2048.100	2055.935	2067.602	2051.755	2047.963
38.5	2033.849	2040.539	2053.235	2036.716	2033.177
39.0	2019.356	2025.668	2038.753	2021.750	2018.484
39.5	2004.716	2010.387	2024.071	2006.481	2003.109
40.0	1989.152	1995.023	2009.001	1991.095	1987.608
40.5	1973.578	1980.142	1993.553	1975.668	1972.328
41.0	1957.930	1964.693	1978.262	1959.988	1956.743
41.5	1941.925	1948.520	1962.372	1943.962	1940.917
42.0	1926.046	1933.523	1946.714	1928.052	1924.933
42.5	1909.463	1918.064	1931.055	1911.847	1908.770
43.0	1893.490	1902.112	1914.977	1895.275	1892.198
43.5	1877.075	1886.033	1898.562	1878.745	1875.972
44.0	1860.219	1869.923	1881.948	1861.973	1859.106
44.5	1842.828	1853.246	1864.872	1844.613	1842.177
45.0	1826.277	1836.653	1848.163	1827.695	1825.290
45.5	1809.064	1820.543	1831.297	1810.272	1808.150
46.0	1791.589	1803.361	1814.021	1792.513	1790.496
46.5	1774.512	1786.653	1796.682	1775.101	1773.032
47.0	1757.531	1769.608	1779.060	1757.247	1755.472
47.5	1739.698	1752.196	1761.185	1738.785	1737.472
48.0	1721.456	1734.710	1743.584	1720.732	1719.282
48.5	1703.204	1717.087	1725.542	1702.395	1701.177
49.0	1684.773	1699.266	1706.690	1683.681	1682.410
49.5	1667.140	1681.612	1688.375	1664.903	1664.136
50.0	1648.898	1663.391	1669.293	1645.915	1645.411
50.5	1630.225	1645.033	1649.896	1626.655	1626.277
51.0	1611.469	1626.949	1631.108	1607.846	1607.373
51.5	1592.828	1608.686	1611.784	1588.448	1588.333
52.0	1573.641	1589.520	1591.862	1568.547	1568.600
52.5	1554.065	1570.438	1572.181	1548.877	1549.161
53.0	1535.445	1551.429	1552.479	1529.175	1529.522
53.5	1515.964	1531.906	1532.179	1509.064	1509.253
54.0	1496.020	1512.382	1512.099	1488.900	1489.362
54.5	1476.350	1492.387	1491.673	1468.579	1468.873

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CANDELA TABULATION - (Cont.)

55.0	1456.071	1471.918	1470.501	1447.648	1447.795
55.5	1436.380	1452.301	1449.581	1427.243	1426.739
56.0	1415.691	1432.000	1428.787	1406.533	1405.567
56.5	1394.823	1411.017	1407.331	1385.004	1383.470
57.0	1374.092	1389.929	1385.802	1363.538	1361.563
57.5	1353.004	1369.261	1364.441	1341.914	1339.057
58.0	1331.528	1347.764	1342.271	1319.692	1315.964
58.5	1310.072	1326.812	1320.238	1297.281	1292.723
59.0	1288.805	1305.273	1297.711	1274.292	1269.198
59.5	1266.478	1283.544	1275.363	1250.652	1245.201
60.0	1244.624	1262.151	1253.036	1227.096	1221.540
60.5	1222.496	1240.202	1230.141	1202.962	1197.837
61.0	1199.675	1217.560	1206.995	1178.261	1173.304
61.5	1176.812	1195.422	1183.890	1153.960	1149.234
62.0	1154.254	1172.727	1160.786	1129.700	1125.090
62.5	1130.414	1149.370	1136.915	1104.989	1100.473
63.0	1107.257	1126.245	1113.349	1080.362	1076.360
63.5	1083.995	1102.426	1088.994	1055.472	1052.321
64.0	1060.051	1078.230	1064.168	1030.152	1028.188
64.5	1036.673	1054.558	1039.372	1005.461	1004.653
65.0	1012.508	1030.162	1013.779	980.908	980.939
65.5	988.931	1005.377	987.062	956.123	956.648
66.0	964.787	980.614	959.704	931.737	932.809
66.5	940.801	955.987	931.947	907.520	908.896
67.0	916.583	930.834	903.529	882.840	884.646
67.5	892.586	906.155	875.510	858.307	860.418
68.0	868.473	881.065	847.522	833.418	836.190
68.5	844.025	855.766	819.261	808.097	811.710
69.0	819.891	830.761	791.074	783.502	787.293
69.5	795.222	805.514	762.844	758.349	762.844
70.0	770.427	779.952	734.468	732.851	737.934
70.5	745.747	754.842	707.667	707.761	713.590
71.0	721.015	729.679	681.779	682.651	688.931
71.5	695.947	703.739	655.755	657.142	663.989
72.0	671.414	678.461	630.918	632.220	639.477
72.5	647.175	653.371	606.102	607.488	615.092
73.0	622.170	628.125	581.181	582.556	590.380
73.5	597.837	603.256	557.184	558.160	566.131
74.0	573.126	578.198	533.250	533.796	541.525
74.5	548.645	552.951	509.956	509.673	517.297
75.0	524.837	528.356	487.261	486.190	493.394
75.5	501.029	503.340	464.650	462.834	469.828
76.0	476.927	477.894	441.977	439.551	445.810
76.5	453.172	452.972	419.765	416.887	422.600
77.0	429.469	427.830	397.669	394.686	399.748
77.5	405.335	402.678	375.541	372.590	376.801
78.0	381.821	378.261	353.739	350.998	354.463
78.5	358.423	354.232	331.937	329.616	332.703
79.0	335.570	330.277	310.366	308.360	310.859
79.5	313.243	307.667	289.278	287.797	290.202
80.0	291.346	285.308	268.494	267.717	269.523
80.5	269.429	262.392	248.278	247.585	249.002
81.0	248.215	240.716	228.566	228.471	229.500
81.5	227.557	219.355	209.557	209.809	210.597
82.0	207.131	197.259	190.895	191.357	191.987
82.5	187.629	177.158	172.884	173.619	174.260

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CANDELA TABULATION - (Cont.)

83.0	168.211	157.688	155.619	156.564	157.036
83.5	149.601	138.080	138.836	139.939	140.391
84.0	131.758	120.994	122.989	124.207	124.827
84.5	114.923	105.325	107.940	108.979	109.347
85.0	98.456	90.307	93.562	94.098	94.917
85.5	83.386	76.717	80.277	80.592	81.117
86.0	69.345	64.094	67.874	67.559	68.746
86.5	55.829	52.247	55.829	56.186	57.162
87.0	44.339	41.808	44.917	46.051	46.576
87.5	33.323	32.231	35.413	36.557	36.925
88.0	23.178	23.451	26.896	28.460	28.838
88.5	14.640	16.016	19.849	21.718	21.697
89.0	7.982	10.040	14.041	15.658	15.616
89.5	0.000	5.892	9.788	11.227	11.101
90.0	0.000	0.000	6.732	8.087	7.982
90.5	0.000	0.000	0.000	5.713	5.493
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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CANDELA TABULATION - (Cont.)

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
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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

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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
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	960.62	N.A.	12.40
0-30	2053.38	N.A.	26.50
0-40	3392.08	N.A.	43.70
0-60	6110.5	N.A.	78.80
0-80	7635.38	N.A.	98.50
0-90	7754.28	N.A.	100.00
10-90	7506.69	N.A.	96.80
20-40	2431.46	N.A.	31.40
20-50	3846.31	N.A.	49.60
40-70	3710.06	N.A.	47.80
60-80	1524.88	N.A.	19.70
70-80	533.24	N.A.	6.90
80-90	118.89	N.A.	1.50
90-110	0.24	N.A.	0.00
90-120	0.24	N.A.	0.00
90-130	0.24	N.A.	0.00
90-150	0.24	N.A.	0.00
90-180	0.24	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	7754.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	247.58
10-20	713.04
20-30	1092.76
30-40	1338.7
40-50	1414.84
50-60	1303.58
60-70	991.64
70-80	533.24
80-90	118.89
90-100	0.24
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

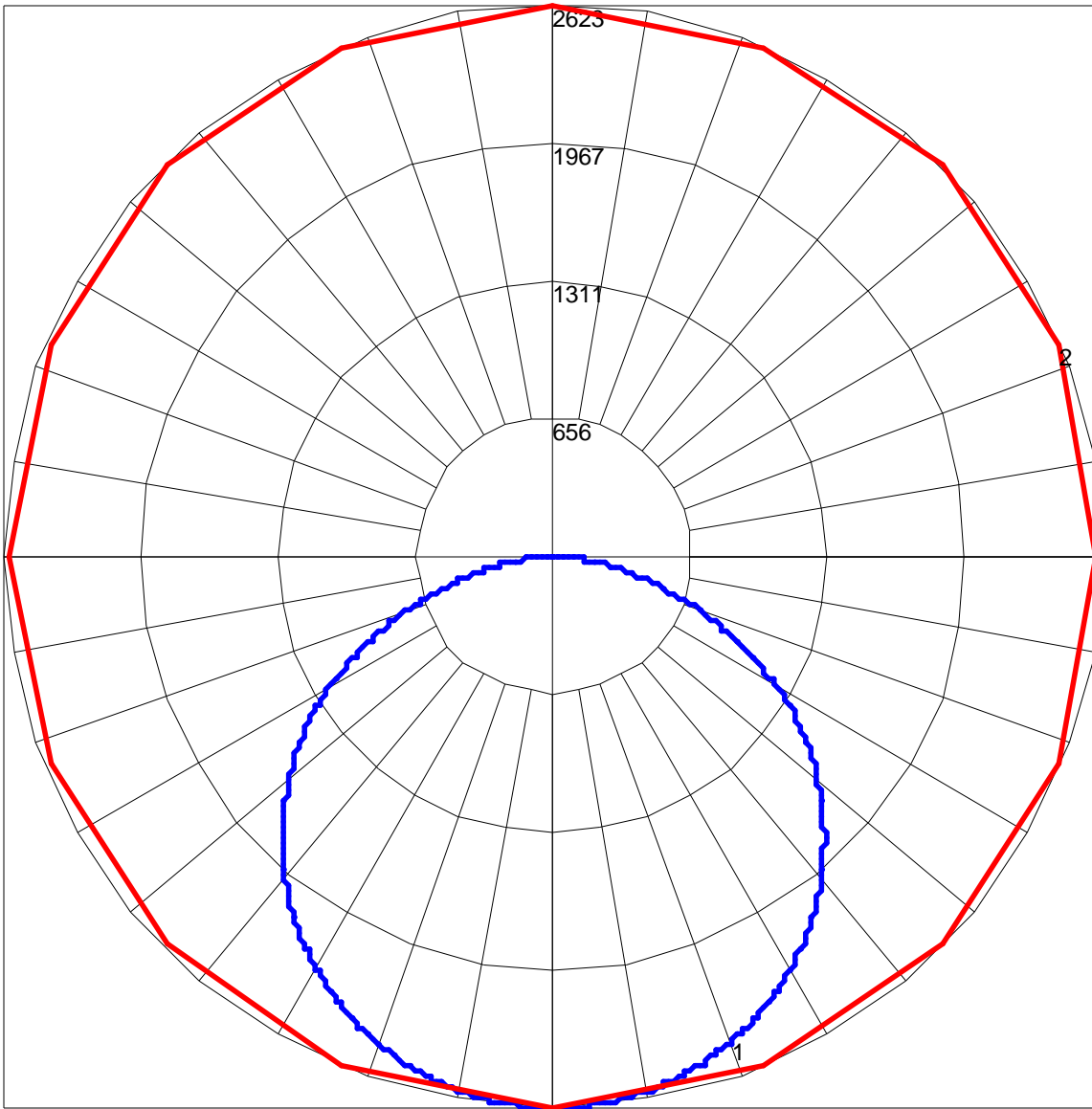
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	94	91	88	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 2622.958 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)