



IES INDOOR REPORT

PHOTOMETRIC FILENAME : RG24-LED57DMV40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI-15041-3-R01
 [TESTLAB] LightLab International (www.LightLabInt.com)
 [MANUFAC] Mobern Lighting Company
 [LUMCAT] RG24-LED57DMV40
 [LUMINAIRE] Mobern Lighting - LED 2x4 troffer luminaire. Catalog number: RG24-LED57DMV40
 [ISSUEDATE] Monday, May 4, 2015 1:19:58 PM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5864
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	56.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.16 m
Luminous Width (90-270)	0.55 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3186	3155	3143
55	2465	2371	2235
65	1855	1482	1719
75	1633	1231	1860
85	1859	1839	2467

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CANDELA TABULATION

	<u>0.0</u>	<u>10.0</u>	<u>20.0</u>	<u>22.5</u>	<u>30.0</u>	<u>40.0</u>	<u>45.0</u>	<u>50.0</u>	<u>60.0</u>	<u>67.5</u>
0.0	2574.438	2574.438	2574.438	2574.438	2574.438	2574.438	2574.438	2574.438	2574.438	2574.438
0.5	2580.811	2578.590	2574.894	2574.496	2574.943	2575.971	2575.360	2574.021	2572.964	2571.480
1.0	2579.812	2577.368	2573.575	2573.400	2573.730	2574.991	2574.041	2573.362	2571.868	2570.869
1.5	2578.192	2575.932	2572.644	2571.848	2572.760	2573.556	2573.090	2571.868	2570.384	2569.937
2.0	2577.891	2575.166	2571.460	2571.247	2571.732	2573.109	2572.459	2571.431	2569.608	2569.346
2.5	2576.795	2574.070	2570.325	2570.296	2570.733	2572.110	2571.208	2570.034	2569.132	2568.647
3.0	2576.116	2573.071	2569.161	2568.812	2569.317	2570.772	2569.676	2569.152	2567.639	2567.299
3.5	2573.973	2571.810	2568.056	2567.823	2568.153	2569.705	2568.764	2568.133	2566.630	2566.426
4.0	2572.547	2570.432	2567.057	2566.475	2566.863	2568.366	2567.270	2567.047	2566.193	2565.931
4.5	2571.645	2568.250	2564.893	2564.835	2565.117	2566.572	2566.378	2565.640	2564.680	2564.147
5.0	2569.685	2567.105	2562.818	2562.915	2563.371	2564.670	2564.302	2563.186	2562.692	2562.866
5.5	2567.542	2564.661	2560.849	2560.868	2561.246	2562.915	2562.507	2561.343	2560.703	2560.344
6.0	2565.805	2562.304	2558.375	2557.958	2559.267	2560.305	2559.811	2558.879	2558.462	2558.142
6.5	2563.186	2559.801	2556.270	2555.708	2556.445	2557.512	2557.114	2556.280	2555.281	2555.252
7.0	2560.431	2556.959	2552.701	2552.924	2553.273	2555.203	2555.087	2553.515	2552.225	2552.070
7.5	2557.444	2553.224	2550.033	2549.432	2550.382	2552.623	2551.886	2550.091	2549.577	2549.218
8.0	2553.312	2549.878	2546.939	2546.124	2547.152	2549.034	2548.656	2547.152	2546.502	2546.095
8.5	2549.645	2546.706	2543.311	2542.807	2544.426	2545.930	2544.882	2543.573	2542.855	2542.370
9.0	2545.299	2542.710	2539.964	2539.732	2540.382	2542.108	2541.216	2540.188	2538.994	2537.976
9.5	2540.605	2538.645	2536.405	2536.133	2537.151	2538.131	2537.229	2536.143	2534.882	2533.543
10.0	2536.114	2533.941	2532.059	2531.875	2533.116	2533.533	2532.583	2532.088	2530.449	2529.023
10.5	2531.855	2529.585	2527.675	2527.849	2528.790	2529.362	2528.334	2527.384	2526.006	2524.571
11.0	2527.907	2524.347	2522.485	2522.805	2524.115	2525.123	2523.785	2522.883	2520.855	2519.342
11.5	2522.825	2519.594	2517.276	2518.081	2519.371	2519.624	2518.789	2517.722	2515.307	2514.347
12.0	2517.237	2514.259	2512.940	2513.125	2513.891	2514.211	2513.600	2512.649	2509.303	2508.876
12.5	2511.737	2508.983	2507.431	2507.489	2507.683	2508.857	2508.129	2506.480	2503.667	2502.697
13.0	2505.093	2502.930	2501.950	2501.873	2501.407	2503.046	2502.707	2500.728	2497.362	2496.314
13.5	2499.370	2496.809	2495.606	2495.432	2495.907	2496.838	2496.082	2494.627	2490.737	2489.718
14.0	2493.240	2490.378	2489.932	2489.185	2489.447	2490.320	2489.534	2488.040	2483.481	2483.346
14.5	2486.760	2483.811	2483.074	2482.822	2482.725	2483.200	2482.589	2480.882	2476.992	2475.634
15.0	2480.106	2477.070	2476.041	2475.663	2476.206	2476.206	2475.324	2473.422	2469.416	2468.689
15.5	2473.355	2470.212	2468.873	2468.650	2469.251	2468.883	2467.389	2465.226	2461.744	2460.609
16.0	2465.730	2463.024	2461.006	2461.094	2462.209	2460.657	2459.454	2456.874	2453.916	2452.703
16.5	2458.649	2455.749	2453.906	2453.906	2454.537	2452.509	2451.287	2448.872	2445.545	2443.983
17.0	2450.957	2447.494	2445.642	2446.165	2446.602	2444.439	2442.218	2439.938	2436.621	2434.778
17.5	2442.703	2439.569	2437.736	2437.988	2437.988	2435.883	2433.478	2431.295	2427.396	2425.340
18.0	2434.613	2431.363	2429.608	2429.055	2429.346	2426.552	2424.399	2422.168	2418.162	2415.979
18.5	2426.183	2422.876	2421.101	2420.102	2420.218	2417.395	2415.271	2412.477	2408.869	2406.366
19.0	2417.560	2414.039	2411.536	2410.693	2410.489	2407.686	2405.435	2402.690	2399.722	2396.220
19.5	2408.297	2404.776	2402.302	2401.439	2400.808	2398.044	2395.512	2392.282	2388.868	2385.996
20.0	2398.354	2395.638	2392.495	2391.748	2390.749	2387.548	2385.075	2382.553	2378.062	2375.132
20.5	2388.004	2385.540	2382.630	2382.000	2380.574	2377.431	2373.949	2371.485	2366.548	2363.502
21.0	2377.509	2375.918	2372.533	2371.893	2370.379	2366.878	2363.521	2360.049	2355.296	2352.017
21.5	2366.858	2365.180	2361.320	2361.164	2359.244	2355.364	2351.639	2348.215	2343.830	2340.629
22.0	2356.004	2354.171	2349.932	2349.660	2348.176	2343.675	2339.155	2336.206	2331.182	2328.495
22.5	2345.460	2342.841	2338.573	2338.078	2335.906	2331.773	2327.486	2323.945	2319.057	2316.156
23.0	2334.218	2331.114	2326.729	2325.672	2323.907	2319.522	2315.652	2311.588	2306.418	2303.954
23.5	2322.520	2318.581	2314.614	2313.625	2311.626	2306.466	2302.896	2298.512	2293.002	2291.431
24.0	2309.851	2306.553	2302.683	2301.451	2298.832	2293.439	2289.491	2285.436	2280.004	2277.987
24.5	2297.377	2293.342	2289.928	2288.861	2285.941	2279.859	2276.134	2272.060	2266.473	2264.310
25.0	2284.515	2280.703	2276.716	2275.863	2271.876	2266.056	2261.836	2258.034	2252.486	2250.536
25.5	2271.682	2268.374	2263.699	2262.360	2258.063	2251.855	2247.703	2243.484	2238.479	2236.044
26.0	2258.800	2254.561	2249.556	2248.208	2243.814	2236.975	2233.221	2229.041	2223.997	2221.775
26.5	2244.590	2240.516	2235.569	2233.541	2229.215	2221.998	2217.556	2214.064	2209.311	2207.565

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27.0	2230.884	2226.315	2221.106	2218.836	2214.093	2206.983	2202.851	2198.340	2194.266	2193.083
27.5	2215.596	2211.901	2205.644	2203.433	2198.845	2191.085	2187.631	2183.266	2179.037	2177.960
28.0	2200.135	2196.293	2189.368	2187.457	2182.646	2175.157	2172.034	2167.882	2163.197	2162.149
28.5	2184.440	2180.735	2173.605	2171.238	2166.078	2158.754	2155.641	2151.479	2147.056	2146.484
29.0	2169.114	2164.555	2156.650	2154.748	2149.821	2141.838	2138.753	2135.213	2131.391	2130.382
29.5	2152.653	2147.580	2139.636	2137.890	2132.914	2125.416	2121.749	2118.451	2114.852	2113.009
30.0	2135.940	2130.925	2122.923	2120.915	2115.648	2108.101	2104.570	2101.059	2097.741	2096.316
30.5	2118.305	2113.426	2105.046	2103.251	2098.081	2090.777	2087.168	2084.181	2080.679	2079.098
31.0	2101.233	2095.152	2086.586	2084.889	2079.845	2072.977	2069.388	2066.643	2062.860	2062.269
31.5	2082.697	2076.819	2068.418	2066.343	2061.735	2054.867	2051.104	2049.096	2045.536	2044.925
32.0	2064.558	2058.408	2049.028	2047.515	2042.568	2036.408	2033.353	2030.520	2027.174	2027.135
32.5	2045.032	2039.367	2029.609	2027.678	2023.420	2017.387	2014.612	2011.916	2009.151	2008.773
33.0	2025.777	2020.209	2010.277	2008.366	2003.457	1998.258	1995.950	1992.720	1989.848	1989.945
33.5	2006.882	2000.761	1989.790	1988.228	1982.971	1978.955	1976.695	1973.038	1970.545	1970.652
34.0	1986.191	1980.129	1969.478	1967.160	1962.795	1958.343	1957.101	1953.706	1950.757	1951.456
34.5	1964.657	1959.177	1948.061	1946.315	1942.648	1938.739	1936.624	1933.065	1929.990	1931.377
35.0	1943.424	1938.273	1926.624	1924.432	1921.289	1917.118	1915.837	1912.549	1909.494	1911.075
35.5	1922.084	1916.429	1904.896	1902.374	1899.803	1895.574	1894.041	1890.937	1888.115	1890.113
36.0	1899.697	1893.780	1882.925	1880.762	1878.143	1873.962	1871.751	1869.433	1866.290	1868.007
36.5	1876.921	1871.227	1859.733	1857.870	1855.484	1851.711	1849.771	1846.317	1843.854	1846.026
37.0	1853.874	1848.112	1836.259	1835.356	1833.038	1829.168	1826.646	1823.561	1820.690	1822.649
37.5	1830.943	1824.725	1813.716	1811.785	1809.913	1805.898	1803.424	1800.466	1797.265	1799.525
38.0	1806.286	1800.630	1789.650	1788.195	1786.139	1781.327	1779.174	1776.526	1773.276	1776.400
38.5	1781.861	1775.740	1765.216	1763.664	1762.228	1757.087	1754.682	1751.539	1748.706	1751.849
39.0	1756.816	1751.238	1740.461	1739.307	1737.348	1732.313	1729.326	1726.358	1723.865	1727.570
39.5	1731.479	1725.708	1715.707	1714.359	1712.778	1707.375	1704.736	1700.856	1699.149	1702.534
40.0	1705.823	1700.071	1689.934	1689.333	1687.616	1682.009	1679.157	1675.171	1673.745	1676.985
40.5	1679.235	1673.803	1664.889	1663.647	1661.484	1655.839	1653.249	1649.718	1648.631	1652.036
41.0	1653.142	1647.768	1638.893	1637.748	1635.711	1630.143	1626.884	1623.829	1623.392	1626.331
41.5	1626.729	1620.744	1612.344	1611.432	1608.755	1603.449	1600.122	1597.736	1596.785	1599.840
42.0	1598.754	1593.497	1585.562	1584.815	1582.109	1576.444	1574.165	1571.516	1571.187	1573.912
42.5	1571.410	1566.211	1558.955	1558.004	1555.298	1549.847	1547.596	1545.588	1545.171	1547.528
43.0	1542.892	1538.624	1531.543	1531.397	1527.818	1523.191	1520.931	1519.476	1518.681	1520.407
43.5	1515.286	1510.843	1504.897	1504.422	1501.027	1496.244	1494.615	1493.344	1492.103	1492.588
44.0	1486.991	1482.742	1477.717	1476.990	1473.867	1469.744	1468.153	1467.474	1465.913	1465.040
44.5	1458.308	1455.194	1450.034	1449.578	1446.551	1443.215	1441.915	1441.372	1438.830	1437.084
45.0	1430.110	1426.928	1422.466	1422.515	1419.634	1416.559	1415.899	1415.715	1411.728	1409.294
45.5	1401.718	1398.362	1394.986	1394.967	1392.367	1389.894	1390.437	1389.380	1384.268	1381.183
46.0	1372.948	1370.057	1367.525	1367.574	1365.236	1363.316	1364.383	1363.413	1356.817	1351.967
46.5	1344.275	1341.539	1340.482	1340.521	1338.600	1337.029	1338.309	1337.562	1328.949	1322.789
47.0	1316.688	1313.642	1312.691	1312.614	1311.401	1311.062	1312.895	1311.120	1300.974	1292.865
47.5	1288.092	1285.997	1284.920	1285.008	1284.164	1284.784	1286.501	1284.348	1271.816	1262.533
48.0	1260.467	1258.236	1257.896	1258.012	1257.052	1259.409	1260.117	1257.925	1242.376	1232.230
48.5	1232.162	1230.688	1230.319	1230.688	1229.718	1232.589	1234.005	1230.096	1212.917	1200.656
49.0	1205.099	1203.217	1202.490	1202.810	1202.237	1206.360	1207.058	1202.237	1182.770	1168.414
49.5	1178.104	1175.853	1175.824	1175.204	1175.524	1179.656	1180.131	1174.612	1152.050	1136.336
50.0	1150.886	1148.955	1148.150	1147.578	1147.917	1152.961	1152.738	1145.677	1120.787	1104.064
50.5	1124.841	1122.193	1120.205	1119.884	1119.933	1125.578	1124.667	1116.635	1089.475	1071.336
51.0	1098.224	1095.227	1092.608	1092.433	1092.695	1098.234	1095.799	1087.244	1058.144	1039.549
51.5	1072.034	1069.153	1065.157	1064.924	1065.109	1070.288	1067.349	1057.834	1027.085	1008.305
52.0	1046.669	1042.352	1037.541	1037.046	1037.386	1042.236	1038.919	1028.258	996.190	976.819
52.5	1020.828	1016.609	1010.721	1008.975	1009.149	1013.796	1009.702	997.645	965.538	946.875
53.0	995.948	990.622	982.853	981.553	981.436	985.394	980.185	968.147	935.759	917.979
53.5	970.931	964.723	954.965	953.559	953.743	956.498	950.513	938.039	906.223	889.034
54.0	945.886	939.261	928.329	926.311	925.904	928.018	921.539	908.745	877.918	862.010
54.5	921.975	913.779	901.266	899.015	898.045	898.860	892.400	879.499	850.089	835.558

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CANDELA TABULATION - (Cont.)

55.0	897.522	888.636	874.232	871.846	869.770	870.303	863.058	851.039	823.200	809.446
55.5	873.834	863.746	847.741	845.336	842.290	841.446	834.307	822.803	796.865	784.817
56.0	849.914	839.166	821.367	818.370	814.790	813.180	806.109	795.070	771.878	760.606
56.5	826.702	814.558	795.701	792.403	788.028	784.740	778.929	768.230	747.210	737.316
57.0	804.111	790.822	770.393	766.834	761.537	757.686	751.284	742.438	723.504	715.307
57.5	781.228	767.377	745.241	741.778	735.347	730.982	724.794	716.510	701.048	693.715
58.0	759.044	744.252	720.623	716.617	709.545	704.453	698.643	691.261	678.195	672.928
58.5	737.074	721.564	697.197	692.755	684.325	678.214	673.471	667.263	656.496	652.665
59.0	716.083	699.797	673.937	669.174	660.124	653.276	648.882	643.391	635.515	632.615
59.5	695.209	677.885	650.773	645.923	636.058	628.395	624.632	620.354	614.961	613.700
60.0	674.654	656.583	628.967	623.468	612.953	604.688	601.109	597.927	595.134	595.415
60.5	655.177	636.466	607.404	601.701	590.429	581.467	578.130	575.714	575.773	577.199
61.0	635.496	615.960	586.588	580.962	568.536	559.030	555.965	554.064	556.829	560.447
61.5	616.445	596.395	566.422	560.573	547.594	536.924	534.072	533.558	538.418	543.666
62.0	598.199	577.635	547.255	541.338	527.195	515.768	513.130	512.800	521.094	527.670
62.5	580.254	559.098	528.728	522.209	507.824	495.069	491.974	492.498	503.721	512.296
63.0	562.484	541.338	510.560	504.497	488.812	475.193	471.701	473.118	487.095	497.804
63.5	545.906	524.537	493.148	487.086	470.770	455.745	452.612	454.115	471.701	483.982
64.0	529.077	507.640	476.881	470.673	453.252	437.218	433.813	435.976	455.706	470.722
64.5	512.829	492.188	460.847	454.552	436.335	418.904	415.383	418.303	441.020	457.830
65.0	497.707	476.736	445.531	439.497	420.456	401.619	397.642	401.134	426.984	446.084
65.5	482.333	461.642	431.388	424.850	404.936	384.421	380.803	385.071	413.443	434.502
66.0	467.647	447.471	417.352	411.018	390.338	368.775	364.400	369.405	400.872	423.783
66.5	453.688	433.736	404.655	397.477	376.409	353.264	348.550	354.428	388.931	413.637
67.0	439.653	420.708	391.647	384.537	362.732	338.355	333.855	340.354	377.097	404.199
67.5	425.335	408.438	380.046	372.480	350.034	324.077	319.722	326.454	366.582	394.664
68.0	412.551	396.032	368.484	361.597	338.152	310.458	306.569	314.329	356.194	386.060
68.5	399.281	384.537	357.911	350.791	326.007	297.499	293.706	302.417	346.620	377.340
69.0	386.516	373.266	347.270	340.218	315.182	285.432	281.931	291.543	337.531	369.163
69.5	375.060	362.926	337.890	330.450	304.803	273.724	270.776	281.213	328.820	361.684
70.0	362.363	352.789	328.491	321.012	294.172	263.219	260.494	271.794	320.711	354.312
70.5	351.373	343.399	319.858	312.282	284.928	253.451	251.317	262.715	313.048	347.115
71.0	340.295	334.010	311.477	303.009	275.703	244.547	242.995	255.197	305.987	340.092
71.5	330.033	325.260	303.348	295.249	266.789	236.195	235.070	247.864	299.032	333.273
72.0	319.402	316.773	295.714	287.430	258.505	228.775	228.561	241.666	292.339	326.483
72.5	309.944	308.867	287.925	279.729	250.716	221.858	222.499	236.156	286.412	319.925
73.0	300.516	301.544	280.621	272.589	243.179	215.835	217.474	230.938	280.097	313.213
73.5	291.757	293.619	273.482	265.237	236.088	210.694	213.022	226.029	274.268	306.355
74.0	283.327	286.121	266.643	258.156	229.192	205.941	208.957	221.985	268.186	299.652
74.5	274.859	278.623	259.252	251.065	222.945	201.741	205.194	218.114	262.307	292.630
75.0	268.234	271.736	252.268	244.275	217.338	198.297	202.206	214.108	255.983	285.558
75.5	260.668	264.296	245.003	237.126	211.130	194.825	199.345	210.597	249.571	278.419
76.0	252.995	256.643	237.660	230.220	205.495	191.924	196.609	207.308	243.451	270.970
76.5	246.972	249.921	230.404	223.362	200.305	189.363	193.971	204.040	236.826	264.209
77.0	240.085	242.296	222.780	216.000	195.096	186.560	191.187	200.567	230.433	256.691
77.5	232.771	234.013	214.671	208.686	190.052	183.941	188.859	197.676	223.866	249.280
78.0	226.039	226.417	207.047	201.062	185.357	181.060	185.901	193.981	217.435	241.996
78.5	219.530	218.172	198.656	193.612	181.089	178.034	182.961	189.819	210.403	234.643
79.0	212.362	210.073	190.537	185.949	176.065	174.581	179.101	186.153	203.875	227.067
79.5	204.525	201.197	182.603	178.907	171.709	170.788	175.124	181.759	197.182	220.229
80.0	197.579	192.438	174.251	170.749	166.413	166.898	170.914	176.773	190.964	213.012
80.5	189.179	183.611	166.365	163.028	161.389	161.980	166.248	171.302	184.213	205.834
81.0	180.148	175.007	157.887	155.540	155.656	156.888	160.428	166.016	178.111	198.753
81.5	171.564	165.822	149.817	147.974	150.544	151.242	154.705	160.050	171.186	191.614
82.0	162.611	156.907	141.407	139.913	144.171	144.937	148.400	153.638	165.026	184.339
82.5	152.339	148.138	133.763	131.678	137.818	138.506	141.581	146.412	158.246	176.579

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CANDELA TABULATION - (Cont.)

83.0	143.027	139.214	125.508	124.354	130.562	131.765	134.452	139.282	151.912	168.838
83.5	132.143	130.533	117.904	116.856	122.821	123.636	126.769	131.503	145.161	160.700
84.0	122.909	121.716	110.483	109.377	115.323	115.857	118.757	123.452	137.895	152.465
84.5	112.898	112.957	102.490	101.802	106.593	107.243	109.911	115.226	130.223	143.250
85.0	102.830	103.906	94.323	93.915	98.019	98.242	101.714	106.399	122.220	133.744
85.5	93.159	94.837	86.786	86.359	88.881	89.085	92.751	97.252	113.451	123.025
86.0	83.236	85.855	78.560	78.056	80.219	79.637	83.207	88.454	103.839	110.968
86.5	73.070	76.048	69.733	69.481	70.529	69.840	74.108	79.375	93.595	99.105
87.0	62.575	66.047	60.635	60.547	61.149	60.450	64.495	69.869	82.780	86.699
87.5	52.302	56.202	51.391	51.265	51.206	50.974	54.883	59.995	71.489	74.642
88.0	41.506	45.881	42.166	41.807	42.311	41.768	45.697	50.149	60.450	63.263
88.5	31.738	35.812	32.912	33.019	33.659	32.805	36.763	41.041	50.168	52.720
89.0	22.077	26.151	24.609	24.279	25.802	25.065	28.605	32.650	39.712	42.641
89.5	14.686	17.906	16.975	16.616	18.091	17.664	21.059	24.366	29.692	33.193
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>70.0</u>	<u>80.0</u>	<u>90.0</u>
0.0	2574.438	2574.438	2574.438
0.5	2571.247	2569.840	2567.522
1.0	2570.684	2568.890	2566.057
1.5	2569.249	2567.968	2564.903
2.0	2568.822	2566.892	2564.418
2.5	2568.075	2566.678	2563.826
3.0	2567.134	2565.446	2562.924
3.5	2566.494	2564.525	2561.246
4.0	2565.427	2564.108	2560.519
4.5	2563.904	2563.070	2559.820
5.0	2562.546	2561.149	2557.793
5.5	2560.451	2558.375	2554.902
6.0	2557.725	2556.125	2551.925
6.5	2554.912	2553.224	2549.005
7.0	2551.992	2550.188	2546.221
7.5	2548.888	2546.958	2543.359
8.0	2545.707	2544.135	2540.614
8.5	2542.234	2540.236	2536.754
9.0	2537.850	2536.230	2532.098
9.5	2533.572	2531.972	2527.500
10.0	2529.188	2527.839	2523.019
10.5	2524.241	2522.970	2518.479
11.0	2518.789	2517.131	2513.289
11.5	2513.978	2511.834	2507.334
12.0	2508.750	2505.917	2501.339
12.5	2502.542	2499.244	2495.189
13.0	2495.306	2493.278	2487.837
13.5	2489.020	2486.673	2481.600
14.0	2482.356	2479.204	2474.703
14.5	2475.295	2471.715	2467.486
15.0	2467.923	2464.479	2460.454
15.5	2459.939	2456.913	2452.451
16.0	2451.365	2448.726	2444.196
16.5	2442.984	2440.181	2435.583
17.0	2434.118	2431.451	2426.329
17.5	2424.340	2421.993	2417.318
18.0	2414.922	2412.060	2407.404

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

18.5	2404.902	2402.079	2397.374
19.0	2395.347	2392.107	2387.044
19.5	2384.958	2382.048	2376.665
20.0	2374.191	2371.087	2365.432
20.5	2362.590	2359.574	2354.190
21.0	2351.552	2347.740	2342.841
21.5	2339.582	2336.352	2331.201
22.0	2327.282	2324.906	2319.910
22.5	2315.177	2312.878	2307.397
23.0	2302.867	2300.452	2294.506
23.5	2290.151	2287.192	2281.139
24.0	2277.240	2274.243	2268.820
24.5	2263.844	2260.837	2256.298
25.0	2250.138	2247.092	2242.795
25.5	2236.025	2233.474	2229.215
26.0	2222.183	2219.127	2214.850
26.5	2207.439	2204.374	2200.474
27.0	2192.336	2188.989	2185.342
27.5	2177.233	2173.751	2169.502
28.0	2161.684	2158.522	2154.613
28.5	2145.669	2142.565	2138.598
29.0	2129.296	2127.152	2122.923
29.5	2112.961	2110.943	2107.034
30.0	2096.839	2094.851	2090.466
30.5	2079.535	2078.244	2074.510
31.0	2062.463	2061.939	2057.040
31.5	2044.401	2044.789	2040.114
32.0	2027.077	2027.096	2022.421
32.5	2008.628	2008.647	2005.300
33.0	1989.887	1990.392	1987.530
33.5	1971.224	1971.981	1969.022
34.0	1951.320	1952.659	1950.525
34.5	1931.784	1933.074	1930.659
35.0	1911.104	1913.131	1911.598
35.5	1890.103	1892.548	1890.734
36.0	1868.851	1871.567	1869.995
36.5	1847.132	1849.392	1849.111
37.0	1824.231	1828.111	1826.947
37.5	1801.348	1805.015	1804.423
38.0	1777.447	1781.783	1781.250
38.5	1753.488	1757.659	1757.145
39.0	1729.200	1733.477	1733.080
39.5	1704.688	1708.432	1708.131
40.0	1679.012	1683.464	1682.455
40.5	1653.627	1657.478	1656.450
41.0	1627.291	1631.181	1630.570
41.5	1601.354	1604.467	1604.283
42.0	1574.572	1577.918	1577.695
42.5	1547.975	1550.885	1551.127
43.0	1520.194	1523.162	1523.307
43.5	1492.985	1495.381	1496.448
44.0	1464.904	1467.620	1468.726
44.5	1436.832	1439.005	1439.616
45.0	1408.566	1410.225	1410.545
45.5	1379.806	1380.902	1380.999
46.0	1350.793	1350.289	1350.589

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CANDELA TABULATION - (Cont.)

46.5	1321.189	1319.617	1319.656
47.0	1290.604	1288.073	1287.714
47.5	1259.914	1255.849	1254.831
48.0	1229.048	1223.539	1222.084
48.5	1197.029	1190.646	1188.881
49.0	1164.534	1156.570	1154.989
49.5	1131.912	1123.551	1122.086
50.0	1099.621	1090.629	1089.388
50.5	1066.874	1058.154	1057.446
51.0	1034.796	1026.522	1026.891
51.5	1003.320	996.006	996.374
52.0	972.270	965.926	967.963
52.5	942.627	937.078	939.979
53.0	913.100	909.676	912.867
53.5	885.465	882.797	886.279
54.0	857.868	857.296	861.651
54.5	832.241	832.338	837.459
55.0	806.904	808.029	813.752
55.5	782.567	784.526	791.248
56.0	758.424	762.323	769.181
56.5	735.842	739.974	747.337
57.0	713.697	718.906	726.491
57.5	692.153	698.225	705.326
58.0	671.570	678.079	685.451
58.5	651.481	658.688	666.565
59.0	632.139	640.084	647.659
59.5	613.729	621.324	629.220
60.0	595.473	603.718	611.139
60.5	577.887	586.297	593.058
61.0	560.854	569.468	576.306
61.5	544.878	553.909	559.477
62.0	529.310	538.011	543.763
62.5	514.595	522.946	527.864
63.0	500.452	508.833	514.052
63.5	486.698	495.398	499.492
64.0	473.884	482.759	486.261
64.5	461.739	470.324	472.933
65.0	450.196	459.101	460.983
65.5	439.546	447.597	448.994
66.0	428.866	437.257	438.246
66.5	419.098	427.198	426.878
67.0	409.350	417.556	416.644
67.5	400.843	408.021	406.498
68.0	392.016	399.223	397.070
68.5	383.936	390.959	388.543
69.0	375.924	382.520	380.192
69.5	368.513	375.002	372.189
70.0	361.189	367.601	364.759
70.5	354.011	360.200	357.406
71.0	347.192	353.080	350.965
71.5	340.693	346.086	344.719
72.0	333.719	339.432	338.258
72.5	326.958	333.020	332.749
73.0	320.420	326.473	327.433
73.5	313.281	320.226	321.846
74.0	306.510	313.688	316.055

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CANDELA TABULATION - (Cont.)

74.5	299.323	307.073	311.225
75.0	291.902	301.059	305.579
75.5	285.490	294.482	300.448
76.0	277.459	287.634	295.152
76.5	270.320	281.252	289.079
77.0	262.851	274.772	283.473
77.5	255.527	267.662	277.100
78.0	248.330	260.678	271.212
78.5	241.094	253.607	264.354
79.0	233.518	246.322	257.496
79.5	226.941	238.979	249.445
80.0	219.986	231.006	241.375
80.5	213.012	222.984	232.577
81.0	205.058	214.962	224.060
81.5	197.841	206.804	215.001
82.0	189.984	198.152	205.368
82.5	182.632	188.733	195.765
83.0	174.037	180.168	185.134
83.5	165.928	170.963	173.349
84.0	157.256	161.350	161.360
84.5	148.575	151.776	149.574
85.0	138.516	141.484	136.469
85.5	127.671	131.105	124.315
86.0	115.905	120.474	112.122
86.5	103.654	108.048	99.406
87.0	91.500	94.362	87.397
87.5	79.220	81.247	75.253
88.0	66.503	68.531	63.002
88.5	55.077	56.755	51.788
89.0	44.164	46.618	40.507
89.5	33.465	36.860	30.545
90.0	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	940.83	N.A.	16.00
0-30	1981.76	N.A.	33.80
0-40	3177.31	N.A.	54.20
0-60	5030.82	N.A.	85.80
0-80	5745.66	N.A.	98.00
0-90	5864.29	N.A.	100.00
10-90	5620.62	N.A.	95.80
20-40	2236.48	N.A.	38.10
20-50	3325.26	N.A.	56.70
40-70	2298.36	N.A.	39.20
60-80	714.84	N.A.	12.20
70-80	270.00	N.A.	4.60
80-90	118.63	N.A.	2.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5864.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	243.67
10-20	697.16
20-30	1040.93
30-40	1195.54
40-50	1088.78
50-60	764.74
60-70	444.84
70-80	270.00
80-90	118.63
90-100	0.00
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

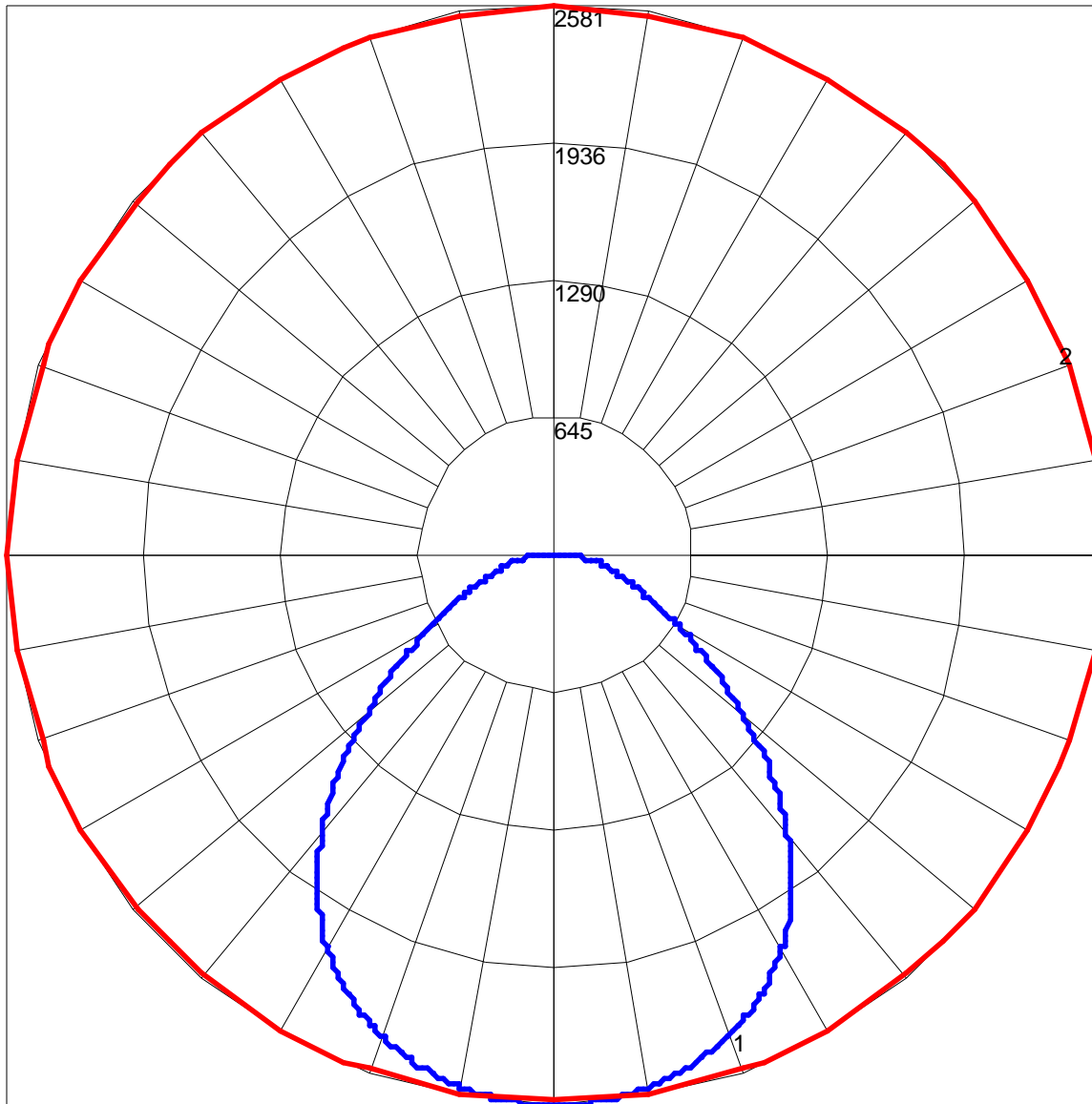
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64
4	86	75	66	60	83	73	66	60	71	64	59	69	63	58	66	62	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39
8	64	51	43	37	62	50	43	37	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	34	43	38	33	32
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29

POLAR GRAPH



Maximum Candela = 2580.811 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.)