



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : 44-48LED57DMVFR50.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLIA000657-016  
 [TESTLAB] LightLab International Allentown, LLC  
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA  
 [LUMCAT] 44-48LED57DMVFR50  
 [LUMINAIRE] Catalog Number: 44-48LED57DMVFR50  
 [MORE] Surface/pendant mounted, white formed steel housing and LED tray, frosted plastic lens  
 [MORE] enclosure with white steel endcaps. 128 white LEDs, four Universal Lighting Technologies  
 [MORE] Everline M10CC850D32N2S boards with 32 LED each. One Universal Lighting  
 [MORE] Technologies Everline D10CC55UNVTZ-C LED driver set at 1050mA.  
 [MORE] 120.0Vac, 60.0Hz, 0.4910A, 58.85W, 0.998PF, 5.14%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 created: Wednesday, October 12, 2016 2:57:52 PM  
 [ISSUE DATE] Wednesday, October 12, 2016 2:57:52 PM

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7330
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	58.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.11 m
Luminous Height	0.03 m

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED57DMVFR50.IES**

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15379	13511	12789
55	13388	11424	10960
65	11158	9361	9467
75	8753	7503	8131
85	6106	5977	6968

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED57DMVFR50.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2601.502	2601.502	2601.502	2601.502	2601.502
0.5	2589.834	2593.522	2609.981	2609.094	2595.901
1.0	2589.369	2593.132	2609.624	2608.596	2595.674
1.5	2588.969	2592.548	2608.856	2607.980	2595.230
2.0	2588.180	2591.781	2608.002	2606.964	2594.365
2.5	2586.860	2590.634	2606.920	2605.839	2593.381
3.0	2585.476	2589.174	2605.417	2604.509	2591.997
3.5	2583.832	2587.520	2603.763	2602.962	2590.353
4.0	2581.789	2585.573	2601.935	2601.027	2588.634
4.5	2579.615	2583.573	2599.707	2598.799	2586.601
5.0	2577.138	2581.032	2597.198	2596.387	2584.276
5.5	2574.511	2578.306	2594.408	2593.770	2581.702
6.0	2571.429	2575.452	2591.521	2590.775	2578.815
6.5	2568.347	2572.294	2588.190	2587.542	2575.873
7.0	2564.756	2568.898	2584.697	2584.038	2572.326
7.5	2560.896	2565.254	2581.042	2580.210	2568.660
8.0	2557.154	2561.220	2576.955	2576.035	2564.486
8.5	2552.764	2556.970	2572.553	2571.602	2560.106
9.0	2548.373	2552.612	2567.979	2567.038	2555.802
9.5	2543.658	2547.843	2563.178	2562.237	2550.936
10.0	2538.749	2542.782	2558.019	2556.895	2545.875
10.5	2533.396	2537.559	2552.699	2551.293	2540.425
11.0	2528.119	2532.152	2547.054	2545.724	2534.704
11.5	2522.117	2526.313	2541.009	2539.549	2528.627
12.0	2516.256	2520.278	2534.856	2533.071	2522.366
12.5	2510.005	2514.093	2528.497	2526.561	2515.920
13.0	2503.322	2507.475	2521.673	2519.651	2509.118
13.5	2496.628	2500.705	2514.850	2512.482	2502.079
14.0	2489.556	2493.633	2507.388	2504.901	2494.455
14.5	2482.267	2486.160	2499.840	2496.909	2486.539
15.0	2474.611	2478.818	2492.162	2488.864	2478.688
15.5	2466.879	2471.010	2484.138	2480.548	2470.491
16.0	2458.628	2462.889	2475.530	2471.572	2461.883
16.5	2450.236	2454.367	2466.933	2462.856	2452.972
17.0	2441.639	2445.738	2457.947	2453.534	2443.499
17.5	2432.815	2436.805	2448.884	2443.975	2434.286
18.0	2423.677	2427.624	2439.228	2434.123	2424.510
18.5	2414.236	2418.194	2429.473	2424.034	2414.485
19.0	2404.385	2408.494	2419.276	2413.490	2403.952
19.5	2394.663	2398.480	2408.905	2402.968	2393.365
20.0	2384.617	2388.261	2398.459	2391.797	2382.443
20.5	2374.225	2377.609	2387.374	2380.378	2371.078
21.0	2363.302	2366.763	2376.279	2368.926	2359.658
21.5	2352.607	2355.787	2364.870	2357.171	2348.163
22.0	2341.188	2344.248	2352.997	2344.908	2335.683
22.5	2329.833	2332.537	2341.036	2332.407	2323.215
23.0	2317.905	2320.717	2328.838	2319.798	2310.595
23.5	2305.718	2308.411	2316.283	2306.464	2297.705
24.0	2293.704	2296.007	2303.415	2293.401	2284.522
24.5	2281.094	2283.225	2290.351	2279.786	2270.940
25.0	2268.139	2270.097	2276.736	2265.739	2257.044
25.5	2255.206	2256.893	2263.176	2251.637	2242.997
26.0	2241.894	2243.256	2249.301	2237.384	2228.787
26.5	2227.857	2229.209	2235.027	2222.537	2214.113

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED57DMVFR50.IES**

**CANDELA TABULATION - (Cont.)**

<b>27.0</b>	2214.026	2215.161	2220.428	2207.516	2199.178
<b>27.5</b>	2199.838	2200.800	2205.807	2192.376	2183.985
<b>28.0</b>	2184.990	2185.942	2190.646	2176.826	2168.542
<b>28.5</b>	2170.532	2171.062	2175.377	2161.027	2152.981
<b>29.0</b>	2155.382	2155.782	2159.978	2144.989	2137.117
<b>29.5</b>	2139.918	2140.080	2144.038	2128.768	2120.723
<b>30.0</b>	2124.551	2124.540	2128.076	2112.353	2104.426
<b>30.5</b>	2108.773	2108.557	2111.726	2095.483	2087.870
<b>31.0</b>	2092.314	2092.033	2095.018	2078.299	2070.773
<b>31.5</b>	2075.985	2075.520	2078.278	2061.192	2053.687
<b>32.0</b>	2059.418	2058.705	2061.365	2043.803	2036.428
<b>32.5</b>	2042.256	2041.554	2043.879	2026.025	2018.693
<b>33.0</b>	2025.149	2024.240	2026.457	2008.246	2000.936
<b>33.5</b>	2007.706	2006.862	2008.755	1990.176	1982.942
<b>34.0</b>	1989.809	1988.749	1990.684	1971.663	1964.807
<b>34.5</b>	1971.911	1970.776	1972.658	1953.365	1946.444
<b>35.0</b>	1953.690	1952.543	1954.360	1934.733	1927.931
<b>35.5</b>	1934.895	1933.781	1935.544	1915.657	1908.877
<b>36.0</b>	1916.057	1914.943	1916.738	1896.516	1890.039
<b>36.5</b>	1897.338	1896.267	1898.063	1877.516	1871.265
<b>37.0</b>	1877.711	1876.835	1878.749	1857.856	1851.735
<b>37.5</b>	1858.440	1857.456	1859.435	1838.423	1832.703
<b>38.0</b>	1838.683	1837.958	1840.024	1818.785	1813.292
<b>38.5</b>	1818.655	1817.974	1820.234	1798.703	1793.524
<b>39.0</b>	1798.541	1798.109	1800.618	1778.979	1773.950
<b>39.5</b>	1778.114	1778.005	1780.698	1758.984	1754.085
<b>40.0</b>	1757.102	1757.589	1760.216	1738.405	1734.014
<b>40.5</b>	1736.555	1737.302	1740.178	1718.518	1714.246
<b>41.0</b>	1715.620	1716.842	1720.053	1698.252	1694.348
<b>41.5</b>	1694.035	1696.035	1699.334	1677.738	1674.051
<b>42.0</b>	1672.937	1675.359	1678.938	1657.300	1654.120
<b>42.5</b>	1651.741	1654.553	1658.349	1636.915	1634.028
<b>43.0</b>	1629.940	1633.314	1637.207	1616.293	1613.644
<b>43.5</b>	1608.431	1612.335	1616.661	1595.714	1593.800
<b>44.0</b>	1586.673	1591.269	1595.584	1575.189	1573.653
<b>44.5</b>	1564.591	1569.771	1574.270	1554.275	1552.923
<b>45.0</b>	1542.812	1548.511	1553.399	1533.890	1532.993
<b>45.5</b>	1521.076	1527.186	1532.452	1513.452	1513.127
<b>46.0</b>	1498.528	1505.449	1511.073	1492.721	1492.743
<b>46.5</b>	1476.425	1484.027	1490.018	1472.305	1472.791
<b>47.0</b>	1454.375	1462.594	1468.758	1451.931	1452.980
<b>47.5</b>	1431.957	1440.652	1447.443	1431.276	1433.017
<b>48.0</b>	1409.659	1419.251	1426.237	1410.968	1413.141
<b>48.5</b>	1387.544	1397.677	1404.879	1390.680	1393.416
<b>49.0</b>	1364.976	1375.876	1383.457	1370.220	1373.486
<b>49.5</b>	1342.753	1354.421	1362.305	1350.290	1354.205
<b>50.0</b>	1320.638	1332.826	1341.196	1330.328	1335.010
<b>50.5</b>	1297.831	1310.938	1319.795	1310.019	1315.361
<b>51.0</b>	1275.825	1289.591	1298.740	1290.337	1296.447
<b>51.5</b>	1253.797	1268.115	1277.750	1270.732	1277.425
<b>52.0</b>	1231.304	1246.497	1256.533	1251.050	1258.285
<b>52.5</b>	1209.276	1224.978	1235.597	1231.574	1239.598
<b>53.0</b>	1187.161	1203.631	1214.715	1212.141	1220.955
<b>53.5</b>	1164.754	1182.165	1193.574	1192.741	1202.333
<b>54.0</b>	1142.986	1160.969	1173.049	1173.827	1184.111
<b>54.5</b>	1121.055	1139.763	1152.416	1154.968	1165.944

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED57DMVFR50.IES**

**CANDELA TABULATION - (Cont.)**

55.0	1098.854	1118.265	1131.588	1135.946	1147.711
55.5	1077.280	1097.448	1111.366	1117.400	1129.977
56.0	1055.728	1076.599	1091.100	1099.113	1112.436
56.5	1033.916	1055.414	1070.608	1080.621	1094.615
57.0	1012.320	1034.694	1050.602	1062.486	1077.388
57.5	990.898	1013.953	1030.682	1044.513	1060.032
58.0	969.302	993.060	1010.644	1026.530	1042.783
58.5	948.128	972.687	991.179	1008.914	1026.011
59.0	927.019	952.303	971.649	991.438	1009.184
59.5	905.954	931.734	952.108	974.049	992.379
60.0	885.180	911.782	932.956	956.974	975.953
60.5	864.601	891.777	914.021	940.007	959.753
61.0	843.557	871.554	894.783	922.834	943.175
61.5	823.173	851.786	876.172	906.267	927.171
62.0	803.113	832.094	857.572	889.733	911.231
62.5	782.577	812.337	839.112	873.274	895.237
63.0	762.755	793.110	820.966	857.042	879.557
63.5	742.954	773.839	803.004	840.962	863.941
64.0	723.013	754.547	784.923	824.892	848.218
64.5	703.710	735.698	767.459	809.136	833.089
65.0	684.396	716.806	749.994	793.434	817.809
65.5	665.039	697.730	732.584	777.710	802.312
66.0	646.158	679.292	715.487	762.409	787.389
66.5	627.417	661.038	698.703	747.193	772.466
67.0	608.569	642.535	681.877	731.881	757.348
67.5	590.207	624.671	665.331	716.882	742.651
68.0	571.963	606.774	649.013	702.088	728.031
68.5	553.763	588.833	632.706	687.241	713.389
69.0	536.093	571.487	616.906	672.609	698.909
69.5	518.477	554.088	601.226	658.183	684.461
70.0	500.699	536.818	585.492	643.552	669.895
70.5	483.505	519.894	570.168	629.375	655.793
71.0	466.732	503.348	555.126	615.284	641.551
71.5	449.657	486.673	539.954	601.075	627.569
72.0	433.166	470.485	525.236	587.233	613.565
72.5	417.009	454.534	510.745	573.531	599.799
73.0	400.778	438.962	496.244	559.711	585.978
73.5	385.119	423.303	482.153	546.302	572.342
74.0	369.363	407.958	468.073	532.741	558.705
74.5	354.061	392.851	454.275	519.451	545.209
75.0	339.073	378.263	440.811	506.366	532.006
75.5	324.366	363.783	427.477	493.464	518.823
76.0	309.659	349.400	414.219	480.412	505.598
76.5	295.374	335.494	401.318	467.814	492.826
77.0	281.532	321.879	388.688	455.356	479.990
77.5	267.625	308.394	376.068	442.833	467.262
78.0	254.205	295.211	363.729	430.527	454.750
78.5	240.828	282.299	351.650	418.556	442.282
79.0	227.732	269.496	339.570	406.444	430.019
79.5	215.220	257.254	328.021	394.700	417.939
80.0	202.698	245.121	316.526	383.118	406.131
80.5	190.305	233.215	305.171	371.472	394.214
81.0	178.528	221.600	294.238	360.322	382.783
81.5	166.871	210.300	283.392	349.271	371.320
82.0	155.321	199.075	272.675	338.186	359.998
82.5	144.118	188.207	262.240	327.437	348.870

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED57DMVFR50.IES**

**CANDELA TABULATION - (Cont.)**

83.0	133.239	177.631	252.064	316.807	338.024
83.5	122.469	167.130	241.833	306.328	327.221
84.0	111.882	156.987	232.101	296.077	316.775
84.5	101.608	147.027	222.368	286.063	306.415
85.0	91.324	137.122	212.776	275.995	296.044
85.5	81.613	127.659	203.433	266.360	286.171
86.0	71.762	118.229	194.274	256.681	276.244
86.5	62.040	108.843	185.028	247.100	266.370
87.0	52.556	99.683	176.030	237.778	257.038
87.5	43.083	90.665	167.347	228.954	248.127
88.0	33.729	81.602	158.663	220.844	239.941
88.5	24.407	72.757	150.780	214.009	233.042
89.0	15.075	64.332	144.486	208.061	227.137
89.5	0.000	57.422	139.479	202.849	221.774
90.0	0.000	53.356	135.402	198.286	217.015
90.5	0.000	51.193	132.331	194.565	213.057
91.0	0.000	50.934	130.536	191.743	210.051
91.5	0.000	50.923	129.919	190.132	208.051
92.0	0.000	50.739	129.563	189.094	206.634
92.5	0.000	50.523	129.130	188.142	205.315
93.0	0.000	50.512	128.697	187.212	204.212
93.5	0.000	50.382	128.319	186.368	203.130
94.0	0.000	50.253	127.876	185.471	202.103
94.5	0.000	50.090	127.573	184.649	201.130
95.0	0.000	49.961	127.054	183.827	200.059
95.5	0.000	49.777	126.762	183.005	199.075
96.0	0.000	49.723	126.308	182.238	198.221
96.5	0.000	49.539	125.843	181.405	197.312
97.0	0.000	49.420	125.421	180.843	196.544
97.5	0.000	49.225	124.999	180.042	195.723
98.0	0.000	49.009	124.588	179.339	194.922
98.5	0.000	48.933	124.047	178.550	194.079
99.0	0.000	48.782	123.669	177.858	193.376
99.5	0.000	48.706	123.085	177.241	192.619
100.0	0.000	48.587	122.609	176.452	191.862
100.5	0.000	48.414	122.166	175.825	191.148
101.0	0.000	48.155	121.668	175.144	190.380
101.5	0.000	48.057	121.171	174.430	189.699
102.0	0.000	47.884	120.641	173.705	188.996
102.5	0.000	47.679	120.133	173.035	188.369
103.0	0.000	47.592	119.614	172.235	187.601
103.5	0.000	47.452	119.008	171.521	186.833
104.0	0.000	47.203	118.500	170.764	186.109
104.5	0.000	46.998	117.883	169.974	185.287
105.0	0.000	46.825	117.375	169.131	184.606
105.5	0.000	46.619	116.716	168.385	183.806
106.0	0.000	46.403	116.034	167.498	182.876
106.5	0.000	46.219	115.504	166.774	182.129
107.0	0.000	46.024	114.812	165.757	181.253
107.5	0.000	45.830	114.163	164.805	180.248
108.0	0.000	45.570	113.525	163.984	179.307
108.5	0.000	45.386	112.801	162.978	178.355
109.0	0.000	45.148	112.055	162.005	177.458
109.5	0.000	44.856	111.287	160.945	176.398
110.0	0.000	44.532	110.584	159.874	175.263
110.5	0.000	44.294	109.805	158.868	174.203

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED57DMVFR50.IES**

**CANDELA TABULATION - (Cont.)**

111.0	0.000	44.024	109.027	157.809	172.970
111.5	0.000	43.764	108.378	156.738	171.932
112.0	0.000	43.332	107.415	155.516	170.721
112.5	0.000	42.996	106.658	154.370	169.542
113.0	0.000	42.737	105.761	153.191	168.266
113.5	0.000	42.467	104.961	152.002	166.947
114.0	0.000	42.110	104.031	150.801	165.638
114.5	0.000	41.807	103.101	149.482	164.340
115.0	0.000	41.374	102.257	148.238	163.010
115.5	0.000	40.996	101.338	146.897	161.658
116.0	0.000	40.780	100.365	145.600	160.231
116.5	0.000	40.390	99.424	144.172	158.825
117.0	0.000	40.012	98.472	142.810	157.333
117.5	0.000	39.601	97.564	141.534	155.895
118.0	0.000	39.287	96.515	140.149	154.316
118.5	0.000	38.876	95.423	138.787	152.813
119.0	0.000	38.444	94.482	137.359	151.126
119.5	0.000	38.130	93.530	135.943	149.601
120.0	0.000	37.719	92.449	134.440	147.968
120.5	0.000	37.449	91.476	133.001	146.400
121.0	0.000	37.103	90.481	131.498	144.637
121.5	0.000	36.757	89.594	129.876	143.048
122.0	0.000	36.389	88.599	128.416	141.361
122.5	0.000	36.032	87.474	126.794	139.728
123.0	0.000	35.686	86.436	125.323	138.030
123.5	0.000	35.351	85.377	123.777	136.365
124.0	0.000	35.037	84.317	122.241	134.721
124.5	0.000	34.724	83.289	120.706	132.969
125.0	0.000	34.399	82.219	119.214	131.304
125.5	0.000	34.032	81.235	117.689	129.563
126.0	0.000	33.794	80.164	116.132	127.897
126.5	0.000	33.502	79.169	114.618	126.243
127.0	0.000	33.058	78.120	113.017	124.448
127.5	0.000	32.831	77.061	111.514	122.815
128.0	0.000	32.453	76.076	109.957	121.117
128.5	0.000	32.096	75.049	108.454	119.419
129.0	0.000	31.793	74.043	106.886	117.689
129.5	0.000	31.490	73.049	105.480	115.991
130.0	0.000	31.155	71.924	103.901	114.196
130.5	0.000	30.744	71.016	102.430	112.541
131.0	0.000	30.398	69.934	100.862	110.844
131.5	0.000	30.106	68.918	99.391	109.286
132.0	0.000	29.782	67.977	97.867	107.513
132.5	0.000	29.382	66.928	96.385	105.837
133.0	0.000	29.046	65.933	94.893	104.258
133.5	0.000	28.625	64.981	93.292	102.592
134.0	0.000	28.322	63.965	91.897	100.851
134.5	0.000	27.954	62.959	90.329	99.110
135.0	0.000	27.597	62.029	88.848	97.445
135.5	0.000	27.132	60.980	87.410	95.812
136.0	0.000	26.894	59.942	85.939	94.114
136.5	0.000	26.538	59.001	84.468	92.546
137.0	0.000	26.094	57.963	82.933	90.859
137.5	0.000	25.683	57.011	81.494	89.226
138.0	0.000	25.272	56.060	79.948	87.561
138.5	0.000	24.905	55.065	78.564	86.058

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED57DMVFR50.IES**

**CANDELA TABULATION - (Cont.)**

139.0	0.000	24.461	54.059	77.082	84.295
139.5	0.000	24.072	53.194	75.676	82.803
140.0	0.000	23.672	52.134	74.292	81.192
140.5	0.000	23.261	51.248	72.876	79.602
141.0	0.000	22.763	50.296	71.394	78.077
141.5	0.000	22.428	49.366	70.075	76.574
142.0	0.000	21.985	48.403	68.691	75.038
142.5	0.000	21.520	47.409	67.328	73.568
143.0	0.000	21.033	46.543	66.019	72.000
143.5	0.000	20.514	45.592	64.635	70.496
144.0	0.000	20.157	44.662	63.338	69.112
144.5	0.000	19.681	43.797	62.040	67.642
145.0	0.000	19.216	42.899	60.656	66.225
145.5	0.000	18.719	42.066	59.401	64.711
146.0	0.000	18.286	41.169	58.114	63.392
146.5	0.000	17.865	40.217	56.860	61.921
147.0	0.000	17.335	39.385	55.584	60.548
147.5	0.000	16.902	38.487	54.254	59.142
148.0	0.000	16.491	37.644	53.032	57.822
148.5	0.000	15.951	36.832	51.821	56.525
149.0	0.000	15.561	35.935	50.642	55.151
149.5	0.000	15.140	35.070	49.452	53.713
150.0	0.000	14.631	34.237	48.241	52.394
150.5	0.000	14.177	33.383	47.095	51.150
151.0	0.000	13.777	32.658	45.830	49.874
151.5	0.000	13.334	31.793	44.705	48.663
152.0	0.000	12.890	30.982	43.559	47.430
152.5	0.000	12.523	30.193	42.456	46.100
153.0	0.000	12.122	29.436	41.277	44.900
153.5	0.000	11.787	28.603	40.228	43.851
154.0	0.000	11.301	27.803	39.147	42.510
154.5	0.000	10.890	27.003	38.022	41.418
155.0	0.000	10.565	26.192	37.027	40.196
155.5	0.000	10.100	25.467	35.913	39.060
156.0	0.000	9.765	24.667	34.918	37.925
156.5	0.000	9.387	23.899	33.880	36.811
157.0	0.000	9.051	23.023	32.885	35.773
157.5	0.000	8.673	22.255	31.966	34.713
158.0	0.000	8.435	21.477	30.982	33.675
158.5	0.000	7.981	20.611	30.063	32.647
159.0	0.000	7.710	19.833	29.111	31.599
159.5	0.000	7.429	19.119	28.257	30.593
160.0	0.000	7.018	18.341	27.230	29.598
160.5	0.000	6.715	17.605	26.310	28.635
161.0	0.000	0.000	16.870	25.402	27.619
161.5	0.000	0.000	16.091	24.450	26.624
162.0	0.000	0.000	15.496	23.596	25.694
162.5	0.000	0.000	14.761	22.731	24.688
163.0	0.000	0.000	14.112	21.823	23.683
163.5	0.000	0.000	13.442	20.936	22.763
164.0	0.000	0.000	12.652	20.114	21.877
164.5	0.000	0.000	12.122	19.227	20.936
165.0	0.000	0.000	11.398	18.395	20.017
165.5	0.000	0.000	10.760	17.573	19.043
166.0	0.000	0.000	10.100	16.643	18.081
166.5	0.000	0.000	9.581	15.745	17.270



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED57DMVFR50.IES**

**CANDELA TABULATION - (Cont.)**

167.0	0.000	0.000	8.900	14.956	16.286
167.5	0.000	0.000	8.273	14.080	15.475
168.0	0.000	0.000	7.689	13.236	14.491
168.5	0.000	0.000	7.170	12.350	13.669
169.0	0.000	0.000	6.521	11.549	12.804
169.5	0.000	0.000	0.000	10.792	11.928
170.0	0.000	0.000	0.000	9.960	11.149
170.5	0.000	0.000	0.000	9.105	10.154
171.0	0.000	0.000	0.000	8.251	9.311
171.5	0.000	0.000	0.000	7.505	8.446
172.0	0.000	0.000	0.000	6.672	7.624
172.5	0.000	0.000	0.000	0.000	6.824
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 : 44-48LED57DMVFR50.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	946.28	N.A.	12.90
0-30	1990.43	N.A.	27.20
0-40	3205.59	N.A.	43.70
0-60	5405.29	N.A.	73.70
0-80	6620.8	N.A.	90.30
0-90	6848.01	N.A.	93.40
10-90	6602.12	N.A.	90.10
20-40	2259.31	N.A.	30.80
20-50	3449.49	N.A.	47.10
40-70	2947.13	N.A.	40.20
60-80	1215.51	N.A.	16.60
70-80	468.08	N.A.	6.40
80-90	227.21	N.A.	3.10
90-110	238.47	N.A.	3.30
90-120	331.01	N.A.	4.50
90-130	398.80	N.A.	5.40
90-150	467.77	N.A.	6.40
90-180	482.03	N.A.	6.60
110-180	243.56	N.A.	3.30
0-180	7330.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	245.89
10-20	700.39
20-30	1044.14
30-40	1215.16
40-50	1190.18
50-60	1009.52
60-70	747.43
70-80	468.08
80-90	227.21
90-100	126.08
100-110	112.39
110-120	92.54
120-130	67.79
130-140	44.20
140-150	24.76
150-160	11.12
160-170	3.01
170-180	0.13

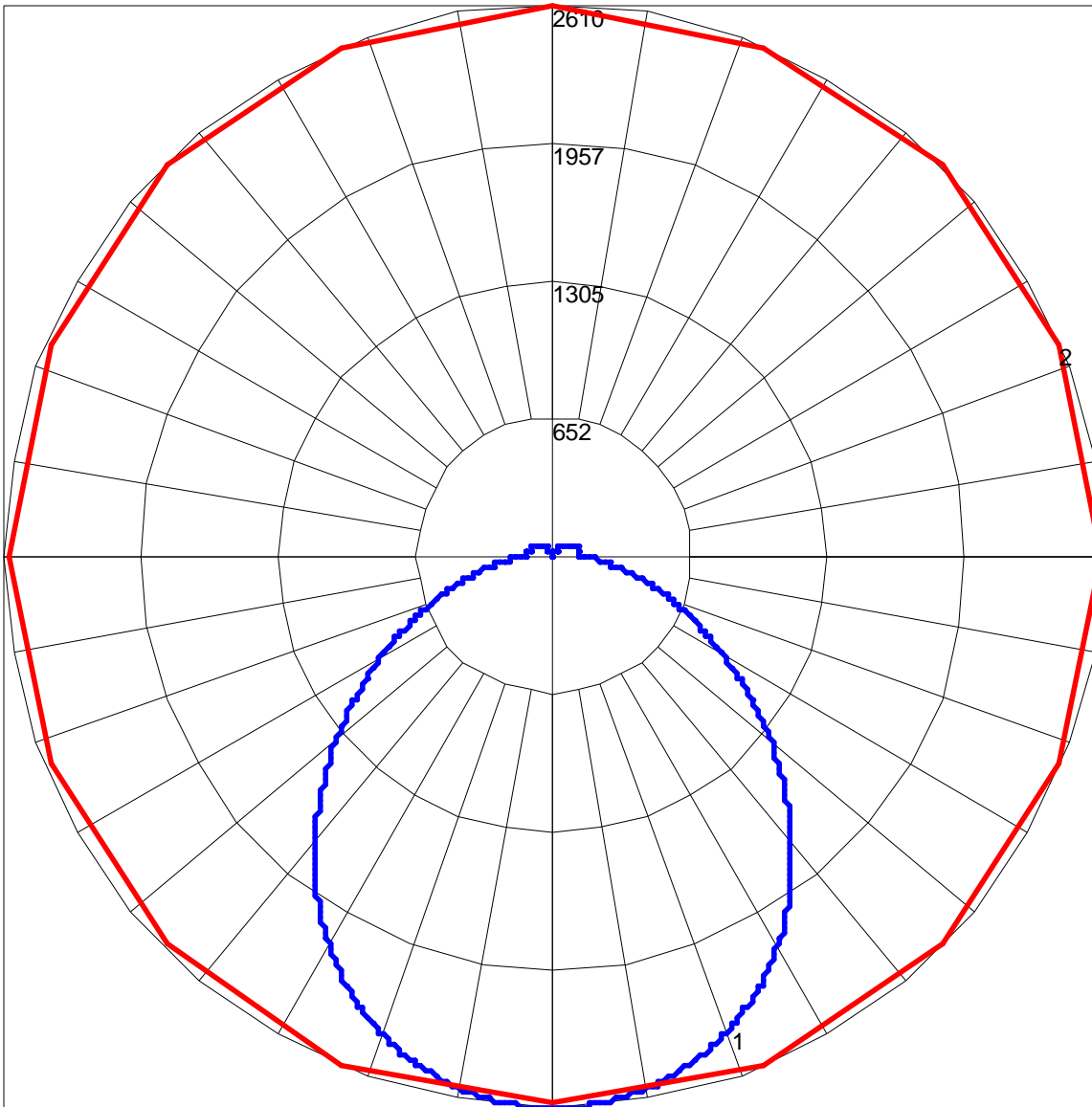
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED57DMVFR50.IES**

**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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	102	98	94	104	99	95	92	94	91	88	89	86	84	84	82	80	78
2	97	89	82	77	94	87	81	75	82	77	72	78	74	70	74	70	67	65
3	89	79	70	64	86	76	69	63	73	66	61	69	64	59	66	61	57	55
4	82	70	61	55	79	68	60	54	65	58	52	62	56	51	59	54	50	47
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41
6	69	56	48	41	67	55	47	41	53	45	40	50	44	39	48	43	38	36
7	64	51	43	37	62	50	42	36	48	41	35	46	40	35	44	38	34	32
8	60	47	38	33	58	46	38	32	44	37	32	42	36	31	41	35	31	29
9	56	43	35	29	54	42	34	29	41	34	29	39	33	28	38	32	28	26
10	53	40	32	27	51	39	32	27	38	31	26	36	30	26	35	29	25	24

POLAR GRAPH



Maximum Candela = 2609.981 Located At Horizontal Angle = 45, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)