



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPLIA48-LED60DMVWH50.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLIA000708-023A  
 [TESTLAB] LightLab International Allentown, LLC  
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA  
 [LUMCAT] LPLIA48-LED60DMVWH50  
 [LUMINAIRE] Catalog Number: LPLIA48-LED60DMVWH50  
 [MORE] Pendant mounted, formed white enamel steel housing, formed white  
 [MORE] enamel steel reflector trays, frosted linear ribbed plastic lower enclosure.  
 [MORE] 128 white LEDs, 4 lower Everline M10CC850D32N2S LED boards with 32 white LEDs each.  
 [MORE] One Everline D10CC55UNVTZ-C LED driver set at 1050mA.  
 [MORE] 120.0Vac, 60.00Hz, 0.4949A, 59.41W, 0.996PF, 4.6%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 was extrapolated from LPLIA48-LED60DMVWH30  
 [DATE] This file created: Monday, March 6, 2017 10:03:08 AM  
 [ISSUE DATE] Monday, March 6, 2017 10:03:08 AM

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7105
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	59.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.20 m
Luminous Width (90-270)	0.19 m
Luminous Height	0.01 m

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8443	9557	10413
55	7471	9149	10455
65	6443	8805	10682
75	5309	8859	11115
85	3914	10405	12110

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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	2391.725	2391.725	2391.725	2391.725	2391.725
0.5	2386.519	2387.047	2398.407	2395.960	2384.051
1.0	2386.325	2386.659	2397.933	2395.648	2384.029
1.5	2385.409	2386.098	2397.372	2395.249	2383.587
2.0	2384.557	2385.333	2396.564	2394.732	2383.059
2.5	2383.307	2384.191	2395.648	2393.880	2382.477
3.0	2381.820	2382.897	2394.365	2392.942	2381.809
3.5	2379.976	2381.173	2392.964	2391.606	2381.054
4.0	2377.939	2379.405	2391.304	2390.269	2379.890
4.5	2375.730	2377.357	2389.644	2388.944	2378.511
5.0	2373.089	2374.911	2387.500	2387.122	2377.239
5.5	2370.050	2372.270	2385.128	2385.268	2375.536
6.0	2367.172	2369.436	2382.617	2383.188	2373.865
6.5	2363.518	2366.299	2379.869	2380.990	2372.055
7.0	2359.768	2362.893	2376.883	2378.629	2369.996
7.5	2355.920	2359.326	2373.887	2375.946	2367.722
8.0	2351.695	2355.424	2370.546	2373.240	2365.448
8.5	2347.211	2351.275	2366.914	2370.363	2363.023
9.0	2342.447	2346.899	2363.163	2367.172	2360.328
9.5	2337.403	2342.383	2359.056	2363.960	2357.429
10.0	2332.036	2337.317	2354.885	2360.490	2354.368
10.5	2326.550	2332.424	2350.445	2356.858	2351.264
11.0	2320.557	2326.916	2345.918	2353.085	2348.138
11.5	2314.629	2321.215	2341.046	2349.054	2344.592
12.0	2308.152	2315.276	2335.991	2344.926	2340.960
12.5	2301.502	2309.187	2330.667	2340.637	2337.220
13.0	2294.625	2302.731	2325.181	2336.132	2333.157
13.5	2287.501	2296.091	2319.555	2331.497	2329.115
14.0	2279.978	2289.312	2313.789	2326.625	2324.922
14.5	2272.283	2282.155	2307.473	2321.560	2320.396
15.0	2264.415	2274.783	2301.394	2316.440	2315.804
15.5	2256.320	2267.131	2294.970	2311.008	2311.202
16.0	2247.774	2259.144	2288.180	2305.285	2306.190
16.5	2239.054	2251.136	2281.304	2299.767	2301.168
17.0	2230.205	2242.826	2274.266	2293.763	2295.994
17.5	2220.947	2234.312	2266.969	2287.641	2290.584
18.0	2211.462	2225.398	2259.489	2281.412	2285.033
18.5	2201.881	2216.356	2251.869	2275.096	2279.256
19.0	2191.771	2206.860	2243.861	2268.316	2273.339
19.5	2181.424	2197.419	2235.745	2261.580	2267.314
20.0	2171.056	2187.546	2227.479	2254.661	2261.149
20.5	2160.073	2177.512	2218.899	2247.407	2254.607
21.0	2149.349	2167.273	2210.245	2240.250	2248.194
21.5	2138.226	2156.807	2201.471	2232.684	2241.447
22.0	2126.596	2146.008	2192.353	2224.978	2234.484
22.5	2114.945	2135.025	2183.041	2217.196	2227.295
23.0	2103.090	2123.859	2173.567	2209.113	2220.225
23.5	2090.835	2112.326	2163.867	2200.954	2212.864
24.0	2078.451	2100.718	2154.026	2192.623	2205.384
24.5	2065.712	2088.852	2143.938	2184.129	2197.667
25.0	2052.843	2076.673	2133.721	2175.238	2189.691
25.5	2039.672	2064.375	2123.385	2166.464	2181.737
26.0	2026.544	2051.916	2112.811	2157.475	2173.535
26.5	2012.673	2039.004	2101.947	2148.271	2165.095

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**CANDELA TABULATION - (Cont.)**

27.0	1998.974	2026.059	2090.954	2138.830	2156.581
27.5	1984.920	2012.889	2079.777	2129.280	2147.905
28.0	1970.563	1999.287	2068.298	2119.548	2138.959
28.5	1956.078	1985.706	2056.863	2109.718	2130.089
29.0	1941.387	1971.835	2045.233	2099.662	2120.960
29.5	1926.384	1957.759	2033.108	2089.337	2111.389
30.0	1911.274	1943.543	2021.188	2079.076	2101.980
30.5	1896.044	1929.100	2009.073	2068.514	2092.387
31.0	1880.147	1914.227	1996.431	2057.671	2082.536
31.5	1864.379	1899.429	1984.014	2046.818	2072.480
32.0	1848.459	1884.501	1971.361	2035.889	2062.338
32.5	1832.109	1869.153	1958.287	2024.529	2051.937
33.0	1815.662	1853.795	1945.321	2013.201	2041.364
33.5	1799.204	1838.220	1932.172	2001.658	2030.661
34.0	1782.099	1822.420	1918.560	1989.834	2019.786
34.5	1765.307	1806.555	1905.195	1978.151	2008.739
35.0	1748.127	1790.452	1891.539	1966.123	1997.616
35.5	1730.527	1773.983	1877.560	1953.707	1986.062
36.0	1713.206	1757.558	1863.559	1941.344	1974.648
36.5	1695.487	1741.175	1849.591	1928.960	1963.051
37.0	1677.305	1724.189	1835.170	1916.145	1951.077
37.5	1659.413	1707.440	1820.900	1903.427	1938.962
38.0	1641.360	1690.508	1806.414	1890.450	1926.956
38.5	1622.887	1673.295	1791.508	1877.280	1914.518
39.0	1604.586	1656.061	1776.861	1864.087	1902.166
39.5	1585.940	1638.763	1762.041	1850.723	1889.524
40.0	1566.949	1621.130	1746.769	1837.024	1876.730
40.5	1548.281	1603.702	1731.637	1823.454	1863.807
41.0	1529.538	1586.047	1716.397	1809.799	1850.798
41.5	1510.213	1568.221	1700.822	1795.615	1837.498
42.0	1491.201	1550.340	1685.334	1781.690	1824.166
42.5	1472.307	1532.535	1669.642	1767.571	1810.833
43.0	1452.928	1514.255	1653.722	1753.225	1797.091
43.5	1433.948	1496.364	1637.868	1738.804	1783.425
44.0	1414.516	1478.224	1621.906	1724.383	1769.511
44.5	1394.792	1459.783	1605.437	1709.553	1755.327
45.0	1375.715	1441.655	1589.367	1694.981	1741.305
45.5	1356.530	1423.548	1573.060	1680.215	1726.991
46.0	1336.817	1404.891	1556.429	1665.018	1712.473
46.5	1317.395	1386.536	1539.896	1650.047	1698.139
47.0	1298.016	1368.289	1523.438	1635.055	1683.567
47.5	1278.443	1349.654	1506.430	1619.675	1668.704
48.0	1258.967	1331.191	1489.703	1604.445	1653.852
48.5	1239.416	1312.739	1472.889	1589.054	1638.914
49.0	1219.897	1294.104	1455.741	1573.286	1623.814
49.5	1200.648	1275.738	1438.798	1557.949	1608.757
50.0	1181.280	1257.265	1421.694	1542.321	1593.581
50.5	1161.707	1238.381	1404.384	1526.467	1578.179
51.0	1142.511	1220.080	1387.247	1510.688	1562.788
51.5	1123.423	1201.822	1370.110	1494.973	1547.408
52.0	1103.829	1183.112	1352.542	1478.893	1531.683
52.5	1084.795	1164.660	1335.233	1462.920	1516.044
53.0	1065.621	1146.197	1317.999	1446.828	1500.308
53.5	1046.371	1127.594	1300.269	1430.575	1484.540
54.0	1027.553	1109.304	1282.927	1414.634	1468.826
54.5	1008.681	1090.949	1265.445	1398.575	1452.982

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**CANDELA TABULATION - (Cont.)**

55.0	989.636	1072.282	1247.532	1382.095	1436.751
55.5	971.076	1054.121	1230.330	1366.165	1421.036
56.0	952.430	1035.960	1212.891	1349.912	1404.988
56.5	933.418	1017.314	1195.097	1333.476	1388.864
57.0	914.988	999.207	1177.507	1317.212	1372.945
57.5	896.503	981.046	1159.972	1301.034	1356.767
58.0	877.890	962.766	1142.177	1284.619	1340.255
58.5	859.934	944.767	1124.641	1268.398	1324.002
59.0	841.643	926.736	1107.181	1252.102	1307.576
59.5	823.407	908.564	1089.526	1235.633	1290.730
60.0	805.440	890.780	1072.152	1219.348	1274.369
60.5	787.656	872.996	1054.757	1202.976	1257.696
61.0	769.592	854.836	1037.113	1186.237	1240.796
61.5	752.067	837.127	1019.793	1169.715	1224.101
62.0	734.402	819.527	1002.570	1153.214	1207.362
62.5	716.586	801.829	985.120	1136.400	1190.074
63.0	699.374	784.315	968.048	1119.813	1173.078
63.5	682.172	766.822	951.062	1103.161	1155.779
64.0	664.873	749.394	933.903	1086.239	1138.750
64.5	647.973	732.203	917.078	1069.523	1121.958
65.0	631.052	715.056	900.383	1052.817	1104.874
65.5	613.872	697.714	883.311	1035.744	1087.317
66.0	597.328	680.685	866.691	1019.017	1070.040
66.5	580.783	663.892	850.126	1002.440	1053.065
67.0	564.261	646.896	833.301	985.540	1035.744
67.5	547.932	630.351	816.714	968.770	1018.586
68.0	531.830	613.775	800.267	952.139	1000.824
68.5	515.738	597.360	783.615	935.444	982.501
69.0	499.884	581.085	767.318	918.911	964.706
69.5	484.320	564.961	750.882	901.741	947.160
70.0	468.401	548.751	734.230	884.238	928.934
70.5	453.064	533.004	718.030	867.252	910.310
71.0	437.651	517.322	701.917	850.363	891.793
71.5	422.401	501.597	685.890	832.945	873.115
72.0	407.527	486.206	669.982	815.313	854.846
72.5	392.804	471.074	654.257	797.798	835.834
73.0	377.984	455.834	638.564	780.489	815.862
73.5	363.564	441.025	623.119	762.996	796.699
74.0	349.240	426.238	607.297	744.555	777.600
74.5	334.840	411.666	591.701	726.308	757.618
75.0	320.969	397.503	576.257	708.654	736.989
75.5	307.389	383.578	560.973	690.697	716.446
76.0	293.528	369.481	545.227	671.189	696.313
76.5	280.271	355.900	529.933	652.425	675.576
77.0	267.208	342.439	514.844	634.113	653.578
77.5	253.951	328.945	499.237	614.799	632.065
78.0	241.287	315.763	483.900	594.709	611.856
78.5	228.601	302.625	468.897	575.502	590.020
79.0	216.142	289.670	453.215	556.328	566.847
79.5	203.801	277.135	437.824	535.925	545.992
80.0	191.827	264.751	422.778	515.587	525.568
80.5	180.025	252.399	407.182	496.090	502.761
81.0	168.309	240.565	391.608	476.312	481.486
81.5	157.046	228.720	376.400	455.942	462.376
82.0	145.729	217.080	360.503	436.929	441.930
82.5	134.682	205.666	345.025	418.197	421.161

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**CANDELA TABULATION - (Cont.)**

83.0	123.872	194.392	329.721	398.344	402.192
83.5	113.244	183.097	313.963	379.687	383.535
84.0	102.941	172.125	299.391	361.731	364.253
84.5	92.712	161.390	284.248	342.762	346.211
85.0	82.700	150.579	269.148	325.258	328.901
85.5	73.043	140.060	254.415	308.186	311.366
86.0	63.407	129.767	239.509	290.650	294.681
86.5	53.858	119.560	224.872	274.526	278.741
87.0	44.610	109.698	210.074	258.424	262.541
87.5	35.557	100.063	196.084	242.279	247.549
88.0	26.589	90.492	181.663	227.653	233.128
88.5	17.967	80.997	168.266	212.467	218.114
89.0	9.830	71.868	154.654	198.595	204.825
89.5	0.000	62.599	141.655	184.530	190.706
90.0	0.000	53.771	128.754	171.090	177.999
90.5	0.000	45.020	116.510	158.307	165.550
91.0	0.000	36.484	104.557	145.320	152.864
91.5	0.000	28.454	92.917	133.227	141.256
92.0	0.000	20.715	81.654	121.544	129.293
92.5	0.000	13.354	70.779	109.677	118.181
93.0	0.000	6.521	60.389	98.694	107.101
93.5	0.000	0.000	50.484	87.884	96.474
94.0	0.000	0.000	40.752	77.311	86.202
94.5	0.000	0.000	31.677	67.287	76.103
95.0	0.000	0.000	22.903	57.264	66.446
95.5	0.000	0.000	14.378	47.553	56.822
96.0	0.000	0.000	7.070	38.370	47.682
96.5	0.000	0.000	0.000	29.629	38.801
97.0	0.000	0.000	0.000	20.985	30.362
97.5	0.000	0.000	0.000	13.084	22.278
98.0	0.000	0.000	0.000	6.747	14.647
98.5	0.000	0.000	0.000	0.000	8.202
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**  
**PHOTOMETRIC FILENAME : LPLIA48-LED60DMVWH50.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 : LPLIA48-LED60DMVWH50.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 : LPLIA48-LED60DMVWH50.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	874.07	N.A.	12.30
0-30	1853.95	N.A.	26.10
0-40	3029.72	N.A.	42.60
0-60	5341.05	N.A.	75.20
0-80	6800.61	N.A.	95.70
0-90	7064.14	N.A.	99.40
10-90	6837.87	N.A.	96.20
20-40	2155.65	N.A.	30.30
20-50	3367.6	N.A.	47.40
40-70	3187.21	N.A.	44.90
60-80	1459.56	N.A.	20.50
70-80	583.69	N.A.	8.20
80-90	263.53	N.A.	3.70
90-110	40.49	N.A.	0.60
90-120	40.49	N.A.	0.60
90-130	40.49	N.A.	0.60
90-150	40.49	N.A.	0.60
90-180	40.49	N.A.	0.60
110-180	0.00	N.A.	0.00
0-180	7104.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	226.27
10-20	647.80
20-30	979.89
30-40	1175.77
40-50	1211.95
50-60	1099.39
60-70	875.88
70-80	583.69
80-90	263.53
90-100	40.49
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

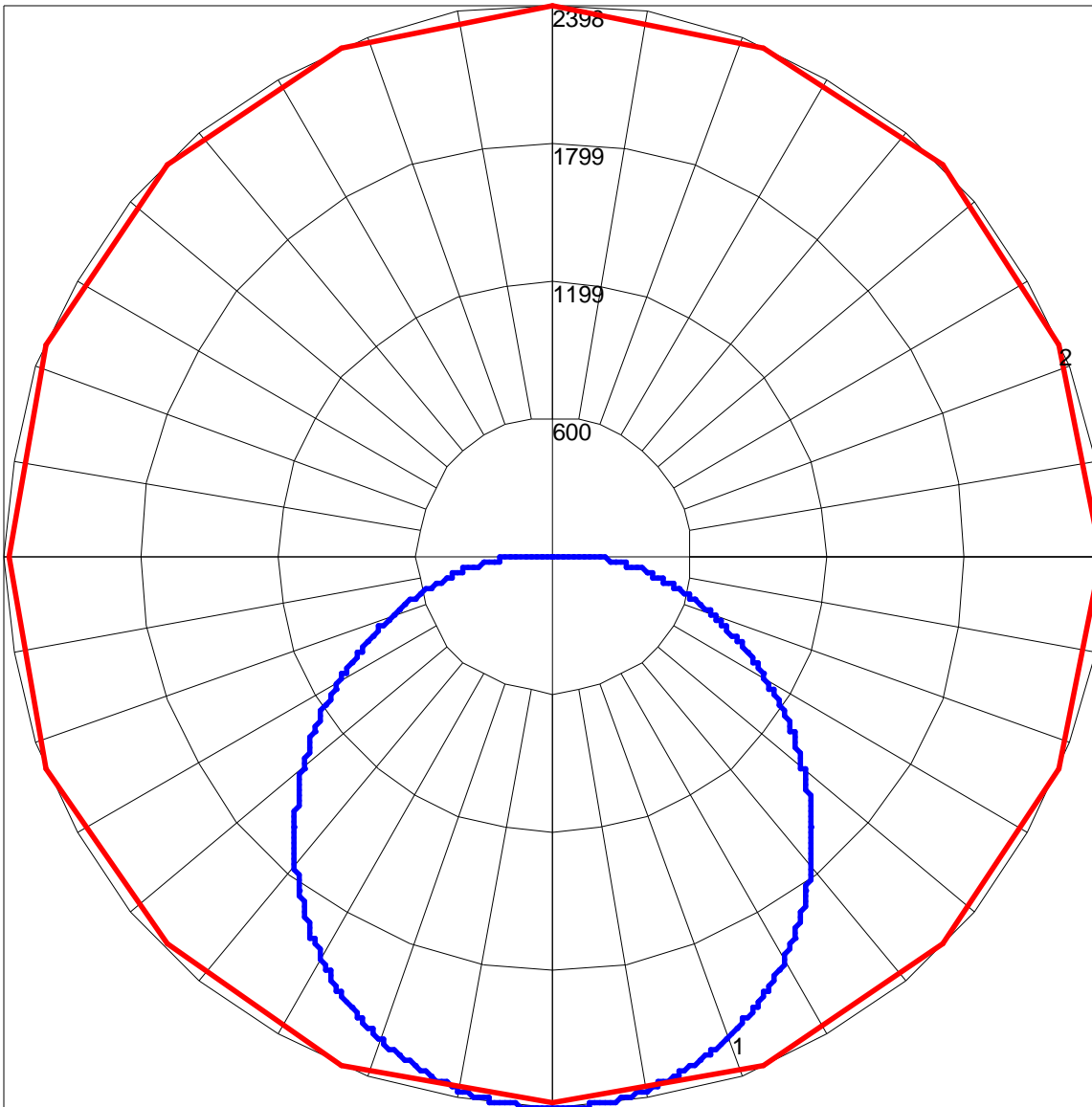
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPLIA48-LED60DMVWH50.IES**

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99
1	108	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	67	63	58	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	40	67	54	46	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	38	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 2398.407 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.)