



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 44-48LED48DMV50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000657-017
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] 44-48LED48DMV50
 [LUMINAIRE] Catalog Number: 44-48LED48DMV50
 [MORE] Surface/pendant mounted, white formed steel housing and LED tray.
 [MORE] 128 white LEDs, four Universal Lighting Technologies Everline
 [MORE] M10CC850D32N2S boards with 32 LED each. One Universal Lighting
 [MORE] Technologies Everline D10CC55UNVTZ-C LED driver set at 860mA.
 [MORE] 120.0Vac, 60.0Hz, 0.4000A, 48W, 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 LLIA000657-017 on 3/15/2019
 [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	6665
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	48
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	15928	15836	15549
55	15639	15402	15039
65	14733	14210	13583
75	12422	10817	10731
85	6793	5384	5176

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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	2246.251	2246.251	2246.251	2246.251	2246.251
0.5	2228.388	2240.131	2254.194	2254.366	2243.561
1.0	2228.063	2240.005	2253.842	2253.923	2243.408
1.5	2227.594	2239.328	2253.418	2253.553	2242.930
2.0	2227.025	2238.705	2252.867	2252.903	2242.280
2.5	2226.276	2238.028	2252.145	2252.046	2241.503
3.0	2225.337	2237.090	2251.216	2251.080	2240.628
3.5	2224.020	2235.907	2250.114	2249.934	2239.554
4.0	2222.693	2234.761	2248.923	2248.526	2238.200
4.5	2221.221	2233.299	2247.578	2247.127	2236.999
5.0	2219.470	2231.728	2245.908	2245.457	2235.402
5.5	2217.503	2229.914	2244.220	2243.634	2233.425
6.0	2215.562	2228.145	2242.180	2241.585	2231.529
6.5	2213.450	2226.014	2240.077	2239.527	2229.598
7.0	2211.157	2223.848	2237.748	2237.261	2227.197
7.5	2208.350	2221.564	2235.284	2234.788	2224.805
8.0	2205.805	2219.046	2232.685	2232.089	2222.232
8.5	2203.232	2216.411	2229.715	2229.273	2219.398
9.0	2200.317	2213.531	2226.655	2226.384	2216.438
9.5	2197.203	2210.489	2223.577	2223.225	2213.504
10.0	2193.782	2207.177	2220.120	2219.886	2210.020
10.5	2190.370	2203.729	2216.681	2216.221	2206.644
11.0	2186.823	2200.190	2213.080	2212.556	2202.998
11.5	2183.077	2196.372	2209.217	2208.657	2199.053
12.0	2179.322	2192.491	2205.362	2204.622	2195.217
12.5	2175.350	2188.520	2201.310	2200.299	2191.074
13.0	2171.117	2184.151	2196.959	2195.795	2186.588
13.5	2166.803	2179.620	2192.572	2191.083	2182.156
14.0	2162.551	2175.062	2188.023	2186.326	2177.616
14.5	2157.966	2170.214	2183.266	2181.253	2172.489
15.0	2153.326	2165.557	2178.239	2176.145	2167.723
15.5	2148.281	2160.872	2173.076	2171.000	2162.605
16.0	2142.919	2155.628	2167.804	2165.458	2157.172
16.5	2137.449	2150.276	2162.687	2159.988	2151.675
17.0	2131.772	2144.752	2157.352	2154.103	2146.096
17.5	2125.769	2139.074	2151.494	2148.109	2140.166
18.0	2120.011	2133.072	2145.708	2141.980	2134.128
18.5	2113.810	2126.961	2139.724	2135.770	2127.945
19.0	2107.600	2120.489	2133.559	2129.398	2121.744
19.5	2101.561	2114.090	2127.196	2122.791	2115.218
20.0	2095.405	2107.555	2120.760	2115.967	2108.529
20.5	2089.096	2100.884	2114.008	2108.908	2101.642
21.0	2082.390	2094.295	2107.275	2101.751	2094.710
21.5	2075.827	2087.381	2100.270	2094.575	2087.345
22.0	2068.868	2080.070	2093.185	2087.128	2080.151
22.5	2061.395	2072.659	2086.009	2079.465	2072.759
23.0	2054.110	2064.996	2078.608	2071.666	2065.122
23.5	2046.727	2057.432	2070.827	2063.597	2057.261
24.0	2039.262	2049.697	2063.182	2055.555	2049.390
24.5	2031.771	2041.943	2055.383	2047.187	2041.239
25.0	2023.494	2033.838	2047.052	2038.730	2032.727
25.5	2015.280	2025.831	2038.585	2029.938	2024.360
26.0	2006.976	2017.617	2029.938	2021.255	2015.893
26.5	1998.482	2008.952	2021.318	2012.211	2006.912

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CANDELA TABULATION - (Cont.)

27.0	1989.835	2000.305	2012.707	2003.356	1998.013
27.5	1980.863	1991.505	2003.780	1994.176	1988.941
28.0	1971.674	1982.352	1994.637	1984.609	1979.635
28.5	1963.180	1973.452	1985.259	1975.077	1970.185
29.0	1954.109	1964.516	1975.871	1965.266	1960.635
29.5	1944.641	1955.021	1966.024	1955.255	1950.733
30.0	1935.136	1945.661	1956.230	1945.218	1940.994
30.5	1925.451	1935.813	1946.220	1935.010	1930.885
31.0	1915.387	1925.695	1935.714	1924.431	1920.604
31.5	1905.738	1915.585	1925.424	1913.925	1910.206
32.0	1895.601	1905.350	1915.089	1903.301	1899.717
32.5	1884.941	1894.807	1904.257	1892.289	1888.967
33.0	1874.579	1884.328	1893.489	1881.376	1877.991
33.5	1864.028	1873.415	1882.586	1870.481	1866.997
34.0	1852.962	1862.087	1871.501	1859.271	1855.706
34.5	1842.040	1850.768	1860.210	1848.033	1844.558
35.0	1831.073	1839.269	1848.846	1836.633	1833.095
35.5	1819.709	1827.715	1837.175	1824.673	1820.928
36.0	1808.417	1815.999	1825.522	1812.786	1809.248
36.5	1796.638	1804.130	1813.878	1800.772	1797.414
37.0	1784.380	1791.683	1801.666	1788.388	1785.003
37.5	1772.349	1779.434	1789.571	1776.049	1772.755
38.0	1760.290	1767.023	1777.051	1763.431	1760.172
38.5	1748.041	1753.791	1764.703	1750.505	1747.463
39.0	1735.585	1741.010	1752.256	1737.643	1734.836
39.5	1723.002	1727.876	1739.638	1724.519	1721.621
40.0	1709.625	1714.671	1726.685	1711.295	1708.299
40.5	1696.240	1701.881	1713.407	1698.036	1695.166
41.0	1682.791	1688.603	1700.265	1684.560	1681.771
41.5	1669.035	1674.703	1686.609	1670.786	1668.168
42.0	1655.387	1661.814	1673.151	1657.111	1654.430
42.5	1641.135	1648.527	1659.693	1643.184	1640.539
43.0	1627.406	1634.816	1645.873	1628.940	1626.296
43.5	1613.298	1620.997	1631.765	1614.733	1612.350
44.0	1598.811	1607.151	1617.486	1600.318	1597.854
44.5	1583.863	1592.817	1602.809	1585.398	1583.304
45.0	1569.638	1578.556	1588.449	1570.857	1568.790
45.5	1554.844	1564.710	1573.953	1555.882	1554.059
46.0	1539.825	1549.943	1559.105	1540.619	1538.886
46.5	1525.148	1535.582	1544.202	1525.653	1523.875
47.0	1510.553	1520.933	1529.056	1510.309	1508.784
47.5	1495.226	1505.967	1513.694	1494.441	1493.313
48.0	1479.548	1490.939	1498.566	1478.925	1477.679
48.5	1463.860	1475.793	1483.059	1463.165	1462.118
49.0	1448.019	1460.475	1466.857	1447.080	1445.988
49.5	1432.864	1445.302	1451.115	1430.942	1430.283
50.0	1417.186	1429.642	1434.715	1414.622	1414.189
50.5	1401.137	1413.864	1418.043	1398.068	1397.743
51.0	1385.016	1398.321	1401.895	1381.902	1381.496
51.5	1368.995	1382.624	1385.287	1365.231	1365.132
52.0	1352.504	1366.152	1368.164	1348.126	1348.171
52.5	1335.679	1349.751	1351.249	1331.220	1331.464
53.0	1319.676	1333.413	1334.316	1314.287	1314.585
53.5	1302.932	1316.634	1316.868	1297.002	1297.164
54.0	1285.791	1299.854	1299.610	1279.671	1280.069
54.5	1268.885	1282.668	1282.054	1262.206	1262.459

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55.0	1251.456	1265.076	1263.858	1244.217	1244.343
55.5	1234.531	1248.215	1245.877	1226.679	1226.245
56.0	1216.750	1230.768	1228.006	1208.879	1208.049
56.5	1198.815	1212.733	1209.565	1190.375	1189.057
57.0	1180.997	1194.609	1191.061	1171.926	1170.229
57.5	1162.872	1176.845	1172.702	1153.341	1150.886
58.0	1144.414	1158.368	1153.648	1134.241	1131.037
58.5	1125.973	1140.361	1134.711	1114.979	1111.062
59.0	1107.695	1121.848	1115.350	1095.221	1090.843
59.5	1088.506	1103.173	1096.142	1074.903	1070.219
60.0	1069.722	1084.787	1076.952	1054.657	1049.882
60.5	1050.704	1065.922	1057.275	1033.915	1029.510
61.0	1031.090	1046.462	1037.381	1012.686	1008.425
61.5	1011.440	1027.434	1017.524	991.799	987.737
62.0	992.052	1007.929	997.666	970.948	966.986
62.5	971.562	987.854	977.149	949.710	945.828
63.0	951.659	967.979	956.895	928.543	925.104
63.5	931.666	947.507	935.963	907.151	904.443
64.0	911.087	926.711	914.625	885.389	883.701
64.5	890.994	906.366	893.314	864.168	863.473
65.0	870.225	885.398	871.317	843.065	843.092
65.5	849.961	864.096	848.355	821.763	822.215
66.0	829.210	842.812	824.841	800.804	801.725
66.5	808.594	821.646	800.985	779.990	781.172
67.0	787.780	800.028	776.560	758.778	760.331
67.5	767.155	778.817	752.478	737.693	739.508
68.0	746.431	757.253	728.423	716.301	718.684
68.5	725.418	735.509	704.134	694.539	697.644
69.0	704.675	714.018	679.908	673.400	676.658
69.5	683.473	692.319	655.645	651.782	655.645
70.0	662.162	670.349	631.256	629.866	634.235
70.5	640.950	648.767	608.221	608.303	613.312
71.0	619.694	627.140	585.972	586.721	592.119
71.5	598.148	604.846	563.605	564.796	570.682
72.0	577.063	583.120	542.258	543.377	549.614
72.5	556.231	561.556	520.929	522.121	528.656
73.0	534.739	539.857	499.510	500.692	507.417
73.5	513.825	518.483	478.885	479.724	486.575
74.0	492.587	496.946	458.314	458.784	465.427
74.5	471.547	475.247	438.294	438.051	444.604
75.0	451.084	454.108	418.789	417.868	424.060
75.5	430.622	432.608	399.355	397.794	403.805
76.0	409.907	410.737	379.868	377.783	383.162
76.5	389.490	389.318	360.777	358.304	363.214
77.0	369.117	367.709	341.786	339.223	343.573
77.5	348.375	346.092	322.768	320.232	323.851
78.0	328.166	325.106	304.030	301.674	304.652
78.5	308.055	304.454	285.291	283.296	285.950
79.0	288.414	283.865	266.751	265.027	267.176
79.5	269.224	264.432	248.627	247.354	249.421
80.0	250.405	245.215	230.764	230.096	231.648
80.5	231.567	225.520	213.388	212.793	214.011
81.0	213.334	206.890	196.446	196.365	197.250
81.5	195.580	188.530	180.109	180.325	181.002
82.0	178.024	169.539	164.069	164.466	165.008
82.5	161.262	152.263	148.589	149.221	149.772

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CANDELA TABULATION - (Cont.)

83.0	144.573	135.528	133.750	134.563	134.969
83.5	128.578	118.676	119.326	120.274	120.662
84.0	113.243	103.991	105.706	106.753	107.285
84.5	98.774	90.524	92.771	93.665	93.981
85.0	84.621	77.616	80.414	80.875	81.579
85.5	71.668	65.936	68.996	69.267	69.718
86.0	59.600	55.087	58.336	58.066	59.086
86.5	47.983	44.905	47.983	48.290	49.130
87.0	38.109	35.933	38.605	39.580	40.031
87.5	28.640	27.701	30.436	31.420	31.736
88.0	19.921	20.156	23.116	24.461	24.786
88.5	12.583	13.765	17.060	18.666	18.648
89.0	6.860	8.629	12.068	13.458	13.422
89.5	0.000	5.064	8.412	9.649	9.541
90.0	0.000	0.000	5.786	6.950	6.860
90.5	0.000	0.000	0.000	4.910	4.721
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

IES INDOOR REPORT
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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
PHOTOMETRIC FILENAME : 44-48LED48DMV50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	825.63	N.A.	12.40
0-30	1764.83	N.A.	26.50
0-40	2915.41	N.A.	43.70
0-60	5251.82	N.A.	78.80
0-80	6562.42	N.A.	98.50
0-90	6664.6	N.A.	100.00
10-90	6451.81	N.A.	96.80
20-40	2089.78	N.A.	31.40
20-50	3305.8	N.A.	49.60
40-70	3188.7	N.A.	47.80
60-80	1310.6	N.A.	19.70
70-80	458.31	N.A.	6.90
80-90	102.19	N.A.	1.50
90-110	0.21	N.A.	0.00
90-120	0.21	N.A.	0.00
90-130	0.21	N.A.	0.00
90-150	0.21	N.A.	0.00
90-180	0.21	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6664.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	212.79
10-20	612.84
20-30	939.20
30-40	1150.58
40-50	1216.02
50-60	1120.39
60-70	852.29
70-80	458.31
80-90	102.19
90-100	0.21
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

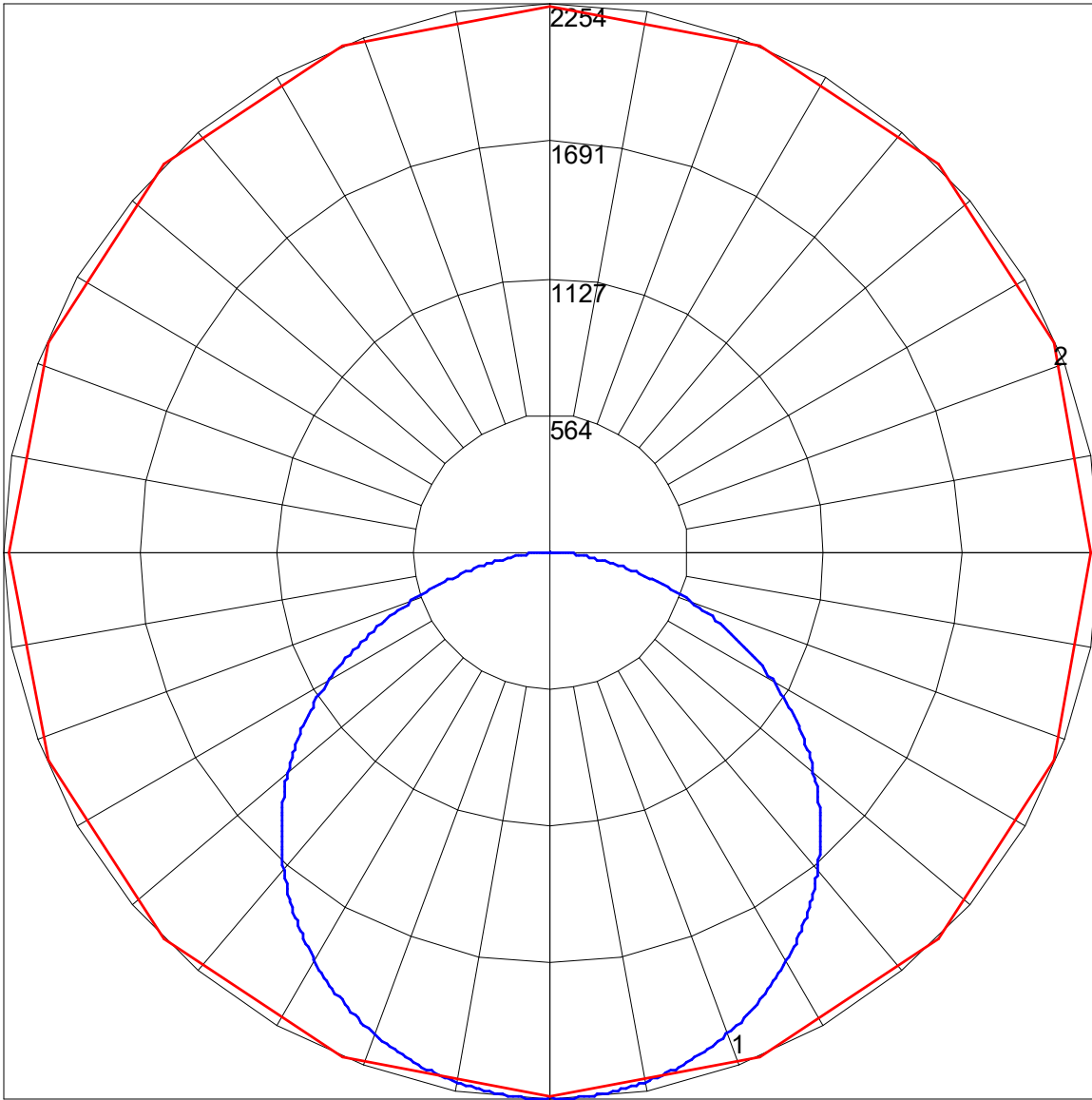
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	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	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	70	
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 = 2254.366 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.)