



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : 44-48LED24DMV50.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] 44-48LED24DMV50  
 [LUMINAIRE] Catalog Number: 44-48LED24DMV50  
 [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 D10CC30UNVTZ-C  
 [MORE] 120.0Vac, 60.0Hz, 0.2000A, 24W, 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  
 [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	3574
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	23
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	8541	8492	8338
55	8386	8259	8065
65	7901	7620	7284
75	6661	5801	5755
85	3642	2887	2776

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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>
<b>0.0</b>	1204.525	1204.525	1204.525	1204.525	1204.525
<b>0.5</b>	1194.946	1201.243	1208.784	1208.876	1203.082
<b>1.0</b>	1194.772	1201.175	1208.595	1208.639	1203.000
<b>1.5</b>	1194.520	1200.812	1208.368	1208.441	1202.744
<b>2.0</b>	1194.215	1200.478	1208.073	1208.092	1202.395
<b>2.5</b>	1193.814	1200.115	1207.686	1207.632	1201.979
<b>3.0</b>	1193.310	1199.612	1207.187	1207.114	1201.509
<b>3.5</b>	1192.603	1198.978	1206.596	1206.500	1200.933
<b>4.0</b>	1191.892	1198.363	1205.958	1205.745	1200.207
<b>4.5</b>	1191.103	1197.579	1205.236	1204.994	1199.564
<b>5.0</b>	1190.164	1196.737	1204.341	1204.099	1198.707
<b>5.5</b>	1189.109	1195.764	1203.436	1203.121	1197.647
<b>6.0</b>	1188.068	1194.815	1202.342	1202.022	1196.631
<b>6.5</b>	1186.936	1193.673	1201.214	1200.919	1195.595
<b>7.0</b>	1185.706	1192.512	1199.965	1199.704	1194.307
<b>7.5</b>	1184.201	1191.287	1198.644	1198.378	1193.025
<b>8.0</b>	1182.836	1189.937	1197.250	1196.931	1191.645
<b>8.5</b>	1181.457	1188.523	1195.658	1195.420	1190.125
<b>9.0</b>	1179.893	1186.979	1194.017	1193.872	1188.538
<b>9.5</b>	1178.223	1185.348	1192.366	1192.178	1186.965
<b>10.0</b>	1176.389	1183.572	1190.513	1190.387	1185.096
<b>10.5</b>	1174.559	1181.723	1188.668	1188.422	1183.286
<b>11.0</b>	1172.657	1179.825	1186.737	1186.456	1181.331
<b>11.5</b>	1170.648	1177.778	1184.666	1184.365	1179.216
<b>12.0</b>	1168.635	1175.697	1182.599	1182.202	1177.158
<b>12.5</b>	1166.505	1173.567	1180.426	1179.883	1174.937
<b>13.0</b>	1164.235	1171.224	1178.093	1177.468	1172.531
<b>13.5</b>	1161.922	1168.795	1175.740	1174.942	1170.155
<b>14.0</b>	1159.642	1166.350	1173.301	1172.391	1167.720
<b>14.5</b>	1157.183	1163.751	1170.750	1169.671	1164.971
<b>15.0</b>	1154.695	1161.254	1168.054	1166.931	1162.415
<b>15.5</b>	1151.989	1158.742	1165.285	1164.172	1159.671
<b>16.0</b>	1149.114	1155.929	1162.459	1161.200	1156.757
<b>16.5</b>	1146.181	1153.059	1159.714	1158.267	1153.809
<b>17.0</b>	1143.137	1150.097	1156.854	1155.111	1150.818
<b>17.5</b>	1139.918	1147.052	1153.713	1151.897	1147.638
<b>18.0</b>	1136.830	1143.834	1150.610	1148.611	1144.400
<b>18.5</b>	1133.505	1140.557	1147.401	1145.281	1141.084
<b>19.0</b>	1130.175	1137.087	1144.095	1141.864	1137.759
<b>19.5</b>	1126.937	1133.655	1140.683	1138.321	1134.260
<b>20.0</b>	1123.636	1130.151	1137.232	1134.662	1130.673
<b>20.5</b>	1120.252	1126.574	1133.611	1130.877	1126.980
<b>21.0</b>	1116.656	1123.040	1130.000	1127.038	1123.263
<b>21.5</b>	1113.137	1119.333	1126.244	1123.190	1119.313
<b>22.0</b>	1109.405	1115.412	1122.445	1119.197	1115.456
<b>22.5</b>	1105.398	1111.438	1118.597	1115.088	1111.492
<b>23.0</b>	1101.492	1107.329	1114.628	1110.906	1107.397
<b>23.5</b>	1097.532	1103.273	1110.456	1106.579	1103.181
<b>24.0</b>	1093.530	1099.125	1106.356	1102.266	1098.960
<b>24.5</b>	1089.512	1094.967	1102.174	1097.779	1094.590
<b>25.0</b>	1085.074	1090.621	1097.707	1093.244	1090.025
<b>25.5</b>	1080.669	1086.327	1093.167	1088.530	1085.538
<b>26.0</b>	1076.216	1081.923	1088.530	1083.873	1080.998
<b>26.5</b>	1071.662	1077.276	1083.907	1079.024	1076.182

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**CANDELA TABULATION - (Cont.)**

27.0	1067.025	1072.639	1079.290	1074.275	1071.410
27.5	1062.214	1067.920	1074.503	1069.353	1066.546
28.0	1057.286	1063.012	1069.600	1064.222	1061.555
28.5	1052.732	1058.240	1064.571	1059.111	1056.488
29.0	1047.867	1053.448	1059.537	1053.850	1051.367
29.5	1042.790	1048.356	1054.256	1048.482	1046.057
30.0	1037.693	1043.337	1049.005	1043.100	1040.834
30.5	1032.500	1038.056	1043.637	1037.625	1035.413
31.0	1027.103	1032.630	1038.003	1031.953	1029.900
31.5	1021.929	1027.209	1032.485	1026.319	1024.325
32.0	1016.493	1021.721	1026.943	1020.622	1018.700
32.5	1010.777	1016.067	1021.135	1014.717	1012.936
33.0	1005.220	1010.448	1015.361	1008.865	1007.050
33.5	999.562	1004.596	1009.514	1003.023	1001.155
34.0	993.628	998.522	1003.570	997.011	995.100
34.5	987.771	992.452	997.515	990.985	989.122
35.0	981.891	986.286	991.421	984.872	982.975
35.5	975.797	980.090	985.163	978.459	976.450
36.0	969.742	973.808	978.914	972.084	970.187
36.5	963.425	967.443	972.670	965.642	963.842
37.0	956.852	960.768	966.121	959.001	957.186
37.5	950.400	954.200	959.635	952.385	950.618
38.0	943.934	947.545	952.922	945.618	943.871
38.5	937.366	940.449	946.301	938.687	937.056
39.0	930.686	933.595	939.626	931.790	930.285
39.5	923.939	926.553	932.860	924.752	923.199
40.0	916.766	919.472	925.914	917.661	916.054
40.5	909.588	912.613	918.794	910.551	909.012
41.0	902.376	905.493	911.747	903.325	901.829
41.5	895.000	898.039	904.423	895.939	894.535
42.0	887.681	891.127	897.207	888.606	887.168
42.5	880.039	884.003	889.990	881.137	879.719
43.0	872.677	876.650	882.580	873.499	872.081
43.5	865.111	869.240	875.014	865.881	864.603
44.0	857.343	861.815	867.357	858.151	856.830
44.5	849.328	854.129	859.487	850.150	849.027
45.0	841.699	846.481	851.786	842.353	841.244
45.5	833.766	839.057	844.013	834.323	833.345
46.0	825.712	831.138	836.051	826.138	825.209
46.5	817.842	823.437	828.060	818.113	817.160
47.0	810.015	815.582	819.938	809.885	809.067
47.5	801.797	807.557	811.700	801.376	800.771
48.0	793.389	799.498	803.588	793.055	792.388
48.5	784.977	791.376	795.272	784.604	784.043
49.0	776.483	783.162	786.584	775.979	775.394
49.5	768.356	775.026	778.143	767.325	766.972
50.0	759.949	766.628	769.348	758.574	758.342
50.5	751.343	758.167	760.408	749.697	749.523
51.0	742.698	749.833	751.749	741.028	740.810
51.5	734.107	741.415	742.843	732.088	732.035
52.0	725.264	732.582	733.661	722.916	722.940
52.5	716.242	723.788	724.591	713.851	713.981
53.0	707.660	715.027	715.511	704.770	704.930
53.5	698.681	706.029	706.155	695.501	695.589
54.0	689.490	697.031	696.900	686.208	686.421
54.5	680.424	687.815	687.486	676.843	676.978

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**CANDELA TABULATION - (Cont.)**

55.0	671.078	678.382	677.728	667.196	667.264
55.5	662.002	669.340	668.087	657.792	657.559
56.0	652.467	659.984	658.503	648.247	647.801
56.5	642.850	650.313	648.615	638.324	637.618
57.0	633.295	640.594	638.692	628.431	627.521
57.5	623.576	631.069	628.847	618.465	617.148
58.0	613.678	621.161	618.630	608.223	606.505
58.5	603.790	611.505	608.475	597.894	595.794
59.0	593.988	601.578	598.093	587.299	584.951
59.5	583.698	591.563	587.793	576.404	573.892
60.0	573.625	581.704	577.502	565.547	562.987
60.5	563.427	571.588	566.951	554.424	552.062
61.0	552.909	561.152	556.283	543.040	540.756
61.5	542.372	550.949	545.635	531.840	529.662
62.0	531.976	540.490	534.986	520.659	518.534
62.5	520.988	529.725	523.984	509.270	507.189
63.0	510.316	519.067	513.123	497.920	496.076
63.5	499.595	508.089	501.899	486.449	484.997
64.0	488.559	496.937	490.456	474.779	473.874
64.5	477.785	486.028	479.029	463.400	463.027
65.0	466.648	474.784	467.233	452.083	452.098
65.5	455.781	463.361	454.920	440.661	440.903
66.0	444.654	451.948	442.311	429.422	429.915
66.5	433.599	440.598	429.518	418.260	418.894
67.0	422.437	429.005	416.421	406.886	407.718
67.5	411.377	417.631	403.507	395.579	396.552
68.0	400.264	406.068	390.608	384.108	385.386
68.5	388.996	394.408	377.583	372.438	374.103
69.0	377.874	382.883	364.592	361.102	362.850
69.5	366.504	371.247	351.582	349.510	351.582
70.0	355.076	359.466	338.504	337.758	340.101
70.5	343.702	347.894	326.151	326.195	328.881
71.0	332.303	336.296	314.220	314.622	317.516
71.5	320.750	324.341	302.226	302.865	306.021
72.0	309.443	312.691	290.779	291.379	294.724
72.5	298.272	301.128	279.342	279.981	283.485
73.0	286.747	289.492	267.856	268.490	272.096
73.5	275.533	278.030	256.796	257.246	260.920
74.0	264.144	266.482	245.765	246.017	249.580
74.5	252.861	254.846	235.030	234.899	238.413
75.0	241.889	243.510	224.570	224.077	227.397
75.5	230.916	231.981	214.149	213.312	216.536
76.0	219.808	220.253	203.699	202.581	205.466
76.5	208.859	208.767	193.462	192.136	194.769
77.0	197.935	197.180	183.279	181.904	184.237
77.5	186.812	185.587	173.080	171.720	173.661
78.0	175.975	174.334	163.032	161.769	163.366
78.5	165.191	163.260	152.984	151.914	153.337
79.0	154.659	152.219	143.042	142.118	143.270
79.5	144.368	141.798	133.323	132.641	133.749
80.0	134.277	131.493	123.744	123.386	124.219
80.5	124.175	120.932	114.427	114.107	114.761
81.0	114.398	110.942	105.342	105.298	105.773
81.5	104.877	101.097	96.581	96.697	97.060
82.0	95.463	90.913	87.980	88.193	88.484
82.5	86.475	81.649	79.679	80.018	80.313

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**CANDELA TABULATION - (Cont.)**

83.0	77.525	72.675	71.722	72.158	72.375
83.5	68.949	63.639	63.987	64.496	64.704
84.0	60.725	55.764	56.683	57.245	57.530
84.5	52.966	48.542	49.747	50.227	50.396
85.0	45.377	41.621	43.121	43.368	43.746
85.5	38.431	35.358	36.998	37.144	37.386
86.0	31.960	29.540	31.282	31.137	31.684
86.5	25.730	24.080	25.730	25.895	26.345
87.0	20.435	19.269	20.701	21.224	21.466
87.5	15.358	14.855	16.321	16.849	17.018
88.0	10.682	10.808	12.396	13.117	13.291
88.5	6.747	7.381	9.148	10.010	10.000
89.0	3.679	4.627	6.471	7.217	7.197
89.5	0.000	2.715	4.511	5.174	5.116
90.0	0.000	0.000	3.103	3.727	3.679
90.5	0.000	0.000	0.000	2.633	2.531
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**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	442.73	N.A.	12.40
0-30	946.37	N.A.	26.50
0-40	1563.35	N.A.	43.70
0-60	2816.22	N.A.	78.80
0-80	3519.02	N.A.	98.50
0-90	3573.81	N.A.	100.00
10-90	3459.71	N.A.	96.80
20-40	1120.62	N.A.	31.40
20-50	1772.7	N.A.	49.60
40-70	1709.9	N.A.	47.80
60-80	702.79	N.A.	19.70
70-80	245.76	N.A.	6.90
80-90	54.80	N.A.	1.50
90-110	0.11	N.A.	0.00
90-120	0.11	N.A.	0.00
90-130	0.11	N.A.	0.00
90-150	0.11	N.A.	0.00
90-180	0.11	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3573.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	114.11
10-20	328.63
20-30	503.63
30-40	616.98
40-50	652.08
50-60	600.80
60-70	457.03
70-80	245.76
80-90	54.80
90-100	0.11
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

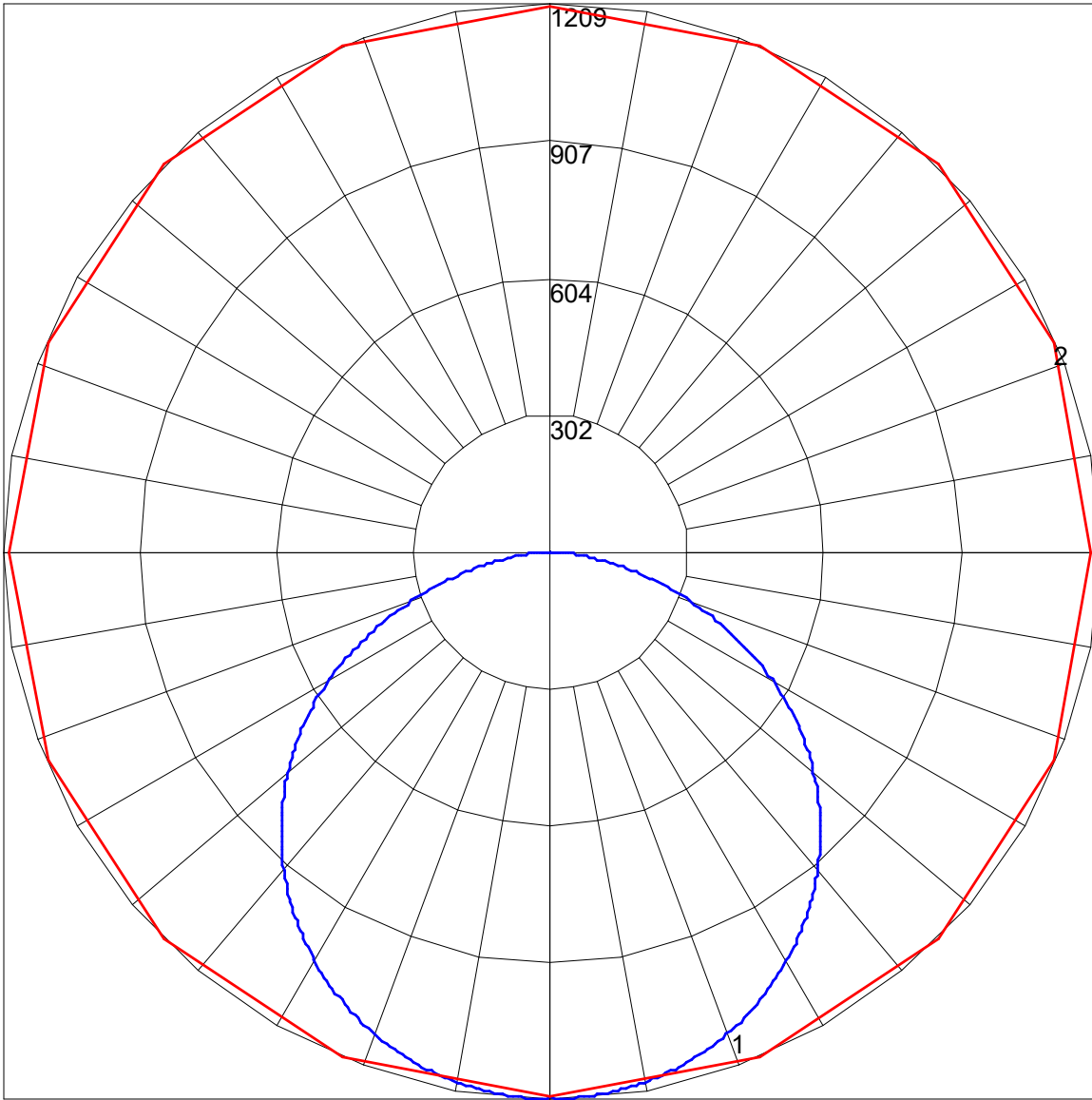
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED24DMV50.IES**

**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 = 1208.876 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.)