



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 44-48LED24DMVFR40.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] 44-48LED24DMVFR40
 [LUMINAIRE] Catalog Number: 44-48LED24DMVFR40
 [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 M10CC840D32N2S boards with 32 LED each. One Universal Lighting
 [MORE] Technologies Everline D10CC55UNVTZ-C LED driver set at 417mA.
 [MORE] 120.0Vac, 60.0Hz, 0.20A, 24.0W, 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 was extrapolated from 44-48LED57DMVFR30
 [DATE] The original file was 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	3200
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	24
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 : 44-48LED24DMVFR40.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6714	5898	5583
55	5845	4987	4785
65	4871	4087	4133
75	3821	3275	3550
85	2666	2609	3042

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED24DMVFR40.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	1135.722	1135.722	1135.722	1135.722	1135.722
0.5	1130.628	1132.237	1139.423	1139.036	1133.276
1.0	1130.425	1132.067	1139.267	1138.818	1133.177
1.5	1130.250	1131.813	1138.932	1138.549	1132.983
2.0	1129.905	1131.477	1138.559	1138.106	1132.606
2.5	1129.329	1130.977	1138.087	1137.615	1132.176
3.0	1128.725	1130.340	1137.431	1137.034	1131.572
3.5	1128.007	1129.617	1136.708	1136.359	1130.854
4.0	1127.115	1128.767	1135.910	1135.514	1130.104
4.5	1126.166	1127.894	1134.938	1134.541	1129.216
5.0	1125.085	1126.785	1133.843	1133.488	1128.201
5.5	1123.938	1125.595	1132.625	1132.346	1127.077
6.0	1122.592	1124.349	1131.364	1131.038	1125.817
6.5	1121.247	1122.970	1129.910	1129.627	1124.533
7.0	1119.680	1121.488	1128.385	1128.097	1122.984
7.5	1117.994	1119.897	1126.789	1126.426	1121.384
8.0	1116.361	1118.136	1125.005	1124.604	1119.562
8.5	1114.444	1116.280	1123.083	1122.668	1117.650
9.0	1112.527	1114.378	1121.086	1120.676	1115.771
9.5	1110.469	1112.296	1118.990	1118.580	1113.646
10.0	1108.326	1110.086	1116.738	1116.247	1111.437
10.5	1105.989	1107.806	1114.416	1113.802	1109.057
11.0	1103.685	1105.446	1111.951	1111.371	1106.560
11.5	1101.065	1102.896	1109.312	1108.675	1103.907
12.0	1098.506	1100.262	1106.626	1105.847	1101.173
12.5	1095.777	1097.562	1103.850	1103.005	1098.360
13.0	1092.860	1094.672	1100.871	1099.988	1095.390
13.5	1089.937	1091.717	1097.892	1096.858	1092.317
14.0	1086.850	1088.630	1094.635	1093.549	1088.988
14.5	1083.668	1085.367	1091.339	1090.060	1085.533
15.0	1080.325	1082.162	1087.987	1086.548	1082.105
15.5	1076.950	1078.753	1084.484	1082.917	1078.527
16.0	1073.348	1075.208	1080.727	1078.999	1074.769
16.5	1069.684	1071.488	1076.973	1075.194	1070.879
17.0	1065.931	1067.720	1073.050	1071.124	1066.743
17.5	1062.079	1063.821	1069.094	1066.951	1062.721
18.0	1058.089	1059.813	1064.878	1062.650	1058.453
18.5	1053.968	1055.696	1060.620	1058.245	1054.077
19.0	1049.667	1051.461	1056.168	1053.642	1049.478
19.5	1045.423	1047.089	1051.640	1049.049	1044.856
20.0	1041.037	1042.628	1047.080	1044.172	1040.088
20.5	1036.500	1037.978	1042.241	1039.186	1035.126
21.0	1031.732	1033.243	1037.397	1034.187	1030.141
21.5	1027.063	1028.451	1032.417	1029.055	1025.123
22.0	1022.078	1023.414	1027.233	1023.702	1019.675
22.5	1017.121	1018.301	1022.011	1018.244	1014.231
23.0	1011.913	1013.141	1016.686	1012.739	1008.722
23.5	1006.593	1007.768	1011.205	1006.918	1003.094
24.0	1001.348	1002.353	1005.587	1001.215	997.340
24.5	995.843	996.773	999.884	995.272	991.410
25.0	990.187	991.042	993.940	989.139	985.343
25.5	984.541	985.277	988.020	982.983	979.211
26.0	978.729	979.324	981.963	976.761	973.008
26.5	972.602	973.192	975.732	970.279	966.601

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED24DMVFR40.IES

CANDELA TABULATION - (Cont.)

27.0	966.563	967.059	969.358	963.721	960.081
27.5	960.369	960.790	962.975	957.112	953.448
28.0	953.887	954.303	956.357	950.323	946.707
28.5	947.575	947.807	949.691	943.426	939.913
29.0	940.961	941.136	942.968	936.424	932.988
29.5	934.210	934.281	936.009	929.343	925.831
30.0	927.502	927.497	929.041	922.177	918.716
30.5	920.614	920.519	921.903	914.812	911.488
31.0	913.429	913.306	914.609	907.310	904.024
31.5	906.300	906.097	907.301	899.841	896.565
32.0	899.067	898.756	899.917	892.250	889.030
32.5	891.575	891.268	892.283	884.489	881.288
33.0	884.106	883.710	884.678	876.727	873.536
33.5	876.491	876.123	876.949	868.839	865.680
34.0	868.678	868.215	869.061	860.756	857.763
34.5	860.865	860.369	861.191	852.768	849.747
35.0	852.910	852.410	853.203	844.634	841.665
35.5	844.705	844.219	844.988	836.306	833.346
36.0	836.481	835.995	836.778	827.950	825.122
36.5	828.309	827.841	828.625	819.655	816.927
37.0	819.740	819.358	820.193	811.073	808.400
37.5	811.327	810.898	811.762	802.589	800.091
38.0	802.702	802.386	803.288	794.016	791.617
38.5	793.959	793.661	794.648	785.249	782.987
39.0	785.178	784.989	786.084	776.638	774.442
39.5	776.260	776.213	777.388	767.908	765.770
40.0	767.087	767.299	768.447	758.924	757.008
40.5	758.117	758.443	759.699	750.242	748.378
41.0	748.977	749.511	750.913	741.395	739.691
41.5	739.554	740.427	741.867	732.440	730.830
42.0	730.343	731.401	732.964	723.517	722.129
42.5	721.090	722.318	723.975	714.618	713.357
43.0	711.573	713.046	714.745	705.615	704.458
43.5	702.183	703.887	705.775	696.631	695.795
44.0	692.684	694.690	696.574	687.670	687.000
44.5	683.044	685.305	687.269	678.540	677.950
45.0	673.536	676.024	678.157	669.641	669.249
45.5	664.046	666.714	669.013	660.718	660.576
46.0	654.203	657.225	659.679	651.668	651.677
46.5	644.553	647.872	650.488	642.755	642.967
47.0	634.927	638.515	641.206	633.860	634.318
47.5	625.141	628.936	631.901	624.843	625.603
48.0	615.406	619.593	622.643	615.977	616.926
48.5	605.751	610.175	613.319	607.121	608.315
49.0	595.899	600.658	603.967	598.188	599.614
49.5	586.197	591.291	594.733	589.488	591.197
50.0	576.543	581.863	585.517	580.773	582.817
50.5	566.586	572.308	576.174	571.907	574.239
51.0	556.979	562.989	566.983	563.314	565.982
51.5	547.362	553.613	557.819	554.755	557.678
52.0	537.542	544.175	548.557	546.163	549.321
52.5	527.926	534.781	539.417	537.661	541.163
53.0	518.271	525.461	530.300	529.177	533.024
53.5	508.489	516.090	521.071	520.707	524.895
54.0	498.986	506.837	512.110	512.450	516.940
54.5	489.412	497.579	503.103	504.217	509.009

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED24DMVFR40.IES

CANDELA TABULATION - (Cont.)

55.0	479.720	488.194	494.010	495.913	501.049
55.5	470.301	479.106	485.182	487.816	493.307
56.0	460.892	470.004	476.335	479.833	485.649
56.5	451.370	460.755	467.388	471.760	477.869
57.0	441.942	451.710	458.655	463.843	470.348
57.5	432.590	442.655	449.959	455.997	462.771
58.0	423.162	433.534	441.210	448.146	455.241
58.5	413.918	424.640	432.713	440.455	447.919
59.0	404.703	415.741	424.187	432.826	440.573
59.5	395.506	406.761	415.656	425.235	433.237
60.0	386.437	398.051	407.295	417.780	426.066
60.5	377.453	389.317	399.028	410.373	418.993
61.0	368.266	380.489	390.630	402.876	411.756
61.5	359.367	371.859	382.505	395.643	404.769
62.0	350.610	363.262	374.385	388.425	397.810
62.5	341.645	354.637	366.326	381.240	390.828
63.0	332.991	346.243	358.404	374.153	383.983
63.5	324.347	337.830	350.563	367.133	377.165
64.0	315.641	329.408	342.669	360.118	370.301
64.5	307.214	321.179	335.045	353.239	363.696
65.0	298.783	312.931	327.420	346.384	357.026
65.5	290.332	304.604	319.819	339.520	350.260
66.0	282.089	296.554	312.356	332.840	343.745
66.5	273.908	288.585	305.029	326.197	337.230
67.0	265.679	280.508	297.683	319.513	330.631
67.5	257.663	272.709	290.460	312.965	324.215
68.0	249.698	264.895	283.336	306.506	317.832
68.5	241.753	257.063	276.216	300.024	311.440
69.0	234.039	249.491	269.319	293.637	305.118
69.5	226.348	241.895	262.473	287.339	298.811
70.0	218.587	234.355	255.604	280.951	292.452
70.5	211.081	226.967	248.915	274.762	286.296
71.0	203.758	219.744	242.348	268.611	280.078
71.5	196.304	212.464	235.724	262.407	273.974
72.0	189.104	205.397	229.299	256.364	267.860
72.5	182.051	198.433	222.973	250.383	261.850
73.0	174.965	191.635	216.642	244.350	255.817
73.5	168.129	184.799	210.491	238.495	249.864
74.0	161.250	178.100	204.344	232.575	243.910
74.5	154.570	171.504	198.320	226.773	238.019
75.0	148.027	165.136	192.442	221.061	232.254
75.5	141.606	158.814	186.621	215.429	226.499
76.0	135.186	152.536	180.833	209.730	220.726
76.5	128.949	146.464	175.201	204.230	215.150
77.0	122.907	140.521	169.687	198.792	209.546
77.5	116.835	134.633	164.177	193.325	203.990
78.0	110.977	128.879	158.791	187.952	198.527
78.5	105.137	123.242	153.517	182.726	193.084
79.0	99.420	117.652	148.244	177.439	187.731
79.5	93.957	112.308	143.202	172.312	182.457
80.0	88.490	107.011	138.184	167.256	177.302
80.5	83.080	101.813	133.227	162.171	172.099
81.0	77.939	96.743	128.454	157.304	167.109
81.5	72.850	91.809	123.719	152.479	162.105
82.0	67.808	86.909	119.040	147.640	157.162
82.5	62.917	82.164	114.484	142.947	152.304

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED24DMVFR40.IES

CANDELA TABULATION - (Cont.)

83.0	58.167	77.547	110.042	138.306	147.569
83.5	53.465	72.963	105.576	133.732	142.853
84.0	48.843	68.535	101.327	129.256	138.292
84.5	44.359	64.187	97.078	124.885	133.770
85.0	39.869	59.862	92.890	120.489	129.242
85.5	35.629	55.731	88.811	116.283	124.932
86.0	31.329	51.615	84.813	112.058	120.598
86.5	27.084	47.517	80.776	107.875	116.288
87.0	22.944	43.518	76.848	103.805	112.213
87.5	18.808	39.581	73.057	99.953	108.323
88.0	14.725	35.625	69.267	96.412	104.750
88.5	10.655	31.763	65.825	93.429	101.738
89.0	6.581	28.085	63.077	90.832	99.160
89.5	0.000	25.069	60.891	88.557	96.818
90.0	0.000	23.293	59.112	86.564	94.741
90.5	0.000	22.349	57.771	84.940	93.013
91.0	0.000	22.236	56.987	83.708	91.701
91.5	0.000	22.231	56.718	83.005	90.827
92.0	0.000	22.151	56.562	82.551	90.209
92.5	0.000	22.057	56.373	82.136	89.633
93.0	0.000	22.052	56.185	81.730	89.151
93.5	0.000	21.995	56.019	81.362	88.679
94.0	0.000	21.938	55.826	80.970	88.231
94.5	0.000	21.868	55.694	80.611	87.806
95.0	0.000	21.811	55.467	80.252	87.338
95.5	0.000	21.731	55.340	79.893	86.909
96.0	0.000	21.707	55.141	79.558	86.536
96.5	0.000	21.627	54.938	79.195	86.139
97.0	0.000	21.575	54.754	78.949	85.804
97.5	0.000	21.490	54.570	78.600	85.445
98.0	0.000	21.396	54.391	78.293	85.096
98.5	0.000	21.363	54.155	77.948	84.728
99.0	0.000	21.296	53.989	77.646	84.421
99.5	0.000	21.263	53.734	77.377	84.090
100.0	0.000	21.211	53.527	77.033	83.760
100.5	0.000	21.136	53.333	76.759	83.448
101.0	0.000	21.023	53.116	76.461	83.113
101.5	0.000	20.980	52.899	76.150	82.816
102.0	0.000	20.905	52.667	75.833	82.509
102.5	0.000	20.815	52.446	75.541	82.235
103.0	0.000	20.777	52.219	75.191	81.900
103.5	0.000	20.716	51.955	74.880	81.565
104.0	0.000	20.607	51.733	74.549	81.248
104.5	0.000	20.517	51.464	74.205	80.890
105.0	0.000	20.442	51.242	73.836	80.592
105.5	0.000	20.352	50.954	73.511	80.243
106.0	0.000	20.258	50.656	73.124	79.837
106.5	0.000	20.178	50.425	72.807	79.511
107.0	0.000	20.093	50.123	72.363	79.129
107.5	0.000	20.008	49.840	71.948	78.690
108.0	0.000	19.894	49.561	71.589	78.279
108.5	0.000	19.814	49.245	71.150	77.863
109.0	0.000	19.710	48.919	70.725	77.472
109.5	0.000	19.583	48.584	70.263	77.009
110.0	0.000	19.441	48.277	69.795	76.513
110.5	0.000	19.337	47.937	69.356	76.051

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED24DMVFR40.IES

CANDELA TABULATION - (Cont.)

111.0	0.000	19.219	47.597	68.894	75.512
111.5	0.000	19.106	47.314	68.426	75.059
112.0	0.000	18.917	46.894	67.893	74.530
112.5	0.000	18.771	46.563	67.392	74.016
113.0	0.000	18.657	46.171	66.878	73.459
113.5	0.000	18.539	45.822	66.358	72.883
114.0	0.000	18.384	45.416	65.834	72.312
114.5	0.000	18.251	45.010	65.258	71.745
115.0	0.000	18.063	44.642	64.715	71.164
115.5	0.000	17.897	44.240	64.130	70.574
116.0	0.000	17.803	43.816	63.564	69.951
116.5	0.000	17.633	43.405	62.940	69.337
117.0	0.000	17.468	42.989	62.346	68.686
117.5	0.000	17.288	42.593	61.788	68.058
118.0	0.000	17.151	42.135	61.184	67.369
118.5	0.000	16.972	41.658	60.589	66.712
119.0	0.000	16.783	41.247	59.966	65.976
119.5	0.000	16.646	40.832	59.348	65.310
120.0	0.000	16.467	40.360	58.691	64.597
120.5	0.000	16.349	39.935	58.064	63.913
121.0	0.000	16.198	39.501	57.407	63.143
121.5	0.000	16.047	39.113	56.699	62.449
122.0	0.000	15.886	38.679	56.062	61.713
122.5	0.000	15.730	38.188	55.354	61.000
123.0	0.000	15.579	37.735	54.712	60.259
123.5	0.000	15.433	37.272	54.037	59.532
124.0	0.000	15.296	36.810	53.366	58.814
124.5	0.000	15.159	36.361	52.696	58.049
125.0	0.000	15.018	35.894	52.044	57.322
125.5	0.000	14.857	35.464	51.379	56.562
126.0	0.000	14.753	34.997	50.699	55.835
126.5	0.000	14.626	34.562	50.038	55.113
127.0	0.000	14.432	34.105	49.339	54.329
127.5	0.000	14.333	33.642	48.683	53.616
128.0	0.000	14.168	33.212	48.003	52.875
128.5	0.000	14.012	32.764	47.347	52.134
129.0	0.000	13.880	32.325	46.662	51.379
129.5	0.000	13.748	31.890	46.049	50.637
130.0	0.000	13.601	31.399	45.359	49.854
130.5	0.000	13.422	31.003	44.717	49.131
131.0	0.000	13.271	30.531	44.033	48.390
131.5	0.000	13.143	30.087	43.391	47.710
132.0	0.000	13.002	29.676	42.725	46.936
132.5	0.000	12.827	29.218	42.078	46.204
133.0	0.000	12.681	28.784	41.427	45.515
133.5	0.000	12.496	28.368	40.728	44.788
134.0	0.000	12.364	27.925	40.119	44.028
134.5	0.000	12.204	27.486	39.435	43.268
135.0	0.000	12.048	27.080	38.788	42.541
135.5	0.000	11.845	26.622	38.160	41.828
136.0	0.000	11.741	26.169	37.518	41.087
136.5	0.000	11.585	25.758	36.876	40.402
137.0	0.000	11.392	25.305	36.205	39.666
137.5	0.000	11.212	24.889	35.577	38.953
138.0	0.000	11.033	24.474	34.902	38.226
138.5	0.000	10.872	24.039	34.298	37.570

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED24DMVFR40.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	10.679	23.600	33.651	36.800
139.5	0.000	10.509	23.223	33.038	36.149
140.0	0.000	10.334	22.760	32.433	35.445
140.5	0.000	10.155	22.373	31.815	34.751
141.0	0.000	9.938	21.957	31.168	34.086
141.5	0.000	9.791	21.551	30.592	33.429
142.0	0.000	9.598	21.131	29.988	32.759
142.5	0.000	9.395	20.697	29.393	32.117
143.0	0.000	9.182	20.319	28.822	31.432
143.5	0.000	8.956	19.904	28.217	30.776
144.0	0.000	8.800	19.498	27.651	30.172
144.5	0.000	8.592	19.120	27.084	29.530
145.0	0.000	8.389	18.728	26.480	28.911
145.5	0.000	8.172	18.365	25.932	28.250
146.0	0.000	7.983	17.973	25.371	27.675
146.5	0.000	7.799	17.557	24.823	27.032
147.0	0.000	7.568	17.194	24.266	26.433
147.5	0.000	7.379	16.802	23.685	25.819
148.0	0.000	7.200	16.434	23.152	25.243
148.5	0.000	6.963	16.080	22.623	24.677
149.0	0.000	6.794	15.688	22.108	24.077
149.5	0.000	6.609	15.310	21.589	23.449
150.0	0.000	6.388	14.947	21.060	22.873
150.5	0.000	6.189	14.574	20.560	22.330
151.0	0.000	6.015	14.257	20.008	21.773
151.5	0.000	5.821	13.880	19.517	21.244
152.0	0.000	5.627	13.526	19.016	20.706
152.5	0.000	5.467	13.181	18.535	20.126
153.0	0.000	5.292	12.851	18.020	19.602
153.5	0.000	5.146	12.487	17.562	19.144
154.0	0.000	4.933	12.138	17.090	18.558
154.5	0.000	4.754	11.788	16.599	18.081
155.0	0.000	4.612	11.434	16.165	17.548
155.5	0.000	4.409	11.118	15.678	17.052
156.0	0.000	4.263	10.769	15.244	16.557
156.5	0.000	4.098	10.433	14.791	16.070
157.0	0.000	3.951	10.051	14.357	15.617
157.5	0.000	3.786	9.716	13.955	15.154
158.0	0.000	3.682	9.376	13.526	14.701
158.5	0.000	3.484	8.998	13.124	14.253
159.0	0.000	3.366	8.658	12.709	13.795
159.5	0.000	3.243	8.347	12.336	13.356
160.0	0.000	3.064	8.007	11.887	12.921
160.5	0.000	2.932	7.686	11.486	12.501
161.0	0.000	0.000	7.365	11.090	12.057
161.5	0.000	0.000	7.025	10.674	11.623
162.0	0.000	0.000	6.765	10.301	11.217
162.5	0.000	0.000	6.444	9.924	10.778
163.0	0.000	0.000	6.161	9.527	10.339
163.5	0.000	0.000	5.868	9.140	9.938
164.0	0.000	0.000	5.524	8.781	9.551
164.5	0.000	0.000	5.292	8.394	9.140
165.0	0.000	0.000	4.976	8.030	8.739
165.5	0.000	0.000	4.697	7.672	8.314
166.0	0.000	0.000	4.409	7.266	7.894
166.5	0.000	0.000	4.183	6.874	7.539

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED24DMVFR40.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	3.885	6.529	7.110
167.5	0.000	0.000	3.612	6.147	6.756
168.0	0.000	0.000	3.357	5.779	6.326
168.5	0.000	0.000	3.130	5.391	5.967
169.0	0.000	0.000	2.847	5.042	5.590
169.5	0.000	0.000	0.000	4.712	5.207
170.0	0.000	0.000	0.000	4.348	4.867
170.5	0.000	0.000	0.000	3.975	4.433
171.0	0.000	0.000	0.000	3.602	4.065
171.5	0.000	0.000	0.000	3.276	3.687
172.0	0.000	0.000	0.000	2.913	3.328
172.5	0.000	0.000	0.000	0.000	2.979
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 : 44-48LED24DMVFR40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	413.11	N.A.	12.90
0-30	868.95	N.A.	27.20
0-40	1399.44	N.A.	43.70
0-60	2359.75	N.A.	73.70
0-80	2890.4	N.A.	90.30
0-90	2989.59	N.A.	93.40
10-90	2882.25	N.A.	90.10
20-40	986.33	N.A.	30.80
20-50	1505.92	N.A.	47.10
40-70	1286.61	N.A.	40.20
60-80	530.65	N.A.	16.60
70-80	204.35	N.A.	6.40
80-90	99.19	N.A.	3.10
90-110	104.11	N.A.	3.30
90-120	144.51	N.A.	4.50
90-130	174.10	N.A.	5.40
90-150	204.21	N.A.	6.40
90-180	210.44	N.A.	6.60
110-180	106.33	N.A.	3.30
0-180	3200.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	107.35
10-20	305.77
20-30	455.84
30-40	530.50
40-50	519.59
50-60	440.72
60-70	326.30
70-80	204.35
80-90	99.19
90-100	55.04
100-110	49.07
110-120	40.40
120-130	29.60
130-140	19.30
140-150	10.81
150-160	4.86
160-170	1.32
170-180	0.06

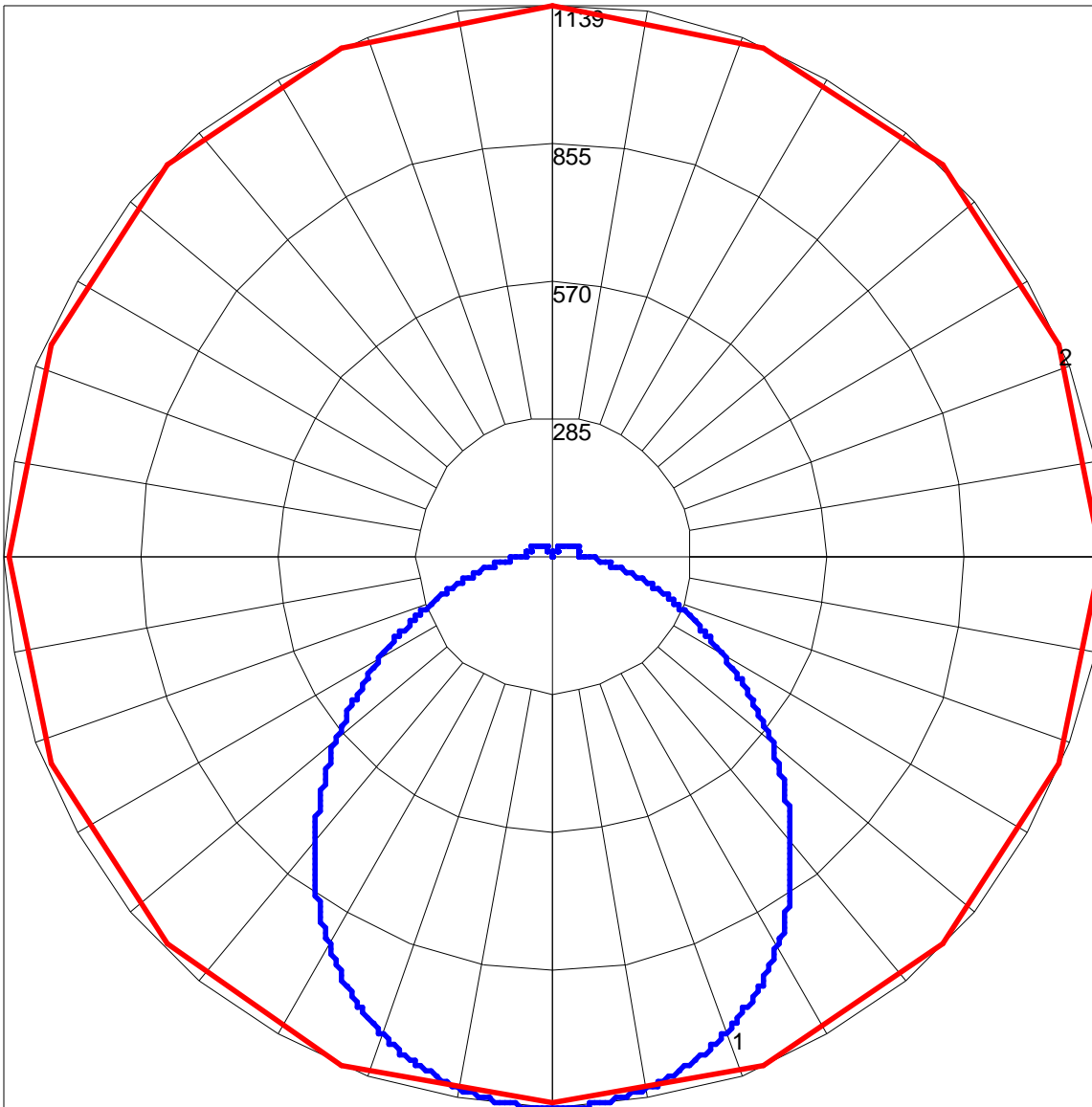
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED24DMVFR40.IES

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 = 1139.423 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.)