



IES INDOOR REPORT

PHOTOMETRIC FILENAME : L44SMW-48LED24DMVWH35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000534-001
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] L44SMW-48LED24DMVWH35
 [LUMINAIRE] Catalog Number: L44SMW-48LED24DMVWH35
 [MORE] Four-foot pendant mounted fixture with white steel housing, white enamel
 [MORE] internal reflector and frosted acrylic lens enclosure
 [MORE] 47 white LEDs
 [MORE] One Osram Optotronic OT50W/PRG1400C/UNV/DIM/L LED power supply with output set at 560mA
 [MORE] 120.0Vac, 60.0Hz, 0.2A, 24.W, 0.995PF, 7.48%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 extrapolated from LLIA000534-001
 [DATE] This file created: Wednesday, September 27, 2017 12:14:55 PM
 [ISSUE DATE] September 27, 2017 12:14:55 PM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1832
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.08 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	6278	5927	5453
55	5493	5067	4572
65	4660	4257	3830
75	3753	3539	3299
85	2864	3372	3572

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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	773.653	773.653	773.653	773.653	773.653
0.5	772.681	770.845	776.083	775.408	771.536
1.0	772.664	770.693	775.937	775.251	771.498
1.5	772.411	770.504	775.732	775.019	771.320
2.0	772.119	770.224	775.391	774.684	771.017
2.5	771.768	769.846	775.024	774.290	770.585
3.0	771.287	769.360	774.468	773.761	770.078
3.5	770.774	768.776	773.847	773.091	769.381
4.0	770.153	768.209	773.145	772.378	768.830
4.5	769.500	767.497	772.416	771.568	768.020
5.0	768.685	766.703	771.530	770.612	767.178
5.5	767.826	765.844	770.585	769.586	766.103
6.0	766.919	764.872	769.543	768.425	764.959
6.5	766.001	763.841	768.339	767.227	763.803
7.0	764.797	762.712	767.151	765.914	762.475
7.5	763.598	761.535	765.774	764.543	761.071
8.0	762.415	760.261	764.359	762.950	759.505
8.5	761.054	758.916	762.831	761.362	757.912
9.0	759.640	757.382	761.243	759.640	756.162
9.5	758.117	755.870	759.537	757.847	754.375
10.0	756.616	754.234	757.701	755.854	752.355
10.5	754.915	752.512	755.849	753.808	750.330
11.0	753.116	750.686	753.905	751.712	748.219
11.5	751.351	748.796	751.739	749.417	745.934
12.0	749.461	746.761	749.590	747.085	743.548
12.5	747.382	744.752	747.333	744.655	741.053
13.0	745.405	742.624	744.908	742.117	738.455
13.5	743.224	740.329	742.446	739.395	735.766
14.0	740.950	738.018	739.913	736.646	733.018
14.5	738.601	735.529	737.246	733.741	730.015
15.0	736.225	733.088	734.481	730.777	727.002
15.5	733.628	730.485	731.619	727.672	723.789
16.0	731.095	727.753	728.638	724.459	720.614
16.5	728.374	725.053	725.555	721.192	717.206
17.0	725.614	722.212	722.461	717.795	713.772
17.5	722.747	719.210	719.215	714.263	710.149
18.0	719.798	716.159	715.846	710.624	706.412
18.5	716.785	713.021	712.406	706.887	702.594
19.0	713.664	709.781	708.804	703.021	698.652
19.5	710.429	706.574	705.208	699.062	694.672
20.0	707.233	703.220	701.482	695.045	690.503
20.5	703.787	699.662	697.594	690.854	686.210
21.0	700.364	696.109	693.657	686.594	681.890
21.5	696.865	692.485	689.650	682.252	677.543
22.0	693.117	688.694	685.465	677.743	672.851
22.5	689.499	684.823	681.286	673.159	668.255
23.0	685.681	680.929	677.009	668.482	663.439
23.5	681.804	676.863	672.467	663.676	658.492
24.0	677.813	672.845	668.083	658.865	653.551
24.5	673.839	668.660	663.498	653.924	648.513
25.0	669.697	664.378	658.762	648.772	643.243
25.5	665.480	660.015	653.967	643.669	638.113
26.0	661.241	655.592	649.199	638.442	632.707
26.5	656.770	651.019	644.279	633.058	627.194

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CANDELA TABULATION - (Cont.)

27.0	652.390	646.439	639.193	627.653	621.675
27.5	647.779	641.752	634.111	622.134	616.021
28.0	643.135	636.973	628.943	616.496	610.249
28.5	638.550	632.124	623.657	610.853	604.525
29.0	633.798	627.232	618.322	605.097	598.633
29.5	628.895	622.123	612.835	599.162	592.634
30.0	624.019	617.161	607.424	593.309	586.618
30.5	618.970	612.036	601.857	587.380	580.619
31.0	613.802	606.717	596.171	581.229	574.430
31.5	608.796	601.479	590.452	575.089	568.242
32.0	603.607	596.122	584.734	568.933	561.951
32.5	598.223	590.549	578.875	562.615	555.514
33.0	592.898	585.166	572.951	556.411	549.245
33.5	587.569	579.582	567.022	550.028	542.716
34.0	582.817	573.917	560.952	543.586	536.139
34.5	577.913	568.285	554.936	537.203	529.573
35.0	572.351	562.583	548.818	530.669	523.033
35.5	566.568	556.870	542.554	524.027	516.310
36.0	560.380	551.588	536.398	517.466	509.668
36.5	554.218	546.642	530.199	510.959	503.048
37.0	547.646	540.999	523.768	504.284	496.309
37.5	541.771	534.978	517.493	497.642	489.591
38.0	535.766	528.590	511.159	490.968	482.841
38.5	529.681	521.748	504.700	484.159	475.978
39.0	523.557	515.041	498.334	477.522	469.195
39.5	517.385	508.459	491.864	470.831	462.499
40.0	511.153	502.119	485.320	464.000	455.582
40.5	504.927	495.931	478.872	457.277	448.870
41.0	498.674	489.596	472.408	450.560	442.136
41.5	492.199	483.257	465.782	443.680	435.310
42.0	485.876	476.917	459.335	437.027	428.441
42.5	479.466	470.572	452.822	430.321	421.713
43.0	473.008	464.146	446.310	423.484	414.974
43.5	466.598	457.753	440.219	416.831	408.218
44.0	460.080	451.337	434.230	410.125	401.544
44.5	453.460	444.771	428.107	403.348	394.783
45.0	447.007	438.448	421.956	396.781	388.238
45.5	440.435	431.989	415.368	390.204	381.629
46.0	433.804	425.461	408.375	383.454	374.895
46.5	427.307	419.018	401.355	376.963	368.415
47.0	420.800	412.582	394.378	370.456	361.984
47.5	414.153	406.080	387.580	363.852	355.401
48.0	407.635	399.659	380.857	357.404	348.986
48.5	401.026	393.260	374.431	350.968	342.592
49.0	394.416	386.743	367.907	344.552	336.209
49.5	387.920	380.403	361.584	338.251	329.918
50.0	381.402	374.004	355.163	331.922	323.714
50.5	374.787	367.562	348.705	325.577	317.417
51.0	368.410	361.249	342.398	319.437	311.267
51.5	361.946	354.931	336.161	313.249	305.294
52.0	355.412	348.500	329.735	307.093	299.138
52.5	348.975	342.257	323.552	301.034	293.166
53.0	342.576	336.026	317.304	295.007	287.291
53.5	336.172	329.713	311.067	288.938	281.308
54.0	329.832	323.525	304.981	283.117	275.540
54.5	323.563	317.385	298.868	277.268	269.827

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CANDELA TABULATION - (Cont.)

55.0	317.261	311.105	292.658	271.372	264.049
55.5	311.882	305.051	286.708	265.691	258.487
56.0	305.597	299.009	280.719	260.042	252.936
56.5	298.588	292.847	274.757	254.345	247.325
57.0	292.237	287.102	268.855	248.778	241.931
57.5	286.097	281.713	262.996	243.270	236.558
58.0	279.909	275.492	257.116	237.757	231.115
58.5	273.872	269.023	251.392	232.394	225.882
59.0	267.883	263.104	245.722	227.059	220.703
59.5	261.733	257.191	239.971	221.697	215.492
60.0	255.836	251.386	234.425	216.551	210.470
60.5	249.934	245.630	228.852	211.399	205.486
61.0	243.929	239.814	223.279	206.237	200.421
61.5	238.102	234.139	217.836	201.209	195.475
62.0	232.319	228.533	212.458	196.290	190.723
62.5	226.471	222.809	207.052	191.268	185.900
63.0	220.849	217.253	201.766	186.440	181.294
63.5	215.131	211.712	196.528	181.678	176.591
64.0	209.347	206.167	191.284	176.877	171.936
64.5	203.850	200.707	186.214	172.255	167.422
65.0	198.315	195.253	181.143	167.643	162.994
65.5	192.947	189.761	176.083	163.021	158.544
66.0	187.753	184.469	171.126	158.566	154.186
66.5	181.904	179.210	166.255	154.111	149.888
67.0	176.467	173.885	161.390	149.699	145.589
67.5	171.191	168.836	156.622	145.411	141.469
68.0	165.893	163.539	151.913	141.172	137.365
68.5	160.666	158.377	147.247	136.922	133.256
69.0	155.504	153.371	142.630	132.775	129.281
69.5	150.347	148.327	138.137	128.731	125.312
70.0	145.233	143.321	133.580	124.627	121.392
70.5	140.243	138.424	129.200	120.690	117.617
71.0	135.335	133.596	124.913	116.764	113.837
71.5	130.513	128.774	120.614	112.909	110.128
72.0	125.539	124.114	116.365	109.096	106.515
72.5	120.787	119.459	112.228	105.413	102.951
73.0	115.954	114.782	108.086	101.698	99.473
73.5	111.370	110.306	104.036	98.150	95.985
74.0	106.790	105.824	100.040	94.527	92.610
74.5	102.281	101.461	96.077	91.060	89.230
75.0	97.810	97.184	92.232	87.696	85.984
75.5	93.485	92.907	88.457	84.316	82.793
76.0	89.062	88.695	84.699	81.005	79.574
76.5	84.910	84.650	81.059	77.809	76.491
77.0	80.795	80.633	77.495	74.655	73.478
77.5	76.653	76.648	73.980	71.496	70.486
78.0	72.722	72.830	70.562	68.483	67.619
78.5	68.764	69.017	67.187	65.497	64.795
79.0	64.849	65.264	63.860	62.564	61.916
79.5	61.112	61.684	60.664	59.724	59.152
80.0	57.488	58.120	57.548	56.911	56.446
80.5	53.843	54.616	54.437	54.108	53.692
81.0	50.350	51.268	51.446	51.381	51.111
81.5	46.964	47.963	48.562	48.681	48.470
82.0	43.610	44.717	45.673	46.035	45.943
82.5	40.246	41.553	42.860	43.438	43.416

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CANDELA TABULATION - (Cont.)

83.0	37.147	38.529	40.122	40.851	40.954
83.5	33.988	35.516	37.411	38.329	38.475
84.0	30.991	32.616	34.765	35.899	36.121
84.5	28.085	29.797	32.146	33.448	33.745
85.0	25.132	27.022	29.587	31.072	31.342
85.5	22.415	24.376	27.108	28.712	29.079
86.0	19.672	21.816	24.624	26.368	26.892
86.5	16.945	19.240	22.167	24.035	24.581
87.0	14.429	16.799	19.802	21.773	22.367
87.5	11.858	14.332	17.447	19.575	20.174
88.0	9.326	11.923	15.131	17.366	18.106
88.5	6.880	9.536	12.857	15.196	15.957
89.0	4.466	7.182	10.654	13.176	14.018
89.5	1.933	4.882	8.575	11.297	12.247
90.0	0.000	3.294	7.004	9.806	10.827
90.5	0.000	2.651	6.097	8.807	9.785
91.0	0.000	2.489	5.719	8.332	9.223
91.5	0.000	2.376	5.454	7.987	8.878
92.0	0.000	2.263	5.292	7.722	8.586
92.5	0.000	2.187	5.146	7.522	8.386
93.0	0.000	2.052	5.076	7.409	8.278
93.5	0.000	1.960	5.000	7.333	8.170
94.0	0.000	1.912	4.855	7.268	8.100
94.5	0.000	1.852	4.779	7.166	8.030
95.0	0.000	1.787	4.682	7.058	7.960
95.5	0.000	1.744	4.558	6.993	7.868
96.0	0.000	1.728	4.460	6.917	7.819
96.5	0.000	1.674	4.412	6.788	7.700
97.0	0.000	1.663	4.315	6.685	7.598
97.5	0.000	1.615	4.196	6.550	7.522
98.0	0.000	1.604	4.142	6.458	7.403
98.5	0.000	1.550	4.001	6.350	7.252
99.0	0.000	1.571	3.969	6.248	7.150
99.5	0.000	1.528	3.904	6.145	7.069
100.0	0.000	1.550	3.802	6.059	6.971
100.5	0.000	1.496	3.742	5.935	6.847
101.0	0.000	1.485	3.688	5.832	6.723
101.5	0.000	1.507	3.656	5.740	6.631
102.0	0.000	1.458	3.580	5.648	6.583
102.5	0.000	1.469	3.494	5.567	6.404
103.0	0.000	1.453	3.461	5.486	6.340
103.5	0.000	1.436	3.429	5.389	6.215
104.0	0.000	1.415	3.380	5.314	6.161
104.5	0.000	1.442	3.321	5.211	6.048
105.0	0.000	1.404	3.299	5.162	5.945
105.5	0.000	1.404	3.256	5.054	5.854
106.0	0.000	1.377	3.245	4.973	5.778
106.5	0.000	1.420	3.202	4.919	5.648
107.0	0.000	1.404	3.164	4.849	5.616
107.5	0.000	1.426	3.105	4.811	5.513
108.0	0.000	1.382	3.116	4.730	5.416
108.5	0.000	1.372	3.083	4.693	5.308
109.0	0.000	1.366	3.024	4.617	5.281
109.5	0.000	1.388	3.035	4.525	5.195
110.0	0.000	1.361	2.992	4.482	5.103
110.5	0.000	1.366	2.954	4.406	5.033

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CANDELA TABULATION - (Cont.)

111.0	0.000	1.307	2.921	4.347	4.941
111.5	0.000	1.323	2.878	4.342	4.903
112.0	0.000	1.296	2.867	4.271	4.844
112.5	0.000	1.334	2.803	4.196	4.806
113.0	0.000	1.307	2.830	4.153	4.649
113.5	0.000	1.307	2.792	4.077	4.601
114.0	0.000	1.296	2.765	4.018	4.558
114.5	0.000	1.242	2.732	3.969	4.504
115.0	0.000	1.258	2.689	3.910	4.423
115.5	0.000	1.269	2.678	3.877	4.369
116.0	0.000	1.264	2.641	3.839	4.315
116.5	0.000	1.247	2.624	3.807	4.261
117.0	0.000	1.247	2.581	3.742	4.244
117.5	0.000	1.242	2.603	3.688	4.158
118.0	0.000	1.226	2.538	3.661	4.088
118.5	0.000	1.199	2.495	3.602	4.099
119.0	0.000	1.183	2.500	3.548	4.023
119.5	0.000	1.215	2.473	3.521	3.953
120.0	0.000	1.161	2.419	3.488	3.888
120.5	0.000	1.161	2.446	3.456	3.823
121.0	0.000	1.193	2.408	3.402	3.785
121.5	0.000	1.183	2.398	3.359	3.726
122.0	0.000	1.166	2.376	3.316	3.677
122.5	0.000	1.112	2.338	3.278	3.640
123.0	0.000	1.118	2.360	3.240	3.542
123.5	0.000	1.156	2.317	3.213	3.526
124.0	0.000	1.150	2.279	3.154	3.445
124.5	0.000	1.118	2.284	3.094	3.434
125.0	0.000	1.118	2.284	3.105	3.413
125.5	0.000	1.102	2.241	3.062	3.386
126.0	0.000	1.112	2.241	3.029	3.332
126.5	0.000	1.096	2.192	3.013	3.283
127.0	0.000	1.096	2.160	2.975	3.262
127.5	0.000	1.112	2.182	2.921	3.218
128.0	0.000	1.085	2.160	2.878	3.148
128.5	0.000	1.091	2.117	2.851	3.132
129.0	0.000	1.096	2.128	2.824	3.078
129.5	0.000	1.123	2.074	2.813	3.056
130.0	0.000	1.112	2.095	2.759	3.024
130.5	0.000	1.080	2.025	2.754	2.992
131.0	0.000	1.118	2.041	2.722	2.921
131.5	0.000	0.000	2.025	2.662	2.970
132.0	0.000	0.000	1.966	2.668	2.846
132.5	0.000	1.091	1.966	2.624	2.867
133.0	0.000	0.000	1.955	2.576	2.819
133.5	0.000	0.000	1.901	2.565	2.797
134.0	0.000	0.000	1.917	2.533	2.732
134.5	0.000	0.000	1.879	2.506	2.722
135.0	0.000	0.000	1.847	2.462	2.678
135.5	0.000	0.000	1.804	2.425	2.603
136.0	0.000	0.000	1.820	2.376	2.614
136.5	0.000	0.000	1.766	2.344	2.527
137.0	0.000	0.000	1.750	2.333	2.506
137.5	0.000	0.000	1.712	2.252	2.452
138.0	0.000	0.000	1.685	2.214	2.414
138.5	0.000	0.000	1.642	2.176	2.354

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CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	1.588	2.079	2.268
139.5	0.000	0.000	1.561	2.101	2.257
140.0	0.000	0.000	1.550	2.095	2.268
140.5	0.000	0.000	1.507	2.009	2.149
141.0	0.000	0.000	1.490	1.993	2.122
141.5	0.000	0.000	1.442	1.917	2.074
142.0	0.000	0.000	1.388	1.901	2.014
142.5	0.000	0.000	1.355	1.847	1.960
143.0	0.000	0.000	1.361	1.820	2.003
143.5	0.000	0.000	1.291	1.755	1.922
144.0	0.000	0.000	1.269	1.744	1.831
144.5	0.000	0.000	1.220	1.685	1.831
145.0	0.000	0.000	1.188	1.663	1.793
145.5	0.000	0.000	1.183	1.615	1.728
146.0	0.000	0.000	1.161	1.615	1.723
146.5	0.000	0.000	1.091	1.517	1.696
147.0	0.000	0.000	1.107	1.501	1.663
147.5	0.000	0.000	0.000	1.458	1.604
148.0	0.000	0.000	0.000	1.393	1.555
148.5	0.000	0.000	0.000	1.355	1.485
149.0	0.000	0.000	0.000	1.296	1.442
149.5	0.000	0.000	0.000	1.258	1.420
150.0	0.000	0.000	0.000	1.177	1.350
150.5	0.000	0.000	0.000	1.156	1.269
151.0	0.000	0.000	0.000	0.000	1.226
151.5	0.000	0.000	0.000	0.000	1.172
152.0	0.000	0.000	0.000	0.000	1.129
152.5	0.000	0.000	0.000	0.000	1.080
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 : L44SMW-48LED24DMVWH35.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
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	279.30	N.A.	15.20
0-30	581.42	N.A.	31.70
0-40	923.18	N.A.	50.40
0-60	1506.88	N.A.	82.20
0-80	1785.36	N.A.	97.40
0-90	1817.88	N.A.	99.20
10-90	1744.88	N.A.	95.20
20-40	643.88	N.A.	35.10
20-50	966.48	N.A.	52.70
40-70	763.73	N.A.	41.70
60-80	278.47	N.A.	15.20
70-80	98.45	N.A.	5.40
80-90	32.52	N.A.	1.80
90-110	8.32	N.A.	0.50
90-120	10.84	N.A.	0.60
90-130	12.68	N.A.	0.70
90-150	14.37	N.A.	0.80
90-180	14.40	N.A.	0.80
110-180	6.09	N.A.	0.30
0-180	1832.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.99
10-20	206.31
20-30	302.12
30-40	341.76
40-50	322.60
50-60	261.10
60-70	180.03
70-80	98.45
80-90	32.52
90-100	4.89
100-110	3.42
110-120	2.52
120-130	1.84
130-140	1.13
140-150	0.56
150-160	0.03
160-170	0.00
170-180	0.00

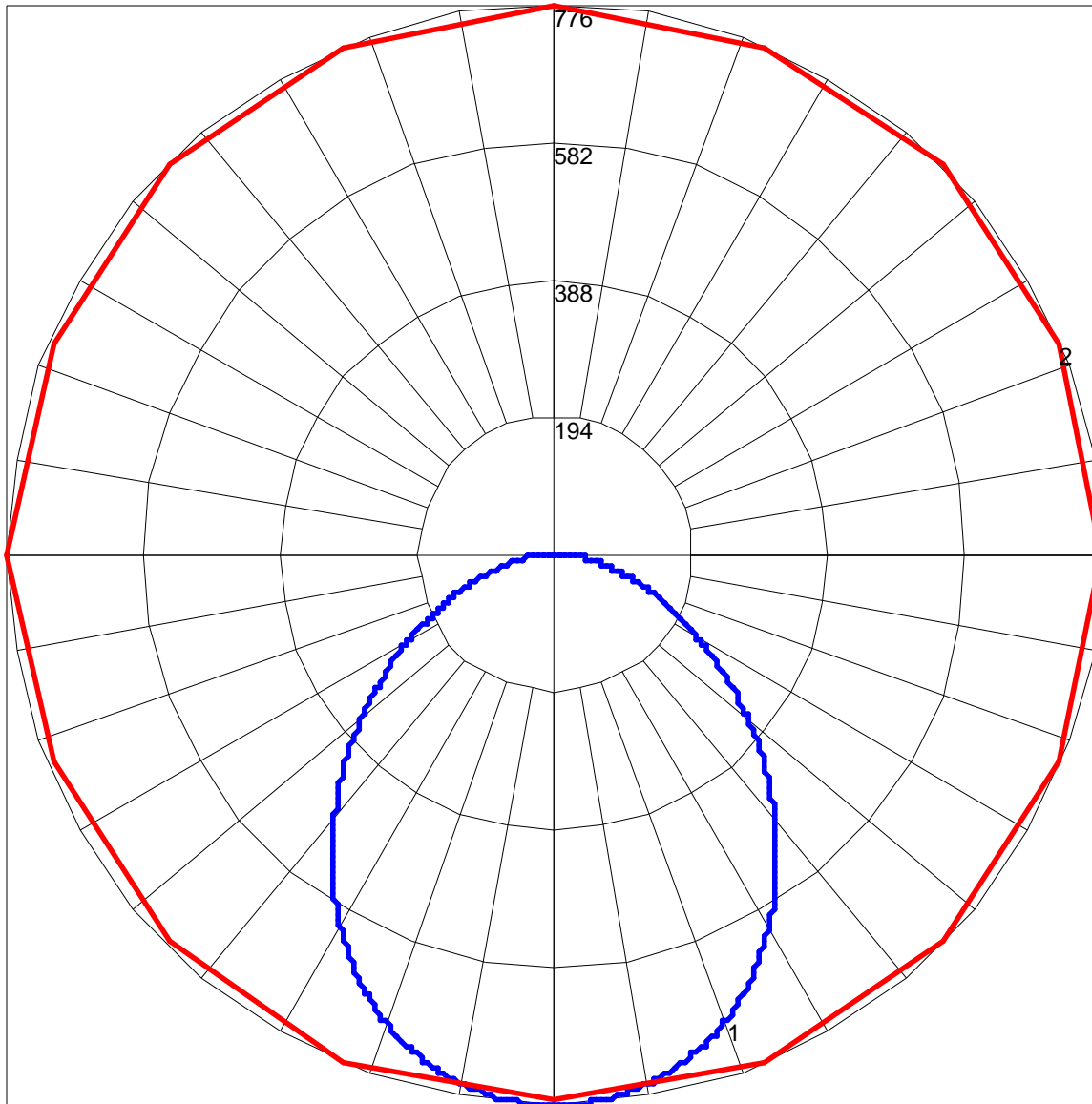
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	101	101	99
1	109	105	101	97	106	102	99	95	98	95	92	94	92	89	90	88	87	84
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	64	59	55	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	58	53	48	46
6	72	59	51	45	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	38	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 776.083 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.)