



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPLIA48-LED24DMVWH35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000708-021A
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] LPLIA48-LED24DMVWH35
 [LUMINAIRE] Catalog Number: LPLIA48-LED24DMVWH35
 [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 M10CC835D32N2S LED boards with 32 white LEDs each.
 [MORE] One Everline D10CC55UNVTZ-C LED driver set at 417mA.
 [MORE] 120.0Vac, 60.00Hz, 0.1915A, 22.81W, 0.993PF, 8.1%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 created: Monday, March 6, 2017 9:25:04 AM
 [ISSUEDATE] Monday, March 6, 2017 9:25:04 AM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2937
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	22.8
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	3492	3954	4308
55	3089	3786	4326
65	2664	3644	4417
75	2196	3662	4559
85	1624	4253	4904

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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	989.595	989.595	989.595	989.595	989.595
0.5	987.321	987.707	992.416	991.422	986.144
1.0	987.138	987.585	992.365	991.330	986.154
1.5	986.773	987.412	992.102	991.117	986.184
2.0	986.468	987.006	991.797	990.894	986.083
2.5	985.941	986.550	991.310	990.508	985.758
3.0	985.392	985.941	990.782	990.153	985.352
3.5	984.448	985.362	990.234	989.645	984.926
4.0	983.708	984.550	989.574	989.057	984.560
4.5	982.713	983.677	988.640	988.468	984.205
5.0	981.678	982.753	987.839	987.788	983.596
5.5	980.470	981.586	986.874	986.996	982.774
6.0	979.181	980.338	985.880	986.184	982.073
6.5	977.699	979.140	984.783	985.159	981.363
7.0	976.176	977.739	983.515	984.185	980.612
7.5	974.562	976.227	982.205	983.099	979.516
8.0	972.898	974.623	980.855	981.982	978.633
8.5	970.939	972.918	979.373	980.774	977.628
9.0	969.031	971.152	977.841	979.505	976.582
9.5	966.777	969.193	976.105	978.186	975.405
10.0	964.514	967.092	974.420	976.684	974.146
10.5	962.352	965.062	972.522	975.131	972.867
11.0	959.936	962.849	970.705	973.588	971.568
11.5	957.338	960.444	968.665	972.035	970.188
12.0	954.668	958.069	966.615	970.259	968.604
12.5	951.979	955.612	964.463	968.554	967.031
13.0	949.187	952.872	962.108	966.645	965.468
13.5	946.132	950.253	959.835	964.829	963.641
14.0	943.138	947.340	957.429	962.687	961.946
14.5	940.083	944.275	954.851	960.505	960.149
15.0	936.683	941.392	952.314	958.444	958.383
15.5	933.292	938.134	949.675	956.231	956.343
16.0	929.750	934.957	946.843	953.917	954.273
16.5	926.228	931.506	944.031	951.471	952.151
17.0	922.351	928.177	941.159	949.147	949.969
17.5	918.626	924.523	938.033	946.579	947.858
18.0	914.748	920.981	935.059	944.031	945.523
18.5	910.810	917.164	931.821	941.331	943.128
19.0	906.588	913.307	928.522	938.591	940.651
19.5	902.447	909.328	925.264	935.830	938.195
20.0	898.001	905.268	921.853	932.978	935.586
20.5	893.525	901.087	918.149	929.963	932.805
21.0	889.099	896.915	914.647	926.827	930.268
21.5	884.420	892.550	910.902	923.853	927.416
22.0	879.772	887.993	907.248	920.635	924.716
22.5	874.991	883.568	903.441	917.398	921.782
23.0	870.028	878.929	899.523	914.109	918.737
23.5	864.912	874.199	895.524	910.607	915.672
24.0	859.817	869.358	891.495	907.308	912.678
24.5	854.569	864.496	887.404	903.726	909.410
25.0	849.088	859.340	883.009	900.061	906.040
25.5	843.780	854.305	878.716	896.418	902.782
26.0	838.278	849.159	874.362	892.652	899.381
26.5	832.584	843.841	869.794	888.876	895.869

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CANDELA TABULATION - (Cont.)

27.0	826.860	838.420	865.308	884.948	892.429
27.5	821.084	833.031	860.669	881.081	888.754
28.0	815.096	827.387	855.929	876.930	885.100
28.5	809.188	821.805	851.220	872.839	881.406
29.0	803.078	816.111	846.429	868.759	877.691
29.5	796.836	810.203	841.394	864.547	873.732
30.0	790.523	804.367	836.502	860.192	869.814
30.5	784.199	798.409	831.427	855.706	865.896
31.0	777.734	792.268	826.230	851.341	861.664
31.5	771.126	786.107	820.983	846.875	857.523
32.0	764.498	779.956	815.827	842.298	853.270
32.5	757.769	773.552	810.386	837.588	848.885
33.0	750.988	767.198	805.057	832.960	844.693
33.5	744.137	760.834	799.647	828.179	840.146
34.0	737.144	754.226	794.004	823.266	835.710
34.5	730.140	747.679	788.493	818.354	831.011
35.0	723.035	741.011	782.890	813.380	826.504
35.5	715.778	734.231	776.972	808.265	821.734
36.0	708.490	727.379	771.177	803.139	817.075
36.5	701.213	720.599	765.452	798.054	812.365
37.0	693.702	713.646	759.575	792.796	807.260
37.5	686.333	706.673	753.658	787.518	802.286
38.0	678.832	699.670	747.588	782.159	797.303
38.5	671.128	692.524	741.498	776.719	792.126
39.0	663.749	685.501	735.449	771.288	787.031
39.5	655.923	678.314	729.247	765.696	781.753
40.0	648.088	670.895	722.903	759.981	776.485
40.5	640.333	663.759	716.620	754.449	771.146
41.0	632.589	656.502	710.327	748.735	765.746
41.5	624.661	649.021	703.852	742.878	760.174
42.0	616.805	641.632	697.457	737.134	754.764
42.5	608.990	634.294	690.982	731.307	749.161
43.0	600.910	626.691	684.394	725.461	743.518
43.5	593.024	619.312	677.868	719.473	737.885
44.0	585.005	611.832	671.219	713.484	732.069
44.5	576.936	604.219	664.287	707.303	726.273
45.0	568.989	596.678	657.679	701.253	720.406
45.5	561.051	589.025	651.031	695.184	714.530
46.0	552.860	581.473	644.149	688.870	708.551
46.5	544.832	573.851	637.288	682.730	702.553
47.0	536.762	566.268	630.437	676.477	696.493
47.5	528.632	558.514	623.433	670.123	690.383
48.0	520.604	550.912	616.521	663.749	684.343
48.5	512.595	543.279	609.589	657.446	678.020
49.0	504.516	535.514	602.402	650.960	671.849
49.5	496.538	527.922	595.440	644.637	665.667
50.0	488.499	520.299	588.385	638.141	659.324
50.5	480.430	512.565	581.219	631.513	652.889
51.0	472.564	504.942	574.094	624.976	646.555
51.5	464.535	497.360	566.908	618.521	640.252
52.0	456.588	489.555	559.732	611.812	633.746
52.5	448.650	481.973	552.515	605.265	627.321
53.0	440.723	474.269	545.349	598.596	620.703
53.5	432.725	466.524	538.001	591.887	614.187
54.0	424.920	459.054	530.815	585.269	607.691
54.5	417.003	451.431	523.588	578.591	601.154

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CANDELA TABULATION - (Cont.)

55.0	409.228	443.616	516.259	571.841	594.496
55.5	401.524	436.156	509.083	565.122	587.868
56.0	393.891	428.624	501.806	558.473	581.351
56.5	385.913	420.981	494.437	551.652	574.490
57.0	378.341	413.369	487.149	544.943	568.014
57.5	370.739	405.909	479.963	538.305	561.234
58.0	362.964	398.306	472.645	531.484	554.535
58.5	355.494	390.866	465.347	524.806	548.009
59.0	347.962	383.325	458.080	518.046	541.086
59.5	340.390	375.814	450.731	511.245	534.154
60.0	333.001	368.496	443.545	504.556	527.313
60.5	325.612	361.066	436.379	497.776	520.401
61.0	318.192	353.545	429.061	490.915	513.235
61.5	310.874	346.277	421.875	484.053	506.323
62.0	303.576	338.959	414.729	477.131	499.187
62.5	296.157	331.580	407.573	470.118	492.173
63.0	289.092	324.323	400.580	463.358	485.109
63.5	281.947	317.096	393.465	456.334	478.004
64.0	274.700	309.890	386.360	449.300	470.909
64.5	267.727	302.754	379.458	442.438	463.967
65.0	260.896	295.659	372.606	435.435	456.862
65.5	253.730	288.473	365.613	428.371	449.726
66.0	246.848	281.480	358.691	421.489	442.499
66.5	240.139	274.486	351.850	414.597	435.344
67.0	233.247	267.452	344.877	407.665	427.995
67.5	226.497	260.561	338.005	400.742	420.768
68.0	219.859	253.862	331.215	393.790	413.156
68.5	213.150	246.949	324.364	386.776	405.574
69.0	206.552	240.240	317.512	379.671	398.377
69.5	200.148	233.612	310.671	372.485	390.907
70.0	193.642	226.903	303.769	365.278	382.929
70.5	187.278	220.285	297.101	358.325	375.306
71.0	180.914	213.911	290.432	351.119	367.734
71.5	174.661	207.364	283.703	343.638	360.071
72.0	168.439	201.031	277.207	336.432	351.941
72.5	162.441	194.768	270.670	329.307	343.780
73.0	156.300	188.475	264.164	321.836	335.742
73.5	150.220	182.406	257.627	314.285	327.926
74.0	144.363	176.153	251.081	306.510	319.431
74.5	138.517	170.226	244.585	299.242	310.661
75.0	132.772	164.379	238.180	291.670	302.257
75.5	127.068	158.543	231.704	283.753	294.147
76.0	121.384	152.818	225.259	275.765	285.124
76.5	115.933	147.185	218.946	268.254	275.938
77.0	110.513	141.613	212.531	260.276	267.331
77.5	105.002	136.030	205.964	251.720	258.937
78.0	99.795	130.590	199.671	243.884	249.528
78.5	94.639	125.119	193.266	235.987	240.037
79.0	89.493	119.740	186.669	227.198	231.511
79.5	84.316	114.522	180.437	218.763	222.772
80.0	79.363	109.407	174.022	211.090	213.048
80.5	74.369	104.332	167.353	202.381	204.289
81.0	69.649	99.460	161.070	193.743	196.443
81.5	64.940	94.557	154.584	186.232	187.633
82.0	60.352	89.655	147.906	178.092	178.884
82.5	55.805	84.905	141.521	169.596	171.494

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CANDELA TABULATION - (Cont.)

83.0	51.389	80.195	134.944	162.349	163.516
83.5	46.944	75.496	128.651	154.605	155.254
84.0	42.721	70.928	122.358	146.627	148.322
84.5	38.408	66.482	116.126	139.694	140.872
85.0	34.317	61.915	109.996	132.102	133.188
85.5	30.166	57.571	103.713	124.916	126.713
86.0	26.319	53.267	97.816	118.491	119.740
86.5	22.340	48.994	91.411	111.224	112.990
87.0	18.483	44.914	85.696	104.900	106.890
87.5	14.799	40.904	79.546	98.556	100.444
88.0	10.932	36.885	73.943	92.172	94.425
88.5	7.430	33.008	68.208	86.376	88.589
89.0	4.172	29.232	62.778	80.307	82.722
89.5	1.218	25.355	57.388	74.745	77.282
90.0	0.071	21.731	52.110	69.213	71.832
90.5	0.122	18.158	47.035	63.975	66.757
91.0	0.051	14.657	42.062	58.616	61.529
91.5	0.101	11.256	37.271	53.643	56.627
92.0	0.041	8.100	32.713	48.730	51.836
92.5	0.071	5.045	28.247	43.858	47.177
93.0	0.041	2.284	23.903	39.270	42.549
93.5	0.152	0.497	19.772	34.774	38.113
94.0	0.122	0.304	15.773	30.491	33.942
94.5	0.112	0.264	11.947	26.228	29.760
95.0	0.061	0.203	8.353	22.137	25.710
95.5	0.213	0.142	4.872	18.138	21.772
96.0	0.071	0.183	1.949	14.342	18.057
96.5	0.183	0.213	0.487	10.617	14.393
97.0	0.081	0.152	0.376	7.217	10.840
97.5	0.122	0.193	0.335	4.009	7.643
98.0	0.203	0.223	0.325	1.543	4.578
98.5	0.213	0.162	0.213	0.558	2.010
99.0	0.213	0.173	0.264	0.355	0.751
99.5	0.193	0.244	0.254	0.386	0.274
100.0	0.264	0.223	0.274	0.386	0.376
100.5	0.183	0.294	0.294	0.406	0.355
101.0	0.274	0.284	0.193	0.396	0.244
101.5	0.304	0.335	0.335	0.426	0.345
102.0	0.264	0.345	0.284	0.365	0.365
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-LED24DMVWH35.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
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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 : LPLIA48-LED24DMVWH35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	361.66	N.A.	12.30
0-30	767.14	N.A.	26.10
0-40	1253.65	N.A.	42.70
0-60	2209.97	N.A.	75.30
0-80	2812.81	N.A.	95.80
0-90	2920.43	N.A.	99.40
10-90	2826.8	N.A.	96.30
20-40	891.99	N.A.	30.40
20-50	1393.46	N.A.	47.50
40-70	1318.56	N.A.	44.90
60-80	602.84	N.A.	20.50
70-80	240.60	N.A.	8.20
80-90	107.61	N.A.	3.70
90-110	16.17	N.A.	0.60
90-120	16.17	N.A.	0.60
90-130	16.17	N.A.	0.60
90-150	16.17	N.A.	0.60
90-180	16.17	N.A.	0.60
110-180	0.00	N.A.	0.00
0-180	2936.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	93.62
10-20	268.04
20-30	405.47
30-40	486.51
40-50	501.47
50-60	454.85
60-70	362.24
70-80	240.60
80-90	107.61
90-100	16.10
100-110	0.08
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

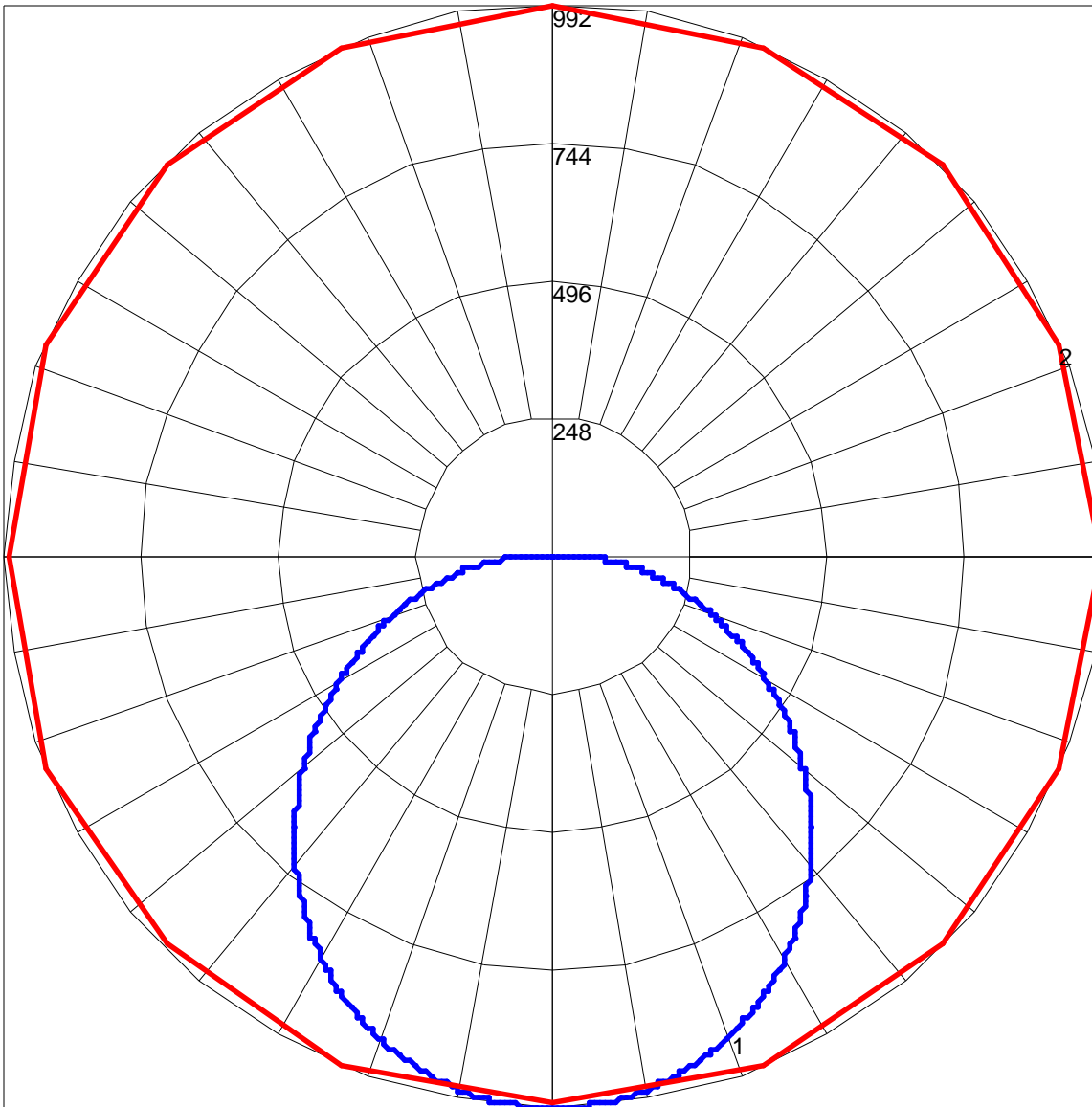
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC 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	60	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	45	56	49	44	54	48	43	41
6	69	55	46	40	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	31	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 = 992.416 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.)