



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPLIA48-LED24DMVWH40.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-LED24DMVWH40
 [LUMINAIRE] Catalog Number: LPLIA48-LED24DMVWH40
 [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 M10CC840D32N2S 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	3025
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
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	3597	4074	4438
55	3183	3900	4457
65	2744	3754	4550
75	2262	3772	4696
85	1673	4381	5052

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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	1019.429	1019.429	1019.429	1019.429	1019.429
0.5	1017.087	1017.484	1022.335	1021.311	1015.874
1.0	1016.898	1017.358	1022.283	1021.217	1015.884
1.5	1016.522	1017.181	1022.011	1020.997	1015.915
2.0	1016.208	1016.762	1021.698	1020.767	1015.811
2.5	1015.665	1016.292	1021.196	1020.370	1015.476
3.0	1015.100	1015.665	1020.652	1020.004	1015.058
3.5	1014.127	1015.069	1020.087	1019.481	1014.619
4.0	1013.364	1014.232	1019.408	1018.875	1014.243
4.5	1012.340	1013.333	1018.446	1018.268	1013.877
5.0	1011.273	1012.381	1017.620	1017.568	1013.249
5.5	1010.029	1011.179	1016.626	1016.752	1012.402
6.0	1008.701	1009.893	1015.602	1015.915	1011.681
6.5	1007.174	1008.659	1014.473	1014.859	1010.949
7.0	1005.606	1007.216	1013.166	1013.856	1010.175
7.5	1003.943	1005.658	1011.817	1012.737	1009.046
8.0	1002.229	1004.006	1010.426	1011.587	1008.136
8.5	1000.211	1002.249	1008.899	1010.342	1007.101
9.0	998.245	1000.430	1007.321	1009.035	1006.024
9.5	995.924	998.412	1005.533	1007.676	1004.811
10.0	993.592	996.248	1003.797	1006.129	1003.515
10.5	991.365	994.157	1001.842	1004.529	1002.197
11.0	988.876	991.877	999.970	1002.940	1000.859
11.5	986.200	989.399	997.868	1001.340	999.437
12.0	983.450	986.952	995.756	999.510	997.806
12.5	980.679	984.422	993.540	997.753	996.185
13.0	977.803	981.599	991.114	995.788	994.575
13.5	974.656	978.901	988.772	993.916	992.693
14.0	971.572	975.900	986.294	991.710	990.947
14.5	968.424	972.743	983.638	989.462	989.096
15.0	964.922	969.773	981.024	987.339	987.276
15.5	961.429	966.417	978.305	985.060	985.175
16.0	957.780	963.144	975.388	982.676	983.042
16.5	954.152	959.589	972.492	980.156	980.857
17.0	950.158	956.159	969.533	977.762	978.608
17.5	946.320	952.395	966.312	975.116	976.434
18.0	942.326	948.746	963.249	972.492	974.029
18.5	938.269	944.815	959.913	969.710	971.561
19.0	933.920	940.841	956.515	966.887	969.010
19.5	929.653	936.743	953.159	964.043	966.480
20.0	925.074	932.560	949.645	961.105	963.792
20.5	920.463	928.252	945.829	958.000	960.927
21.0	915.904	923.955	942.222	954.769	958.313
21.5	911.084	919.459	938.363	951.705	955.375
22.0	906.295	914.764	934.599	948.391	952.594
22.5	901.370	910.205	930.678	945.055	949.572
23.0	896.257	905.427	926.642	941.667	946.435
23.5	890.987	900.554	922.522	938.060	943.278
24.0	885.738	895.567	918.371	934.662	940.193
24.5	880.333	890.558	914.158	930.971	936.826
25.0	874.686	885.247	909.630	927.196	933.355
25.5	869.218	880.061	905.207	923.443	929.999
26.0	863.551	874.759	900.722	919.563	926.496
26.5	857.685	869.281	896.017	915.674	922.878

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CANDELA TABULATION - (Cont.)

27.0	851.788	863.697	891.395	911.627	919.333
27.5	845.838	858.145	886.617	907.644	915.548
28.0	839.669	852.331	881.734	903.367	911.784
28.5	833.584	846.581	876.882	899.153	907.978
29.0	827.289	840.715	871.947	894.950	904.151
29.5	820.859	834.629	866.761	890.611	900.073
30.0	814.355	828.617	861.721	886.125	896.037
30.5	807.841	822.479	856.493	881.504	892.001
31.0	801.181	816.154	851.139	877.008	887.641
31.5	794.374	809.807	845.734	872.407	883.375
32.0	787.546	803.470	840.422	867.691	878.994
32.5	780.614	796.873	834.818	862.840	874.477
33.0	773.629	790.327	829.328	858.072	870.159
33.5	766.571	783.771	823.755	853.147	865.475
34.0	759.367	776.964	817.942	848.086	860.905
34.5	752.152	770.220	812.264	843.026	856.064
35.0	744.833	763.351	806.492	837.902	851.422
35.5	737.357	756.366	800.396	832.632	846.507
36.0	729.850	749.308	794.426	827.352	841.708
36.5	722.353	742.324	788.529	822.114	836.856
37.0	714.615	735.161	782.475	816.697	831.597
37.5	707.024	727.978	776.379	811.260	826.474
38.0	699.297	720.763	770.126	805.739	821.340
38.5	691.361	713.402	763.853	800.135	816.007
39.0	683.760	706.167	757.621	794.541	810.758
39.5	675.698	698.764	751.232	788.780	805.321
40.0	667.626	691.121	744.697	782.893	799.894
40.5	659.638	683.770	738.225	777.195	794.395
41.0	651.660	676.294	731.742	771.308	788.832
41.5	643.494	668.588	725.071	765.275	783.092
42.0	635.401	660.976	718.484	759.357	777.519
42.5	627.350	653.416	711.813	753.355	771.747
43.0	619.027	645.585	705.027	747.332	765.933
43.5	610.902	637.983	698.304	741.163	760.130
44.0	602.642	630.277	691.455	734.994	754.139
44.5	594.330	622.435	684.314	728.626	748.169
45.0	586.142	614.666	677.507	722.395	742.125
45.5	577.966	606.783	670.658	716.142	736.071
46.0	569.528	599.003	663.569	709.638	729.912
46.5	561.257	591.151	656.501	703.312	723.733
47.0	552.945	583.340	649.443	696.872	717.491
47.5	544.569	575.352	642.228	690.326	711.196
48.0	536.299	567.520	635.108	683.760	704.975
48.5	528.049	559.657	627.966	677.267	698.461
49.0	519.726	551.659	620.564	670.585	692.104
49.5	511.508	543.838	613.391	664.071	685.736
50.0	503.226	535.985	606.124	657.379	679.201
50.5	494.914	528.018	598.742	650.551	672.572
51.0	486.810	520.165	591.402	643.818	666.047
51.5	478.540	512.354	583.999	637.168	659.554
52.0	470.353	504.314	576.607	630.256	652.852
52.5	462.176	496.503	569.172	623.512	646.233
53.0	454.010	488.567	561.790	616.643	639.416
53.5	445.771	480.589	554.220	609.731	632.703
54.0	437.730	472.894	546.817	602.914	626.011
54.5	429.574	465.041	539.373	596.034	619.278

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CANDELA TABULATION - (Cont.)

55.0	421.565	456.990	531.824	589.081	612.418
55.5	413.629	449.305	524.431	582.159	605.591
56.0	405.766	441.546	516.934	575.310	598.878
56.5	397.548	433.673	509.343	568.284	591.810
57.0	389.747	425.831	501.836	561.372	585.139
57.5	381.916	418.146	494.433	554.534	578.154
58.0	373.907	410.314	486.894	547.508	571.253
58.5	366.211	402.650	479.376	540.628	564.530
59.0	358.453	394.881	471.890	533.664	557.399
59.5	350.652	387.144	464.320	526.658	550.257
60.0	343.040	379.605	456.917	519.768	543.210
60.5	335.428	371.951	449.535	512.783	536.090
61.0	327.785	364.203	441.996	505.715	528.708
61.5	320.246	356.717	434.593	498.647	521.587
62.0	312.729	349.178	427.232	491.516	514.237
62.5	305.085	341.577	419.861	484.291	507.011
63.0	297.808	334.101	412.657	477.327	499.734
63.5	290.447	326.656	405.327	470.091	492.415
64.0	282.981	319.232	398.008	462.845	485.106
64.5	275.798	311.882	390.898	455.777	477.954
65.0	268.761	304.573	383.840	448.562	470.635
65.5	261.379	297.170	376.636	441.285	463.284
66.0	254.290	289.966	369.505	434.196	455.840
66.5	247.379	282.762	362.457	427.096	448.468
67.0	240.279	275.516	355.274	419.955	440.898
67.5	233.326	268.416	348.195	412.824	433.454
68.0	226.487	261.515	341.200	405.661	425.612
68.5	219.576	254.394	334.142	398.436	417.801
69.0	212.780	247.483	327.085	391.117	410.388
69.5	206.182	240.655	320.037	383.714	402.692
70.0	199.480	233.744	312.927	376.291	394.474
70.5	192.924	226.927	306.058	369.128	386.621
71.0	186.368	220.360	299.188	361.704	378.821
71.5	179.927	213.616	292.256	353.998	370.927
72.0	173.517	207.092	285.564	346.575	362.551
72.5	167.338	200.640	278.830	339.234	354.145
73.0	161.012	194.157	272.128	331.539	345.864
73.5	154.749	187.905	265.394	323.760	337.812
74.0	148.716	181.464	258.650	315.750	329.061
74.5	142.693	175.358	251.958	308.264	320.027
75.0	136.775	169.335	245.361	300.464	311.369
75.5	130.899	163.323	238.690	292.308	303.015
76.0	125.043	157.426	232.050	284.079	293.720
76.5	119.428	151.622	225.546	276.342	284.257
77.0	113.845	145.882	218.938	268.123	275.390
77.5	108.167	140.131	212.173	259.309	266.743
78.0	102.803	134.527	205.690	251.237	257.050
78.5	97.492	128.891	199.093	243.102	247.274
79.0	92.191	123.349	192.296	234.047	238.491
79.5	86.858	117.975	185.876	225.358	229.488
80.0	81.755	112.705	179.268	217.453	219.471
80.5	76.611	107.477	172.399	208.482	210.448
81.0	71.749	102.458	165.926	199.584	202.365
81.5	66.897	97.408	159.245	191.847	193.290
82.0	62.171	92.358	152.365	183.461	184.277
82.5	57.487	87.464	145.788	174.709	176.665

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CANDELA TABULATION - (Cont.)

83.0	52.939	82.613	139.013	167.244	168.446
83.5	48.359	77.772	132.530	159.266	159.935
84.0	44.009	73.067	126.047	151.047	152.794
84.5	39.566	68.487	119.627	143.906	145.119
85.0	35.352	63.782	113.312	136.085	137.204
85.5	31.075	59.306	106.839	128.682	130.533
86.0	27.112	54.873	100.764	122.063	123.349
86.5	23.014	50.471	94.167	114.577	116.396
87.0	19.040	46.268	88.280	108.063	110.112
87.5	15.245	42.138	81.944	101.528	103.473
88.0	11.261	37.997	76.172	94.951	97.272
88.5	7.654	34.003	70.264	88.981	91.260
89.0	4.297	30.113	64.670	82.728	85.216
89.5	1.255	26.119	59.118	76.998	79.612
90.0	0.073	22.386	53.681	71.299	73.997
90.5	0.125	18.706	48.453	65.904	68.769
91.0	0.052	15.098	43.330	60.383	63.384
91.5	0.105	11.596	38.394	55.260	58.334
92.0	0.042	8.344	33.700	50.199	53.399
92.5	0.073	5.197	29.099	45.180	48.599
93.0	0.042	2.353	24.624	40.454	43.832
93.5	0.157	0.512	20.368	35.822	39.262
94.0	0.125	0.314	16.249	31.410	34.965
94.5	0.115	0.272	12.307	27.018	30.657
95.0	0.063	0.209	8.605	22.805	26.485
95.5	0.220	0.146	5.019	18.685	22.428
96.0	0.073	0.188	2.008	14.774	18.601
96.5	0.188	0.220	0.502	10.937	14.827
97.0	0.084	0.157	0.387	7.434	11.167
97.5	0.125	0.199	0.345	4.130	7.873
98.0	0.209	0.230	0.335	1.589	4.716
98.5	0.220	0.167	0.220	0.575	2.070
99.0	0.220	0.178	0.272	0.366	0.774
99.5	0.199	0.251	0.261	0.397	0.282
100.0	0.272	0.230	0.282	0.397	0.387
100.5	0.188	0.303	0.303	0.418	0.366
101.0	0.282	0.293	0.199	0.408	0.251
101.5	0.314	0.345	0.345	0.439	0.356
102.0	0.272	0.356	0.293	0.376	0.376
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-LED24DMVWH40.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-LED24DMVWH40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	372.57	N.A.	12.30
0-30	790.26	N.A.	26.10
0-40	1291.44	N.A.	42.70
0-60	2276.6	N.A.	75.30
0-80	2897.61	N.A.	95.80
0-90	3008.47	N.A.	99.40
10-90	2912.02	N.A.	96.30
20-40	918.88	N.A.	30.40
20-50	1435.47	N.A.	47.50
40-70	1358.31	N.A.	44.90
60-80	621.02	N.A.	20.50
70-80	247.86	N.A.	8.20
80-90	110.85	N.A.	3.70
90-110	16.66	N.A.	0.60
90-120	16.66	N.A.	0.60
90-130	16.66	N.A.	0.60
90-150	16.66	N.A.	0.60
90-180	16.66	N.A.	0.60
110-180	0.00	N.A.	0.00
0-180	3025.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	96.44
10-20	276.12
20-30	417.69
30-40	501.18
40-50	516.59
50-60	468.56
60-70	373.16
70-80	247.86
80-90	110.85
90-100	16.58
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

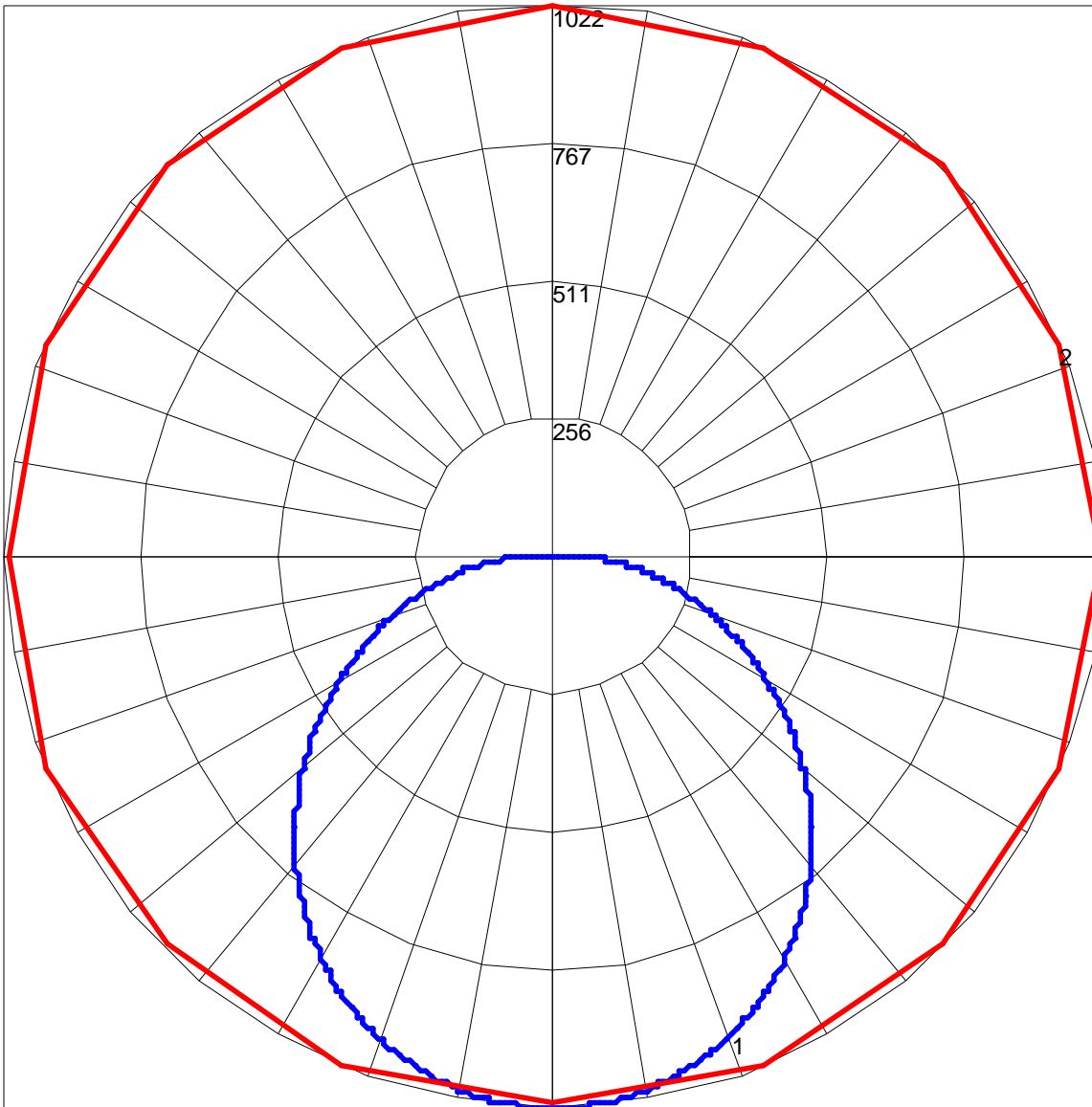
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	81
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67
3	89	78	69	63	86	76	68	62	73	66	61	70	64	60	68	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	28	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 = 1022.335 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.)