



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-80L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8960_Scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUEDATE] 07/10/17

[TESTDATE] 05/25/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPEC14-LED-80L-50

[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[OTHER]SCALED FROM ORIGINAL TEST DATA

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8425
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	63.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6261	7388	8280
55	5885	7525	8876
65	5473	7621	9480
75	4960	7612	9194
85	4318	6857	6349

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-80L-50.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	2465.939	2465.939	2465.939	2465.939	2465.939
2.5	2515.340	2486.523	2470.056	2449.472	2437.122
5.0	2515.340	2486.523	2470.056	2453.589	2445.355
7.5	2507.107	2482.406	2470.056	2457.706	2445.355
10.0	2494.756	2470.056	2465.939	2457.706	2445.355
12.5	2470.056	2449.472	2449.472	2453.589	2445.355
15.0	2445.355	2428.888	2441.239	2449.472	2453.589
17.5	2412.421	2404.188	2424.772	2449.472	2449.472
20.0	2371.254	2371.254	2404.188	2445.355	2449.472
22.5	2325.969	2330.086	2379.487	2433.005	2437.122
25.0	2280.685	2288.918	2358.903	2420.655	2433.005
27.5	2214.817	2243.634	2321.853	2400.071	2424.772
30.0	2144.832	2185.999	2284.802	2379.487	2404.188
32.5	2074.847	2120.131	2243.634	2350.670	2387.721
35.0	2000.745	2054.263	2190.116	2317.736	2350.670
37.5	1914.293	1976.045	2136.598	2276.568	2317.736
40.0	1819.608	1897.826	2074.847	2231.284	2276.568
42.5	1737.273	1811.374	2013.096	2181.883	2235.401
45.0	1646.704	1729.039	1943.111	2124.248	2177.766
47.5	1547.902	1642.587	1864.892	2066.613	2120.131
50.0	1453.216	1552.018	1782.557	1992.512	2058.380
52.5	1354.414	1457.333	1696.105	1910.177	1976.045
55.0	1255.612	1358.531	1605.536	1823.725	1893.709
57.5	1160.926	1259.728	1510.851	1737.273	1807.258
60.0	1066.241	1156.809	1412.049	1638.470	1708.455
62.5	963.322	1053.891	1309.130	1535.551	1605.536
65.0	860.403	946.855	1197.977	1424.399	1490.267
67.5	761.601	843.936	1082.708	1300.896	1358.531
70.0	662.798	736.900	967.439	1169.160	1210.327
72.5	572.230	638.098	856.286	1029.190	1058.007
75.0	477.544	539.296	732.783	876.870	885.103
77.5	386.975	444.610	609.280	703.966	703.966
80.0	296.407	349.925	481.661	539.296	531.062
82.5	222.305	255.239	354.041	374.625	358.158
85.0	139.970	168.787	222.305	214.072	205.838
87.5	69.985	86.452	94.685	78.218	74.102
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-80L-50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	926.60	N.A.	11.00
0-30	2013.03	N.A.	23.90
0-40	3379.71	N.A.	40.10
0-60	6288.62	N.A.	74.60
0-80	8202.59	N.A.	97.40
0-90	8425.37	N.A.	100.00
10-90	8189.57	N.A.	97.20
20-40	2453.11	N.A.	29.10
20-50	3939.72	N.A.	46.80
40-70	4079.7	N.A.	48.40
60-80	1913.97	N.A.	22.70
70-80	743.17	N.A.	8.80
80-90	222.79	N.A.	2.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	8425.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	235.81
10-20	690.80
20-30	1086.43
30-40	1366.68
40-50	1486.6
50-60	1422.3
60-70	1170.8
70-80	743.17
80-90	222.79
90-100	0.00
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

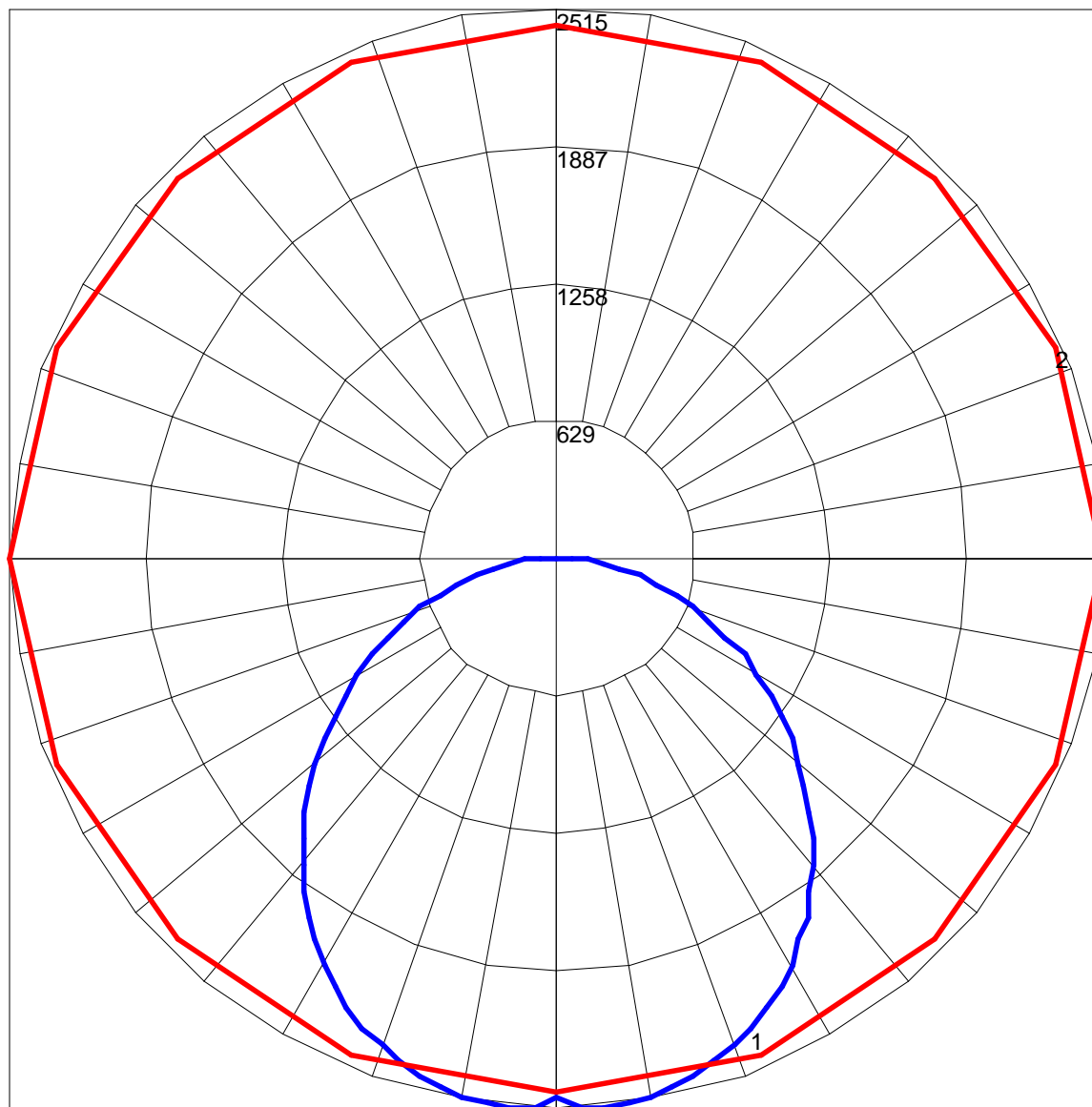
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-80L-50.IES

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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 2515.34 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)