



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-55L-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-55L-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	5830
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	42.4
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	4332	5112	5729
55	4072	5207	6142
65	3787	5273	6560
75	3432	5267	6362
85	2987	4745	4393

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-55L-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	1706.276	1706.276	1706.276	1706.276	1706.276
2.5	1740.458	1720.518	1709.124	1694.881	1686.336
5.0	1740.458	1720.518	1709.124	1697.730	1692.033
7.5	1734.761	1717.670	1709.124	1700.578	1692.033
10.0	1726.215	1709.124	1706.276	1700.578	1692.033
12.5	1709.124	1694.881	1694.881	1697.730	1692.033
15.0	1692.033	1680.639	1689.184	1694.881	1697.730
17.5	1669.244	1663.547	1677.790	1694.881	1694.881
20.0	1640.759	1640.759	1663.547	1692.033	1694.881
22.5	1609.425	1612.274	1646.456	1683.487	1686.336
25.0	1578.091	1583.788	1632.213	1674.942	1683.487
27.5	1532.515	1552.454	1606.577	1660.699	1677.790
30.0	1484.089	1512.575	1580.940	1646.456	1663.547
32.5	1435.664	1466.998	1552.454	1626.516	1652.153
35.0	1384.390	1421.421	1515.423	1603.728	1626.516
37.5	1324.571	1367.299	1478.392	1575.243	1603.728
40.0	1259.055	1313.177	1435.664	1543.909	1575.243
42.5	1202.084	1253.358	1392.936	1509.726	1546.757
45.0	1139.416	1196.387	1344.511	1469.847	1506.878
47.5	1071.051	1136.567	1290.389	1429.967	1466.998
50.0	1005.535	1073.900	1233.418	1378.693	1424.270
52.5	937.170	1008.383	1173.599	1321.723	1367.299
55.0	868.805	940.018	1110.931	1261.903	1310.328
57.5	803.288	871.653	1045.414	1202.084	1250.509
60.0	737.772	800.440	977.049	1133.719	1182.144
62.5	666.558	729.226	905.836	1062.505	1110.931
65.0	595.345	655.164	828.925	985.595	1031.172
67.5	526.980	583.951	749.166	900.139	940.018
70.0	458.615	509.889	669.407	808.985	837.471
72.5	395.947	441.524	592.496	712.135	732.075
75.0	330.431	373.159	507.040	606.739	612.436
77.5	267.763	307.642	421.584	487.100	487.100
80.0	205.095	242.126	333.279	373.159	367.462
82.5	153.821	176.609	244.974	259.217	247.823
85.0	96.850	116.790	153.821	148.124	142.427
87.5	48.425	59.819	65.516	54.122	51.274
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-55L-50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	641.15	N.A.	11.00
0-30	1392.89	N.A.	23.90
0-40	2338.55	N.A.	40.10
0-60	4351.33	N.A.	74.60
0-80	5675.68	N.A.	97.40
0-90	5829.83	N.A.	100.00
10-90	5666.67	N.A.	97.20
20-40	1697.4	N.A.	29.10
20-50	2726.04	N.A.	46.80
40-70	2822.9	N.A.	48.40
60-80	1324.35	N.A.	22.70
70-80	514.23	N.A.	8.80
80-90	154.15	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	5829.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.16
10-20	477.99
20-30	751.74
30-40	945.66
40-50	1028.64
50-60	984.14
60-70	810.12
70-80	514.23
80-90	154.15
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

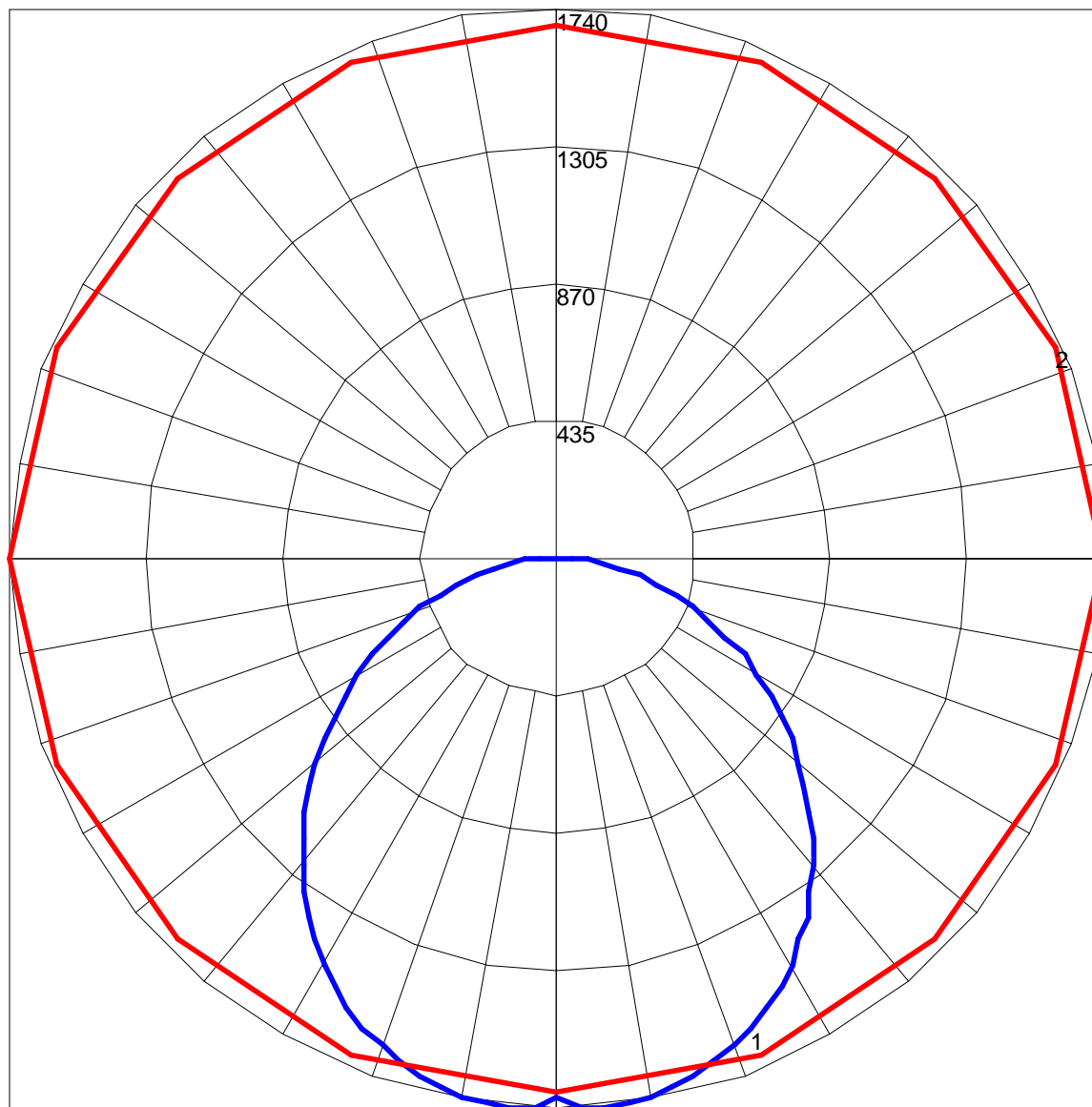
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-55L-50.IES

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	37	50	42	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 = 1740.458 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.)