



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-50L-35.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-8960\_Scaled  
[TESTLAB] LSI INDUSTRIES, INC  
[ISSUE DATE] 07/10/17  
[TEST DATE] 05/25/17  
[MANUFACTURER] LSI INDUSTRIES, INC  
[LUMEN CATEGORY] LPEC14-LED-50L-35  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4847
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	38.8
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	3602	4250	4763
55	3386	4329	5106
65	3149	4384	5454
75	2854	4379	5289
85	2484	3945	3653

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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	1418.630	1418.630	1418.630	1418.630	1418.630
2.5	1447.050	1430.471	1420.998	1409.156	1402.051
5.0	1447.050	1430.471	1420.998	1411.525	1406.788
7.5	1442.313	1428.103	1420.998	1413.893	1406.788
10.0	1435.208	1420.998	1418.630	1413.893	1406.788
12.5	1420.998	1409.156	1409.156	1411.525	1406.788
15.0	1406.788	1397.315	1404.420	1409.156	1411.525
17.5	1387.841	1383.105	1394.946	1409.156	1409.156
20.0	1364.158	1364.158	1383.105	1406.788	1409.156
22.5	1338.106	1340.475	1368.895	1399.683	1402.051
25.0	1312.055	1316.791	1357.053	1392.578	1399.683
27.5	1274.162	1290.740	1335.738	1380.736	1394.946
30.0	1233.900	1257.583	1314.423	1368.895	1383.105
32.5	1193.638	1219.690	1290.740	1352.316	1373.631
35.0	1151.008	1181.797	1259.952	1333.370	1352.316
37.5	1101.273	1136.798	1229.163	1309.686	1333.370
40.0	1046.802	1091.800	1193.638	1283.635	1309.686
42.5	999.435	1042.065	1158.113	1255.215	1286.003
45.0	947.332	994.699	1117.852	1222.058	1252.847
47.5	890.492	944.964	1072.853	1188.902	1219.690
50.0	836.020	892.860	1025.487	1146.272	1184.165
52.5	779.181	838.389	975.752	1098.905	1136.798
55.0	722.341	781.549	923.649	1049.170	1089.432
57.5	667.869	724.709	869.177	999.435	1039.697
60.0	613.397	665.501	812.337	942.595	982.857
62.5	554.189	606.292	753.129	883.387	923.649
65.0	494.981	544.716	689.184	819.442	857.335
67.5	438.141	485.508	622.871	748.392	781.549
70.0	381.301	423.931	556.558	672.606	696.289
72.5	329.198	367.091	492.613	592.083	608.661
75.0	274.726	310.251	421.563	504.454	509.191
77.5	222.623	255.780	350.513	404.984	404.984
80.0	170.520	201.308	277.095	310.251	305.515
82.5	127.890	146.836	203.676	215.518	206.045
85.0	80.523	97.102	127.890	123.153	118.417
87.5	40.262	49.735	54.472	44.998	42.630
90.0	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	533.06	N.A.	11.00
0-30	1158.08	N.A.	23.90
0-40	1944.31	N.A.	40.10
0-60	3617.78	N.A.	74.60
0-80	4718.86	N.A.	97.40
0-90	4847.03	N.A.	100.00
10-90	4711.38	N.A.	97.20
20-40	1411.25	N.A.	29.10
20-50	2266.48	N.A.	46.80
40-70	2347.01	N.A.	48.40
60-80	1101.09	N.A.	22.70
70-80	427.54	N.A.	8.80
80-90	128.17	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	4847.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	135.66
10-20	397.41
20-30	625.01
30-40	786.24
40-50	855.23
50-60	818.24
60-70	673.55
70-80	427.54
80-90	128.17
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

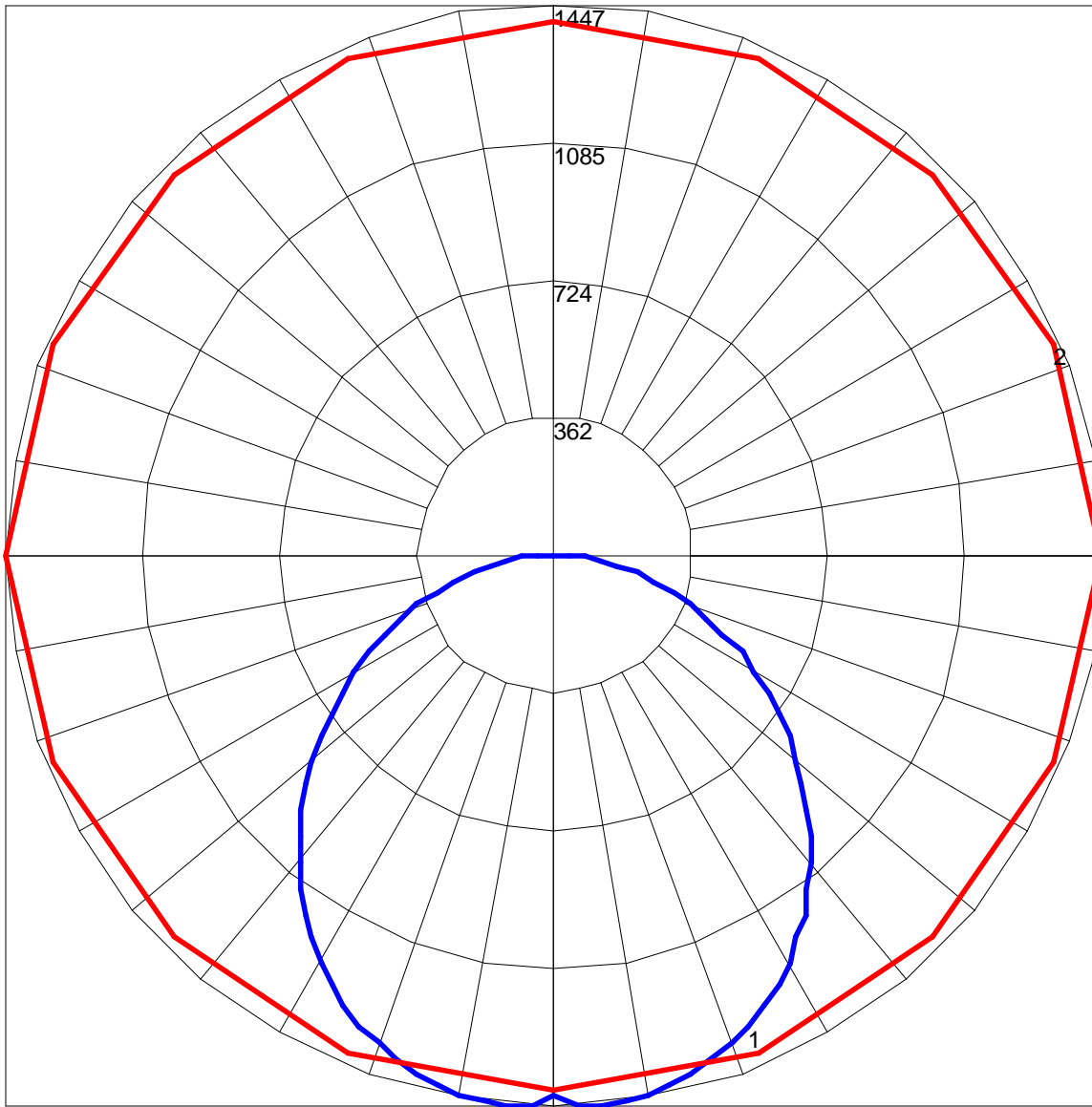
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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 = 1447.05 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.)