



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC14-LED-25L-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-25L-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	2672
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	20.2
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	1986	2343	2626
55	1867	2387	2815
65	1736	2417	3007
75	1573	2414	2916
85	1370	2175	2014

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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	782.180	782.180	782.180	782.180	782.180
2.5	797.850	788.709	783.486	776.957	773.040
5.0	797.850	788.709	783.486	778.263	775.651
7.5	795.238	787.403	783.486	779.569	775.651
10.0	791.321	783.486	782.180	779.569	775.651
12.5	783.486	776.957	776.957	778.263	775.651
15.0	775.651	770.428	774.345	776.957	778.263
17.5	765.205	762.593	769.122	776.957	776.957
20.0	752.147	752.147	762.593	775.651	776.957
22.5	737.783	739.088	754.758	771.734	773.040
25.0	723.419	726.030	748.229	767.816	771.734
27.5	702.526	711.666	736.477	761.287	769.122
30.0	680.327	693.385	724.725	754.758	762.593
32.5	658.128	672.492	711.666	745.617	757.370
35.0	634.624	651.599	694.691	735.171	745.617
37.5	607.202	626.789	677.715	722.113	735.171
40.0	577.168	601.978	658.128	707.749	722.113
42.5	551.052	574.556	638.541	692.079	709.055
45.0	522.324	548.440	616.342	673.798	690.773
47.5	490.985	521.018	591.532	655.517	672.492
50.0	460.951	492.290	565.416	632.012	652.905
52.5	429.611	462.257	537.994	605.896	626.789
55.0	398.272	430.917	509.266	578.474	600.673
57.5	368.238	399.578	479.232	551.052	573.251
60.0	338.205	366.933	447.893	519.712	541.911
62.5	305.560	334.287	415.248	487.067	509.266
65.0	272.914	300.336	379.991	451.810	472.703
67.5	241.575	267.691	343.428	412.636	430.917
70.0	210.235	233.740	306.865	370.850	383.908
72.5	181.508	202.401	271.608	326.452	335.593
75.0	151.474	171.061	232.434	278.138	280.749
77.5	122.746	141.027	193.260	223.294	223.294
80.0	94.018	110.994	152.780	171.061	168.449
82.5	70.514	80.960	112.300	118.829	113.605
85.0	44.398	53.538	70.514	67.902	65.290
87.5	22.199	27.422	30.034	24.810	23.505
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	293.91	N.A.	11.00
0-30	638.52	N.A.	23.90
0-40	1072.02	N.A.	40.10
0-60	1994.71	N.A.	74.60
0-80	2601.81	N.A.	97.40
0-90	2672.47	N.A.	100.00
10-90	2597.68	N.A.	97.20
20-40	778.11	N.A.	29.10
20-50	1249.65	N.A.	46.80
40-70	1294.06	N.A.	48.40
60-80	607.10	N.A.	22.70
70-80	235.73	N.A.	8.80
80-90	70.67	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	2672.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	74.80
10-20	219.12
20-30	344.61
30-40	433.50
40-50	471.54
50-60	451.15
60-70	371.37
70-80	235.73
80-90	70.67
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

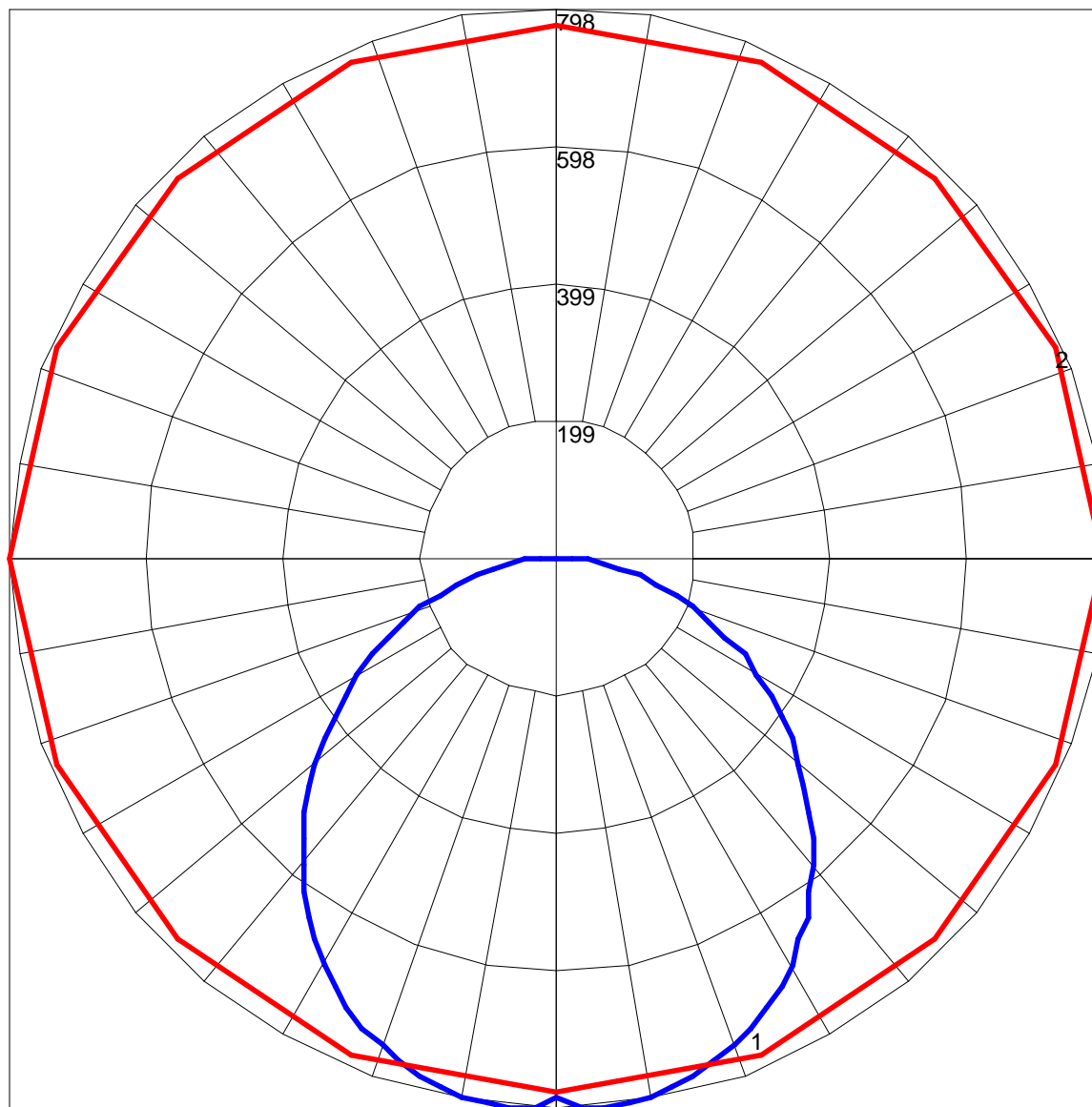
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 797.85 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.)