



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC14-LED-60L-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-60L-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	6390
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	46.9
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	4748	5603	6279
55	4463	5707	6732
65	4151	5780	7190
75	3762	5773	6973
85	3274	5201	4815

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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	1870.138	1870.138	1870.138	1870.138	1870.138
2.5	1907.603	1885.748	1873.260	1857.650	1848.283
5.0	1907.603	1885.748	1873.260	1860.772	1854.527
7.5	1901.359	1882.626	1873.260	1863.894	1854.527
10.0	1891.993	1873.260	1870.138	1863.894	1854.527
12.5	1873.260	1857.650	1857.650	1860.772	1854.527
15.0	1854.527	1842.039	1851.405	1857.650	1860.772
17.5	1829.551	1823.306	1838.917	1857.650	1857.650
20.0	1798.330	1798.330	1823.306	1854.527	1857.650
22.5	1763.987	1767.109	1804.574	1845.161	1848.283
25.0	1729.643	1735.888	1788.963	1835.795	1845.161
27.5	1679.690	1701.545	1760.864	1820.184	1838.917
30.0	1626.614	1657.835	1732.766	1804.574	1823.306
32.5	1573.538	1607.882	1701.545	1782.719	1810.818
35.0	1517.341	1557.928	1660.957	1757.742	1782.719
37.5	1451.777	1498.608	1620.370	1726.521	1757.742
40.0	1379.968	1439.288	1573.538	1692.178	1726.521
42.5	1317.526	1373.724	1526.707	1654.713	1695.300
45.0	1248.840	1311.282	1473.631	1611.004	1651.591
47.5	1173.910	1245.718	1414.311	1567.294	1607.882
50.0	1102.101	1177.032	1351.869	1511.096	1561.050
52.5	1027.171	1105.223	1286.305	1448.654	1498.608
55.0	952.241	1030.293	1217.619	1383.090	1436.166
57.5	880.432	955.363	1145.811	1317.526	1370.602
60.0	808.624	877.310	1070.880	1242.596	1295.672
62.5	730.571	799.258	992.828	1164.543	1217.619
65.0	652.519	718.083	908.531	1080.247	1130.200
67.5	577.589	640.031	821.112	986.584	1030.293
70.0	502.658	558.856	733.694	886.676	917.897
72.5	433.972	483.926	649.397	780.525	802.380
75.0	362.164	408.995	555.734	665.007	671.252
77.5	293.477	337.187	462.071	533.879	533.879
80.0	224.791	265.379	365.286	408.995	402.751
82.5	168.593	193.570	268.501	284.111	271.623
85.0	106.151	128.006	168.593	162.349	156.105
87.5	53.076	65.564	71.808	59.320	56.198
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	702.72	N.A.	11.00
0-30	1526.66	N.A.	23.90
0-40	2563.13	N.A.	40.10
0-60	4769.21	N.A.	74.60
0-80	6220.74	N.A.	97.40
0-90	6389.7	N.A.	100.00
10-90	6210.87	N.A.	97.20
20-40	1860.41	N.A.	29.10
20-50	2987.83	N.A.	46.80
40-70	3094.00	N.A.	48.40
60-80	1451.53	N.A.	22.70
70-80	563.61	N.A.	8.80
80-90	168.96	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	6389.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	178.83
10-20	523.89
20-30	823.93
30-40	1036.48
40-50	1127.42
50-60	1078.66
60-70	887.92
70-80	563.61
80-90	168.96
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

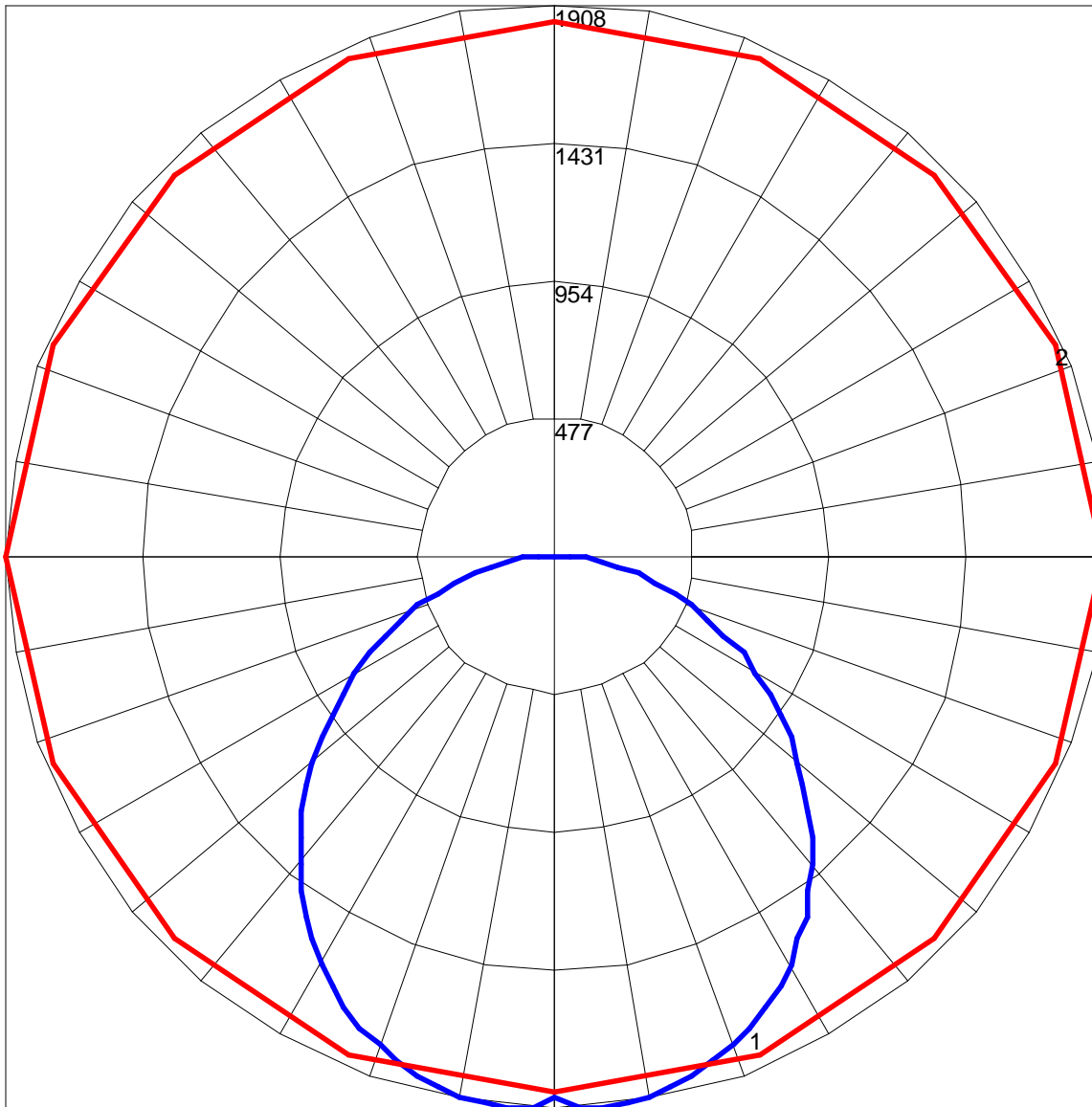
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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 = 1907.603 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.)