



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-60L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 08/18/17
[TESTDATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-60L-30
[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	5853
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
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	4349	5132	5752
55	4088	5228	6166
65	3802	5294	6586
75	3446	5288	6387
85	2999	4764	4411

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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	1713.002	1713.002	1713.002	1713.002	1713.002
2.5	1747.320	1727.301	1715.862	1701.563	1692.984
5.0	1747.320	1727.301	1715.862	1704.423	1698.703
7.5	1741.600	1724.441	1715.862	1707.283	1698.703
10.0	1733.021	1715.862	1713.002	1707.283	1698.703
12.5	1715.862	1701.563	1701.563	1704.423	1698.703
15.0	1698.703	1687.264	1695.844	1701.563	1704.423
17.5	1675.825	1670.106	1684.405	1701.563	1701.563
20.0	1647.228	1647.228	1670.106	1698.703	1701.563
22.5	1615.770	1618.630	1652.947	1690.124	1692.984
25.0	1584.313	1590.032	1638.648	1681.545	1690.124
27.5	1538.556	1558.575	1612.910	1667.246	1684.405
30.0	1489.940	1518.538	1587.172	1652.947	1670.106
32.5	1441.324	1472.782	1558.575	1632.929	1658.667
35.0	1389.848	1427.025	1521.398	1610.051	1632.929
37.5	1329.793	1372.690	1484.221	1581.453	1610.051
40.0	1264.018	1318.354	1441.324	1549.995	1581.453
42.5	1206.823	1258.299	1398.428	1515.678	1552.855
45.0	1143.908	1201.103	1349.811	1475.641	1512.818
47.5	1075.274	1141.048	1295.476	1435.605	1472.782
50.0	1009.499	1078.133	1238.280	1384.129	1429.885
52.5	940.864	1012.359	1178.225	1326.933	1372.690
55.0	872.230	943.724	1115.310	1266.878	1315.494
57.5	806.455	875.090	1049.536	1206.823	1255.439
60.0	740.680	803.595	980.901	1138.188	1186.805
62.5	669.186	732.101	909.407	1066.694	1115.310
65.0	597.692	657.747	832.193	989.480	1035.237
67.5	529.057	586.253	752.120	903.687	943.724
70.0	460.423	511.899	672.046	812.175	840.772
72.5	397.508	443.264	594.832	714.943	734.961
75.0	331.733	374.630	509.039	609.131	614.851
77.5	268.818	308.855	423.246	489.021	489.021
80.0	205.903	243.080	334.593	374.630	368.910
82.5	154.428	177.306	245.940	260.239	248.800
85.0	97.232	117.251	154.428	148.708	142.989
87.5	48.616	60.055	65.775	54.336	51.476
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	643.68	N.A.	11.00
0-30	1398.38	N.A.	23.90
0-40	2347.77	N.A.	40.10
0-60	4368.49	N.A.	74.60
0-80	5698.05	N.A.	97.40
0-90	5852.81	N.A.	100.00
10-90	5689.01	N.A.	97.20
20-40	1704.09	N.A.	29.10
20-50	2736.78	N.A.	46.80
40-70	2834.03	N.A.	48.40
60-80	1329.57	N.A.	22.70
70-80	516.25	N.A.	8.80
80-90	154.76	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	5852.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.81
10-20	479.87
20-30	754.70
30-40	949.39
40-50	1032.69
50-60	988.02
60-70	813.31
70-80	516.25
80-90	154.76
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

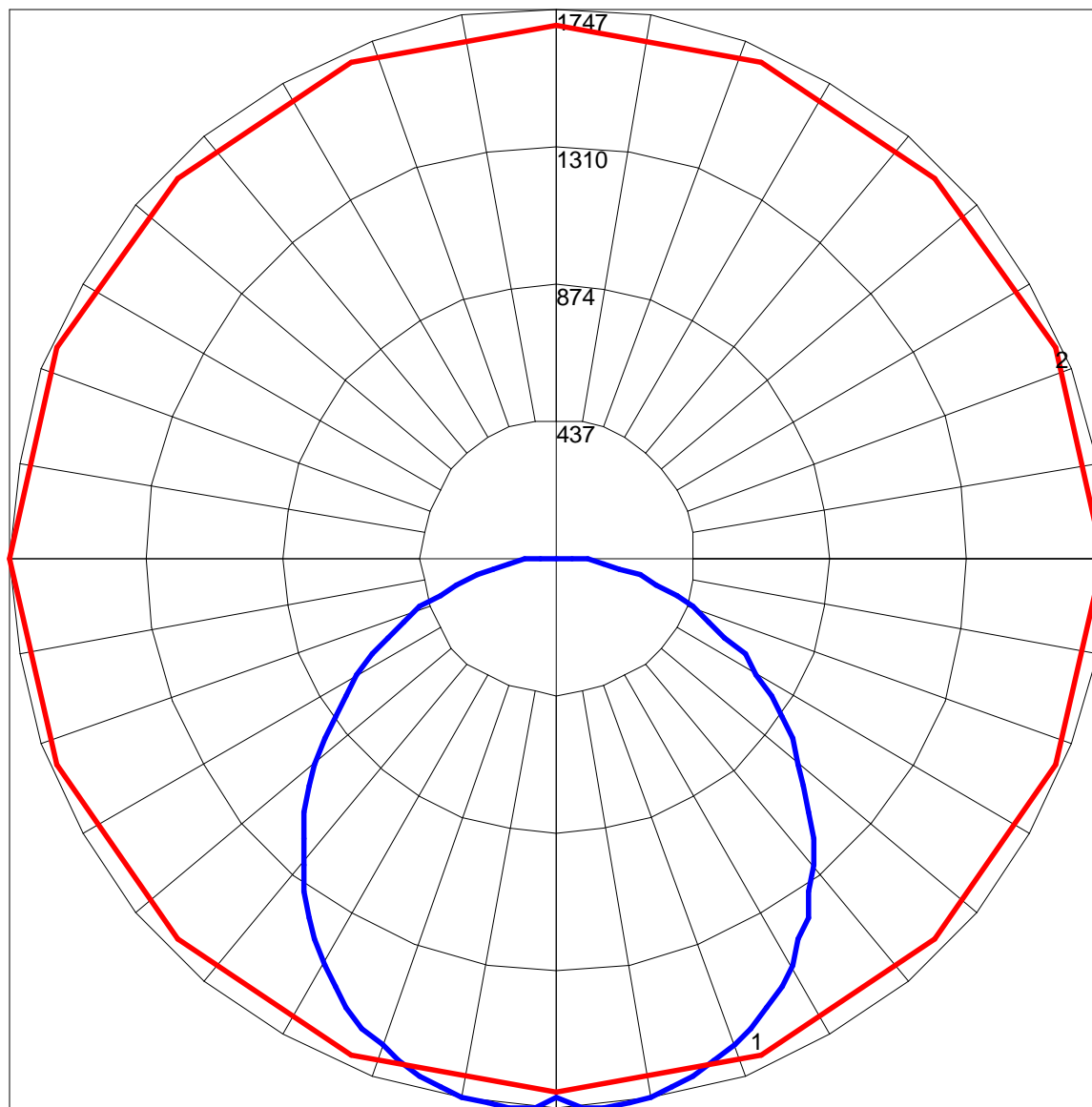
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1747.32 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.)