



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-60L-35.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-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_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	4310	5086	5700
55	4051	5180	6110
65	3768	5246	6526
75	3415	5240	6329
85	2972	4720	4371

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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	1697.494	1697.494	1697.494	1697.494	1697.494
2.5	1731.501	1711.663	1700.328	1686.159	1677.657
5.0	1731.501	1711.663	1700.328	1688.992	1683.325
7.5	1725.833	1708.830	1700.328	1691.826	1683.325
10.0	1717.331	1700.328	1697.494	1691.826	1683.325
12.5	1700.328	1686.159	1686.159	1688.992	1683.325
15.0	1683.325	1671.989	1680.491	1686.159	1688.992
17.5	1660.654	1654.986	1669.155	1686.159	1686.159
20.0	1632.315	1632.315	1654.986	1683.325	1686.159
22.5	1601.142	1603.976	1637.983	1674.823	1677.657
25.0	1569.969	1575.637	1623.813	1666.321	1674.823
27.5	1524.627	1544.465	1598.308	1652.152	1669.155
30.0	1476.451	1504.790	1572.803	1637.983	1654.986
32.5	1428.275	1459.448	1544.465	1618.145	1643.650
35.0	1377.266	1414.106	1507.624	1595.474	1618.145
37.5	1317.754	1360.262	1470.784	1567.136	1595.474
40.0	1252.575	1306.419	1428.275	1535.963	1567.136
42.5	1195.897	1246.907	1385.767	1501.956	1538.797
45.0	1133.552	1190.230	1337.591	1462.282	1499.122
47.5	1065.539	1130.718	1283.748	1422.608	1459.448
50.0	1000.360	1068.373	1227.070	1371.598	1416.940
52.5	932.347	1003.194	1167.559	1314.920	1360.262
55.0	864.333	935.180	1105.213	1255.409	1303.585
57.5	799.154	867.167	1040.034	1195.897	1244.073
60.0	733.975	796.320	972.021	1127.884	1176.060
62.5	663.128	725.473	901.174	1057.037	1105.213
65.0	592.281	651.792	824.659	980.522	1025.865
67.5	524.268	580.945	745.310	895.506	935.180
70.0	456.255	507.265	665.962	804.822	833.161
72.5	393.909	439.251	589.447	708.470	728.307
75.0	328.730	371.238	504.431	603.616	609.284
77.5	266.385	306.059	419.414	484.593	484.593
80.0	204.039	240.880	331.564	371.238	365.571
82.5	153.030	175.701	243.714	257.883	246.548
85.0	96.352	116.189	153.030	147.362	141.694
87.5	48.176	59.511	65.179	53.844	51.010
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	637.85	N.A.	11.00
0-30	1385.72	N.A.	23.90
0-40	2326.52	N.A.	40.10
0-60	4328.94	N.A.	74.60
0-80	5646.47	N.A.	97.40
0-90	5799.83	N.A.	100.00
10-90	5637.5	N.A.	97.20
20-40	1688.66	N.A.	29.10
20-50	2712.01	N.A.	46.80
40-70	2808.37	N.A.	48.40
60-80	1317.53	N.A.	22.70
70-80	511.58	N.A.	8.80
80-90	153.36	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	5799.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	162.32
10-20	475.53
20-30	747.87
30-40	940.79
40-50	1023.34
50-60	979.08
60-70	805.95
70-80	511.58
80-90	153.36
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

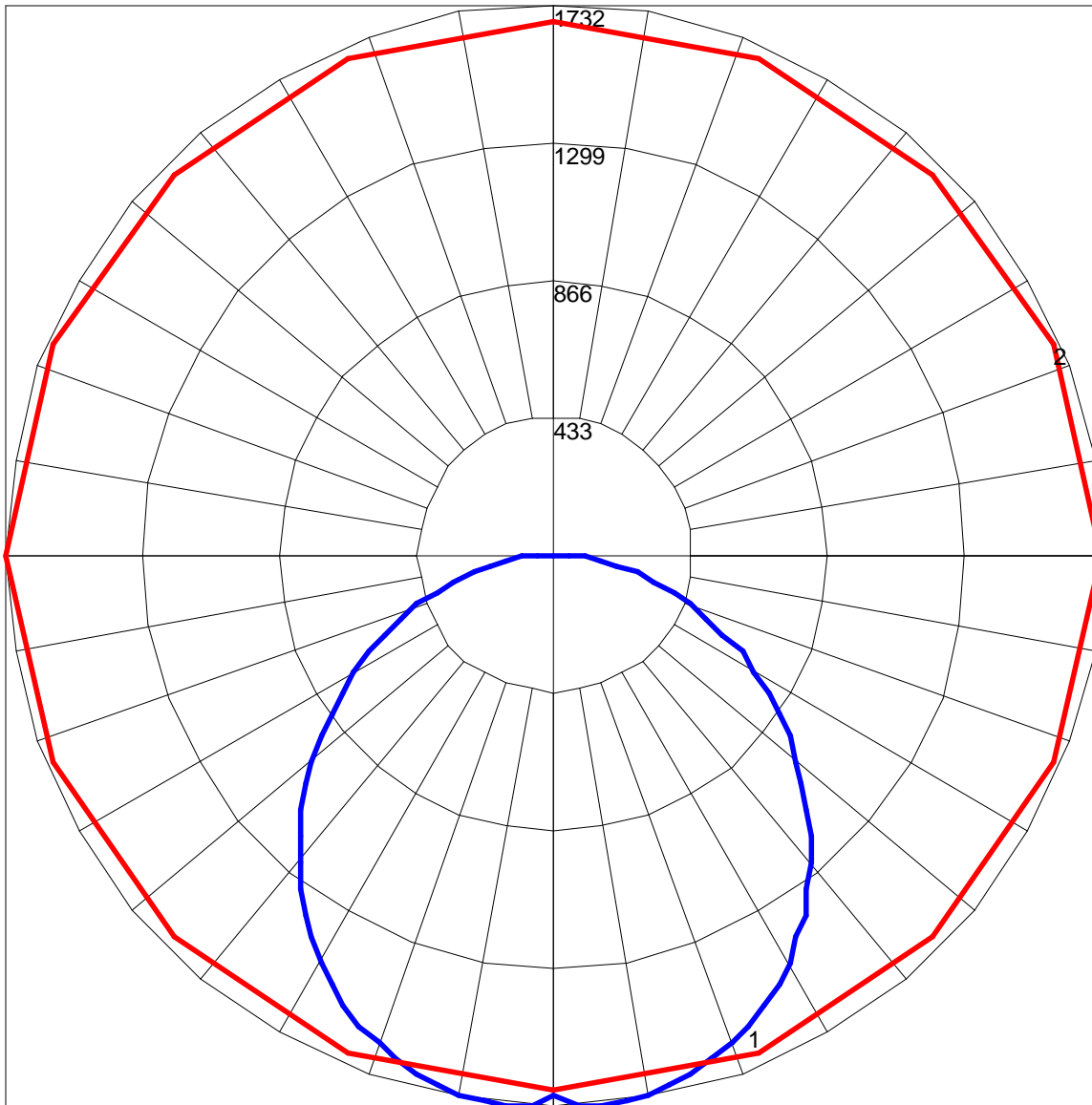
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1731.501 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.)