



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-60L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8913_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-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 SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6134
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	46.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2180	2623	2988
55	2050	2716	3296
65	1892	2828	3732
75	1699	3068	4491
85	1482	3594	4634

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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	1707.201	1707.201	1707.201	1707.201	1707.201
2.5	1741.588	1721.360	1709.224	1693.042	1682.928
5.0	1739.565	1721.360	1709.224	1699.110	1688.996
7.5	1735.519	1719.337	1709.224	1699.110	1688.996
10.0	1723.383	1709.224	1705.178	1699.110	1691.019
12.5	1711.246	1697.087	1699.110	1697.087	1695.064
15.0	1693.042	1684.951	1691.019	1701.133	1699.110
17.5	1666.746	1662.700	1680.905	1699.110	1701.133
20.0	1644.496	1644.496	1670.791	1697.087	1703.155
22.5	1610.109	1618.200	1656.632	1693.042	1701.133
25.0	1573.699	1585.836	1638.427	1684.951	1697.087
27.5	1527.176	1549.426	1616.177	1672.814	1688.996
30.0	1482.676	1510.994	1589.881	1660.678	1680.905
32.5	1434.130	1466.494	1561.563	1644.496	1666.746
35.0	1381.538	1419.970	1529.199	1626.291	1650.564
37.5	1322.878	1371.424	1496.835	1606.063	1636.405
40.0	1264.219	1318.833	1454.357	1575.722	1612.132
42.5	1205.559	1264.219	1415.925	1549.426	1587.859
45.0	1134.763	1203.536	1365.356	1513.017	1555.495
47.5	1068.012	1138.808	1314.787	1474.585	1521.108
50.0	1005.307	1078.126	1264.219	1434.130	1484.698
52.5	936.533	1013.398	1207.582	1387.606	1446.266
55.0	865.737	942.601	1146.899	1335.015	1391.652
57.5	798.986	877.873	1086.217	1282.423	1343.106
60.0	732.235	809.100	1021.489	1223.764	1286.469
62.5	663.462	736.281	952.715	1161.058	1225.786
65.0	588.620	663.462	879.896	1094.308	1161.058
67.5	521.869	590.643	807.077	1023.511	1090.262
70.0	453.096	519.847	734.258	952.715	1021.489
72.5	388.368	451.073	659.416	875.851	940.579
75.0	323.640	384.322	584.575	788.872	855.623
77.5	258.912	315.549	503.665	693.803	746.395
80.0	202.275	252.844	420.732	586.597	631.098
82.5	147.661	190.138	329.708	459.164	483.437
85.0	95.069	131.479	230.593	297.344	297.344
87.5	50.569	68.773	109.228	149.683	153.729
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	641.87	N.A.	10.50
0-30	1396.59	N.A.	22.80
0-40	2350.31	N.A.	38.30
0-60	4416.85	N.A.	72.00
0-80	5901.29	N.A.	96.20
0-90	6133.85	N.A.	100.00
10-90	5970.72	N.A.	97.30
20-40	1708.44	N.A.	27.90
20-50	2755.77	N.A.	44.90
40-70	2935.68	N.A.	47.90
60-80	1484.44	N.A.	24.20
70-80	615.30	N.A.	10.00
80-90	232.56	N.A.	3.80
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	6133.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.13
10-20	478.74
20-30	754.72
30-40	953.72
40-50	1047.33
50-60	1019.21
60-70	869.14
70-80	615.30
80-90	232.56
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

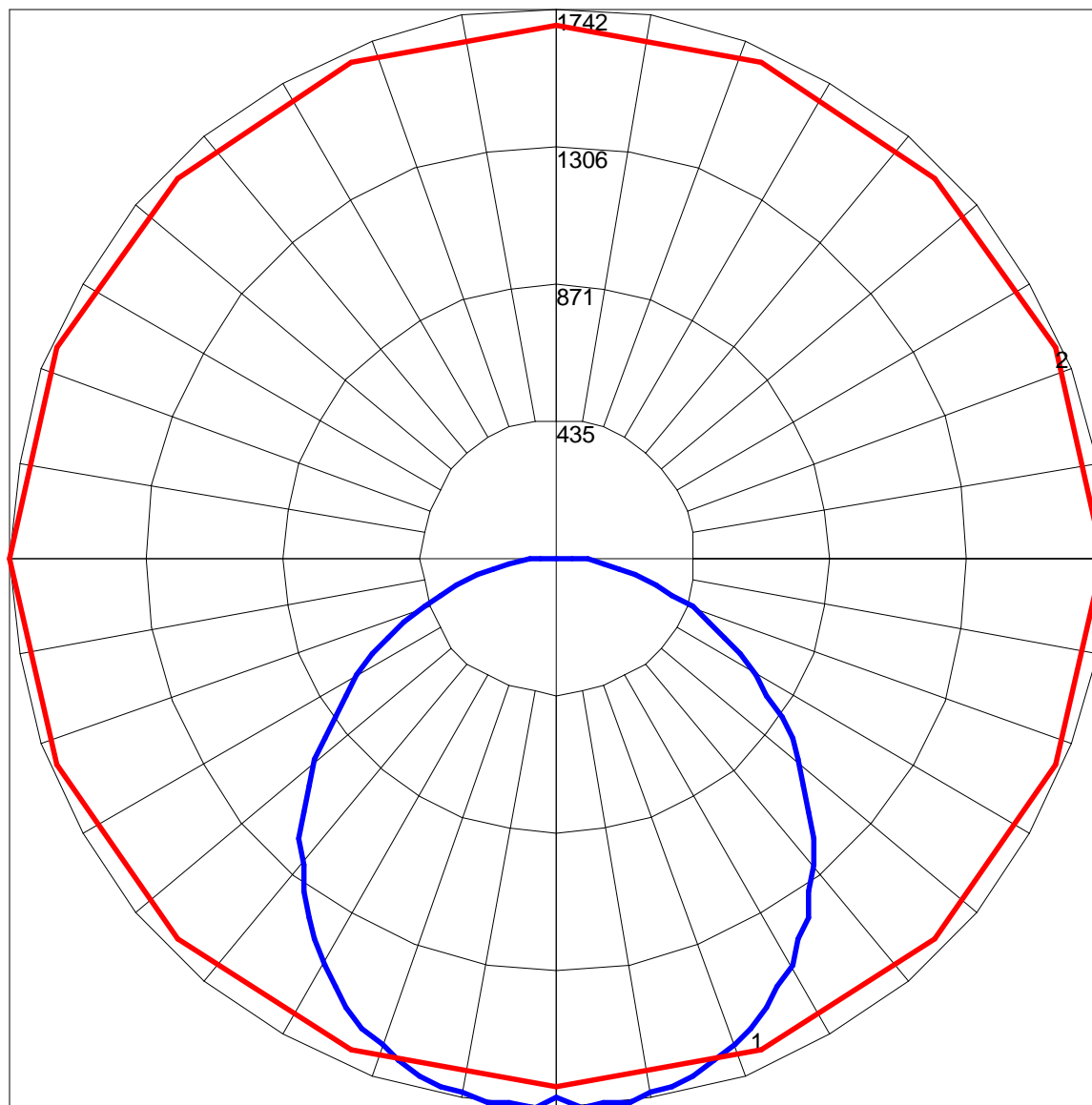
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	43	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1741.588 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.)