



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-65L-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-65L-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	6603
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	49.9
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	2347	2823	3217
55	2207	2924	3548
65	2037	3044	4017
75	1828	3303	4834
85	1595	3869	4989

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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	1837.751	1837.751	1837.751	1837.751	1837.751
2.5	1874.767	1852.993	1839.928	1822.509	1811.622
5.0	1872.590	1852.993	1839.928	1829.041	1818.154
7.5	1868.235	1850.815	1839.928	1829.041	1818.154
10.0	1855.170	1839.928	1835.573	1829.041	1820.331
12.5	1842.106	1826.864	1829.041	1826.864	1824.686
15.0	1822.509	1813.799	1820.331	1831.219	1829.041
17.5	1794.202	1789.847	1809.444	1829.041	1831.219
20.0	1770.251	1770.251	1798.557	1826.864	1833.396
22.5	1733.234	1741.944	1783.315	1822.509	1831.219
25.0	1694.040	1707.105	1763.718	1813.799	1826.864
27.5	1643.960	1667.911	1739.767	1800.735	1818.154
30.0	1596.056	1626.540	1711.460	1787.670	1809.444
32.5	1543.798	1578.637	1680.976	1770.251	1794.202
35.0	1487.185	1528.556	1646.137	1750.654	1776.783
37.5	1424.039	1476.297	1611.298	1728.879	1761.541
40.0	1360.894	1419.684	1565.572	1696.218	1735.412
42.5	1297.748	1360.894	1524.201	1667.911	1709.282
45.0	1221.538	1295.571	1469.765	1628.718	1674.444
47.5	1149.683	1225.893	1415.329	1587.346	1637.427
50.0	1082.183	1160.570	1360.894	1543.798	1598.234
52.5	1008.150	1090.892	1299.926	1493.717	1556.862
55.0	931.940	1014.682	1234.603	1437.104	1498.072
57.5	860.085	945.005	1169.280	1380.491	1445.813
60.0	788.230	870.972	1099.602	1317.345	1384.845
62.5	714.197	792.584	1025.569	1249.845	1319.523
65.0	633.632	714.197	947.182	1177.990	1249.845
67.5	561.777	635.810	868.795	1101.780	1173.635
70.0	487.744	559.599	790.407	1025.569	1099.602
72.5	418.067	485.567	709.842	942.827	1012.505
75.0	348.389	413.712	629.277	849.198	921.053
77.5	278.711	339.679	542.180	746.858	803.472
80.0	217.743	272.179	452.905	631.455	679.358
82.5	158.952	204.678	354.921	494.277	520.406
85.0	102.339	141.533	248.227	320.082	320.082
87.5	54.436	74.033	117.581	161.130	165.485
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	690.95	N.A.	10.50
0-30	1503.39	N.A.	22.80
0-40	2530.04	N.A.	38.30
0-60	4754.61	N.A.	72.00
0-80	6352.57	N.A.	96.20
0-90	6602.91	N.A.	100.00
10-90	6427.3	N.A.	97.30
20-40	1839.09	N.A.	27.90
20-50	2966.5	N.A.	44.90
40-70	3160.17	N.A.	47.90
60-80	1597.96	N.A.	24.20
70-80	662.35	N.A.	10.00
80-90	250.34	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	6602.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	175.61
10-20	515.35
20-30	812.44
30-40	1026.65
40-50	1127.41
50-60	1097.15
60-70	935.61
70-80	662.35
80-90	250.34
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

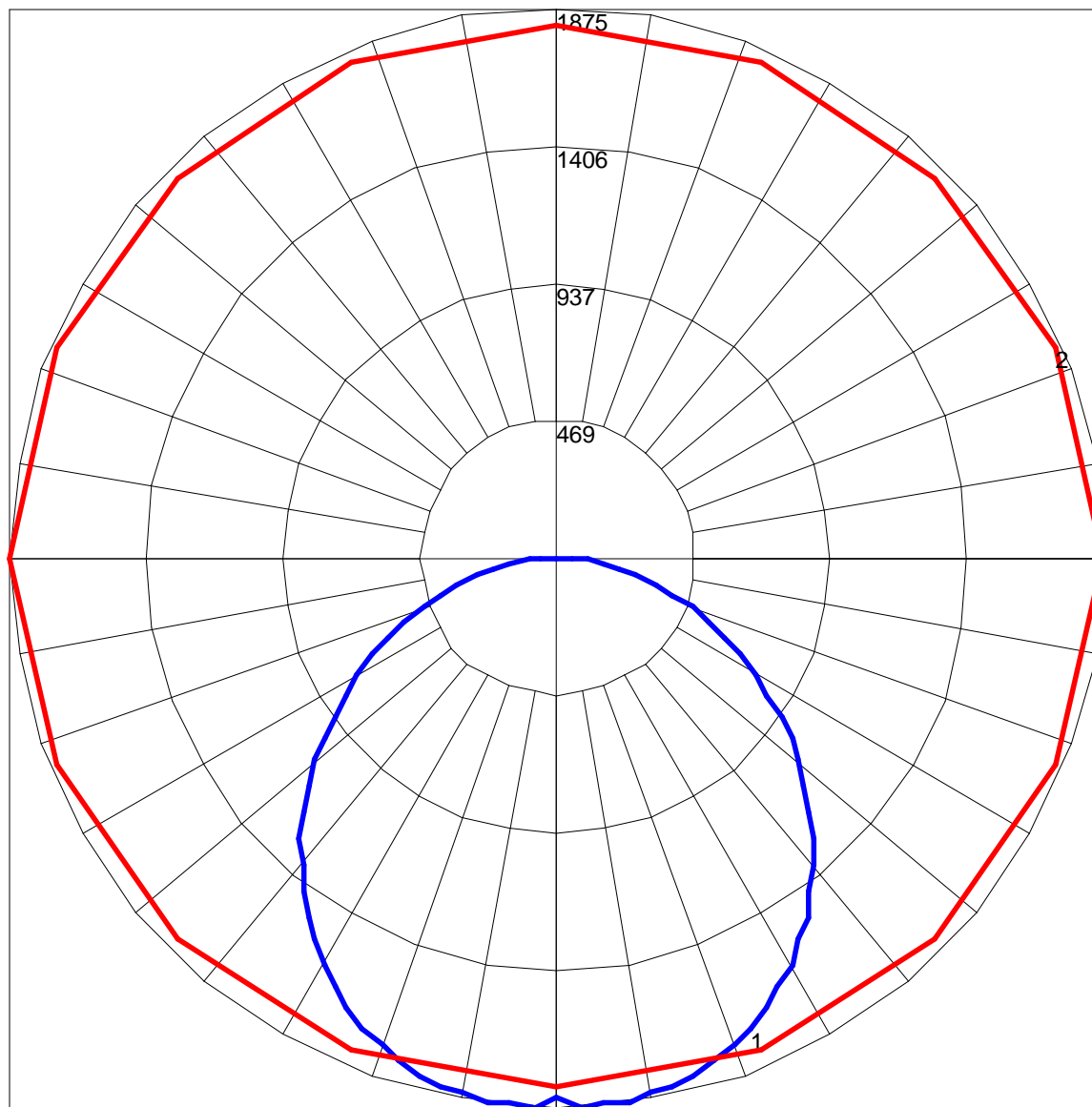
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1874.767 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.)