



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-55L-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-55L-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	5617
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	42
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	1996	2402	2736
55	1877	2487	3018
65	1732	2590	3417
75	1555	2809	4112
85	1357	3291	4244

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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	1563.291	1563.291	1563.291	1563.291	1563.291
2.5	1594.779	1576.256	1565.143	1550.325	1541.064
5.0	1592.926	1576.256	1565.143	1555.882	1546.620
7.5	1589.222	1574.404	1565.143	1555.882	1546.620
10.0	1578.108	1565.143	1561.438	1555.882	1548.473
12.5	1566.995	1554.029	1555.882	1554.029	1552.177
15.0	1550.325	1542.916	1548.473	1557.734	1555.882
17.5	1526.246	1522.541	1539.211	1555.882	1557.734
20.0	1505.871	1505.871	1529.950	1554.029	1559.586
22.5	1474.383	1481.792	1516.985	1550.325	1557.734
25.0	1441.043	1452.156	1500.314	1542.916	1554.029
27.5	1398.441	1418.816	1479.940	1531.802	1546.620
30.0	1357.692	1383.623	1455.861	1520.689	1539.211
32.5	1313.238	1342.874	1429.929	1505.871	1526.246
35.0	1265.080	1300.272	1400.293	1489.201	1511.428
37.5	1211.365	1255.819	1370.658	1470.679	1498.462
40.0	1157.650	1207.660	1331.761	1442.895	1476.235
42.5	1103.935	1157.650	1296.568	1418.816	1454.008
45.0	1039.107	1102.083	1250.262	1385.475	1424.373
47.5	977.983	1042.811	1203.956	1350.283	1392.884
50.0	920.563	987.244	1157.650	1313.238	1359.544
52.5	857.587	927.972	1105.787	1270.637	1324.352
55.0	792.759	863.144	1050.220	1222.478	1274.341
57.5	731.635	803.872	994.653	1174.320	1229.887
60.0	670.511	740.896	935.381	1120.605	1178.025
62.5	607.535	674.215	872.405	1063.186	1122.457
65.0	539.002	607.535	805.724	1002.062	1063.186
67.5	477.878	540.854	739.044	937.233	998.357
70.0	414.902	476.026	672.363	872.405	935.381
72.5	355.630	413.050	603.830	802.020	861.292
75.0	296.358	351.926	535.297	722.374	783.498
77.5	237.087	288.949	461.208	635.318	683.477
80.0	185.224	231.530	385.266	537.150	577.899
82.5	135.214	174.111	301.915	420.458	442.685
85.0	87.055	120.396	211.155	272.279	272.279
87.5	46.306	62.976	100.021	137.066	140.770
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	587.76	N.A.	10.50
0-30	1278.87	N.A.	22.80
0-40	2152.19	N.A.	38.30
0-60	4044.53	N.A.	72.00
0-80	5403.84	N.A.	96.20
0-90	5616.79	N.A.	100.00
10-90	5467.41	N.A.	97.30
20-40	1564.43	N.A.	27.90
20-50	2523.47	N.A.	44.90
40-70	2688.21	N.A.	47.90
60-80	1359.31	N.A.	24.20
70-80	563.43	N.A.	10.00
80-90	212.95	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	5616.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	149.38
10-20	438.38
20-30	691.10
30-40	873.33
40-50	959.04
50-60	933.30
60-70	795.88
70-80	563.43
80-90	212.95
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

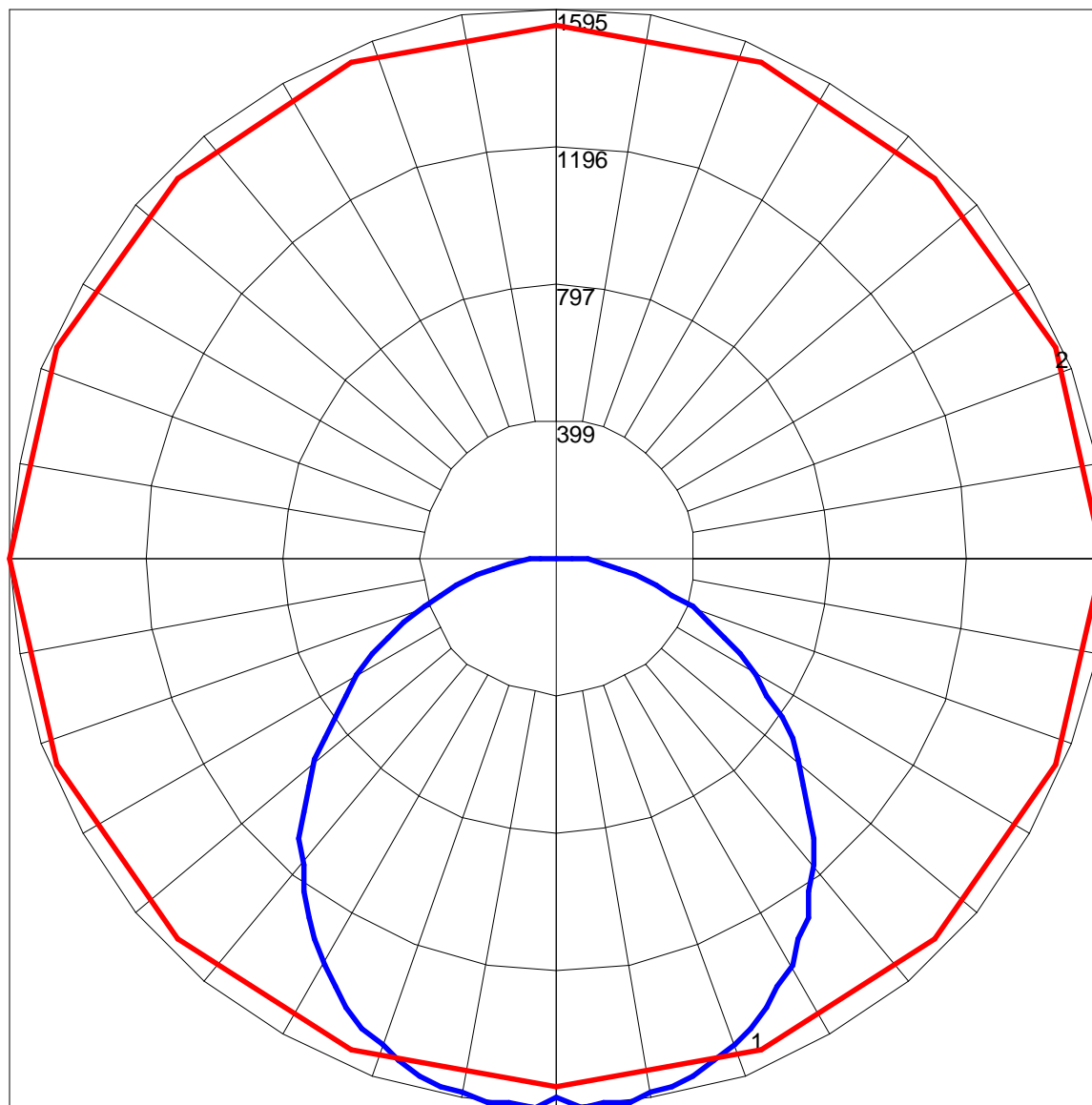
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1594.779 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.)