



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC24-LED-48L-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-48L-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	4909
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	36.3
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	1745	2099	2391
55	1641	2174	2637
65	1514	2263	2986
75	1359	2455	3594
85	1186	2876	3709

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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>
<b>0.0</b>	1366.208	1366.208	1366.208	1366.208	1366.208
<b>2.5</b>	1393.726	1377.539	1367.827	1354.877	1346.783
<b>5.0</b>	1392.108	1377.539	1367.827	1359.733	1351.640
<b>7.5</b>	1388.870	1375.920	1367.827	1359.733	1351.640
<b>10.0</b>	1379.158	1367.827	1364.589	1359.733	1353.258
<b>12.5</b>	1369.446	1358.114	1359.733	1358.114	1356.496
<b>15.0</b>	1354.877	1348.402	1353.258	1361.352	1359.733
<b>17.5</b>	1333.833	1330.596	1345.165	1359.733	1361.352
<b>20.0</b>	1316.027	1316.027	1337.071	1358.114	1362.971
<b>22.5</b>	1288.509	1294.984	1325.740	1354.877	1361.352
<b>25.0</b>	1259.372	1269.084	1311.171	1348.402	1358.114
<b>27.5</b>	1222.141	1239.947	1293.365	1338.690	1351.640
<b>30.0</b>	1186.529	1209.191	1272.322	1328.977	1345.165
<b>32.5</b>	1147.680	1173.579	1249.660	1316.027	1333.833
<b>35.0</b>	1105.593	1136.348	1223.760	1301.459	1320.884
<b>37.5</b>	1058.649	1097.499	1197.860	1285.272	1309.553
<b>40.0</b>	1011.706	1055.412	1163.867	1260.991	1290.128
<b>42.5</b>	964.763	1011.706	1133.111	1239.947	1270.703
<b>45.0</b>	908.108	963.144	1092.643	1210.810	1244.803
<b>47.5</b>	854.689	911.345	1052.174	1180.054	1217.285
<b>50.0</b>	804.509	862.783	1011.706	1147.680	1188.148
<b>52.5</b>	749.472	810.984	966.382	1110.449	1157.392
<b>55.0</b>	692.816	754.328	917.820	1068.362	1113.686
<b>57.5</b>	639.398	702.529	869.258	1026.275	1074.837
<b>60.0</b>	585.980	647.492	817.459	979.332	1029.512
<b>62.5</b>	530.943	589.218	762.422	929.151	980.950
<b>65.0</b>	471.050	530.943	704.148	875.733	929.151
<b>67.5</b>	417.632	472.669	645.873	819.077	872.495
<b>70.0</b>	362.596	416.014	587.599	762.422	817.459
<b>72.5</b>	310.796	360.977	527.706	700.910	752.709
<b>75.0</b>	258.997	307.559	467.813	631.305	684.723
<b>77.5</b>	207.197	252.522	403.064	555.224	597.311
<b>80.0</b>	161.873	202.341	336.696	469.432	505.044
<b>82.5</b>	118.167	152.161	263.853	367.452	386.876
<b>85.0</b>	76.080	105.217	184.535	237.953	237.953
<b>87.5</b>	40.468	55.037	87.411	119.786	123.023
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	513.66	N.A.	10.50
0-30	1117.64	N.A.	22.80
0-40	1880.87	N.A.	38.30
0-60	3534.64	N.A.	72.00
0-80	4722.58	N.A.	96.20
0-90	4908.69	N.A.	100.00
10-90	4778.14	N.A.	97.30
20-40	1367.2	N.A.	27.90
20-50	2205.34	N.A.	44.90
40-70	2349.31	N.A.	47.90
60-80	1187.94	N.A.	24.20
70-80	492.40	N.A.	10.00
80-90	186.11	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	4908.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	130.55
10-20	383.12
20-30	603.98
30-40	763.23
40-50	838.13
50-60	815.64
60-70	695.54
70-80	492.40
80-90	186.11
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

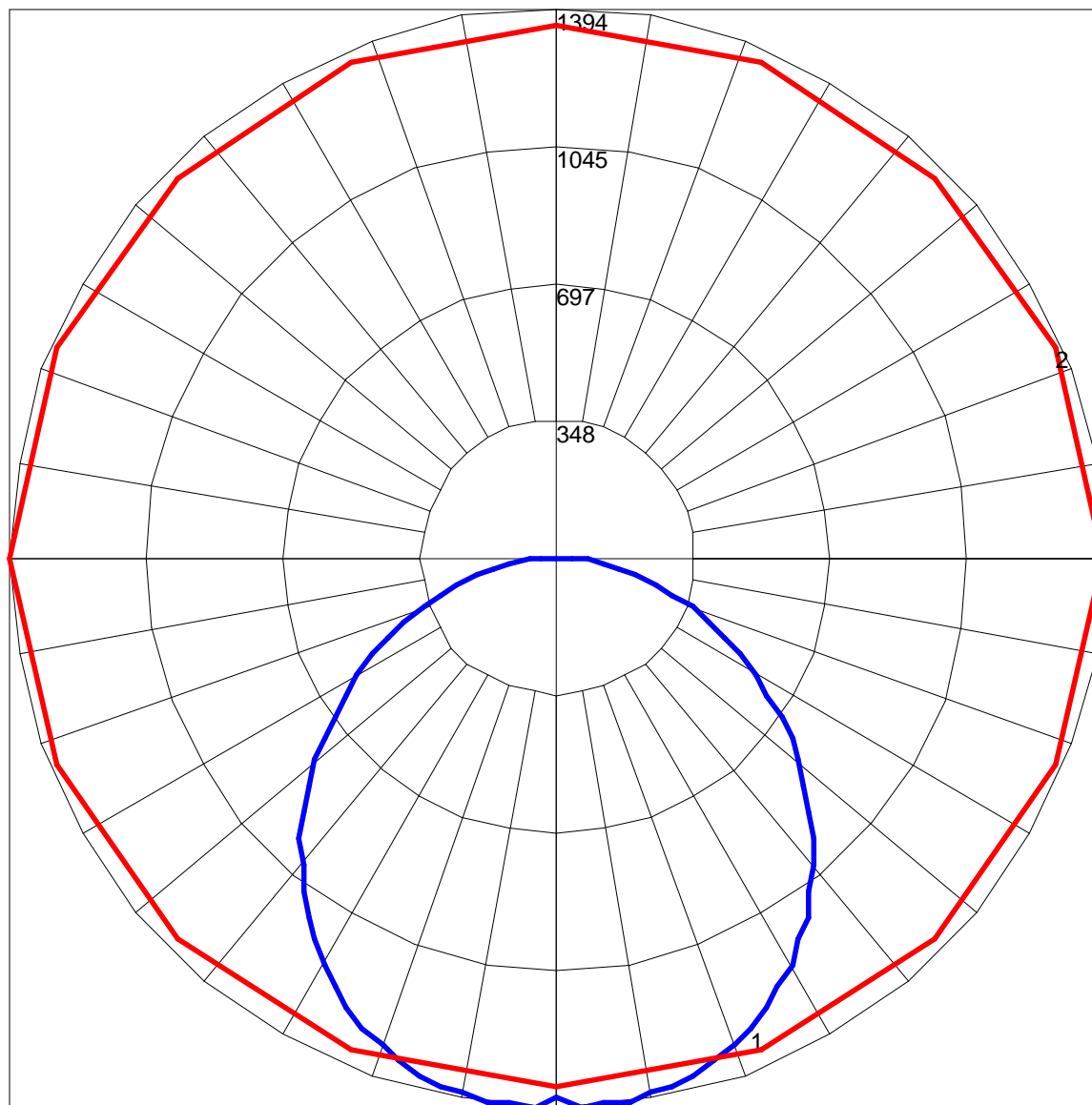
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1393.726 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.)