



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-48L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8907
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/16/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-48L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4849
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	36.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
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	1729	2079	2359
55	1625	2146	2610
65	1501	2237	2935
75	1317	2419	3522
85	1185	2883	3896

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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	1354	1354	1354	1354	1354
2.5	1382	1366	1356	1344	1336
5.0	1382	1366	1356	1346	1339
7.5	1376	1363	1355	1347	1340
10.0	1369	1357	1353	1349	1342
12.5	1357	1348	1348	1348	1345
15.0	1344	1337	1343	1349	1348
17.5	1324	1321	1334	1347	1348
20.0	1303	1303	1325	1345	1348
22.5	1277	1282	1312	1340	1347
25.0	1246	1258	1297	1334	1343
27.5	1213	1230	1281	1326	1339
30.0	1176	1198	1261	1317	1332
32.5	1135	1163	1237	1303	1322
35.0	1092	1125	1211	1287	1308
37.5	1046	1085	1182	1269	1293
40.0	999	1044	1152	1247	1275
42.5	950	999	1117	1223	1251
45.0	900	953	1082	1196	1228
47.5	848	903	1041	1164	1202
50.0	793	852	999	1131	1171
52.5	738	798	953	1094	1138
55.0	686	747	906	1055	1102
57.5	629	691	857	1011	1061
60.0	575	636	805	965	1016
62.5	520	580	750	914	966
65.0	467	525	696	862	913
67.5	413	467	638	805	858
70.0	359	411	580	748	801
72.5	304	354	519	689	742
75.0	251	300	461	624	671
77.5	203	247	400	547	595
80.0	157	198	331	469	510
82.5	115	152	260	371	393
85.0	76	104	185	247	250
87.5	39	55	90	94	84
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	509.27	N.A.	10.50
0-30	1107.39	N.A.	22.80
0-40	1862.4	N.A.	38.40
0-60	3494.61	N.A.	72.10
0-80	4664.7	N.A.	96.20
0-90	4848.52	N.A.	100.00
10-90	4719.12	N.A.	97.30
20-40	1353.13	N.A.	27.90
20-50	2181.11	N.A.	45.00
40-70	2317.32	N.A.	47.80
60-80	1170.09	N.A.	24.10
70-80	484.98	N.A.	10.00
80-90	183.82	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	4848.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.40
10-20	379.86
20-30	598.12
30-40	755.01
40-50	827.98
50-60	804.23
60-70	685.11
70-80	484.98
80-90	183.82
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

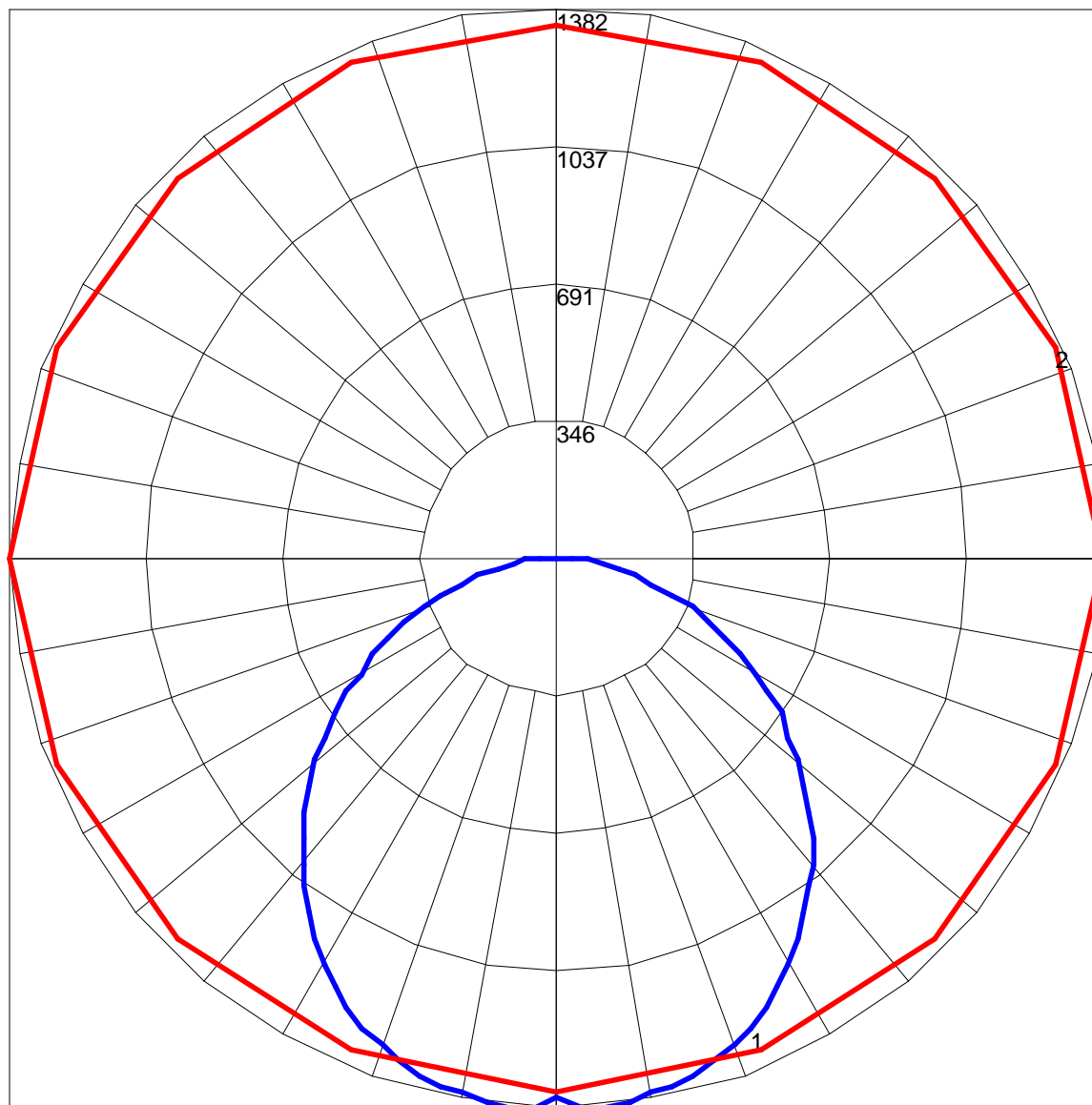
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	68	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	61	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	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	25	38	31	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 = 1382 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.)