



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-48L-50.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-50
[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	5220
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
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	1855	2232	2543
55	1745	2311	2805
65	1610	2407	3176
75	1445	2611	3821
85	1261	3058	3944

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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	1452.777	1452.777	1452.777	1452.777	1452.777
2.5	1482.039	1464.826	1454.499	1440.728	1432.122
5.0	1480.318	1464.826	1454.499	1445.892	1437.286
7.5	1476.875	1463.105	1454.499	1445.892	1437.286
10.0	1466.548	1454.499	1451.056	1445.892	1439.007
12.5	1456.220	1444.171	1445.892	1444.171	1442.449
15.0	1440.728	1433.843	1439.007	1447.613	1445.892
17.5	1418.351	1414.909	1430.400	1445.892	1447.613
20.0	1399.417	1399.417	1421.794	1444.171	1449.335
22.5	1370.155	1377.040	1409.745	1440.728	1447.613
25.0	1339.171	1349.499	1394.253	1433.843	1444.171
27.5	1299.582	1318.516	1375.319	1423.515	1437.286
30.0	1261.713	1285.811	1352.942	1413.187	1430.400
32.5	1220.402	1247.943	1328.844	1399.417	1418.351
35.0	1175.648	1208.353	1301.303	1383.925	1404.581
37.5	1125.730	1167.041	1273.762	1366.712	1392.532
40.0	1075.813	1122.288	1237.615	1340.893	1371.876
42.5	1025.895	1075.813	1204.910	1318.516	1351.221
45.0	965.649	1024.174	1161.878	1287.532	1323.680
47.5	908.846	969.092	1118.845	1254.828	1294.418
50.0	855.486	917.453	1075.813	1220.402	1263.434
52.5	796.962	862.371	1027.616	1180.812	1230.730
55.0	736.716	802.126	975.977	1136.058	1184.254
57.5	679.914	747.044	924.338	1091.304	1142.943
60.0	623.111	688.520	869.257	1041.387	1094.747
62.5	564.586	626.553	810.732	988.026	1043.108
65.0	500.898	564.586	748.766	931.223	988.026
67.5	444.095	502.620	686.799	870.978	927.781
70.0	385.571	442.374	624.832	810.732	869.257
72.5	330.490	383.850	561.144	745.323	800.405
75.0	275.408	327.047	497.456	671.307	728.110
77.5	220.326	268.523	428.604	590.406	635.160
80.0	172.130	215.163	358.030	499.177	537.046
82.5	125.655	161.802	280.572	390.735	411.391
85.0	80.901	111.885	196.228	253.031	253.031
87.5	43.033	58.524	92.950	127.376	130.819
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	546.21	N.A.	10.50
0-30	1188.46	N.A.	22.80
0-40	2000.05	N.A.	38.30
0-60	3758.61	N.A.	72.00
0-80	5021.83	N.A.	96.20
0-90	5219.73	N.A.	100.00
10-90	5080.91	N.A.	97.30
20-40	1453.83	N.A.	27.90
20-50	2345.08	N.A.	44.90
40-70	2498.18	N.A.	47.90
60-80	1263.22	N.A.	24.20
70-80	523.60	N.A.	10.00
80-90	197.90	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	5219.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	138.82
10-20	407.39
20-30	642.25
30-40	811.59
40-50	891.24
50-60	867.32
60-70	739.62
70-80	523.60
80-90	197.90
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

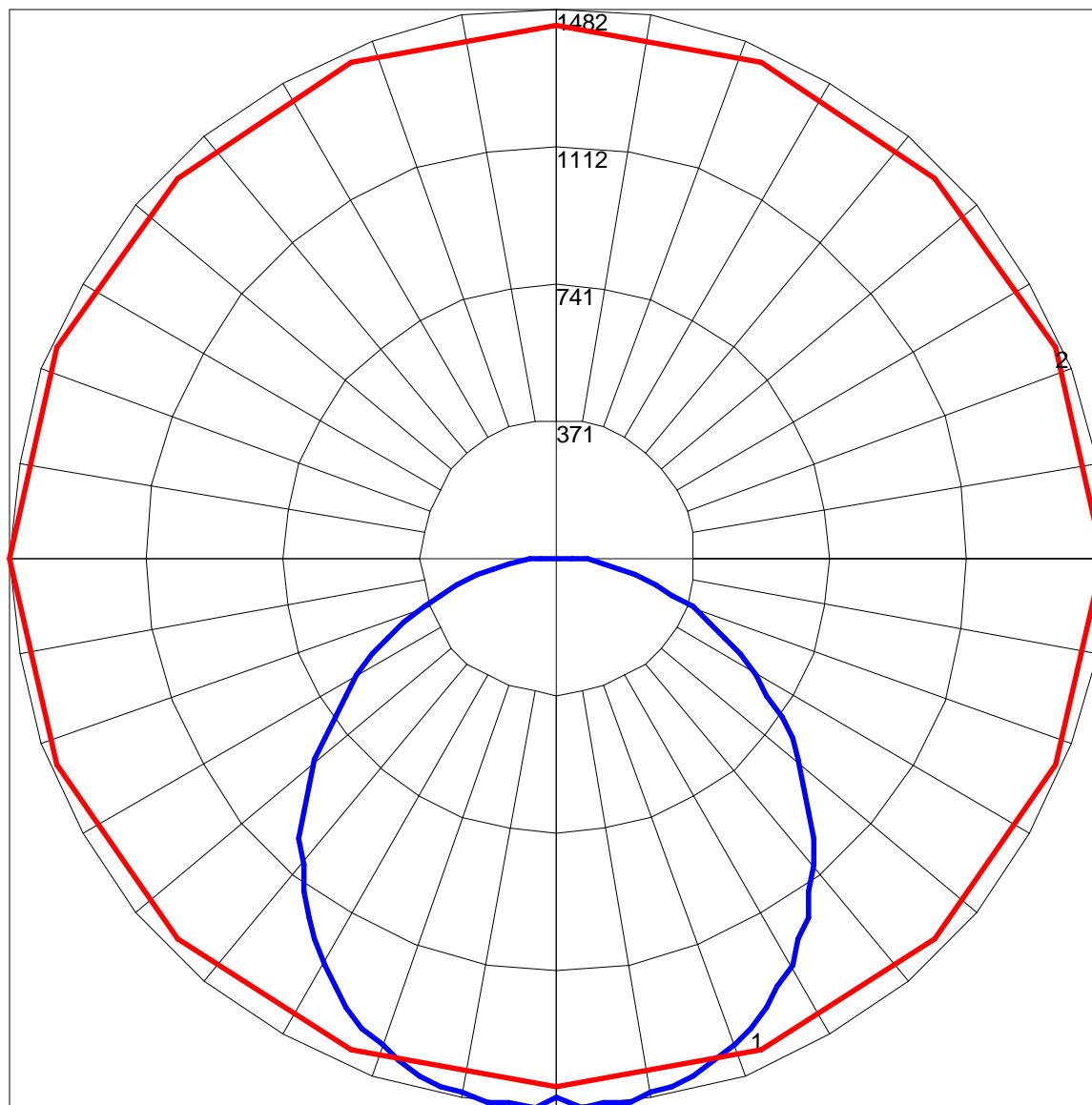
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1482.039 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.)