



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC24-LED-48L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8781_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]07/13/17
[TEST]DATE]04/18/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC24-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_SOURCE]TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5153
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	38.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.46
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	1915	2185	2407
55	1760	2193	2538
65	1632	2264	2759
75	1475	2594	3394
85	1346	3298	3166

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-48L-50.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1548.958	1548.958	1548.958	1548.958	1548.958
2.5	1586.200	1562.501	1550.651	1535.415	1523.565
5.0	1586.200	1562.501	1550.651	1537.108	1525.258
7.5	1579.429	1557.422	1547.265	1537.108	1525.258
10.0	1570.965	1550.651	1542.186	1535.415	1525.258
12.5	1557.422	1538.801	1535.415	1530.336	1521.872
15.0	1540.493	1521.872	1521.872	1523.565	1516.794
17.5	1516.794	1501.558	1508.329	1515.101	1510.022
20.0	1488.015	1477.858	1491.401	1503.251	1501.558
22.5	1455.851	1450.772	1471.087	1489.708	1491.401
25.0	1420.301	1420.301	1447.387	1474.472	1476.165
27.5	1377.980	1383.058	1418.608	1452.465	1460.930
30.0	1333.966	1344.123	1388.137	1432.151	1440.615
32.5	1283.180	1298.416	1354.280	1405.065	1416.915
35.0	1229.009	1251.016	1317.037	1376.287	1389.830
37.5	1174.838	1200.231	1273.023	1344.123	1361.051
40.0	1117.281	1147.752	1232.395	1308.573	1328.887
42.5	1058.031	1091.888	1184.995	1271.330	1291.645
45.0	997.089	1032.638	1137.595	1229.009	1252.709
47.5	931.067	975.082	1086.810	1186.688	1212.081
50.0	866.739	915.832	1032.638	1140.981	1169.759
52.5	804.104	854.889	980.160	1090.195	1120.667
55.0	743.161	795.639	925.989	1039.410	1071.574
57.5	682.219	738.083	871.818	988.624	1019.096
60.0	624.662	678.833	815.954	936.146	966.617
62.5	565.412	621.276	760.090	880.282	912.446
65.0	507.855	563.719	704.226	826.111	858.275
67.5	445.220	502.776	651.747	773.632	804.104
70.0	389.355	450.298	595.883	719.461	749.933
72.5	335.184	397.820	543.405	665.290	697.454
75.0	281.013	347.034	494.312	614.505	646.669
77.5	230.228	299.634	443.527	565.412	590.805
80.0	181.135	253.927	396.127	477.384	480.769
82.5	133.735	206.528	323.334	350.420	335.184
85.0	86.335	157.435	211.606	208.221	203.142
87.5	42.321	86.335	94.800	101.571	101.571
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-48L-50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	578.47	N.A.	11.20
0-30	1245.57	N.A.	24.20
0-40	2067.28	N.A.	40.10
0-60	3760.97	N.A.	73.00
0-80	4954.45	N.A.	96.10
0-90	5153.13	N.A.	100.00
10-90	5005.3	N.A.	97.10
20-40	1488.8	N.A.	28.90
20-50	2361.66	N.A.	45.80
40-70	2381.62	N.A.	46.20
60-80	1193.48	N.A.	23.20
70-80	505.55	N.A.	9.80
80-90	198.68	N.A.	3.90
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	5153.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	147.82
10-20	430.65
20-30	667.10
30-40	821.71
40-50	872.86
50-60	820.83
60-70	687.93
70-80	505.55
80-90	198.68
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

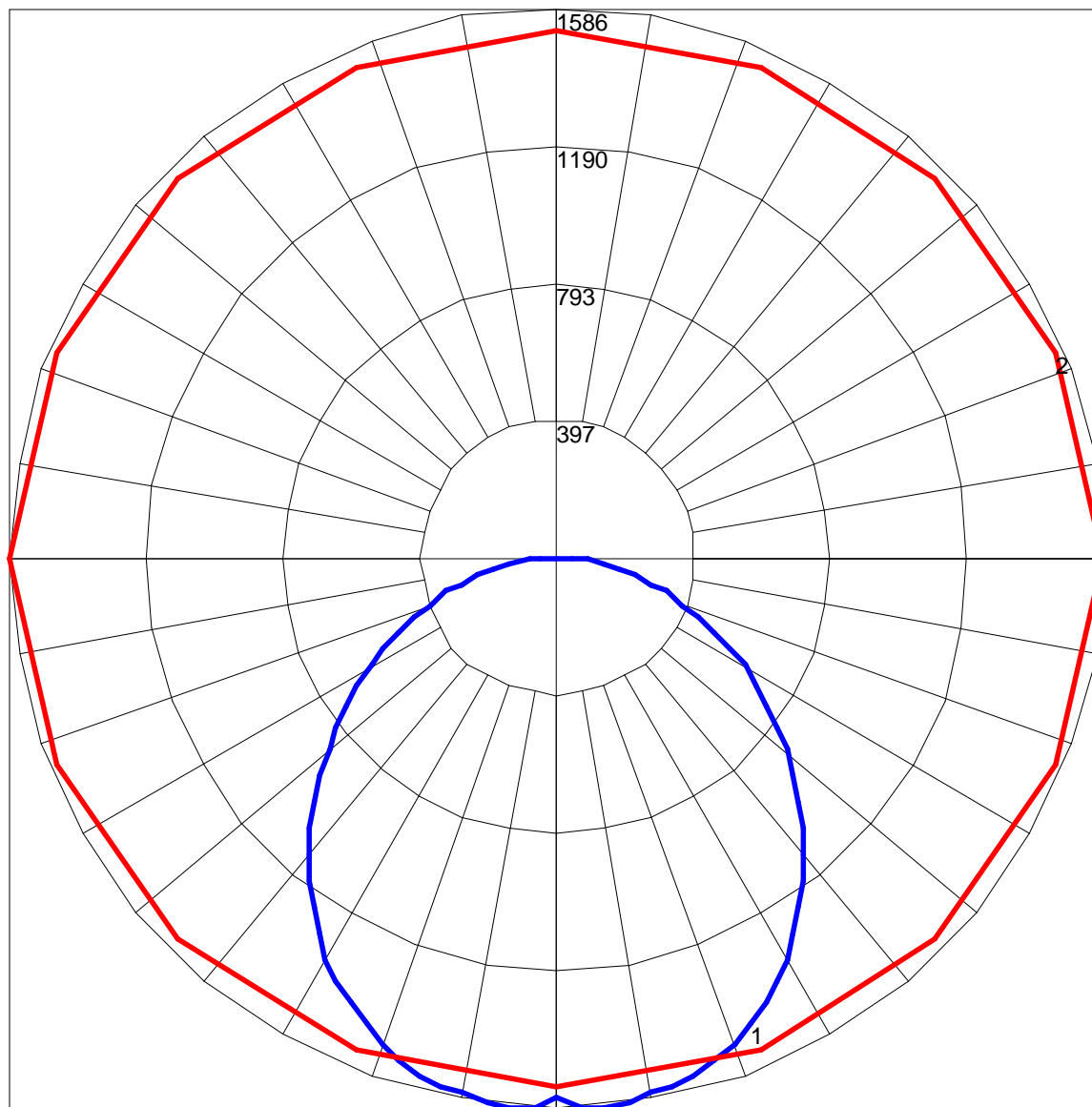
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-48L-50.IES

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	93	104	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 1586.2 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.)