



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-50L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]08/18/17
[TESTDATE]08/18/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-LED-50L-30
[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	4888
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	39.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3793	4245	4613
55	3519	4223	4790
65	3266	4298	4930
75	2993	4276	4151
85	2764	3884	4333

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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	1542.623	1542.623	1542.623	1542.623	1542.623
2.5	1581.370	1557.153	1545.045	1530.514	1523.249
5.0	1576.527	1554.731	1545.045	1530.514	1518.406
7.5	1569.262	1549.888	1540.201	1528.093	1520.828
10.0	1569.262	1545.045	1537.780	1528.093	1518.406
12.5	1552.310	1530.514	1528.093	1520.828	1513.563
15.0	1535.358	1515.984	1518.406	1518.406	1508.719
17.5	1515.984	1499.032	1501.454	1506.297	1501.454
20.0	1484.502	1472.394	1479.659	1489.346	1486.924
22.5	1453.020	1445.755	1457.863	1474.815	1472.394
25.0	1421.538	1414.273	1436.068	1455.442	1455.442
27.5	1377.947	1377.947	1407.008	1433.646	1438.490
30.0	1331.935	1341.622	1375.526	1409.429	1416.695
32.5	1281.079	1293.188	1339.200	1380.369	1387.634
35.0	1232.645	1249.597	1302.875	1353.730	1363.417
37.5	1174.525	1196.320	1259.284	1317.405	1329.513
40.0	1121.247	1145.464	1218.115	1281.079	1295.610
42.5	1055.861	1084.922	1167.259	1235.067	1254.441
45.0	997.740	1026.801	1116.404	1193.898	1213.272
47.5	934.776	973.523	1067.970	1152.729	1174.525
50.0	871.812	912.981	1012.271	1101.874	1121.247
52.5	811.270	854.860	961.415	1048.596	1075.235
55.0	750.727	794.318	900.872	995.319	1021.957
57.5	690.185	738.619	850.017	942.041	968.680
60.0	632.064	680.498	789.474	881.499	910.559
62.5	569.100	617.534	731.353	820.956	842.752
65.0	513.400	559.413	675.654	760.414	774.944
67.5	450.436	496.449	612.690	678.076	685.341
70.0	392.315	445.593	549.726	593.317	586.051
72.5	341.460	394.737	484.340	506.135	494.027
75.0	288.182	341.460	411.689	409.267	399.581
77.5	237.327	293.026	336.616	326.930	312.399
80.0	184.049	232.483	256.700	247.013	242.170
82.5	133.194	176.784	188.893	186.471	186.471
85.0	89.603	118.663	125.928	133.194	140.459
87.5	46.012	60.543	60.543	65.386	67.808
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	575.94	N.A.	11.80
0-30	1237.73	N.A.	25.30
0-40	2050.58	N.A.	42.00
0-60	3709.6	N.A.	75.90
0-80	4756.75	N.A.	97.30
0-90	4887.57	N.A.	100.00
10-90	4740.38	N.A.	97.00
20-40	1474.64	N.A.	30.20
20-50	2332.72	N.A.	47.70
40-70	2306.97	N.A.	47.20
60-80	1047.16	N.A.	21.40
70-80	399.21	N.A.	8.20
80-90	130.81	N.A.	2.70
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	4887.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	147.19
10-20	428.74
20-30	661.79
30-40	812.85
40-50	858.08
50-60	800.94
60-70	647.95
70-80	399.21
80-90	130.81
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

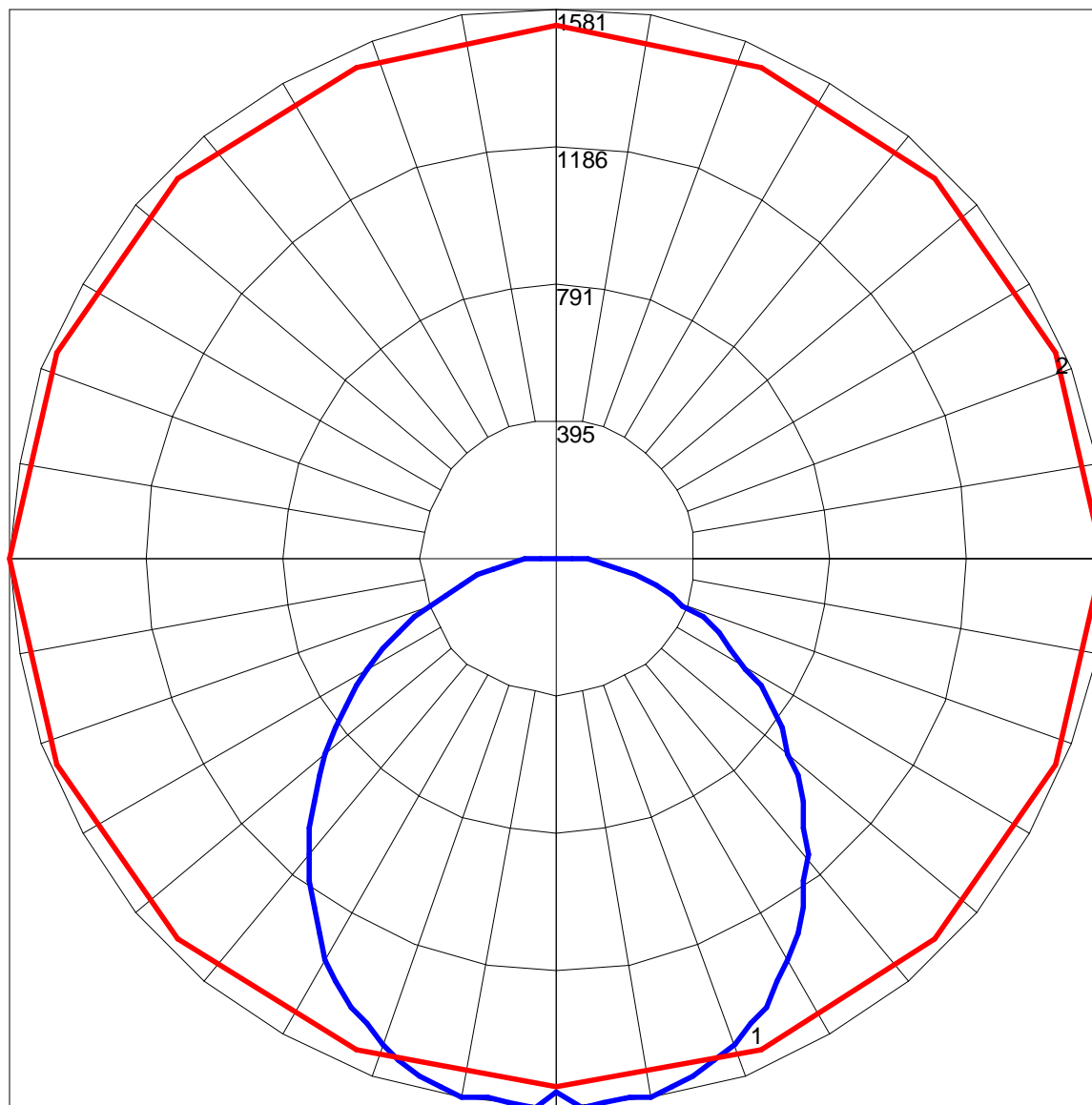
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 1581.37 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.)