



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-45L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]07/11/17
[TEST]DATE]04/28/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-LED-45L-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	4821
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	34.7
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	3741	4186	4550
55	3471	4165	4724
65	3221	4239	4862
75	2952	4218	4094
85	2726	3831	4273

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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	1521.462	1521.462	1521.462	1521.462	1521.462
2.5	1559.677	1535.793	1523.850	1509.519	1502.354
5.0	1554.900	1533.404	1523.850	1509.519	1497.577
7.5	1547.735	1528.627	1519.073	1507.131	1499.965
10.0	1547.735	1523.850	1516.685	1507.131	1497.577
12.5	1531.016	1509.519	1507.131	1499.965	1492.800
15.0	1514.296	1495.188	1497.577	1497.577	1488.023
17.5	1495.188	1478.469	1480.858	1485.635	1480.858
20.0	1464.138	1452.196	1459.361	1468.915	1466.527
22.5	1433.088	1425.923	1437.865	1454.584	1452.196
25.0	1402.038	1394.872	1416.369	1435.476	1435.476
27.5	1359.045	1359.045	1387.707	1413.980	1418.757
30.0	1313.664	1323.218	1356.657	1390.095	1397.261
32.5	1263.506	1275.448	1320.829	1361.434	1368.599
35.0	1215.736	1232.456	1285.002	1335.160	1344.714
37.5	1158.413	1179.909	1242.010	1299.333	1311.275
40.0	1105.866	1129.751	1201.405	1263.506	1277.837
42.5	1041.377	1070.039	1151.247	1218.125	1237.233
45.0	984.054	1012.715	1101.089	1177.521	1196.628
47.5	921.953	960.169	1053.320	1136.916	1158.413
50.0	859.853	900.457	998.385	1086.758	1105.866
52.5	800.141	843.133	948.227	1034.212	1060.485
55.0	740.429	783.421	888.515	981.665	1007.939
57.5	680.717	728.486	838.356	929.119	955.392
60.0	623.393	671.163	778.644	869.407	898.068
62.5	561.293	609.062	721.321	809.695	831.191
65.0	506.358	551.739	666.386	749.983	764.314
67.5	444.257	489.638	604.285	668.774	675.940
70.0	386.934	439.480	542.185	585.178	578.012
72.5	336.776	389.322	477.696	499.192	487.250
75.0	284.229	336.776	406.042	403.653	394.099
77.5	234.071	289.006	331.999	322.445	308.114
80.0	181.524	229.294	253.179	243.625	238.848
82.5	131.366	174.359	186.301	183.913	183.913
85.0	88.374	117.036	124.201	131.366	138.532
87.5	45.381	59.712	59.712	64.489	66.877
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	568.04	N.A.	11.80
0-30	1220.75	N.A.	25.30
0-40	2022.45	N.A.	42.00
0-60	3658.71	N.A.	75.90
0-80	4691.5	N.A.	97.30
0-90	4820.52	N.A.	100.00
10-90	4675.35	N.A.	97.00
20-40	1454.41	N.A.	30.20
20-50	2300.72	N.A.	47.70
40-70	2275.32	N.A.	47.20
60-80	1032.79	N.A.	21.40
70-80	393.73	N.A.	8.20
80-90	129.02	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	4820.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	145.17
10-20	422.86
20-30	652.71
30-40	801.70
40-50	846.31
50-60	789.95
60-70	639.06
70-80	393.73
80-90	129.02
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

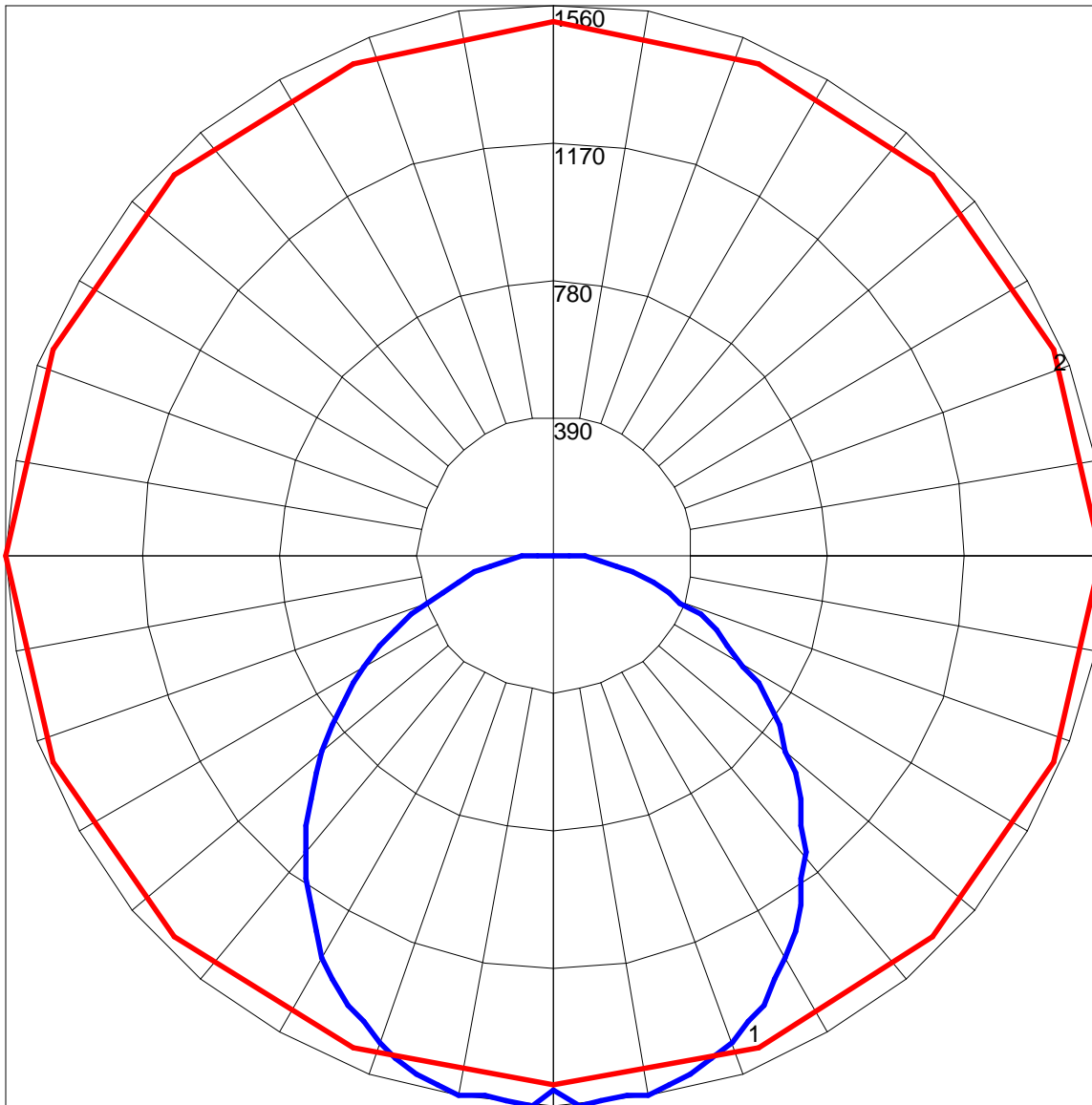
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1559.677 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.)