



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-40L-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
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-LED-40L-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	4303
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	32.7
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	3340	3737	4062
55	3098	3718	4218
65	2876	3784	4341
75	2636	3765	3655
85	2434	3420	3815

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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	1358.269	1358.269	1358.269	1358.269	1358.269
2.5	1392.385	1371.062	1360.401	1347.607	1341.210
5.0	1388.121	1368.930	1360.401	1347.607	1336.946
7.5	1381.724	1364.666	1356.136	1345.475	1339.078
10.0	1381.724	1360.401	1354.004	1345.475	1336.946
12.5	1366.798	1347.607	1345.475	1339.078	1332.681
15.0	1351.872	1334.813	1336.946	1336.946	1328.417
17.5	1334.813	1319.887	1322.020	1326.284	1322.020
20.0	1307.094	1296.432	1302.829	1311.358	1309.226
22.5	1279.374	1272.977	1283.639	1298.565	1296.432
25.0	1251.654	1245.257	1264.448	1281.506	1281.506
27.5	1213.273	1213.273	1238.860	1262.316	1266.580
30.0	1172.759	1181.289	1211.141	1240.993	1247.390
32.5	1127.981	1138.643	1179.156	1215.405	1221.802
35.0	1085.336	1100.262	1147.172	1191.950	1200.479
37.5	1034.161	1053.351	1108.791	1159.966	1170.627
40.0	987.250	1008.573	1072.542	1127.981	1140.775
42.5	929.678	955.266	1027.764	1087.468	1104.526
45.0	878.503	904.091	982.986	1051.219	1068.277
47.5	823.064	857.181	940.340	1014.970	1034.161
50.0	767.624	803.873	891.297	970.192	987.250
52.5	714.317	752.698	846.519	923.282	946.737
55.0	661.010	699.391	793.212	876.371	899.826
57.5	607.703	650.348	748.434	829.461	852.916
60.0	556.528	599.173	695.127	776.154	801.741
62.5	501.088	543.734	643.952	722.846	742.037
65.0	452.045	492.559	594.909	669.539	682.333
67.5	396.606	437.119	539.469	597.041	603.438
70.0	345.431	392.341	484.030	522.411	516.014
72.5	300.653	347.563	426.458	445.649	434.987
75.0	253.742	300.653	362.489	360.357	351.828
77.5	208.964	258.007	296.388	287.859	275.065
80.0	162.054	204.700	226.023	217.494	213.229
82.5	117.276	155.657	166.319	164.186	164.186
85.0	78.895	104.482	110.879	117.276	123.673
87.5	40.514	53.307	53.307	57.572	59.704
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	507.11	N.A.	11.80
0-30	1089.81	N.A.	25.30
0-40	1805.52	N.A.	42.00
0-60	3266.27	N.A.	75.90
0-80	4188.29	N.A.	97.30
0-90	4303.47	N.A.	100.00
10-90	4173.87	N.A.	97.00
20-40	1298.41	N.A.	30.20
20-50	2053.94	N.A.	47.70
40-70	2031.27	N.A.	47.20
60-80	922.01	N.A.	21.40
70-80	351.50	N.A.	8.20
80-90	115.18	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	4303.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.60
10-20	377.51
20-30	582.70
30-40	715.71
40-50	755.53
50-60	705.22
60-70	570.52
70-80	351.50
80-90	115.18
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

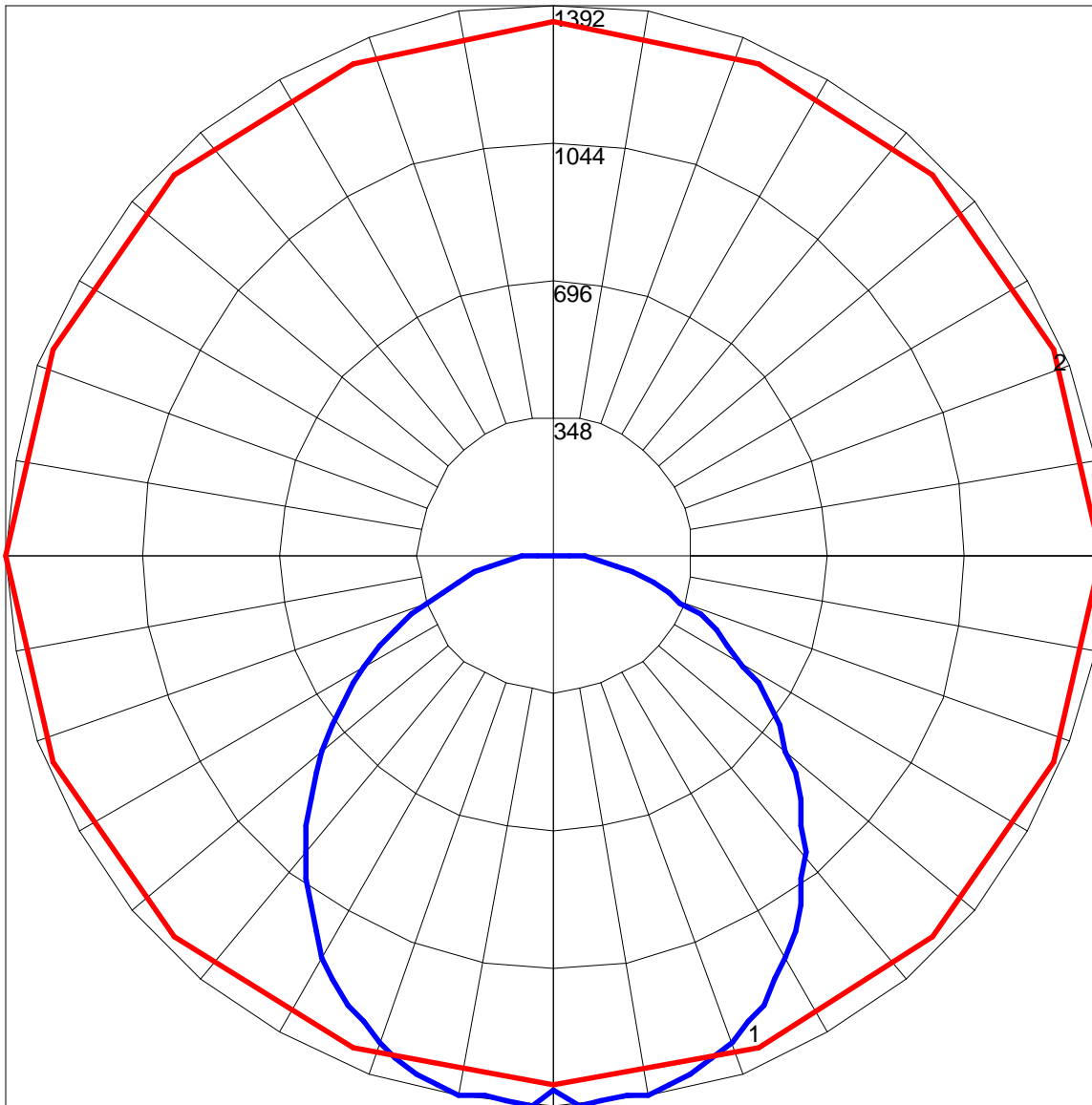
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1392.385 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.)