



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-50L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8855  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]05/01/17  
[TEST DATE]05/01/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC14-LED-50L-40  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5069
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
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	3905	4407	4802
55	3633	4397	4978
65	3378	4447	5096
75	3085	4467	4300
85	2869	4072	4442

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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>
<b>0.0</b>	1593	1593	1593	1593	1593
<b>2.5</b>	1629	1606	1594	1582	1571
<b>5.0</b>	1629	1606	1594	1583	1572
<b>7.5</b>	1624	1601	1591	1581	1571
<b>10.0</b>	1614	1593	1586	1578	1569
<b>12.5</b>	1601	1581	1577	1573	1565
<b>15.0</b>	1583	1566	1565	1565	1559
<b>17.5</b>	1559	1545	1550	1555	1551
<b>20.0</b>	1532	1522	1532	1543	1540
<b>22.5</b>	1500	1493	1509	1526	1526
<b>25.0</b>	1464	1461	1484	1507	1510
<b>27.5</b>	1422	1425	1456	1485	1491
<b>30.0</b>	1377	1385	1424	1461	1467
<b>32.5</b>	1326	1340	1388	1432	1441
<b>35.0</b>	1273	1291	1348	1401	1413
<b>37.5</b>	1217	1239	1305	1366	1380
<b>40.0</b>	1157	1183	1260	1328	1345
<b>42.5</b>	1096	1126	1211	1286	1305
<b>45.0</b>	1027	1066	1159	1242	1263
<b>47.5</b>	964	1006	1107	1195	1218
<b>50.0</b>	902	945	1051	1144	1170
<b>52.5</b>	838	885	995	1090	1118
<b>55.0</b>	775	823	938	1035	1062
<b>57.5</b>	713	763	878	976	1002
<b>60.0</b>	651	702	819	916	942
<b>62.5</b>	591	641	759	855	877
<b>65.0</b>	531	580	699	787	801
<b>67.5</b>	466	519	638	711	714
<b>70.0</b>	409	463	575	624	618
<b>72.5</b>	352	408	504	526	517
<b>75.0</b>	297	354	430	428	414
<b>77.5</b>	243	301	349	338	323
<b>80.0</b>	192	246	271	259	252
<b>82.5</b>	142	184	197	195	195
<b>85.0</b>	93	125	132	141	144
<b>87.5</b>	47	66	73	77	77
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	594.63	N.A.	11.70
0-30	1279.2	N.A.	25.20
0-40	2120.98	N.A.	41.80
0-60	3841.17	N.A.	75.80
0-80	4929.95	N.A.	97.30
0-90	5068.61	N.A.	100.00
10-90	4916.58	N.A.	97.00
20-40	1526.34	N.A.	30.10
20-50	2416.34	N.A.	47.70
40-70	2393.71	N.A.	47.20
60-80	1088.78	N.A.	21.50
70-80	415.25	N.A.	8.20
80-90	138.66	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	5068.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	152.02
10-20	442.61
20-30	684.57
30-40	841.78
40-50	890.00
50-60	830.19
60-70	673.53
70-80	415.25
80-90	138.66
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

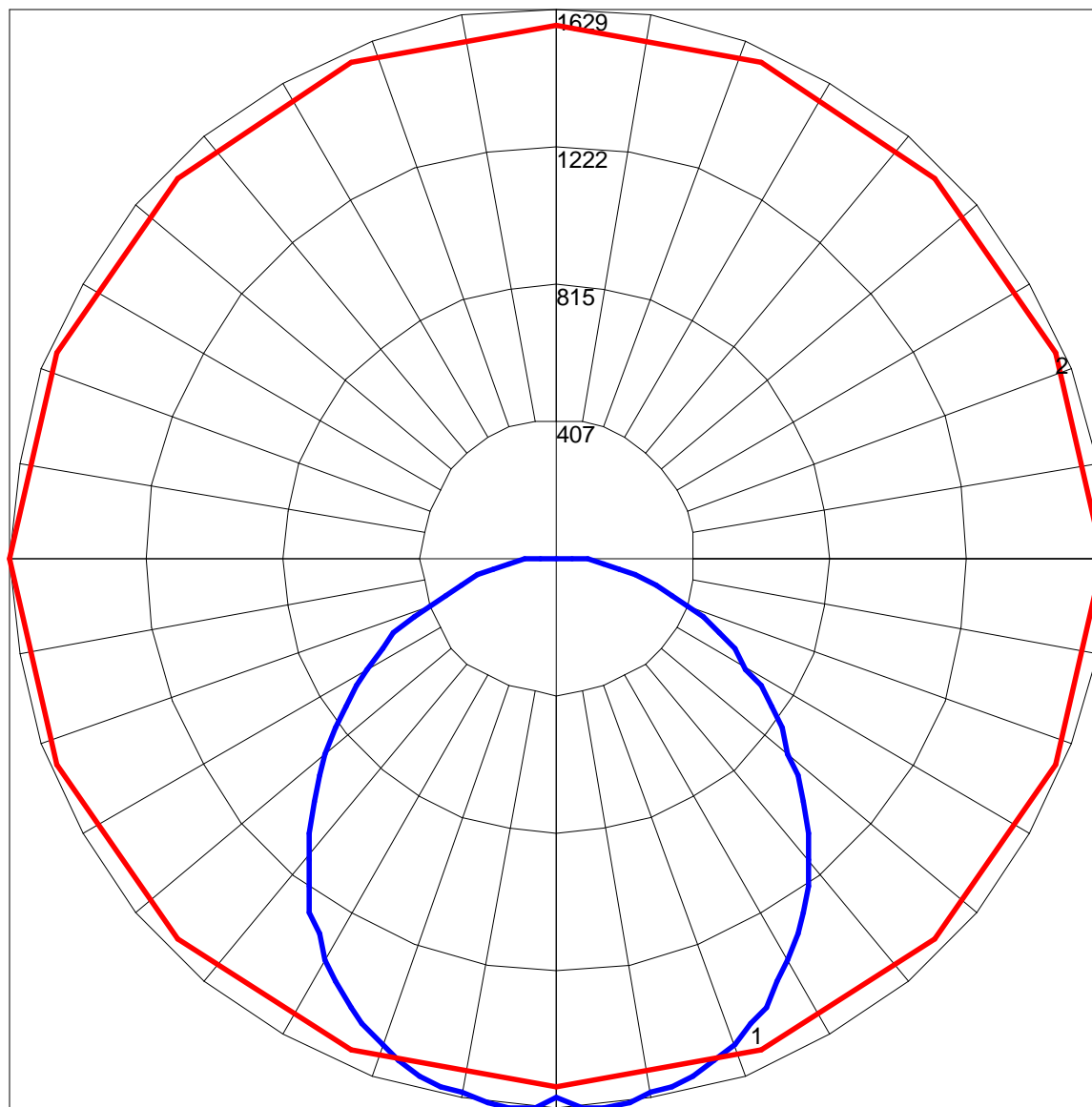
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	96	93	96	93	90	92	90	87	89	86	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	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	51	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	43	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	41	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	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 1629 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.)