



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-45L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8853  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]05/01/17  
[TEST DATE]05/01/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC14-LED-45L-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	4520
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
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	3486	3928	4285
55	3248	3923	4434
65	2990	3957	4561
75	2773	3989	3823
85	2529	3671	4041

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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>	1420	1420	1420	1420	1420
<b>2.5</b>	1451	1432	1420	1409	1399
<b>5.0</b>	1451	1431	1420	1410	1400
<b>7.5</b>	1446	1428	1418	1409	1400
<b>10.0</b>	1438	1420	1413	1406	1397
<b>12.5</b>	1426	1409	1405	1401	1393
<b>15.0</b>	1410	1395	1395	1394	1388
<b>17.5</b>	1391	1377	1381	1385	1381
<b>20.0</b>	1367	1357	1366	1375	1372
<b>22.5</b>	1339	1332	1346	1360	1360
<b>25.0</b>	1306	1303	1323	1343	1344
<b>27.5</b>	1270	1272	1298	1324	1328
<b>30.0</b>	1229	1234	1269	1302	1308
<b>32.5</b>	1183	1193	1236	1276	1284
<b>35.0</b>	1137	1150	1202	1249	1260
<b>37.5</b>	1084	1104	1164	1218	1231
<b>40.0</b>	1028	1052	1122	1184	1199
<b>42.5</b>	973	1002	1079	1147	1164
<b>45.0</b>	917	951	1033	1106	1127
<b>47.5</b>	862	898	988	1065	1085
<b>50.0</b>	805	844	939	1019	1040
<b>52.5</b>	749	790	887	971	994
<b>55.0</b>	693	736	837	922	946
<b>57.5</b>	638	679	785	872	895
<b>60.0</b>	578	624	730	818	842
<b>62.5</b>	524	570	676	764	784
<b>65.0</b>	470	516	622	704	717
<b>67.5</b>	418	465	569	632	635
<b>70.0</b>	367	414	513	553	545
<b>72.5</b>	316	365	450	470	454
<b>75.0</b>	267	316	384	382	368
<b>77.5</b>	218	267	312	303	291
<b>80.0</b>	171	219	242	233	227
<b>82.5</b>	124	167	176	176	177
<b>85.0</b>	82	113	119	125	131
<b>87.5</b>	43	61	66	68	71
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	529.83	N.A.	11.70
0-30	1140.21	N.A.	25.20
0-40	1890.42	N.A.	41.80
0-60	3424.35	N.A.	75.80
0-80	4395.3	N.A.	97.20
0-90	4519.91	N.A.	100.00
10-90	4384.45	N.A.	97.00
20-40	1360.58	N.A.	30.10
20-50	2153.92	N.A.	47.70
40-70	2134.27	N.A.	47.20
60-80	970.95	N.A.	21.50
70-80	370.61	N.A.	8.20
80-90	124.61	N.A.	2.80
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	4519.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	135.46
10-20	394.37
20-30	610.38
30-40	750.21
40-50	793.34
50-60	740.59
60-70	600.35
70-80	370.61
80-90	124.61
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

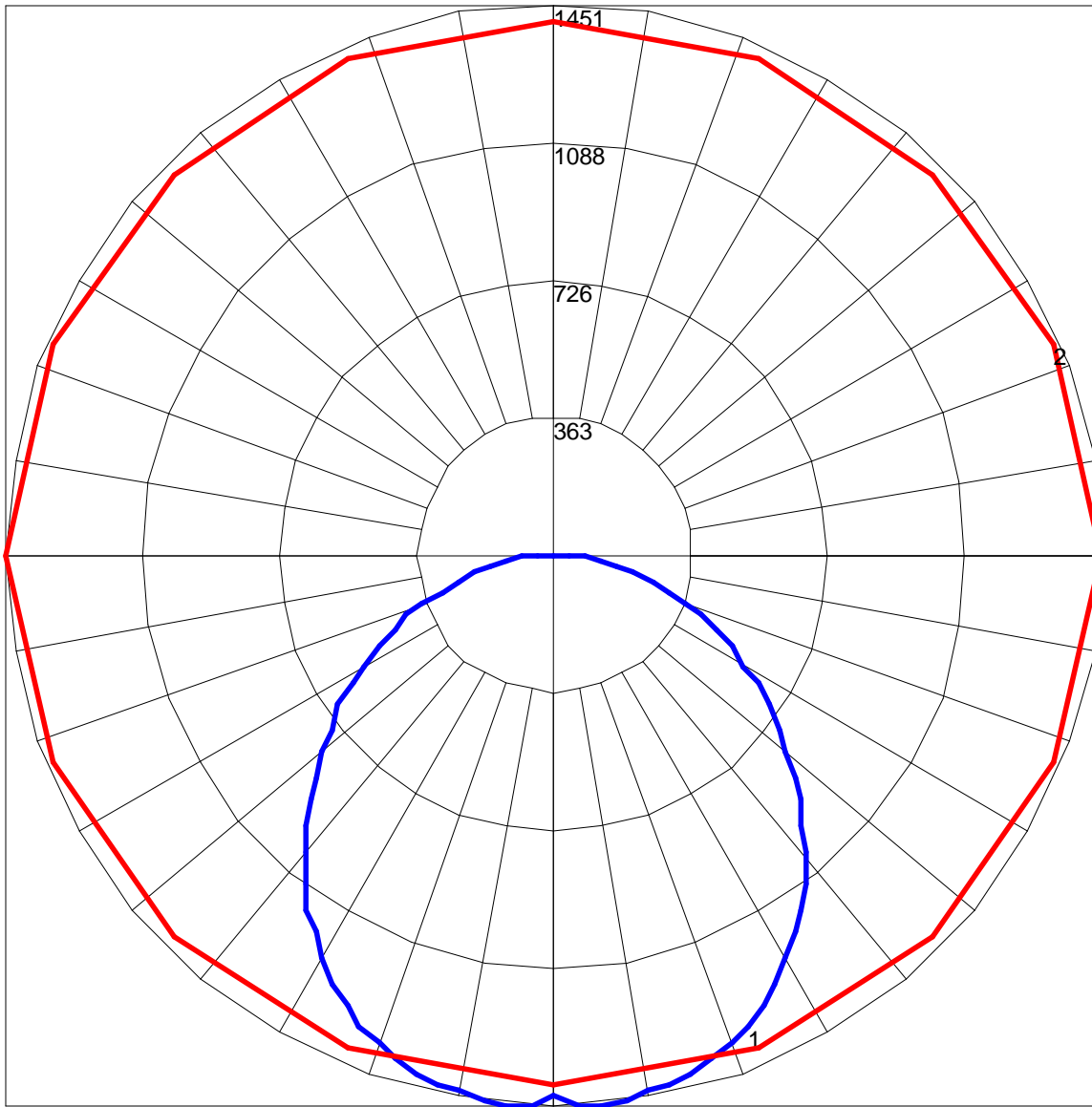
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	57	45	36	30	43	36	30	42	35	30	41	34	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 = 1451 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.)