



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC22-LED-50L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-8808\_scaled  
[TESTLAB] LSI INDUSTRIES, INC  
[ISSUE DATE] 05/07/19  
[TEST DATE] 04/21/17  
[MANUFACTURER] LSI INDUSTRIES, INC  
[LUMEN CATEGORY] LPASC22-LED-50L-40  
[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	5012
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	41
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.98 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3553	4224	4876
55	3303	4279	5299
65	3066	4515	5963
75	2800	5155	7754
85	2268	5890	6930

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**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	1474	1474	1474	1474	1474
<b>2.5</b>	1507	1495	1476	1457	1450
<b>5.0</b>	1505	1493	1476	1459	1452
<b>7.5</b>	1500	1488	1474	1462	1455
<b>10.0</b>	1488	1481	1471	1462	1459
<b>12.5</b>	1474	1467	1464	1462	1459
<b>15.0</b>	1452	1450	1455	1459	1462
<b>17.5</b>	1428	1428	1443	1455	1462
<b>20.0</b>	1399	1404	1428	1450	1457
<b>22.5</b>	1363	1375	1409	1440	1450
<b>25.0</b>	1328	1344	1387	1428	1443
<b>27.5</b>	1287	1306	1361	1411	1431
<b>30.0</b>	1239	1265	1332	1395	1416
<b>32.5</b>	1189	1222	1299	1368	1397
<b>35.0</b>	1136	1174	1258	1342	1375
<b>37.5</b>	1083	1126	1220	1313	1349
<b>40.0</b>	1026	1074	1177	1280	1320
<b>42.5</b>	970	1023	1133	1246	1289
<b>45.0</b>	915	970	1088	1210	1256
<b>47.5</b>	858	915	1040	1169	1222
<b>50.0</b>	800	860	992	1131	1186
<b>52.5</b>	743	803	944	1090	1148
<b>55.0</b>	690	748	894	1050	1107
<b>57.5</b>	630	693	843	1004	1064
<b>60.0</b>	578	640	793	956	1021
<b>62.5</b>	522	585	743	908	970
<b>65.0</b>	472	532	695	855	918
<b>67.5</b>	419	482	642	805	870
<b>70.0</b>	367	429	589	755	834
<b>72.5</b>	314	376	537	712	800
<b>75.0</b>	264	326	486	654	731
<b>77.5</b>	211	278	439	599	673
<b>80.0</b>	163	228	379	496	518
<b>82.5</b>	117	177	295	352	367
<b>85.0</b>	72	117	187	211	220
<b>87.5</b>	34	48	81	105	122
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	552.08	N.A.	11.00
0-30	1190.87	N.A.	23.80
0-40	1978.09	N.A.	39.50
0-60	3620.36	N.A.	72.20
0-80	4824.2	N.A.	96.30
0-90	5011.97	N.A.	100.00
10-90	4871.17	N.A.	97.20
20-40	1426.01	N.A.	28.50
20-50	2265.76	N.A.	45.20
40-70	2330.44	N.A.	46.50
60-80	1203.84	N.A.	24.00
70-80	515.66	N.A.	10.30
80-90	187.78	N.A.	3.70
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	5011.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	140.80
10-20	411.28
20-30	638.79
30-40	787.23
40-50	839.75
50-60	802.52
60-70	688.18
70-80	515.66
80-90	187.78
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

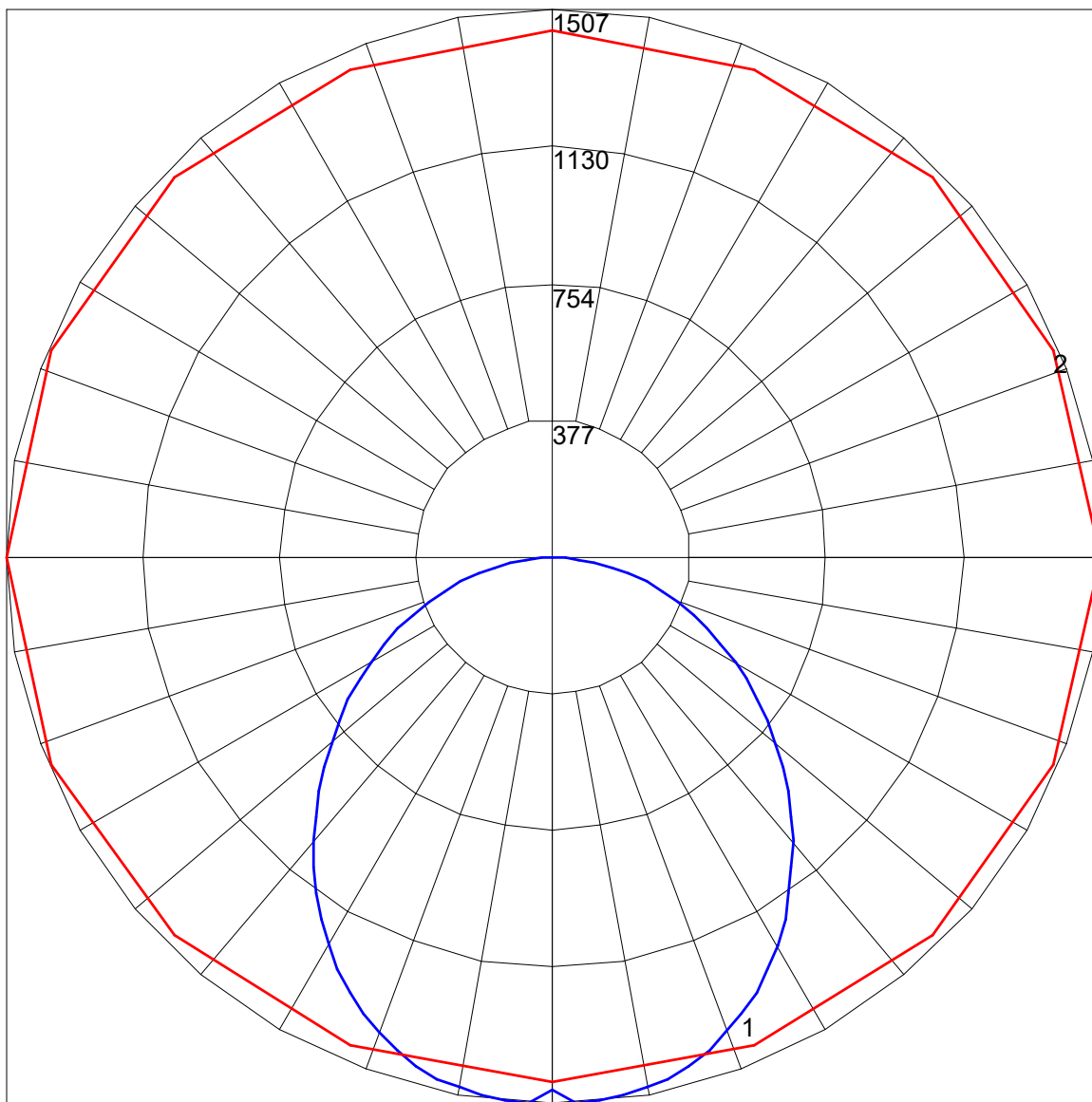
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	107	102	97	92	104	99	95	91	95	91	88	91	88	85	87	85	83	81
2	97	87	80	74	94	86	79	73	82	76	71	79	74	69	75	71	68	65
3	88	76	67	60	85	74	66	60	71	64	59	69	63	57	66	61	56	54
4	80	67	58	50	77	66	57	50	63	55	49	61	54	49	58	53	48	46
5	73	60	50	43	71	58	49	43	56	48	42	54	47	42	52	46	41	39
6	67	53	44	37	65	52	44	37	51	43	37	49	42	36	47	41	36	34
7	62	48	39	33	61	47	39	33	46	38	32	44	37	32	43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	29	41	34	29	39	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	23	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 1507 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.)