



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC22-LED-60L-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-60L-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	6017
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	49
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	4267	5071	5851
55	3963	5136	6361
65	3683	5418	7159
75	3352	6195	9303
85	2709	7056	8347

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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	1769	1769	1769	1769	1769
2.5	1809	1795	1772	1749	1740
5.0	1807	1792	1772	1752	1743
7.5	1801	1786	1769	1755	1746
10.0	1786	1778	1766	1755	1752
12.5	1769	1761	1758	1755	1752
15.0	1743	1740	1746	1752	1755
17.5	1714	1714	1732	1746	1755
20.0	1680	1686	1714	1740	1749
22.5	1637	1651	1691	1729	1740
25.0	1594	1614	1666	1714	1732
27.5	1545	1568	1634	1694	1717
30.0	1487	1519	1599	1674	1700
32.5	1427	1467	1559	1643	1677
35.0	1364	1410	1510	1611	1651
37.5	1300	1352	1464	1576	1620
40.0	1231	1289	1412	1536	1585
42.5	1165	1228	1361	1496	1548
45.0	1099	1165	1306	1453	1507
47.5	1030	1099	1248	1404	1467
50.0	961	1033	1191	1358	1424
52.5	892	964	1133	1309	1378
55.0	828	898	1073	1260	1329
57.5	757	831	1013	1205	1277
60.0	693	768	952	1148	1225
62.5	627	702	892	1090	1165
65.0	567	639	834	1027	1102
67.5	503	578	771	967	1044
70.0	440	515	708	906	1001
72.5	377	452	644	854	961
75.0	316	391	584	785	877
77.5	253	334	526	719	808
80.0	196	273	455	595	621
82.5	141	213	354	423	440
85.0	86	141	224	253	265
87.5	40	58	98	127	147
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	662.70	N.A.	11.00
0-30	1429.58	N.A.	23.80
0-40	2374.59	N.A.	39.50
0-60	4346.21	N.A.	72.20
0-80	5791.26	N.A.	96.30
0-90	6016.82	N.A.	100.00
10-90	5847.8	N.A.	97.20
20-40	1711.89	N.A.	28.50
20-50	2720.12	N.A.	45.20
40-70	2797.8	N.A.	46.50
60-80	1445.05	N.A.	24.00
70-80	618.87	N.A.	10.30
80-90	225.56	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	6016.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	169.02
10-20	493.69
20-30	766.88
30-40	945.01
40-50	1008.23
50-60	963.38
60-70	826.19
70-80	618.87
80-90	225.56
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

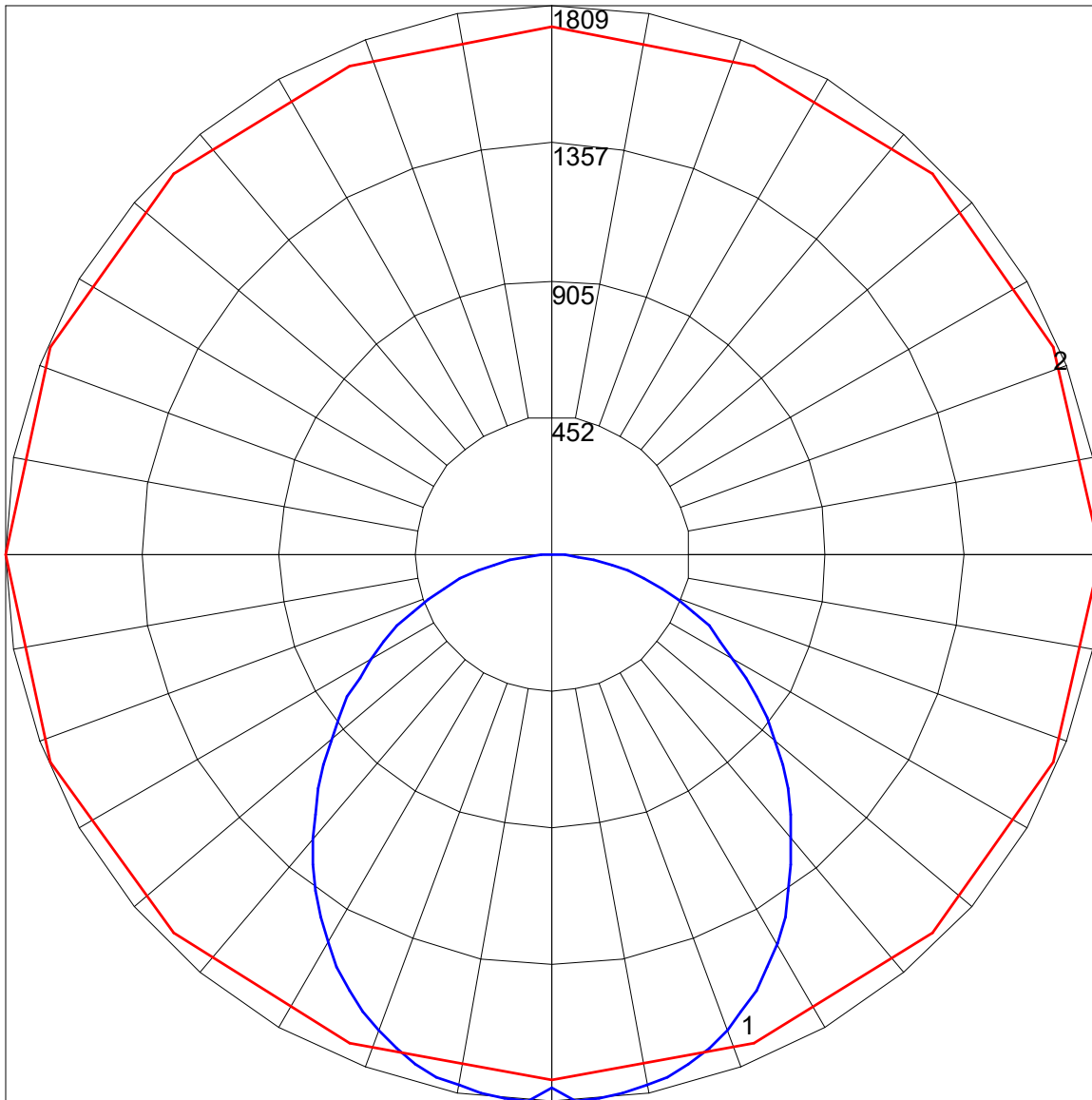
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1809 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.)