



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC22-LED-60L-30.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-30  
[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	5609
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	3976	4725	5455
55	3695	4786	5930
65	3430	5054	6671
75	3129	5770	8677
85	2520	6583	7780

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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	1649	1649	1649	1649	1649
2.5	1687	1673	1652	1630	1622
5.0	1684	1671	1652	1633	1625
7.5	1679	1665	1649	1636	1628
10.0	1665	1657	1647	1636	1633
12.5	1649	1641	1638	1636	1633
15.0	1625	1622	1628	1633	1636
17.5	1598	1598	1614	1628	1636
20.0	1566	1571	1598	1622	1630
22.5	1526	1539	1577	1612	1622
25.0	1486	1504	1553	1598	1614
27.5	1440	1461	1523	1579	1601
30.0	1386	1416	1491	1561	1585
32.5	1330	1368	1453	1531	1563
35.0	1271	1314	1408	1502	1539
37.5	1212	1260	1365	1470	1510
40.0	1148	1201	1317	1432	1478
42.5	1086	1145	1268	1394	1443
45.0	1024	1086	1217	1354	1405
47.5	960	1024	1164	1309	1368
50.0	896	963	1110	1266	1327
52.5	831	898	1057	1220	1285
55.0	772	837	1000	1175	1239
57.5	705	775	944	1124	1191
60.0	646	716	888	1070	1142
62.5	585	654	831	1016	1086
65.0	528	595	778	957	1027
67.5	469	539	719	901	973
70.0	410	480	660	845	933
72.5	351	421	601	796	896
75.0	295	365	544	732	818
77.5	236	311	491	670	754
80.0	182	255	424	555	579
82.5	131	198	330	394	410
85.0	80	131	209	236	247
87.5	38	54	91	118	137
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	617.75	N.A.	11.00
0-30	1332.61	N.A.	23.80
0-40	2213.59	N.A.	39.50
0-60	4051.5	N.A.	72.20
0-80	5398.61	N.A.	96.30
0-90	5608.76	N.A.	100.00
10-90	5451.2	N.A.	97.20
20-40	1595.83	N.A.	28.50
20-50	2535.64	N.A.	45.20
40-70	2608.00	N.A.	46.50
60-80	1347.1	N.A.	24.00
70-80	577.02	N.A.	10.30
80-90	210.16	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	5608.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	157.56
10-20	460.19
20-30	714.86
30-40	880.98
40-50	939.80
50-60	898.12
60-70	770.09
70-80	577.02
80-90	210.16
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

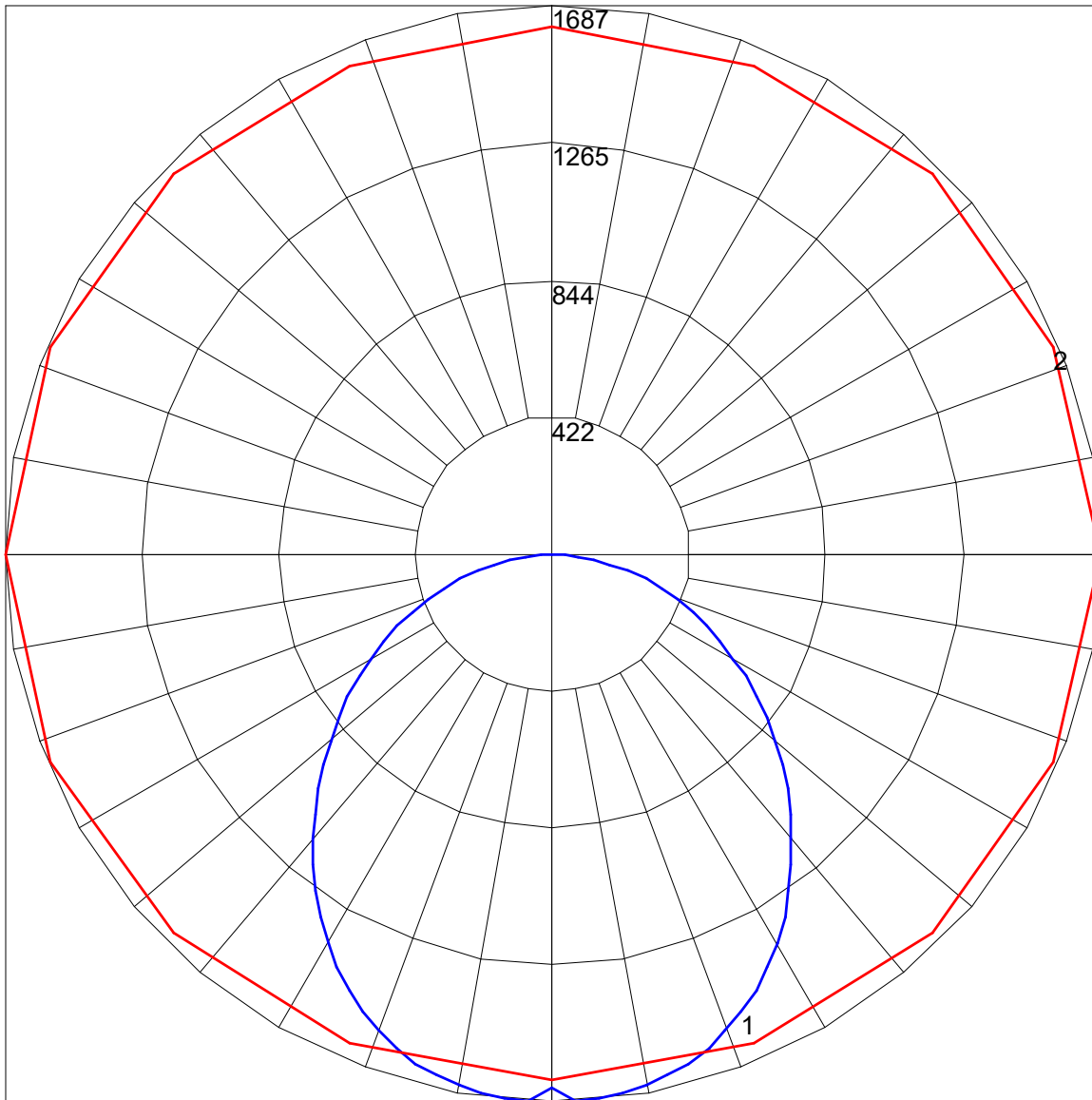
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1687 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.)