



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-55L-50.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

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPASC22-LED-55L-50

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5729
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	45
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	4061	4830	5571
55	3776	4892	6055
65	3508	5158	6814
75	3193	5898	8857
85	2583	6741	7938

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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	1684	1684	1684	1684	1684
2.5	1723	1709	1687	1665	1657
5.0	1720	1706	1687	1668	1660
7.5	1715	1701	1684	1671	1663
10.0	1701	1693	1682	1671	1668
12.5	1684	1676	1674	1671	1668
15.0	1660	1657	1663	1668	1671
17.5	1632	1632	1649	1663	1671
20.0	1600	1605	1632	1657	1665
22.5	1558	1572	1611	1646	1657
25.0	1517	1537	1586	1632	1649
27.5	1471	1493	1556	1613	1635
30.0	1416	1446	1523	1594	1619
32.5	1359	1397	1485	1564	1597
35.0	1298	1342	1438	1534	1572
37.5	1238	1287	1394	1501	1542
40.0	1172	1227	1345	1463	1509
42.5	1109	1170	1296	1424	1474
45.0	1046	1109	1244	1383	1435
47.5	981	1046	1189	1337	1397
50.0	915	983	1134	1293	1356
52.5	849	918	1079	1246	1312
55.0	789	855	1022	1200	1265
57.5	720	792	964	1148	1216
60.0	660	731	907	1093	1167
62.5	597	668	849	1038	1109
65.0	540	608	794	978	1049
67.5	479	551	734	920	994
70.0	419	490	674	863	953
72.5	359	430	614	813	915
75.0	301	373	556	748	835
77.5	241	318	501	685	770
80.0	186	260	433	567	592
82.5	134	203	337	403	419
85.0	82	134	214	241	252
87.5	38	55	93	121	140
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	631.01	N.A.	11.00
0-30	1361.21	N.A.	23.80
0-40	2261.03	N.A.	39.50
0-60	4138.4	N.A.	72.20
0-80	5514.42	N.A.	96.30
0-90	5729.21	N.A.	100.00
10-90	5568.28	N.A.	97.20
20-40	1630.02	N.A.	28.50
20-50	2590.04	N.A.	45.20
40-70	2663.96	N.A.	46.50
60-80	1376.01	N.A.	24.00
70-80	589.43	N.A.	10.30
80-90	214.80	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	5729.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	160.93
10-20	470.08
20-30	730.20
30-40	899.82
40-50	960.02
50-60	917.35
60-70	786.59
70-80	589.43
80-90	214.80
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

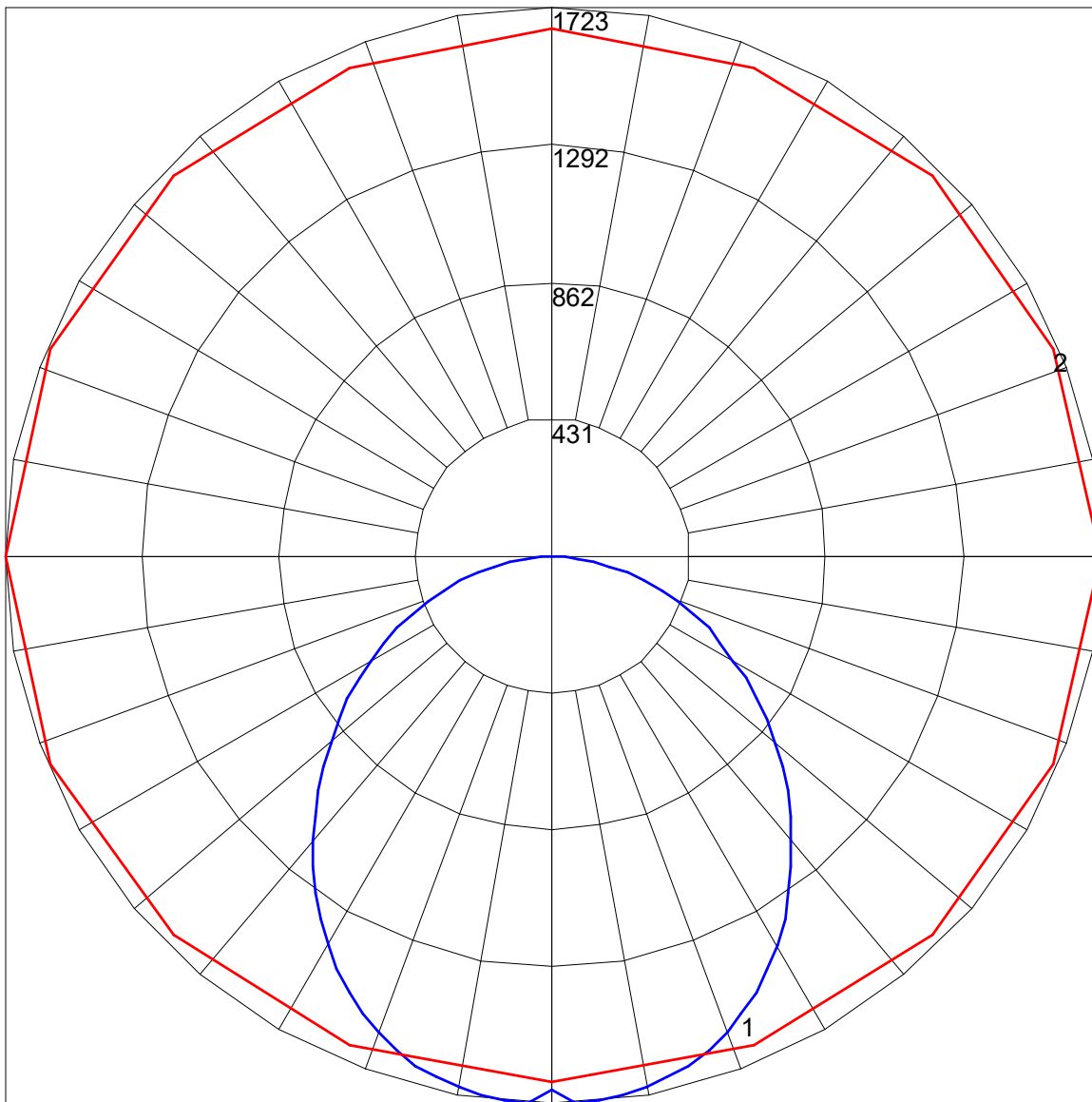
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	88	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 = 1723 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.)