



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-55L-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

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPASC22-LED-55L-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_SOURCETYPE] LED

[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5528
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	3921	4659	5377
55	3642	4719	5844
65	3384	4976	6574
75	3087	5696	8549
85	2488	6489	7654

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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	1625	1625	1625	1625	1625
2.5	1662	1649	1628	1607	1599
5.0	1660	1647	1628	1610	1602
7.5	1654	1641	1625	1612	1604
10.0	1641	1633	1623	1612	1610
12.5	1625	1617	1615	1612	1610
15.0	1602	1599	1604	1610	1612
17.5	1575	1575	1591	1604	1612
20.0	1543	1549	1575	1599	1607
22.5	1504	1517	1554	1588	1599
25.0	1464	1483	1530	1575	1591
27.5	1419	1440	1501	1557	1578
30.0	1366	1395	1469	1538	1562
32.5	1311	1348	1432	1509	1541
35.0	1253	1295	1388	1480	1517
37.5	1195	1242	1345	1448	1488
40.0	1131	1184	1298	1411	1456
42.5	1070	1129	1250	1374	1422
45.0	1010	1070	1200	1335	1385
47.5	946	1010	1147	1290	1348
50.0	883	949	1094	1247	1308
52.5	819	885	1041	1203	1266
55.0	761	825	986	1158	1221
57.5	695	764	930	1107	1173
60.0	637	706	875	1055	1126
62.5	576	645	819	1002	1070
65.0	521	587	766	944	1012
67.5	463	531	708	888	959
70.0	404	473	650	833	920
72.5	346	415	592	785	883
75.0	291	359	537	722	806
77.5	233	307	484	661	743
80.0	180	251	418	547	571
82.5	130	196	325	389	404
85.0	79	130	206	233	243
87.5	37	53	90	116	135
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	608.85	N.A.	11.00
0-30	1313.39	N.A.	23.80
0-40	2181.59	N.A.	39.50
0-60	3993.00	N.A.	72.20
0-80	5320.91	N.A.	96.30
0-90	5528.21	N.A.	100.00
10-90	5372.93	N.A.	97.20
20-40	1572.75	N.A.	28.40
20-50	2499.06	N.A.	45.20
40-70	2570.47	N.A.	46.50
60-80	1327.91	N.A.	24.00
70-80	568.85	N.A.	10.30
80-90	207.30	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	5528.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	155.28
10-20	453.56
20-30	704.54
30-40	868.21
40-50	926.31
50-60	885.09
60-70	759.06
70-80	568.85
80-90	207.30
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

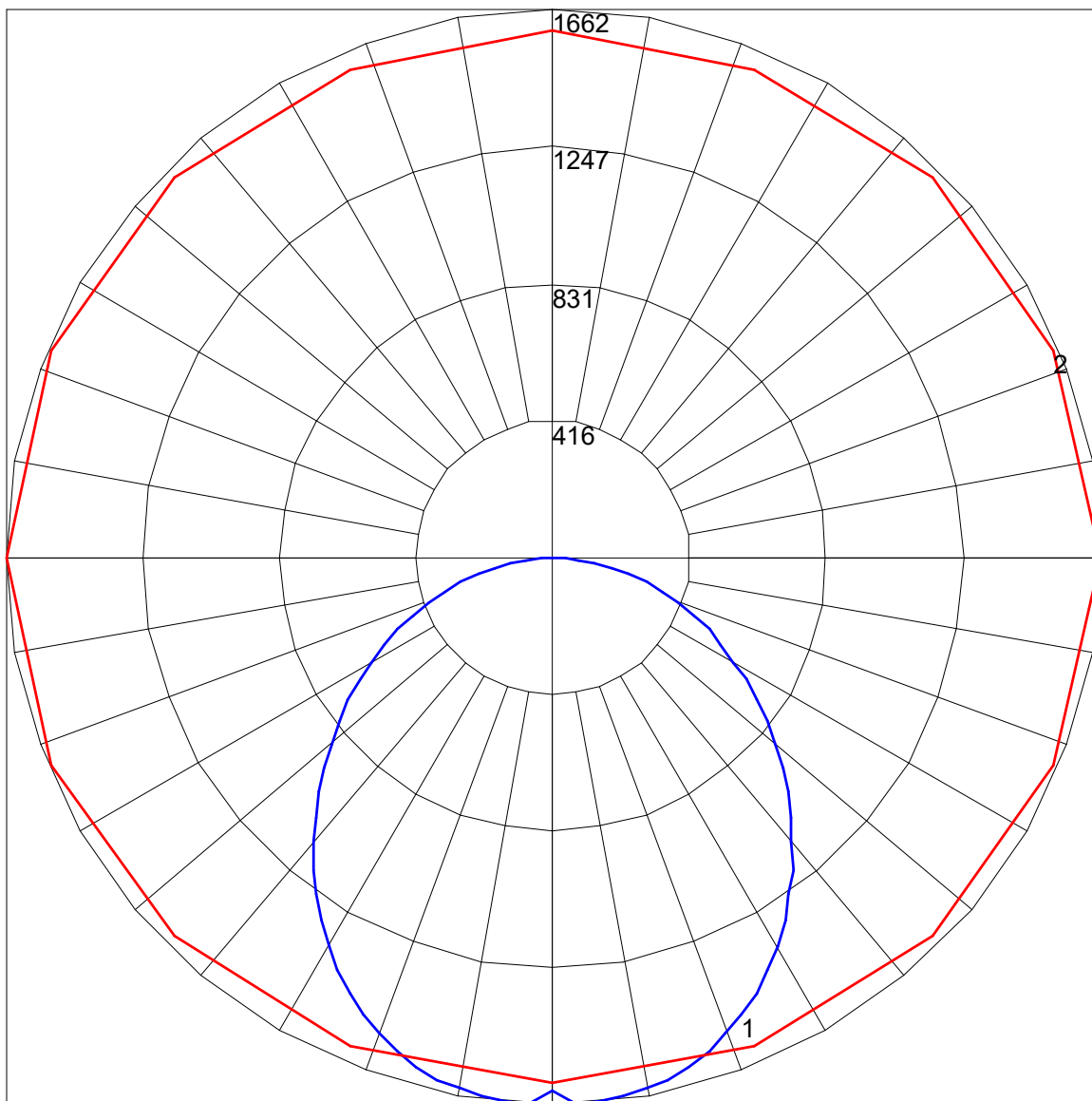
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1662 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.)