



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-55L-35.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8808\_scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUEDATE] 05/07/19

[TESTDATE] 04/21/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPASC22-LED-55L-35

[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	5437
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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	3855	4581	5288
55	3585	4643	5748
65	3326	4898	6470
75	3034	5601	8412
85	2457	6394	7528

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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>	1599	1599	1599	1599	1599
<b>2.5</b>	1635	1622	1601	1580	1573
<b>5.0</b>	1632	1619	1601	1583	1575
<b>7.5</b>	1627	1614	1599	1586	1578
<b>10.0</b>	1614	1606	1596	1586	1583
<b>12.5</b>	1599	1591	1588	1586	1583
<b>15.0</b>	1575	1573	1578	1583	1586
<b>17.5</b>	1549	1549	1565	1578	1586
<b>20.0</b>	1518	1523	1549	1573	1580
<b>22.5</b>	1479	1492	1528	1562	1573
<b>25.0</b>	1440	1458	1505	1549	1565
<b>27.5</b>	1396	1417	1476	1531	1552
<b>30.0</b>	1344	1372	1445	1513	1536
<b>32.5</b>	1289	1326	1409	1484	1515
<b>35.0</b>	1232	1274	1365	1456	1492
<b>37.5</b>	1175	1222	1323	1424	1463
<b>40.0</b>	1113	1165	1276	1388	1432
<b>42.5</b>	1053	1110	1230	1352	1398
<b>45.0</b>	993	1053	1180	1313	1362
<b>47.5</b>	931	993	1128	1269	1326
<b>50.0</b>	868	933	1076	1227	1287
<b>52.5</b>	806	871	1024	1183	1245
<b>55.0</b>	749	811	970	1139	1201
<b>57.5</b>	684	751	915	1089	1154
<b>60.0</b>	626	694	860	1037	1107
<b>62.5</b>	567	634	806	985	1053
<b>65.0</b>	512	577	754	928	996
<b>67.5</b>	455	522	697	873	944
<b>70.0</b>	398	465	639	819	905
<b>72.5</b>	341	408	582	772	868
<b>75.0</b>	286	354	528	710	793
<b>77.5</b>	229	302	476	650	730
<b>80.0</b>	177	247	411	538	561
<b>82.5</b>	127	192	320	382	398
<b>85.0</b>	78	127	203	229	239
<b>87.5</b>	36	52	88	114	133
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	598.85	N.A.	11.00
0-30	1291.79	N.A.	23.80
0-40	2145.74	N.A.	39.50
0-60	3927.41	N.A.	72.20
0-80	5233.36	N.A.	96.30
0-90	5437.07	N.A.	100.00
10-90	5284.34	N.A.	97.20
20-40	1546.89	N.A.	28.50
20-50	2458.01	N.A.	45.20
40-70	2528.18	N.A.	46.50
60-80	1305.95	N.A.	24.00
70-80	559.44	N.A.	10.30
80-90	203.71	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	5437.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	152.73
10-20	446.12
20-30	692.94
30-40	853.95
40-50	911.13
50-60	870.54
60-70	746.51
70-80	559.44
80-90	203.71
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

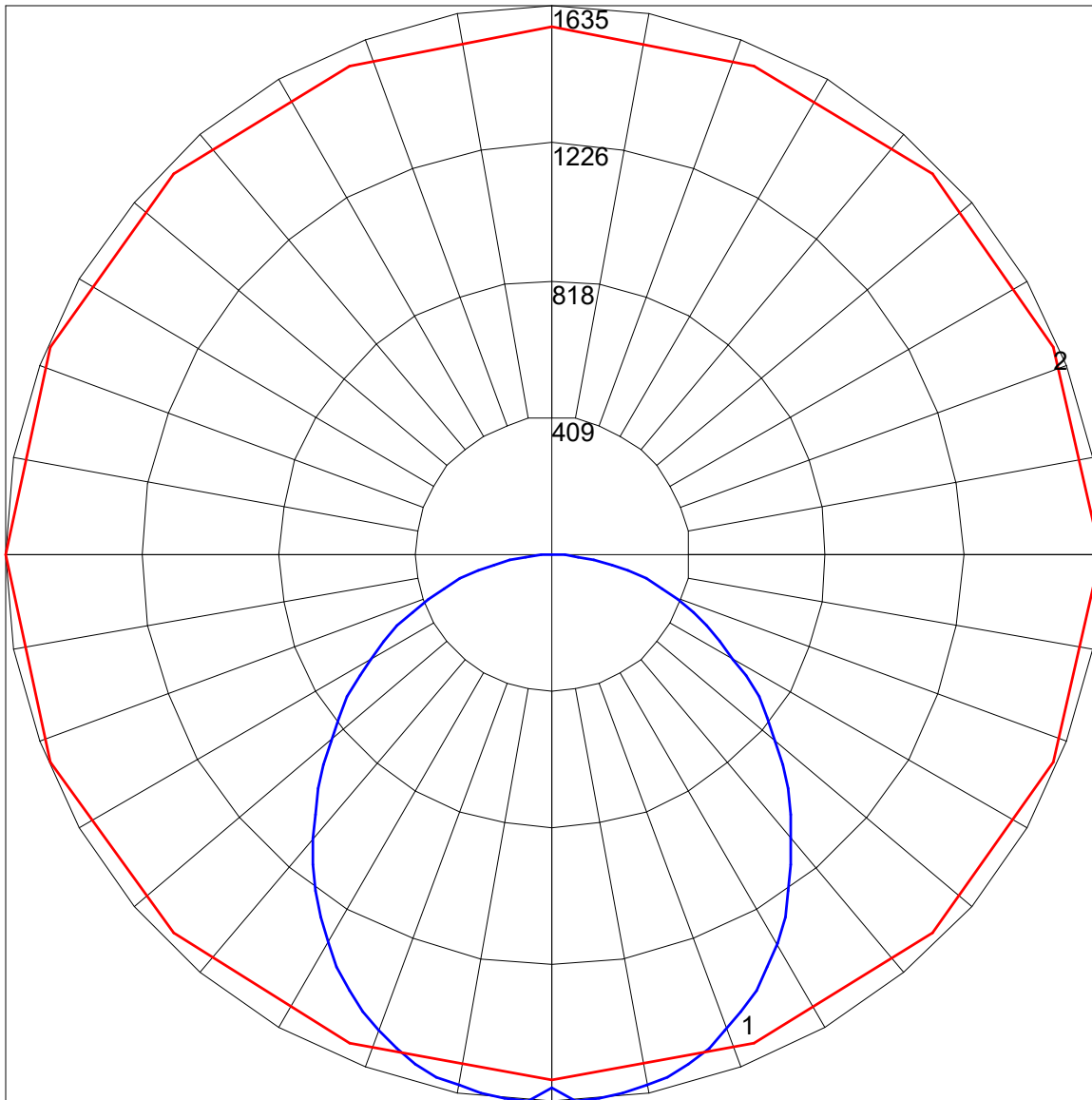
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1635 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.)