



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-55L-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

[MANUFAC] LSI INDUSTRIES, INC

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

[SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5153
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	3653	4345	5012
55	3398	4399	5447
65	3151	4638	6132
75	2875	5304	7966
85	2331	6048	7150

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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	1515	1515	1515	1515	1515
2.5	1550	1537	1518	1498	1491
5.0	1547	1535	1518	1500	1493
7.5	1542	1530	1515	1503	1495
10.0	1530	1523	1513	1503	1500
12.5	1515	1508	1505	1503	1500
15.0	1493	1491	1495	1500	1503
17.5	1468	1468	1483	1495	1503
20.0	1439	1444	1468	1491	1498
22.5	1402	1414	1449	1481	1491
25.0	1365	1382	1426	1468	1483
27.5	1323	1343	1399	1451	1471
30.0	1274	1301	1370	1434	1456
32.5	1222	1256	1335	1407	1436
35.0	1168	1207	1293	1380	1414
37.5	1114	1158	1254	1350	1387
40.0	1054	1104	1210	1316	1357
42.5	998	1052	1165	1281	1325
45.0	941	998	1119	1244	1291
47.5	882	941	1069	1202	1256
50.0	823	884	1020	1163	1220
52.5	764	825	971	1121	1180
55.0	710	769	919	1079	1138
57.5	648	712	867	1032	1094
60.0	594	658	815	983	1050
62.5	537	601	764	934	998
65.0	485	547	714	880	944
67.5	431	495	660	828	894
70.0	377	441	606	776	857
72.5	323	387	552	732	823
75.0	271	335	500	673	751
77.5	217	286	451	616	692
80.0	168	234	389	510	532
82.5	121	182	303	362	377
85.0	74	121	192	217	227
87.5	34	49	84	108	126
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	567.56	N.A.	11.00
0-30	1224.37	N.A.	23.80
0-40	2033.73	N.A.	39.50
0-60	3722.23	N.A.	72.20
0-80	4959.97	N.A.	96.30
0-90	5153.07	N.A.	100.00
10-90	5008.31	N.A.	97.20
20-40	1466.17	N.A.	28.50
20-50	2329.61	N.A.	45.20
40-70	2396.06	N.A.	46.50
60-80	1237.74	N.A.	24.00
70-80	530.18	N.A.	10.30
80-90	193.10	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	5153.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	144.76
10-20	422.80
20-30	656.81
30-40	809.36
40-50	863.44
50-60	825.06
60-70	707.56
70-80	530.18
80-90	193.10
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

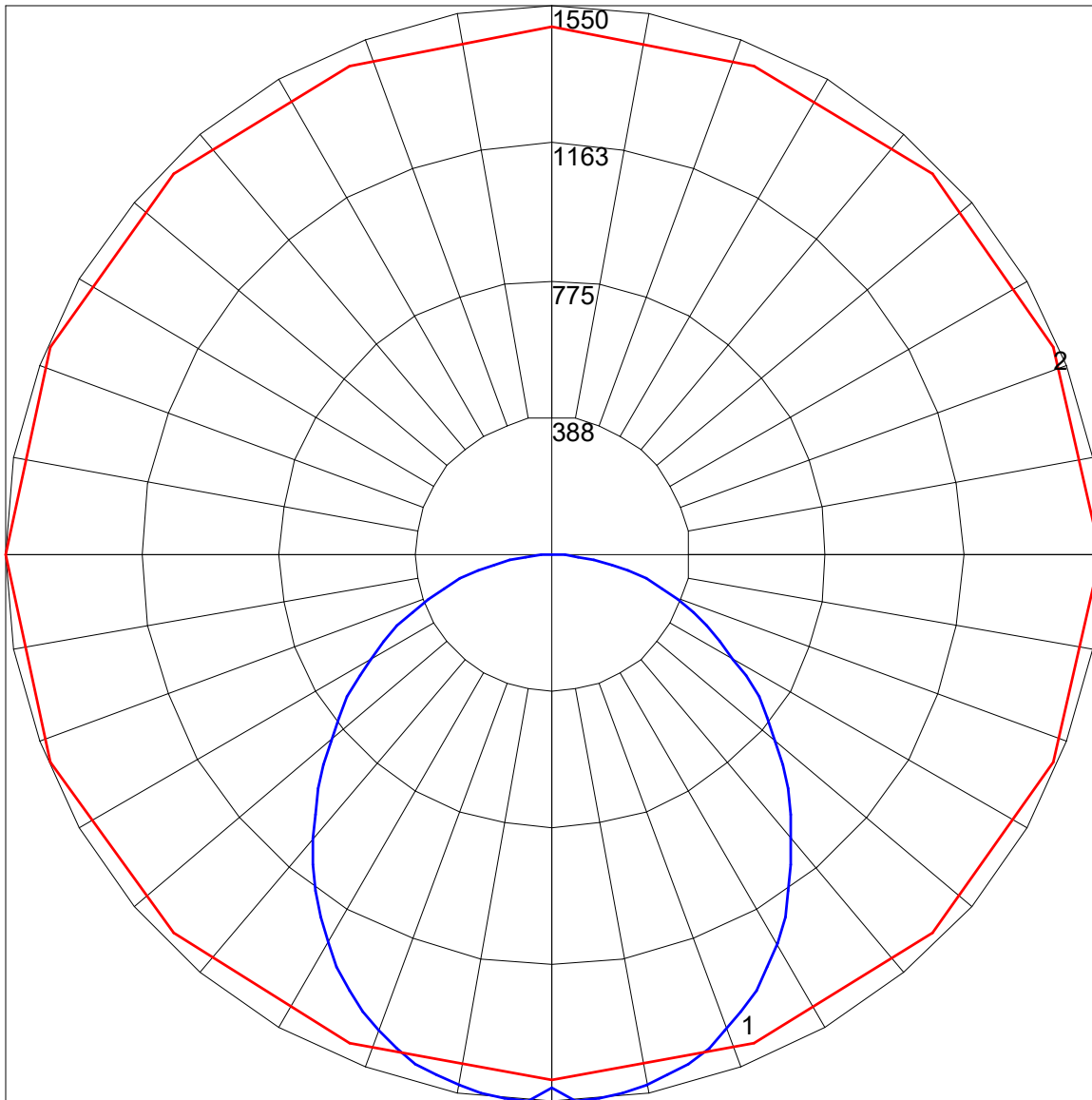
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1550 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.)