



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-50L-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-50L-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	4929
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	41
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	3494	4154	4795
55	3250	4207	5212
65	3014	4437	5866
75	2747	5070	7627
85	2236	5796	6835

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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	1449	1449	1449	1449	1449
2.5	1482	1471	1452	1433	1426
5.0	1480	1468	1452	1435	1428
7.5	1475	1463	1449	1438	1430
10.0	1463	1456	1447	1438	1435
12.5	1449	1442	1440	1438	1435
15.0	1428	1426	1430	1435	1438
17.5	1405	1405	1419	1430	1438
20.0	1376	1381	1405	1426	1433
22.5	1341	1353	1386	1416	1426
25.0	1306	1322	1364	1405	1419
27.5	1265	1284	1339	1388	1407
30.0	1218	1244	1310	1372	1393
32.5	1169	1202	1277	1346	1374
35.0	1117	1155	1237	1320	1353
37.5	1065	1108	1200	1291	1327
40.0	1009	1056	1157	1258	1298
42.5	954	1006	1115	1225	1268
45.0	900	954	1070	1190	1235
47.5	844	900	1023	1150	1202
50.0	787	846	976	1112	1167
52.5	731	789	928	1072	1129
55.0	679	735	879	1032	1089
57.5	620	681	830	987	1046
60.0	568	629	780	940	1004
62.5	514	575	731	893	954
65.0	464	523	683	841	903
67.5	412	474	632	792	855
70.0	361	422	580	742	820
72.5	309	370	528	700	787
75.0	259	320	478	643	719
77.5	207	273	431	589	662
80.0	160	224	372	488	509
82.5	115	174	290	346	361
85.0	71	115	184	207	217
87.5	33	47	80	104	120
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	542.92	N.A.	11.00
0-30	1171.21	N.A.	23.80
0-40	1945.44	N.A.	39.50
0-60	3560.47	N.A.	72.20
0-80	4744.22	N.A.	96.30
0-90	4928.86	N.A.	100.00
10-90	4790.4	N.A.	97.20
20-40	1402.51	N.A.	28.50
20-50	2228.42	N.A.	45.20
40-70	2291.83	N.A.	46.50
60-80	1183.75	N.A.	24.00
70-80	506.95	N.A.	10.30
80-90	184.65	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	4928.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	138.46
10-20	404.46
20-30	628.28
30-40	774.23
40-50	825.90
50-60	789.13
60-70	676.80
70-80	506.95
80-90	184.65
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

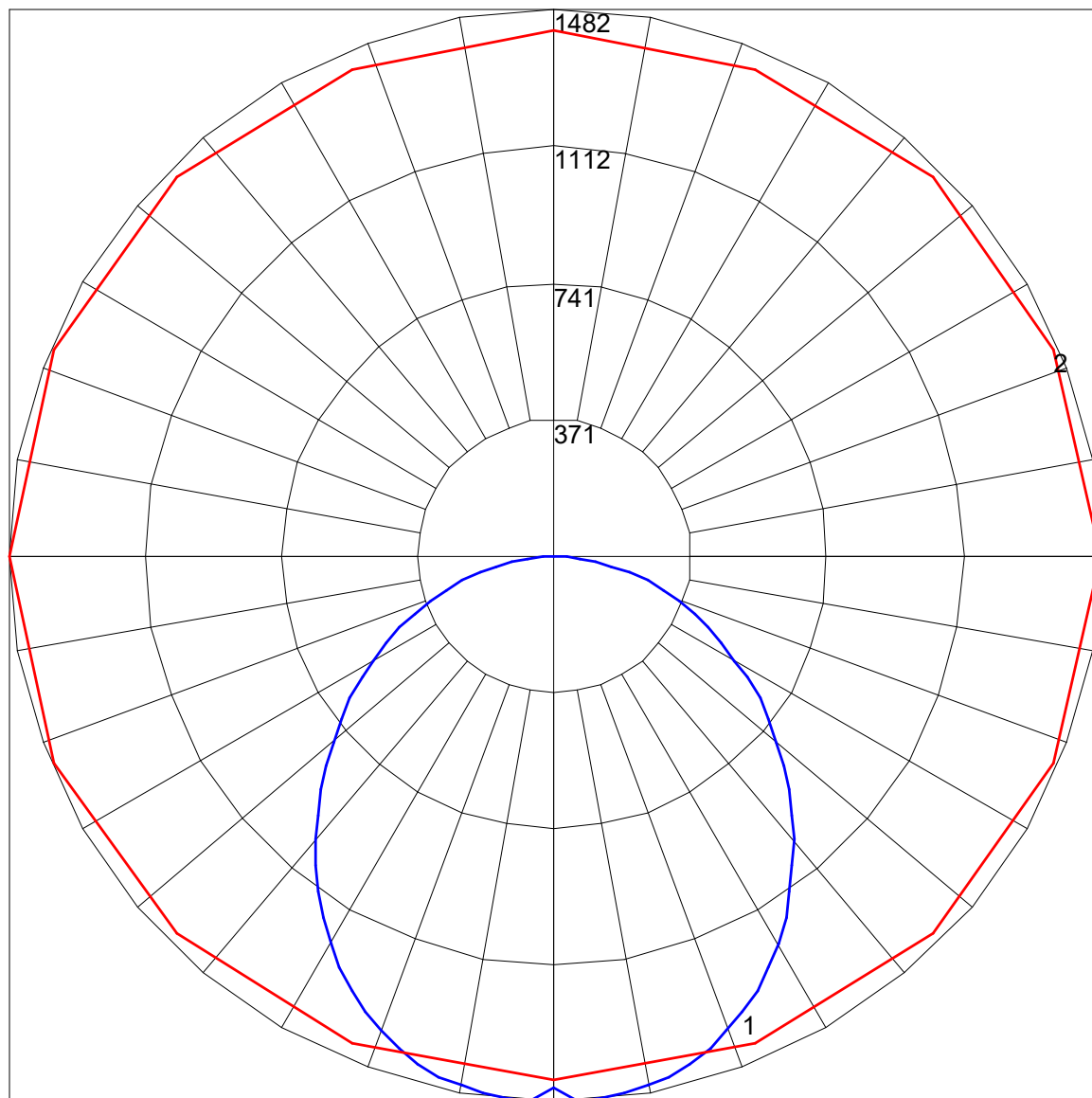
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1482 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.)