



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-50L-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-50L-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	5195
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
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	3685	4379	5051
55	3422	4432	5490
65	3177	4677	6178
75	2896	5346	8040
85	2362	6111	7213

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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	1528	1528	1528	1528	1528
2.5	1562	1550	1530	1510	1503
5.0	1560	1547	1530	1513	1505
7.5	1555	1542	1528	1515	1508
10.0	1542	1535	1525	1515	1513
12.5	1528	1520	1518	1515	1513
15.0	1505	1503	1508	1513	1515
17.5	1480	1480	1495	1508	1515
20.0	1451	1455	1480	1503	1510
22.5	1413	1426	1460	1493	1503
25.0	1376	1393	1438	1480	1495
27.5	1334	1354	1411	1463	1483
30.0	1284	1311	1381	1446	1468
32.5	1232	1267	1346	1418	1448
35.0	1177	1217	1304	1391	1426
37.5	1123	1167	1264	1361	1398
40.0	1063	1113	1220	1326	1369
42.5	1006	1061	1175	1292	1336
45.0	949	1006	1128	1254	1301
47.5	889	949	1078	1212	1267
50.0	830	892	1028	1172	1229
52.5	770	832	979	1130	1190
55.0	715	775	926	1088	1147
57.5	653	718	874	1041	1103
60.0	599	663	822	991	1058
62.5	541	606	770	941	1006
65.0	489	551	720	887	951
67.5	435	499	666	835	902
70.0	380	445	611	782	864
72.5	325	390	556	738	830
75.0	273	338	504	678	758
77.5	219	288	455	621	698
80.0	169	236	392	514	536
82.5	122	184	306	365	380
85.0	75	122	194	219	229
87.5	35	50	84	109	127
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	572.22	N.A.	11.00
0-30	1234.38	N.A.	23.80
0-40	2050.32	N.A.	39.50
0-60	3752.66	N.A.	72.20
0-80	5000.42	N.A.	96.30
0-90	5195.24	N.A.	100.00
10-90	5049.3	N.A.	97.20
20-40	1478.1	N.A.	28.50
20-50	2348.67	N.A.	45.20
40-70	2415.64	N.A.	46.50
60-80	1247.76	N.A.	24.00
70-80	534.46	N.A.	10.30
80-90	194.82	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	5195.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	145.94
10-20	426.28
20-30	662.16
30-40	815.94
40-50	870.57
50-60	831.77
60-70	713.30
70-80	534.46
80-90	194.82
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

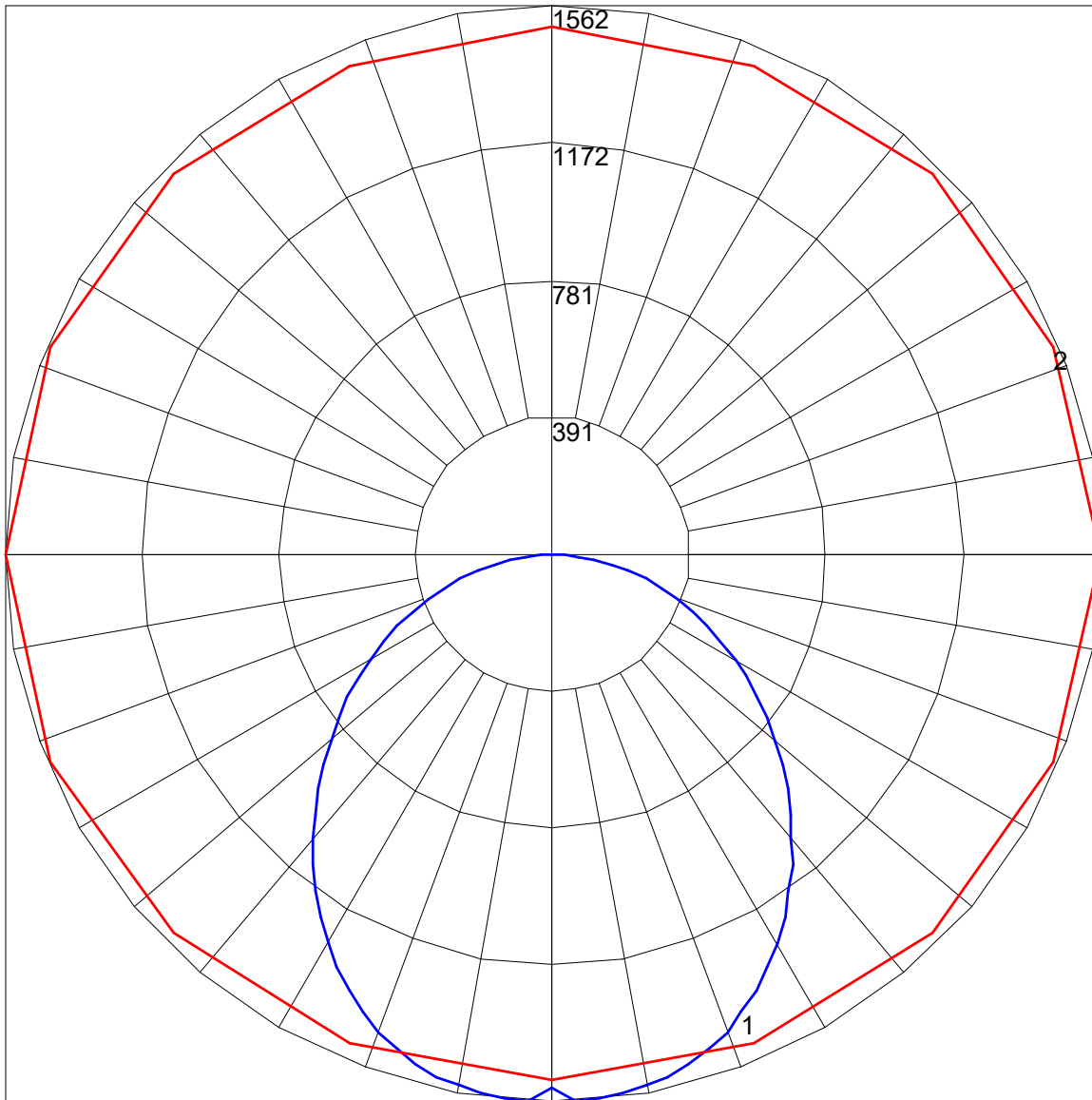
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1562 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.)