IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC22-LED-45L-40.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-45L-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	4528
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	38
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	3211	3817	4403
55	2982	3867	4786
65	2767	4080	5385
75	2525	4657	7001
85	2047	5323	6268

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	1331	1331	1331	1331	1331
2.5	1362	1351	1334	1316	1310
5.0	1360	1349	1334	1318	1312
7.5	1355	1344	1331	1321	1314
10.0	1344	1338	1329	1321	1318
12.5	1331	1325	1323	1321	1318
15.0	1312	1310	1314	1318	1321
17.5	1290	1290	1303	1314	1321
20.0	1264	1269	1290	1310	1316
22.5	1232	1243	1273	1301	1310
25.0	1199	1215	1253	1290	1303
27.5	1163	1180	1230	1275	1292
30.0	1119	1143	1204	1260	1279
32.5	1074	1104	1173	1236	1262
35.0	1026	1061	1137	1212	1243
37.5	979	1018	1102	1186	1219
40.0	927	970	1063	1156	1193
42.5	877	924	1024	1126	1165
45.0	827	877	983	1093	1134
47.5	775	827	940	1056	1104
50.0	723	777	896	1022	1072
52.5	671	725	853	985	1037
55.0	623	675	808	948	1000
57.5	569	626	762	907	961
60.0	522	578	717	864	922
62.5	472	528	671	821	877
65.0	426	481	628	773	829
67.5	379	435	580	727	786
70.0	331	388	533	682	753
72.5	284	340	485	643	723
75.0	238	294	439	591	660
77.5	191	251	396	541	608
80.0	147	206	342	448	468
82.5	106	160	266	318	331
85.0	65	106	169	191	199
87.5	30	43	74	95	110
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	498.73	N.A.	11.00
0-30	1075.89	N.A.	23.80
0-40	1787.12	N.A.	39.50
0-60	3270.83	N.A.	72.20
0-80	4358.4	N.A.	96.30
0-90	4528.05	N.A.	100.00
10-90	4400.85	N.A.	97.20
20-40	1288.39	N.A.	28.50
20-50	2047.14	N.A.	45.20
40-70	2105.51	N.A.	46.50
60-80	1087.57	N.A.	24.00
70-80	465.77	N.A.	10.30
80-90	169.65	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	4528.05	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	127.20
10-20	371.53
20-30	577.16
30-40	711.23
40-50	758.75
50-60	724.96
60-70	621.80
70-80	465.77
80-90	169.65
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	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

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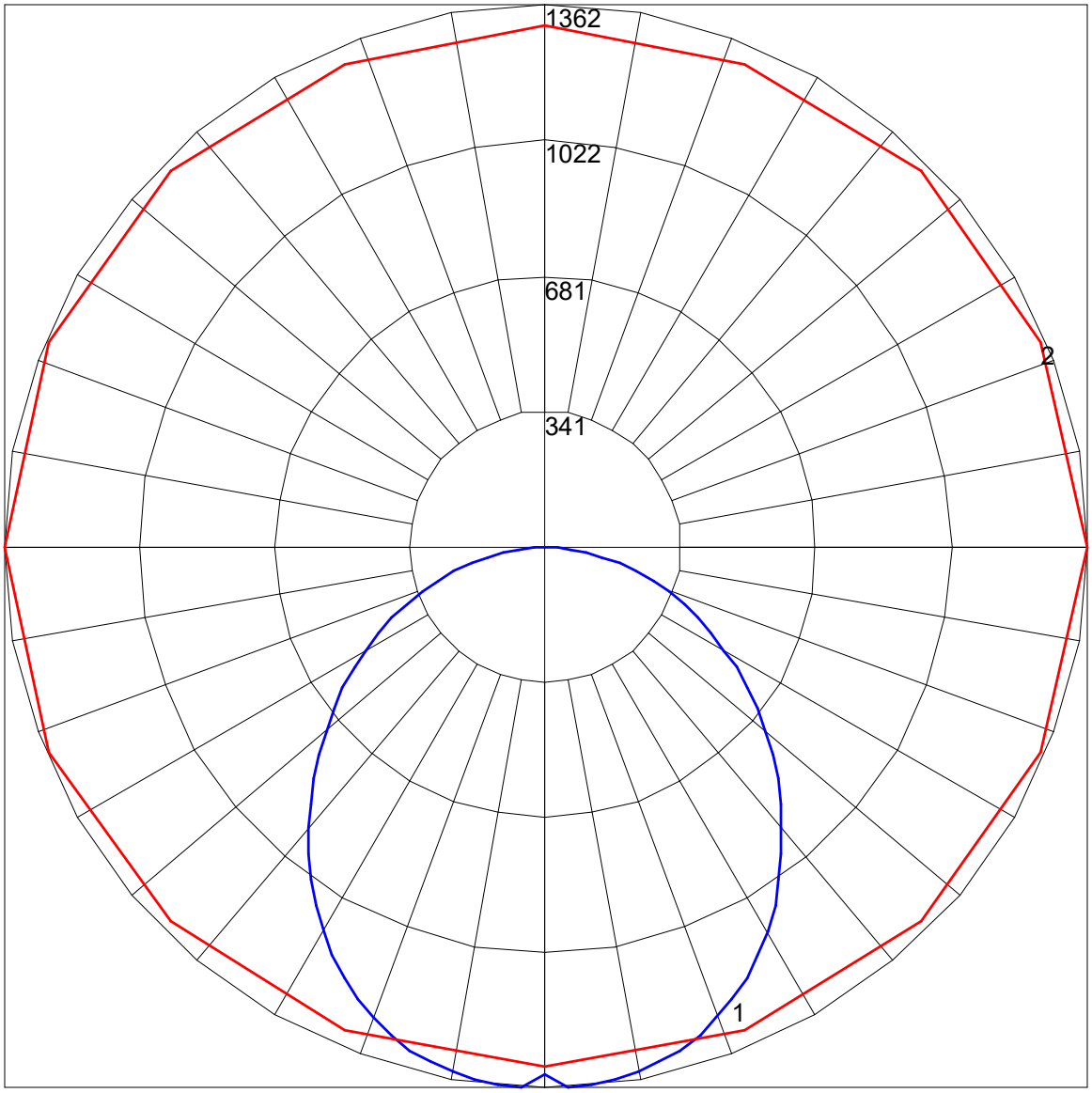
POLAR GRAPH



Maximum Candela = 1362 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.)