



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-45L-35.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-45L-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	4453
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
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	3156	3754	4333
55	2934	3800	4710
65	2722	4008	5294
75	2482	4582	6884
85	2016	5229	6174

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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	1309	1309	1309	1309	1309
2.5	1339	1329	1312	1294	1288
5.0	1337	1326	1312	1297	1290
7.5	1333	1322	1309	1299	1292
10.0	1322	1316	1307	1299	1297
12.5	1309	1303	1301	1299	1297
15.0	1290	1288	1292	1297	1299
17.5	1269	1269	1282	1292	1299
20.0	1243	1248	1269	1288	1294
22.5	1211	1222	1252	1280	1288
25.0	1180	1194	1233	1269	1282
27.5	1143	1160	1209	1254	1271
30.0	1101	1124	1184	1239	1258
32.5	1056	1086	1154	1216	1241
35.0	1009	1043	1118	1192	1222
37.5	962	1001	1084	1167	1199
40.0	911	954	1045	1137	1173
42.5	862	909	1007	1107	1145
45.0	813	862	967	1075	1116
47.5	762	813	924	1039	1086
50.0	711	764	881	1005	1054
52.5	660	713	839	969	1020
55.0	613	664	794	933	984
57.5	560	615	749	892	945
60.0	513	568	705	849	907
62.5	464	519	660	807	862
65.0	419	473	617	760	815
67.5	373	428	571	715	773
70.0	326	381	524	671	741
72.5	279	334	477	632	711
75.0	234	290	432	581	649
77.5	187	247	390	532	598
80.0	145	202	336	441	460
82.5	104	158	262	313	326
85.0	64	104	166	187	196
87.5	30	43	72	94	109
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	490.50	N.A.	11.00
0-30	1058.09	N.A.	23.80
0-40	1757.55	N.A.	39.50
0-60	3216.61	N.A.	72.20
0-80	4286.09	N.A.	96.30
0-90	4453.02	N.A.	100.00
10-90	4327.92	N.A.	97.20
20-40	1267.05	N.A.	28.50
20-50	2013.18	N.A.	45.20
40-70	2070.47	N.A.	46.50
60-80	1069.48	N.A.	24.00
70-80	458.07	N.A.	10.30
80-90	166.93	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	4453.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.10
10-20	365.40
20-30	567.59
30-40	699.47
40-50	746.12
50-60	712.93
60-70	611.41
70-80	458.07
80-90	166.93
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

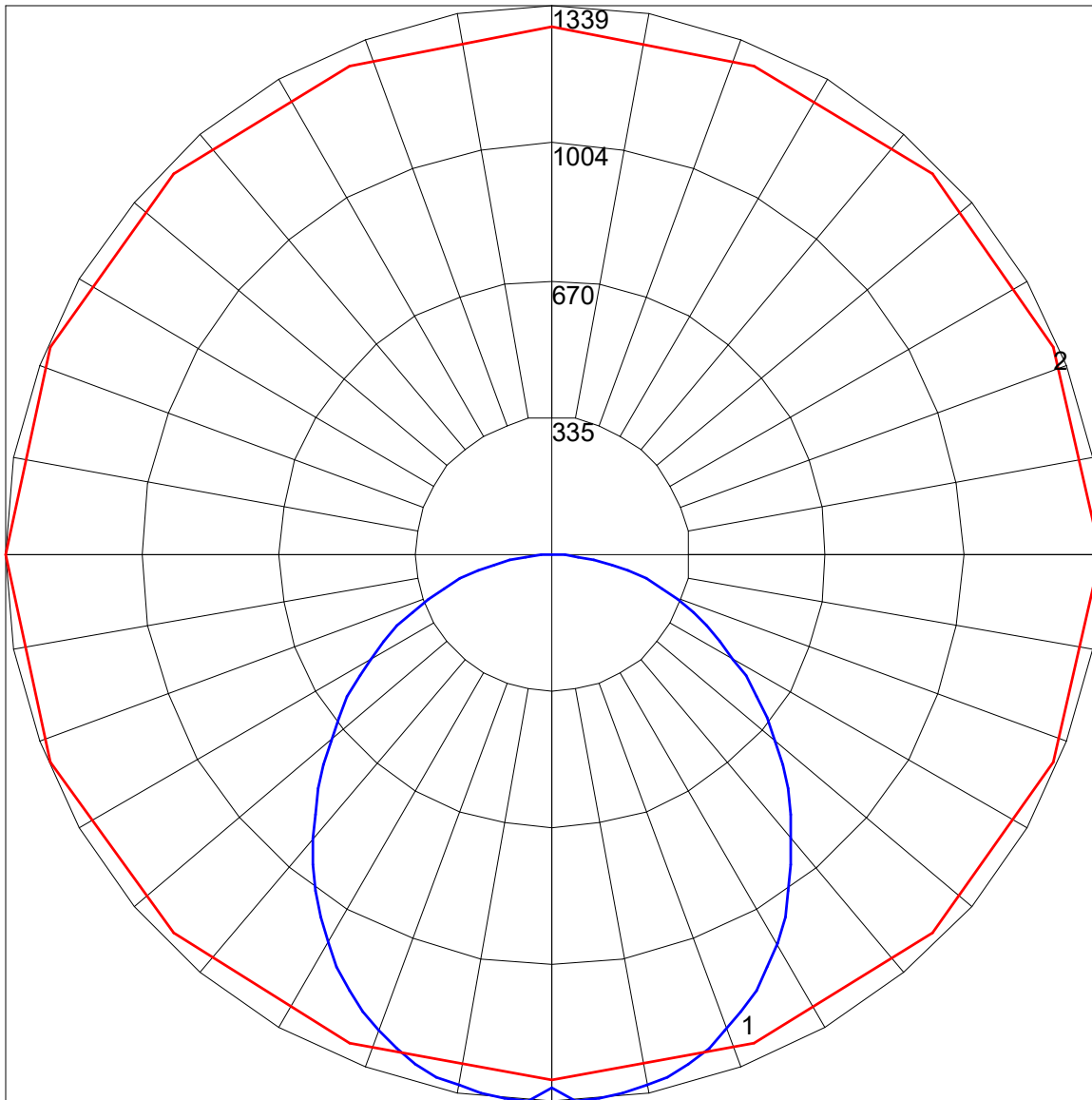
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1339 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.)