



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-45L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8825
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]04/25/17
[TEST DATE]04/25/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-LED-45L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[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)	125
Total Luminaire Watts	36.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
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	3320	3933	4504
55	3044	3973	4892
65	2702	4015	5463
75	2323	4169	6428
85	1732	4252	6552

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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	1354	1354	1354	1354	1354
2.5	1376	1369	1355	1345	1341
5.0	1373	1367	1354	1346	1343
7.5	1368	1362	1352	1345	1342
10.0	1359	1355	1348	1343	1342
12.5	1348	1345	1342	1341	1342
15.0	1331	1331	1333	1337	1339
17.5	1311	1314	1322	1331	1336
20.0	1288	1293	1308	1324	1330
22.5	1261	1271	1293	1315	1324
25.0	1229	1242	1273	1302	1314
27.5	1195	1211	1250	1288	1304
30.0	1155	1177	1225	1272	1291
32.5	1113	1137	1197	1254	1276
35.0	1067	1095	1166	1233	1258
37.5	1014	1049	1129	1206	1235
40.0	965	1001	1093	1180	1214
42.5	909	951	1055	1151	1187
45.0	855	900	1013	1120	1160
47.5	802	850	970	1086	1131
50.0	745	796	924	1049	1095
52.5	690	743	879	1011	1060
55.0	636	689	830	969	1022
57.5	581	634	780	926	982
60.0	524	577	726	879	937
62.5	470	521	672	831	891
65.0	416	466	618	779	841
67.5	364	411	561	726	789
70.0	314	360	506	669	733
72.5	265	309	449	612	672
75.0	219	257	393	547	606
77.5	175	209	336	476	532
80.0	132	162	272	399	447
82.5	91	116	206	306	335
85.0	55	73	135	192	208
87.5	24	31	60	79	88
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	506.25	N.A.	11.20
0-30	1093.05	N.A.	24.10
0-40	1820.81	N.A.	40.20
0-60	3341.62	N.A.	73.80
0-80	4381.04	N.A.	96.80
0-90	4527.94	N.A.	100.00
10-90	4398.72	N.A.	97.10
20-40	1314.56	N.A.	29.00
20-50	2094.22	N.A.	46.30
40-70	2137.11	N.A.	47.20
60-80	1039.43	N.A.	23.00
70-80	423.12	N.A.	9.30
80-90	146.90	N.A.	3.20
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	4527.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.22
10-20	377.04
20-30	586.80
30-40	727.76
40-50	779.66
50-60	741.15
60-70	616.30
70-80	423.12
80-90	146.90
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

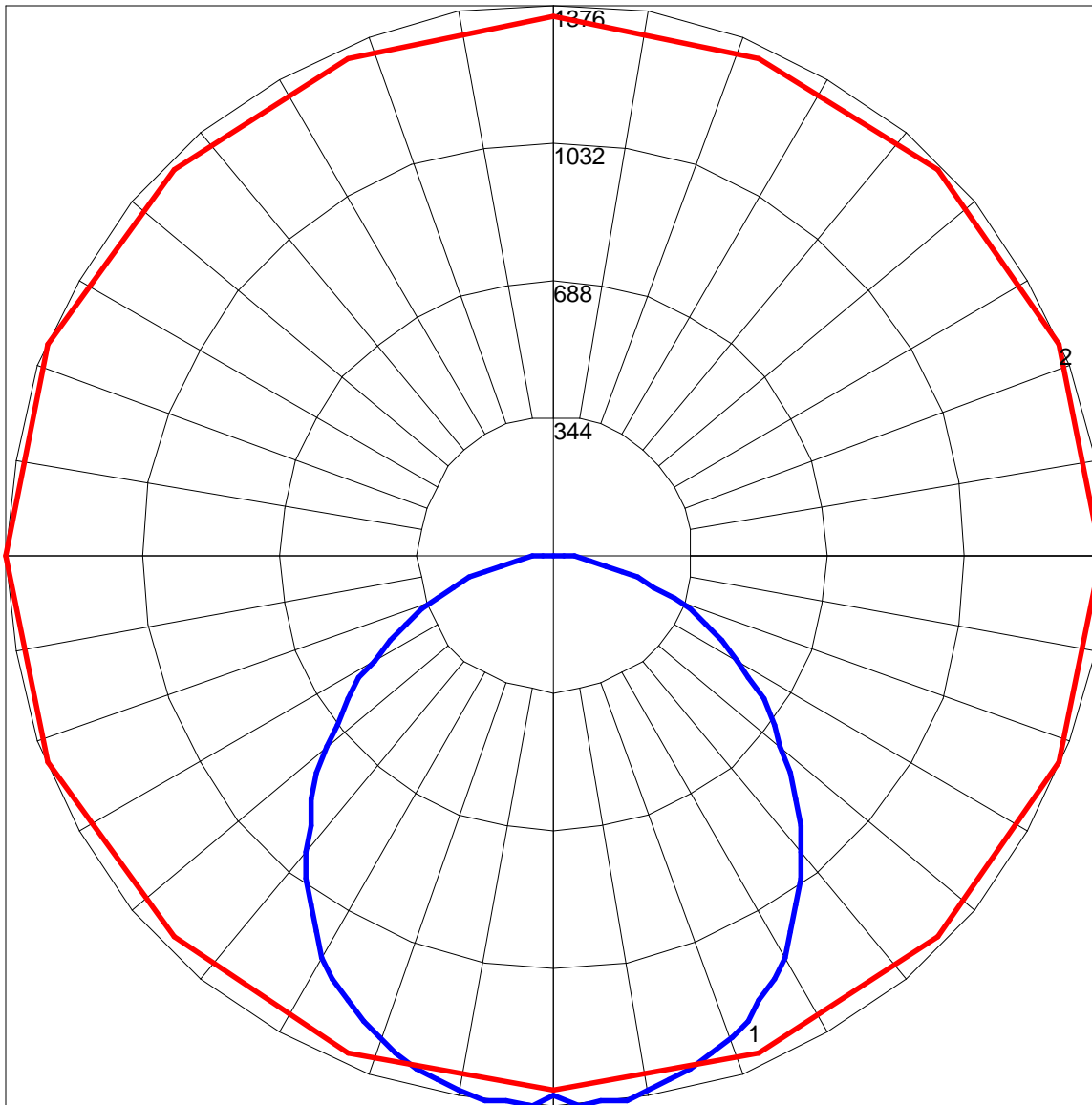
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	97	88	81	75	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	86	75	67	61	72	65	59	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1376 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.)