



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-45L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/17
[TEST DATE]04/26/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-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	4644
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	36.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3268	3931	4532
55	2998	4018	4985
65	2712	4083	5570
75	2310	4310	6714
85	1768	4667	7707

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-45L-35.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1354.696	1354.696	1354.696	1354.696	1354.696
2.5	1379.910	1370.742	1354.696	1343.235	1336.358
5.0	1379.910	1368.449	1356.988	1343.235	1336.358
7.5	1373.034	1363.865	1352.404	1345.527	1338.651
10.0	1363.865	1356.988	1350.112	1345.527	1343.235
12.5	1350.112	1345.527	1343.235	1340.943	1343.235
15.0	1336.358	1336.358	1338.651	1343.235	1340.943
17.5	1315.729	1318.021	1327.190	1336.358	1338.651
20.0	1292.806	1299.683	1315.729	1334.066	1338.651
22.5	1265.300	1274.469	1299.683	1324.897	1331.774
25.0	1235.501	1246.962	1281.345	1315.729	1327.190
27.5	1198.826	1217.164	1263.008	1306.560	1320.313
30.0	1157.566	1180.488	1235.501	1290.514	1308.852
32.5	1114.014	1141.521	1210.287	1272.177	1297.391
35.0	1070.462	1102.553	1180.488	1256.131	1281.345
37.5	1020.033	1056.709	1146.105	1230.917	1263.008
40.0	967.313	1010.865	1111.722	1205.703	1240.086
42.5	914.592	962.728	1075.047	1178.196	1214.871
45.0	859.579	912.300	1033.787	1146.105	1191.949
47.5	809.150	859.579	992.527	1116.306	1164.443
50.0	754.137	806.858	946.683	1081.923	1132.352
52.5	696.832	754.137	903.131	1047.540	1095.676
55.0	639.527	701.416	857.287	1006.280	1063.585
57.5	586.806	646.403	804.566	962.728	1024.618
60.0	529.501	589.098	754.137	914.592	976.482
62.5	479.072	536.377	701.416	871.040	930.637
65.0	426.351	479.072	641.819	816.027	875.624
67.5	373.630	424.059	589.098	761.014	827.488
70.0	320.909	369.046	529.501	706.001	770.183
72.5	272.773	316.325	472.195	648.695	715.170
75.0	222.344	265.896	414.890	584.514	646.403
77.5	176.500	215.468	353.000	511.163	575.345
80.0	135.240	169.624	291.111	435.520	488.241
82.5	96.273	121.487	222.344	339.247	382.799
85.0	57.305	77.935	151.286	226.929	249.851
87.5	25.214	32.091	68.766	96.273	98.565
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-45L-35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	507.55	N.A.	10.90
0-30	1098.71	N.A.	23.70
0-40	1835.52	N.A.	39.50
0-60	3393.2	N.A.	73.10
0-80	4480.76	N.A.	96.50
0-90	4643.7	N.A.	100.00
10-90	4514.39	N.A.	97.20
20-40	1327.97	N.A.	28.60
20-50	2122.92	N.A.	45.70
40-70	2198.83	N.A.	47.40
60-80	1087.57	N.A.	23.40
70-80	446.42	N.A.	9.60
80-90	162.93	N.A.	3.50
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	4643.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.31
10-20	378.24
20-30	591.16
30-40	736.81
40-50	794.95
50-60	762.73
60-70	641.15
70-80	446.42
80-90	162.93
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

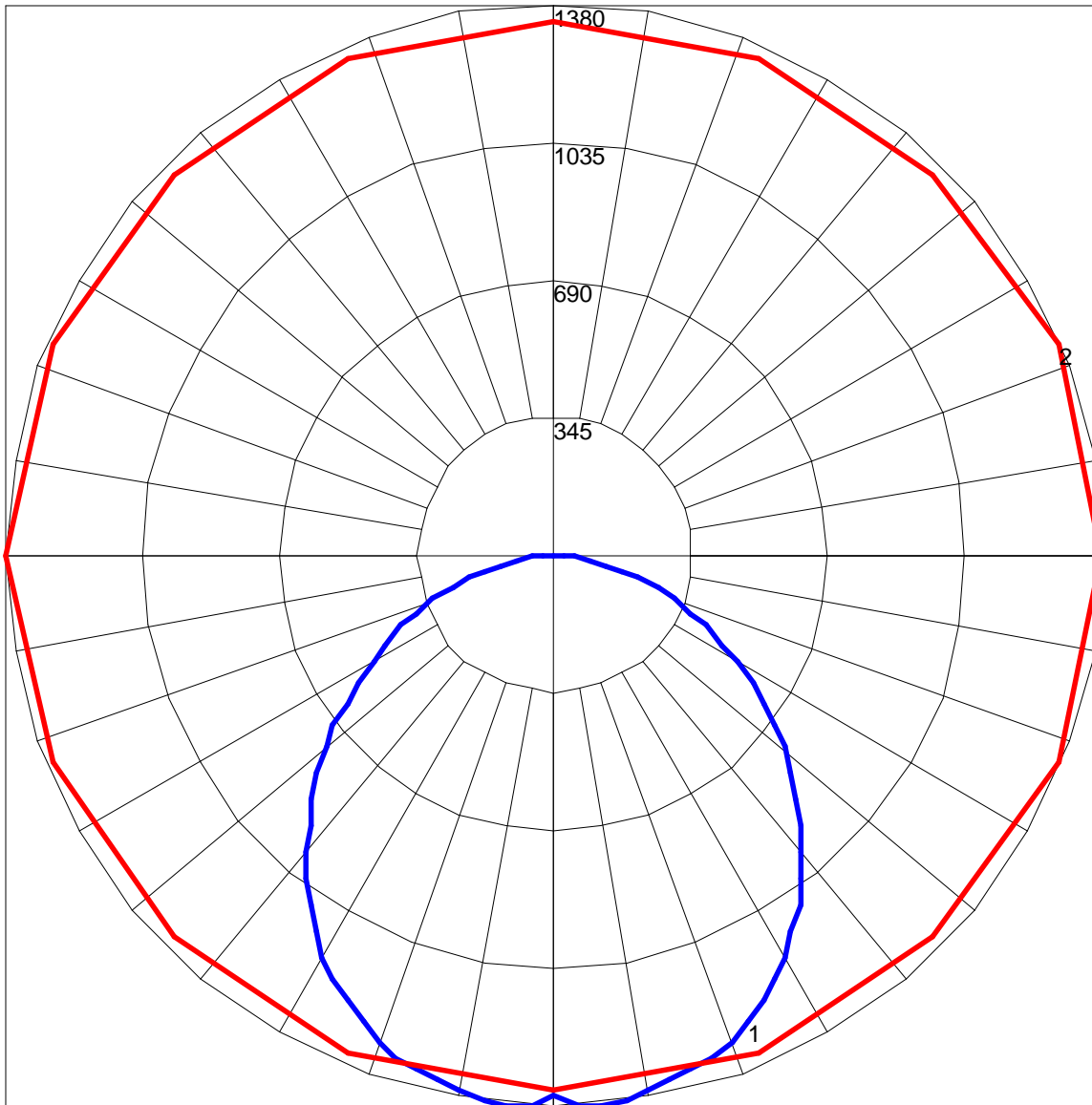
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-45L-35.IES

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	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	42	54	47	42	52	46	42	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	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	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 1379.91 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.)