



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-45L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/18/17
[TEST DATE]04/26/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-LED-45L-30
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4389
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
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	3089	3715	4283
55	2833	3798	4711
65	2563	3859	5264
75	2183	4073	6346
85	1671	4410	7284

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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	1280.307	1280.307	1280.307	1280.307	1280.307
2.5	1304.137	1295.471	1280.307	1269.475	1262.976
5.0	1304.137	1293.305	1282.473	1269.475	1262.976
7.5	1297.638	1288.972	1278.141	1271.642	1265.143
10.0	1288.972	1282.473	1275.974	1271.642	1269.475
12.5	1275.974	1271.642	1269.475	1267.309	1269.475
15.0	1262.976	1262.976	1265.143	1269.475	1267.309
17.5	1243.479	1245.646	1254.311	1262.976	1265.143
20.0	1221.816	1228.315	1243.479	1260.810	1265.143
22.5	1195.820	1204.485	1228.315	1252.145	1258.644
25.0	1167.657	1178.489	1210.984	1243.479	1254.311
27.5	1132.996	1150.327	1193.653	1234.814	1247.812
30.0	1094.002	1115.665	1167.657	1219.649	1236.980
32.5	1052.841	1078.837	1143.828	1202.319	1226.149
35.0	1011.681	1042.010	1115.665	1187.154	1210.984
37.5	964.021	998.683	1083.170	1163.325	1193.653
40.0	914.196	955.356	1050.675	1139.495	1171.990
42.5	864.370	909.863	1016.014	1113.499	1148.160
45.0	812.378	862.203	977.019	1083.170	1126.497
47.5	764.718	812.378	938.025	1055.008	1100.501
50.0	712.726	762.552	894.698	1022.513	1070.172
52.5	658.567	712.726	853.538	990.017	1035.511
55.0	604.409	662.900	810.211	951.023	1005.182
57.5	554.583	610.908	760.385	909.863	968.354
60.0	500.425	556.749	712.726	864.370	922.861
62.5	452.765	506.924	662.900	823.209	879.534
65.0	402.939	452.765	606.575	771.217	827.542
67.5	353.113	400.773	556.749	719.225	782.049
70.0	303.288	348.781	500.425	667.233	727.890
72.5	257.794	298.955	446.266	613.074	675.898
75.0	210.135	251.295	392.108	552.417	610.908
77.5	166.808	203.636	333.616	483.094	543.751
80.0	127.814	160.309	275.125	411.605	461.430
82.5	90.986	114.816	210.135	320.618	361.779
85.0	54.159	73.656	142.978	214.468	236.131
87.5	23.830	30.329	64.990	90.986	93.153
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	479.68	N.A.	10.90
0-30	1038.38	N.A.	23.70
0-40	1734.73	N.A.	39.50
0-60	3206.87	N.A.	73.10
0-80	4234.72	N.A.	96.50
0-90	4388.7	N.A.	100.00
10-90	4266.49	N.A.	97.20
20-40	1255.05	N.A.	28.60
20-50	2006.34	N.A.	45.70
40-70	2078.09	N.A.	47.40
60-80	1027.85	N.A.	23.40
70-80	421.90	N.A.	9.60
80-90	153.99	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	4388.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	122.21
10-20	357.47
20-30	558.70
30-40	696.35
40-50	751.30
50-60	720.85
60-70	605.94
70-80	421.90
80-90	153.99
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

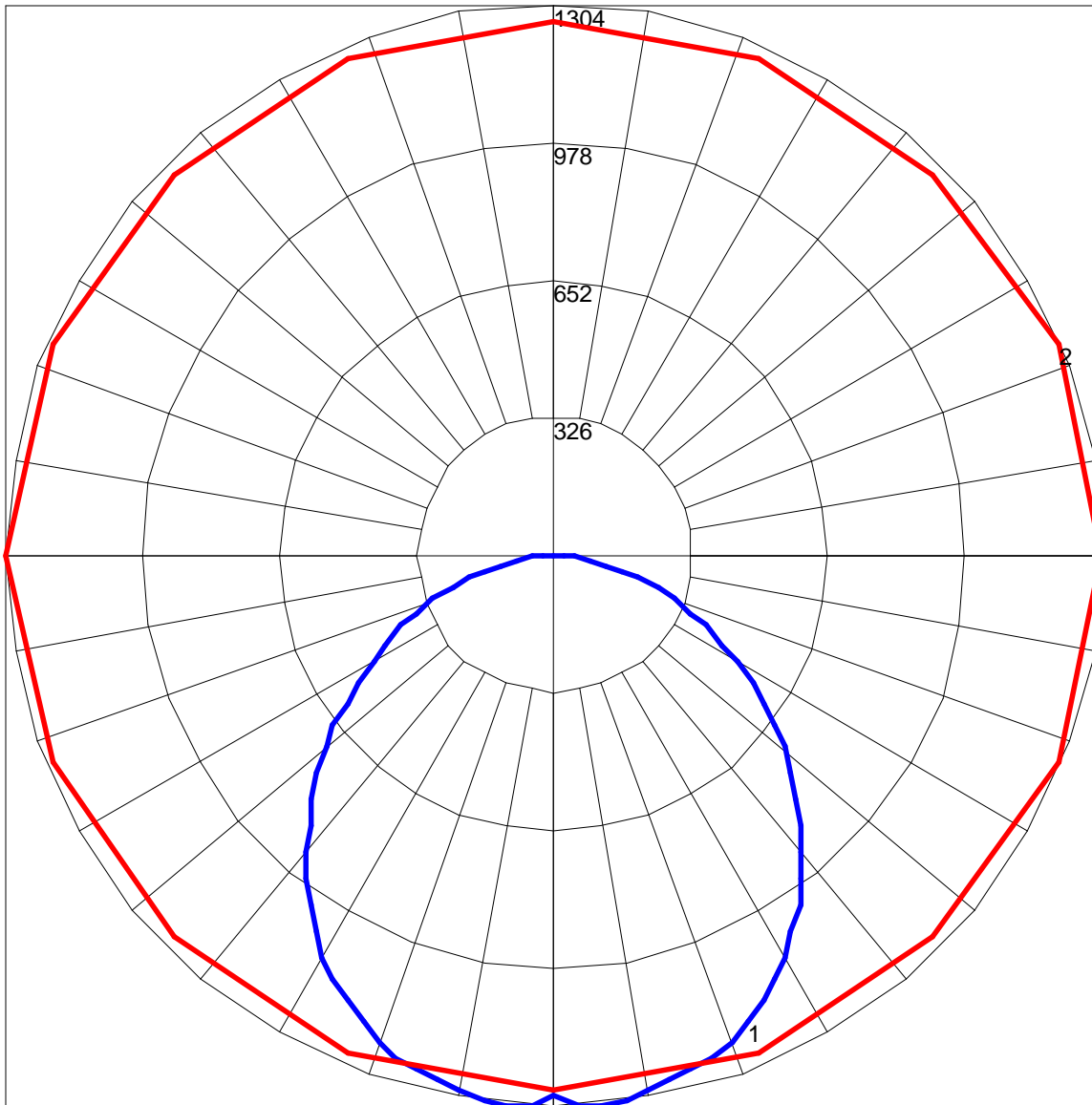
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1304.137 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.)