



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-45L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 07/10/17
[TESTDATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-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	4388
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	34.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3261	3848	4312
55	3065	3919	4623
65	2851	3969	4938
75	2584	3964	4788
85	2249	3571	3307

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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	1284.316	1284.316	1284.316	1284.316	1284.316
2.5	1310.045	1295.036	1286.460	1275.739	1269.307
5.0	1310.045	1295.036	1286.460	1277.884	1273.595
7.5	1305.757	1292.892	1286.460	1280.028	1273.595
10.0	1299.325	1286.460	1284.316	1280.028	1273.595
12.5	1286.460	1275.739	1275.739	1277.884	1273.595
15.0	1273.595	1265.019	1271.451	1275.739	1277.884
17.5	1256.443	1252.154	1262.875	1275.739	1275.739
20.0	1235.002	1235.002	1252.154	1273.595	1275.739
22.5	1211.416	1213.561	1239.290	1267.163	1269.307
25.0	1187.831	1192.120	1228.569	1260.731	1267.163
27.5	1153.526	1168.534	1209.272	1250.010	1262.875
30.0	1117.076	1138.517	1189.975	1239.290	1252.154
32.5	1080.626	1104.211	1168.534	1224.281	1243.578
35.0	1042.033	1069.906	1140.661	1207.128	1224.281
37.5	997.006	1029.168	1112.788	1185.687	1207.128
40.0	947.692	988.430	1080.626	1162.102	1185.687
42.5	904.810	943.404	1048.465	1136.373	1164.246
45.0	857.640	900.522	1012.015	1106.356	1134.229
47.5	806.182	855.496	971.277	1076.338	1104.211
50.0	756.867	808.326	928.395	1037.744	1072.050
52.5	705.409	759.011	883.369	994.862	1029.168
55.0	653.950	707.553	836.199	949.836	986.286
57.5	604.636	656.095	786.885	904.810	941.260
60.0	555.322	602.492	735.426	853.352	889.801
62.5	501.719	548.890	681.824	799.749	836.199
65.0	448.117	493.143	623.933	741.859	776.164
67.5	396.658	439.540	563.898	677.536	707.553
70.0	345.200	383.794	503.863	608.924	630.365
72.5	298.030	332.335	445.973	536.025	551.034
75.0	248.716	280.877	381.650	456.693	460.981
77.5	201.545	231.563	317.327	366.641	366.641
80.0	154.375	182.248	250.860	280.877	276.589
82.5	115.781	132.934	184.393	195.113	186.537
85.0	72.899	87.908	115.781	111.493	107.205
87.5	36.450	45.026	49.314	40.738	38.594
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	482.59	N.A.	11.00
0-30	1048.43	N.A.	23.90
0-40	1760.23	N.A.	40.10
0-60	3275.25	N.A.	74.60
0-80	4272.09	N.A.	97.40
0-90	4388.12	N.A.	100.00
10-90	4265.31	N.A.	97.20
20-40	1277.64	N.A.	29.10
20-50	2051.89	N.A.	46.80
40-70	2124.8	N.A.	48.40
60-80	996.84	N.A.	22.70
70-80	387.06	N.A.	8.80
80-90	116.03	N.A.	2.60
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	4388.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	122.81
10-20	359.78
20-30	565.84
30-40	711.80
40-50	774.26
50-60	740.77
60-70	609.78
70-80	387.06
80-90	116.03
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

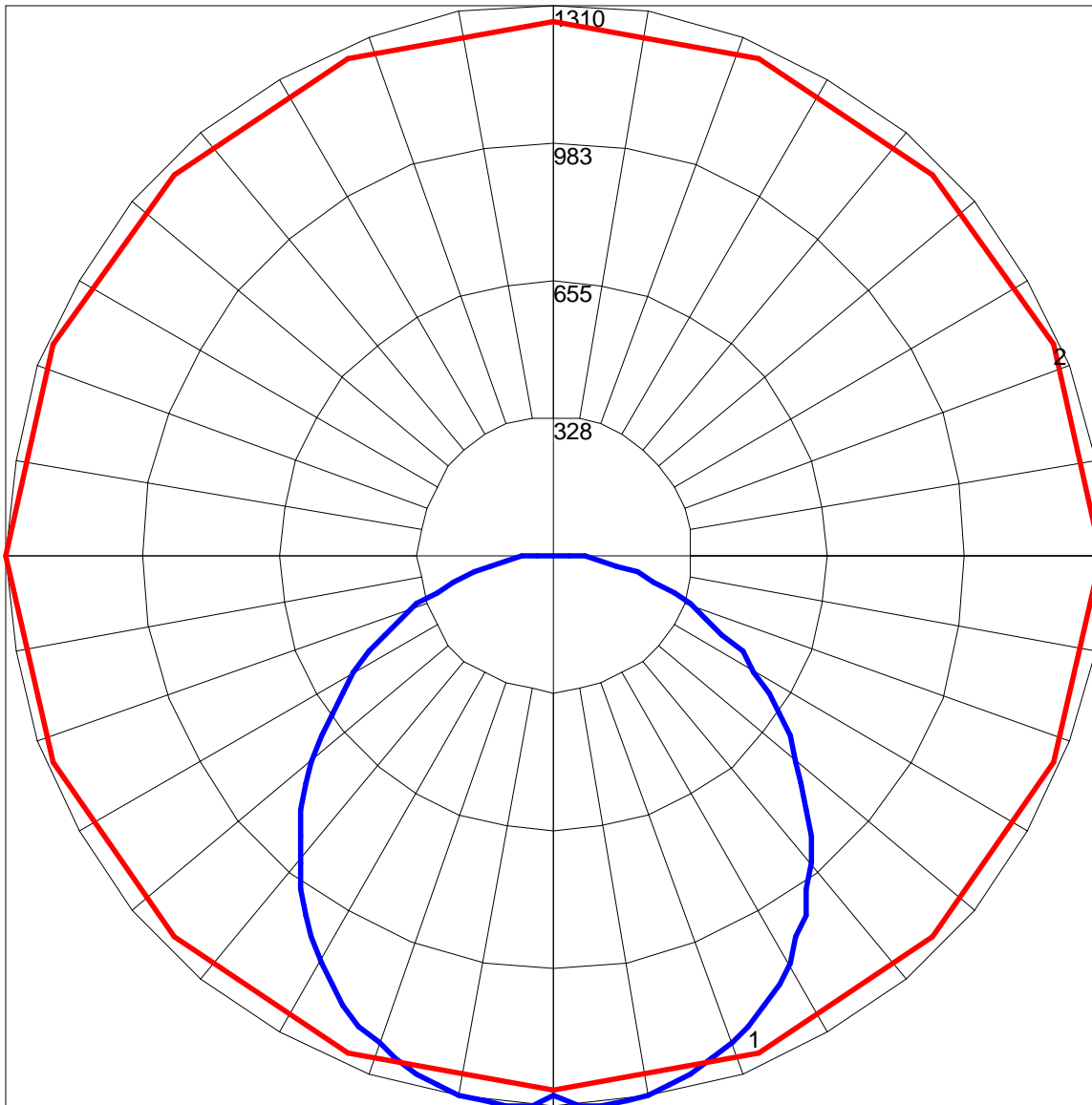
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	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	23	22

POLAR GRAPH



Maximum Candela = 1310.045 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.)