



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-40L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 07/10/17
[TEST DATE] 05/25/17
[MANUFACTURER] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-40L-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	3868
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	32.8
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	2874	3392	3801
55	2702	3455	4075
65	2513	3499	4353
75	2277	3495	4221
85	1982	3148	2915

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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	1132.152	1132.152	1132.152	1132.152	1132.152
2.5	1154.833	1141.602	1134.042	1124.592	1118.921
5.0	1154.833	1141.602	1134.042	1126.482	1122.702
7.5	1151.053	1139.712	1134.042	1128.372	1122.702
10.0	1145.382	1134.042	1132.152	1128.372	1122.702
12.5	1134.042	1124.592	1124.592	1126.482	1122.702
15.0	1122.702	1115.141	1120.811	1124.592	1126.482
17.5	1107.581	1103.801	1113.251	1124.592	1124.592
20.0	1088.680	1088.680	1103.801	1122.702	1124.592
22.5	1067.890	1069.780	1092.460	1117.031	1118.921
25.0	1047.099	1050.879	1083.010	1111.361	1117.031
27.5	1016.858	1030.088	1065.999	1101.911	1113.251
30.0	984.726	1003.627	1048.989	1092.460	1103.801
32.5	952.595	973.386	1030.088	1079.230	1096.241
35.0	918.574	943.145	1005.517	1064.109	1079.230
37.5	878.883	907.234	980.946	1045.209	1064.109
40.0	835.411	871.322	952.595	1024.418	1045.209
42.5	797.610	831.631	924.244	1001.737	1026.308
45.0	756.028	793.829	892.113	975.276	999.847
47.5	710.666	754.138	856.202	948.815	973.386
50.0	667.195	712.556	818.400	914.794	945.035
52.5	621.833	669.085	778.709	876.992	907.234
55.0	576.471	623.723	737.127	837.301	869.432
57.5	533.000	578.361	693.656	797.610	829.741
60.0	489.528	531.110	648.294	752.248	784.379
62.5	442.276	483.858	601.042	704.996	737.127
65.0	395.025	434.716	550.010	653.964	684.205
67.5	349.663	387.464	497.088	597.262	623.723
70.0	304.301	338.323	444.166	536.780	555.681
72.5	262.720	292.961	393.135	472.517	485.748
75.0	219.248	247.599	336.432	402.585	406.365
77.5	177.667	204.128	279.730	323.202	323.202
80.0	136.085	160.656	221.138	247.599	243.819
82.5	102.064	117.184	162.546	171.996	164.436
85.0	64.262	77.493	102.064	98.284	94.503
87.5	32.131	39.691	43.472	35.911	34.021
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	425.42	N.A.	11.00
0-30	924.21	N.A.	23.90
0-40	1551.68	N.A.	40.10
0-60	2887.21	N.A.	74.60
0-80	3765.94	N.A.	97.40
0-90	3868.22	N.A.	100.00
10-90	3759.96	N.A.	97.20
20-40	1126.26	N.A.	29.10
20-50	1808.79	N.A.	46.80
40-70	1873.06	N.A.	48.40
60-80	878.73	N.A.	22.70
70-80	341.20	N.A.	8.80
80-90	102.29	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	3868.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	108.26
10-20	317.16
20-30	498.80
30-40	627.47
40-50	682.52
50-60	653.00
60-70	537.53
70-80	341.20
80-90	102.29
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

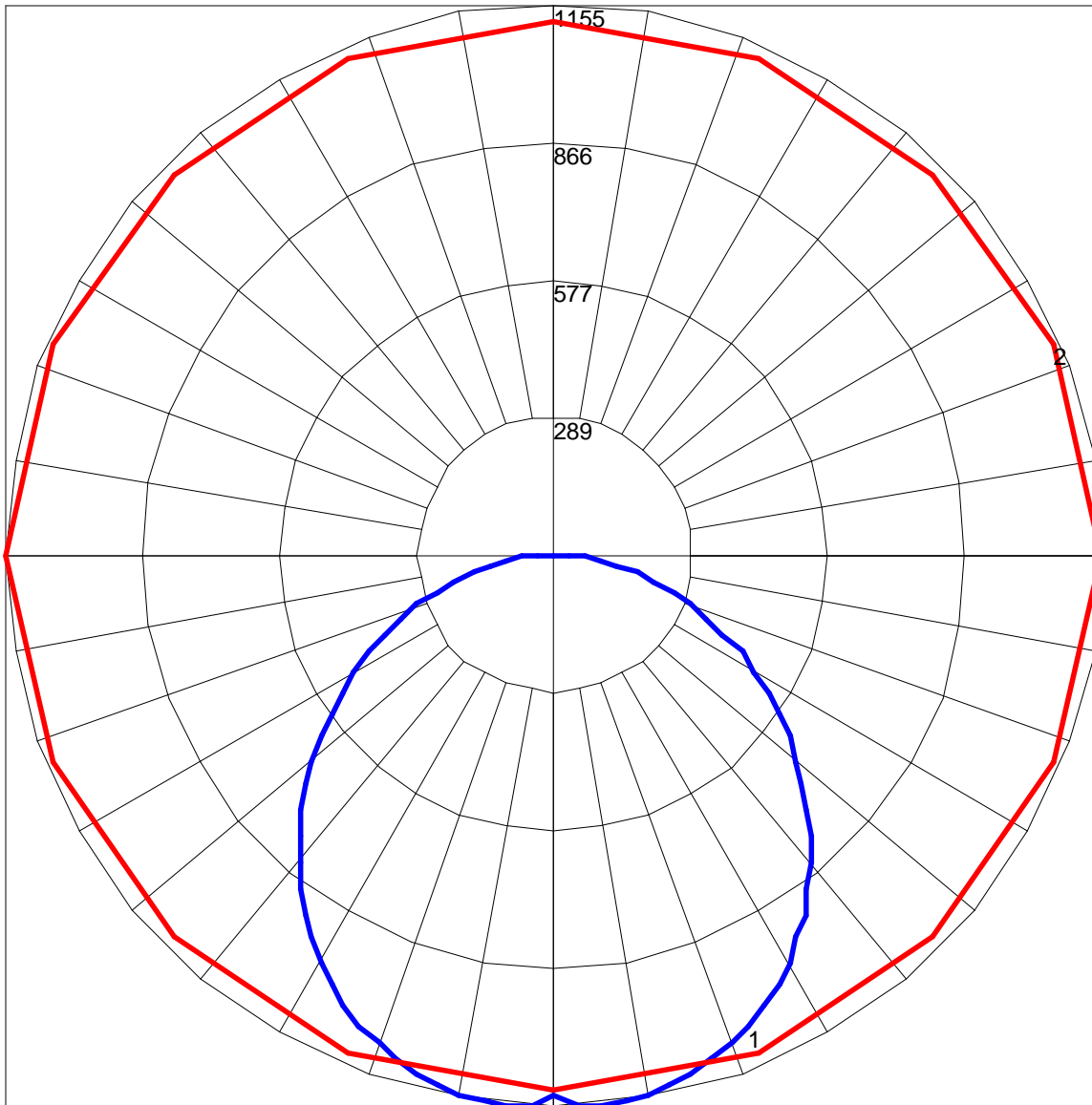
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1154.833 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.)