



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-35L-50.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-35L-50
[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	3708
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	28.2
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	2756	3252	3644
55	2590	3312	3907
65	2409	3354	4173
75	2183	3350	4047
85	1900	3018	2795

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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	1085.334	1085.334	1085.334	1085.334	1085.334
2.5	1107.077	1094.394	1087.146	1078.086	1072.651
5.0	1107.077	1094.394	1087.146	1079.898	1076.275
7.5	1103.453	1092.582	1087.146	1081.710	1076.275
10.0	1098.017	1087.146	1085.334	1081.710	1076.275
12.5	1087.146	1078.086	1078.086	1079.898	1076.275
15.0	1076.275	1069.027	1074.463	1078.086	1079.898
17.5	1061.779	1058.155	1067.215	1078.086	1078.086
20.0	1043.660	1043.660	1058.155	1076.275	1078.086
22.5	1023.729	1025.541	1047.284	1070.839	1072.651
25.0	1003.798	1007.422	1038.224	1065.403	1070.839
27.5	974.808	987.491	1021.917	1056.344	1067.215
30.0	944.005	962.124	1005.610	1047.284	1058.155
32.5	913.203	933.134	987.491	1034.601	1050.908
35.0	880.588	904.143	963.936	1020.105	1034.601
37.5	842.538	869.717	940.381	1001.986	1020.105
40.0	800.864	835.291	913.203	982.055	1001.986
42.5	764.626	797.240	886.024	960.312	983.867
45.0	724.764	761.002	855.222	934.946	958.500
47.5	681.278	722.952	820.795	909.579	933.134
50.0	639.604	683.090	784.557	876.964	905.955
52.5	596.118	641.416	746.507	840.726	869.717
55.0	552.633	597.930	706.645	802.676	833.479
57.5	510.959	554.444	664.971	764.626	795.429
60.0	469.285	509.147	621.485	721.140	751.943
62.5	423.987	463.849	576.187	675.842	706.645
65.0	378.689	416.739	527.266	626.921	655.911
67.5	335.203	371.442	476.532	572.564	597.930
70.0	291.718	324.332	425.799	514.582	532.702
72.5	251.855	280.846	376.877	452.978	465.661
75.0	210.182	237.360	322.520	385.937	389.561
77.5	170.320	195.686	268.163	309.837	309.837
80.0	130.458	154.012	211.993	237.360	233.736
82.5	97.843	112.338	155.824	164.884	157.636
85.0	61.605	74.288	97.843	94.219	90.596
87.5	30.802	38.050	41.674	34.426	32.614
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	407.83	N.A.	11.00
0-30	885.99	N.A.	23.90
0-40	1487.51	N.A.	40.10
0-60	2767.81	N.A.	74.60
0-80	3610.21	N.A.	97.40
0-90	3708.26	N.A.	100.00
10-90	3604.48	N.A.	97.20
20-40	1079.69	N.A.	29.10
20-50	1733.99	N.A.	46.80
40-70	1795.6	N.A.	48.40
60-80	842.39	N.A.	22.70
70-80	327.09	N.A.	8.80
80-90	98.06	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	3708.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.79
10-20	304.04
20-30	478.17
30-40	601.52
40-50	654.30
50-60	626.00
60-70	515.30
70-80	327.09
80-90	98.06
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

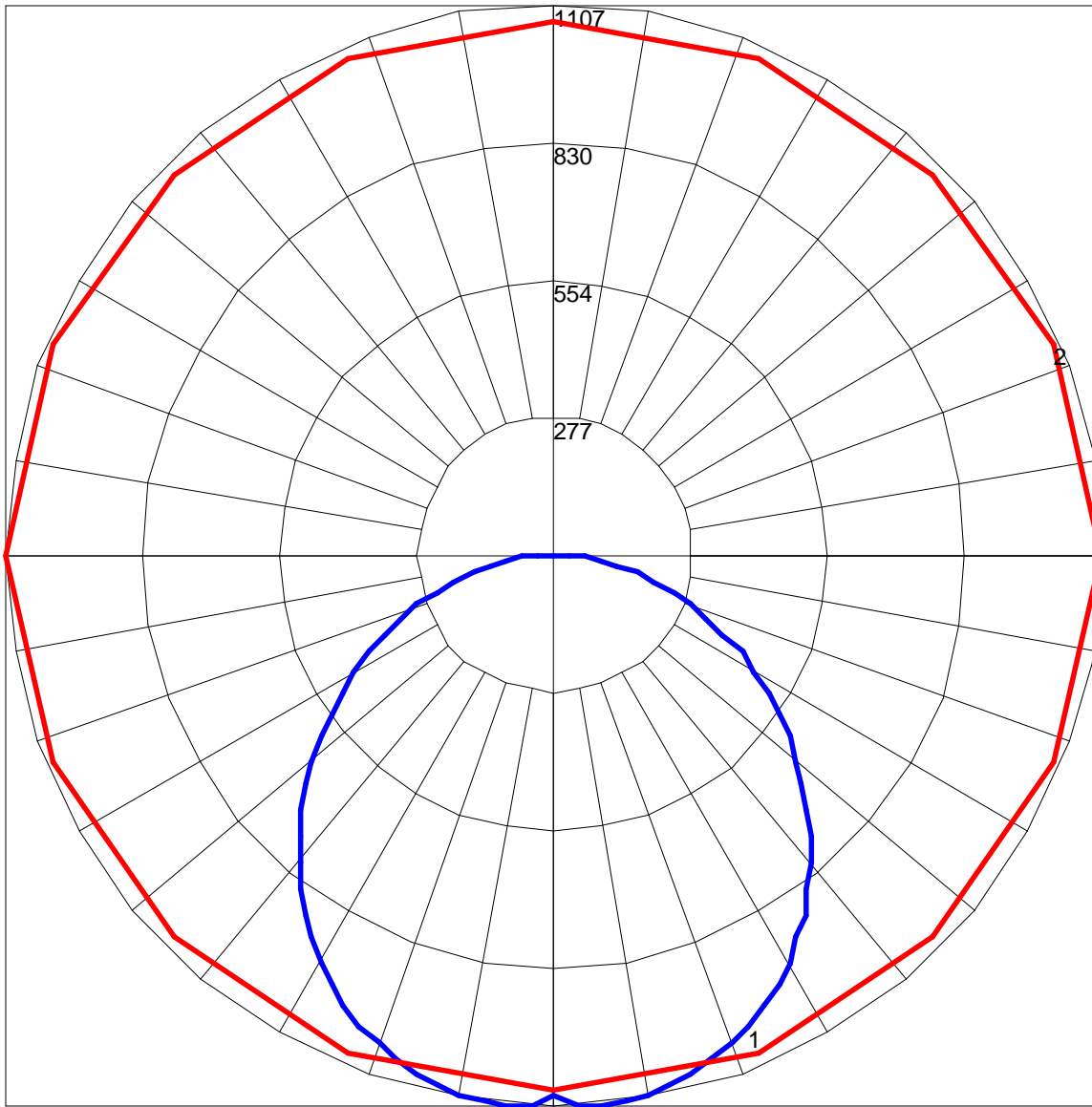
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1107.077 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.)