



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-35L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8913_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-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 SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3821
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	28.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1358	1634	1861
55	1277	1692	2053
65	1178	1762	2324
75	1058	1911	2797
85	923	2239	2887

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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	1063.347	1063.347	1063.347	1063.347	1063.347
2.5	1084.765	1072.166	1064.607	1054.528	1048.228
5.0	1083.505	1072.166	1064.607	1058.308	1052.008
7.5	1080.986	1070.906	1064.607	1058.308	1052.008
10.0	1073.426	1064.607	1062.087	1058.308	1053.268
12.5	1065.867	1057.048	1058.308	1057.048	1055.788
15.0	1054.528	1049.488	1053.268	1059.567	1058.308
17.5	1038.149	1035.630	1046.969	1058.308	1059.567
20.0	1024.291	1024.291	1040.669	1057.048	1060.827
22.5	1002.872	1007.912	1031.850	1054.528	1059.567
25.0	980.194	987.754	1020.511	1049.488	1057.048
27.5	951.217	965.076	1006.652	1041.929	1052.008
30.0	923.499	941.138	990.274	1034.370	1046.969
32.5	893.262	913.420	972.635	1024.291	1038.149
35.0	860.505	884.443	952.477	1012.952	1028.070
37.5	823.968	854.205	932.319	1000.353	1019.251
40.0	787.431	821.448	905.861	981.454	1004.132
42.5	750.894	787.431	881.923	965.076	989.014
45.0	706.798	749.635	850.426	942.398	968.855
47.5	665.222	709.318	818.928	918.460	947.437
50.0	626.165	671.521	787.431	893.262	924.759
52.5	583.329	631.205	752.154	864.285	900.821
55.0	539.233	587.109	714.358	831.527	866.804
57.5	497.657	546.792	676.561	798.770	836.567
60.0	456.080	503.956	636.244	762.233	801.290
62.5	413.244	458.600	593.408	723.177	763.493
65.0	366.628	413.244	548.052	681.600	723.177
67.5	325.052	367.888	502.696	637.504	679.081
70.0	282.215	323.792	457.340	593.408	636.244
72.5	241.899	280.955	410.724	545.532	585.849
75.0	201.582	239.379	364.108	491.357	532.933
77.5	161.266	196.543	313.713	432.142	464.899
80.0	125.989	157.486	262.057	365.368	393.086
82.5	91.972	118.430	205.362	285.995	301.114
85.0	59.215	81.893	143.627	185.204	185.204
87.5	31.497	42.836	68.034	93.232	95.752
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	399.80	N.A.	10.50
0-30	869.88	N.A.	22.80
0-40	1463.92	N.A.	38.30
0-60	2751.08	N.A.	72.00
0-80	3675.68	N.A.	96.20
0-90	3820.53	N.A.	100.00
10-90	3718.92	N.A.	97.30
20-40	1064.12	N.A.	27.90
20-50	1716.46	N.A.	44.90
40-70	1828.52	N.A.	47.90
60-80	924.60	N.A.	24.20
70-80	383.24	N.A.	10.00
80-90	144.85	N.A.	3.80
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	3820.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.61
10-20	298.19
20-30	470.09
30-40	594.03
40-50	652.34
50-60	634.83
60-70	541.36
70-80	383.24
80-90	144.85
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

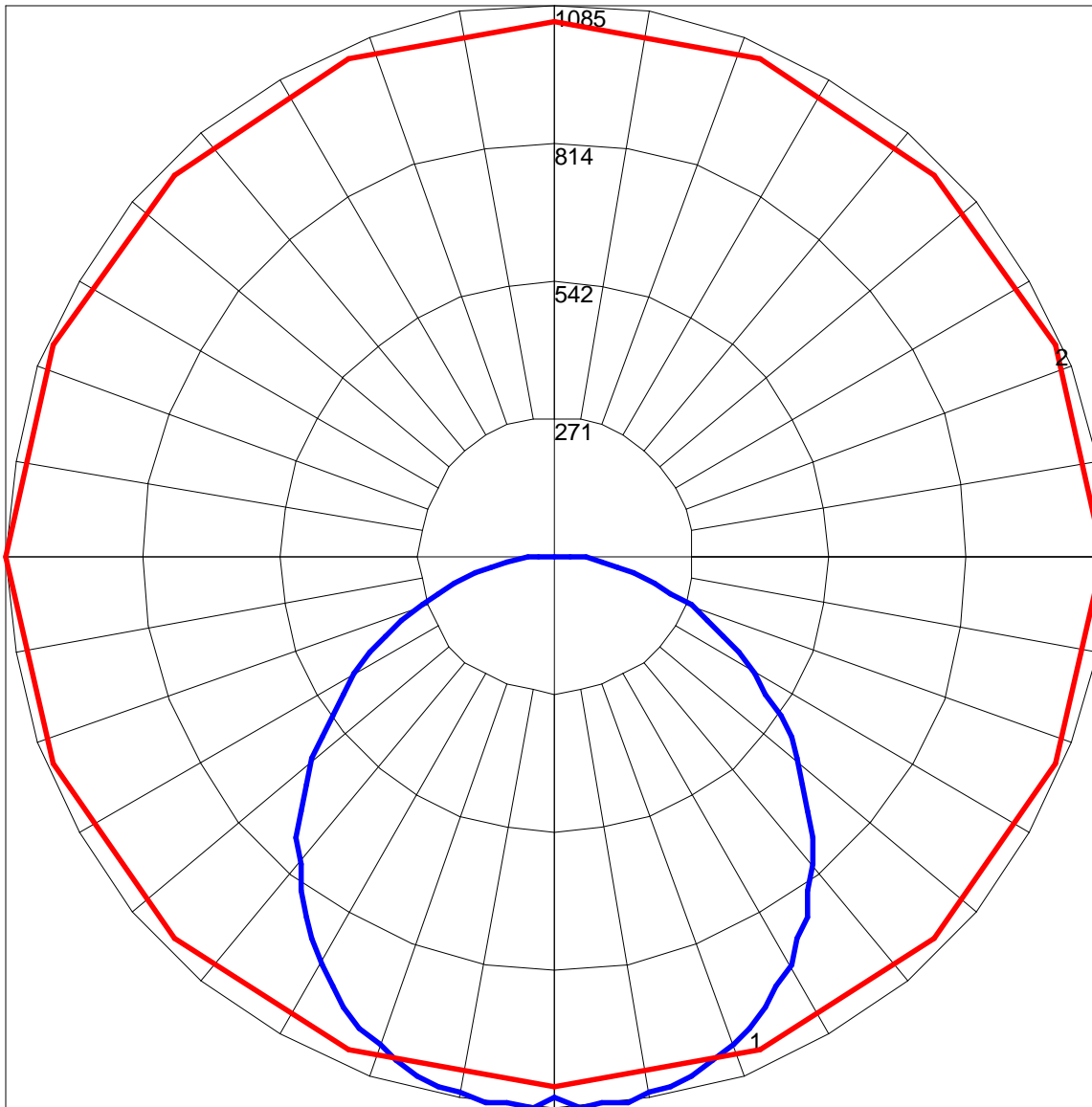
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	43	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1084.765 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.)