



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC24-LED-35L-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8913\_Scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]08/18/17  
[TEST DATE]05/16/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPEC24-LED-35L-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	3441
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
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	1223	1471	1676
55	1150	1524	1849
65	1061	1586	2093
75	953	1721	2519
85	831	2016	2599

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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	957.577	957.577	957.577	957.577	957.577
2.5	976.865	965.519	958.712	949.635	943.962
5.0	975.730	965.519	958.712	953.039	947.366
7.5	973.461	964.385	958.712	953.039	947.366
10.0	966.654	958.712	956.443	953.039	948.501
12.5	959.846	951.904	953.039	951.904	950.770
15.0	949.635	945.097	948.501	954.173	953.039
17.5	934.886	932.617	942.828	953.039	954.173
20.0	922.405	922.405	937.155	951.904	955.308
22.5	903.118	907.656	929.213	949.635	954.173
25.0	882.695	889.503	919.002	945.097	951.904
27.5	856.600	869.081	906.521	938.289	947.366
30.0	831.640	847.524	891.772	931.482	942.828
32.5	804.410	822.563	875.888	922.405	934.886
35.0	774.911	796.468	857.735	912.194	925.809
37.5	742.009	769.238	839.582	900.849	917.867
40.0	709.106	739.740	815.756	883.830	904.252
42.5	676.204	709.106	794.199	869.081	890.637
45.0	636.494	675.069	765.835	848.658	872.484
47.5	599.053	638.763	737.471	827.102	853.197
50.0	563.881	604.726	709.106	804.410	832.774
52.5	525.306	568.420	677.338	778.315	811.218
55.0	485.596	528.710	643.301	748.816	780.584
57.5	448.155	492.403	609.264	719.317	753.354
60.0	410.714	453.828	572.958	686.415	721.587
62.5	372.139	412.983	534.382	651.243	687.549
65.0	330.160	372.139	493.538	613.802	651.243
67.5	292.719	331.294	452.693	574.092	611.533
70.0	254.144	291.584	411.849	534.382	572.958
72.5	217.837	253.009	369.870	491.269	527.575
75.0	181.531	215.568	327.891	442.482	479.923
77.5	145.225	176.993	282.508	389.158	418.656
80.0	113.457	141.821	235.991	329.025	353.986
82.5	82.824	106.650	184.935	257.547	271.162
85.0	53.325	73.747	129.341	166.782	166.782
87.5	28.364	38.575	61.267	83.958	86.227
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	360.03	N.A.	10.50
0-30	783.36	N.A.	22.80
0-40	1318.3	N.A.	38.30
0-60	2477.43	N.A.	72.00
0-80	3310.06	N.A.	96.20
0-90	3440.51	N.A.	100.00
10-90	3349.00	N.A.	97.30
20-40	958.27	N.A.	27.90
20-50	1545.72	N.A.	44.90
40-70	1646.64	N.A.	47.90
60-80	832.63	N.A.	24.20
70-80	345.12	N.A.	10.00
80-90	130.44	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	3440.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	91.50
10-20	268.53
20-30	423.33
30-40	534.95
40-50	587.45
50-60	571.68
60-70	487.51
70-80	345.12
80-90	130.44
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

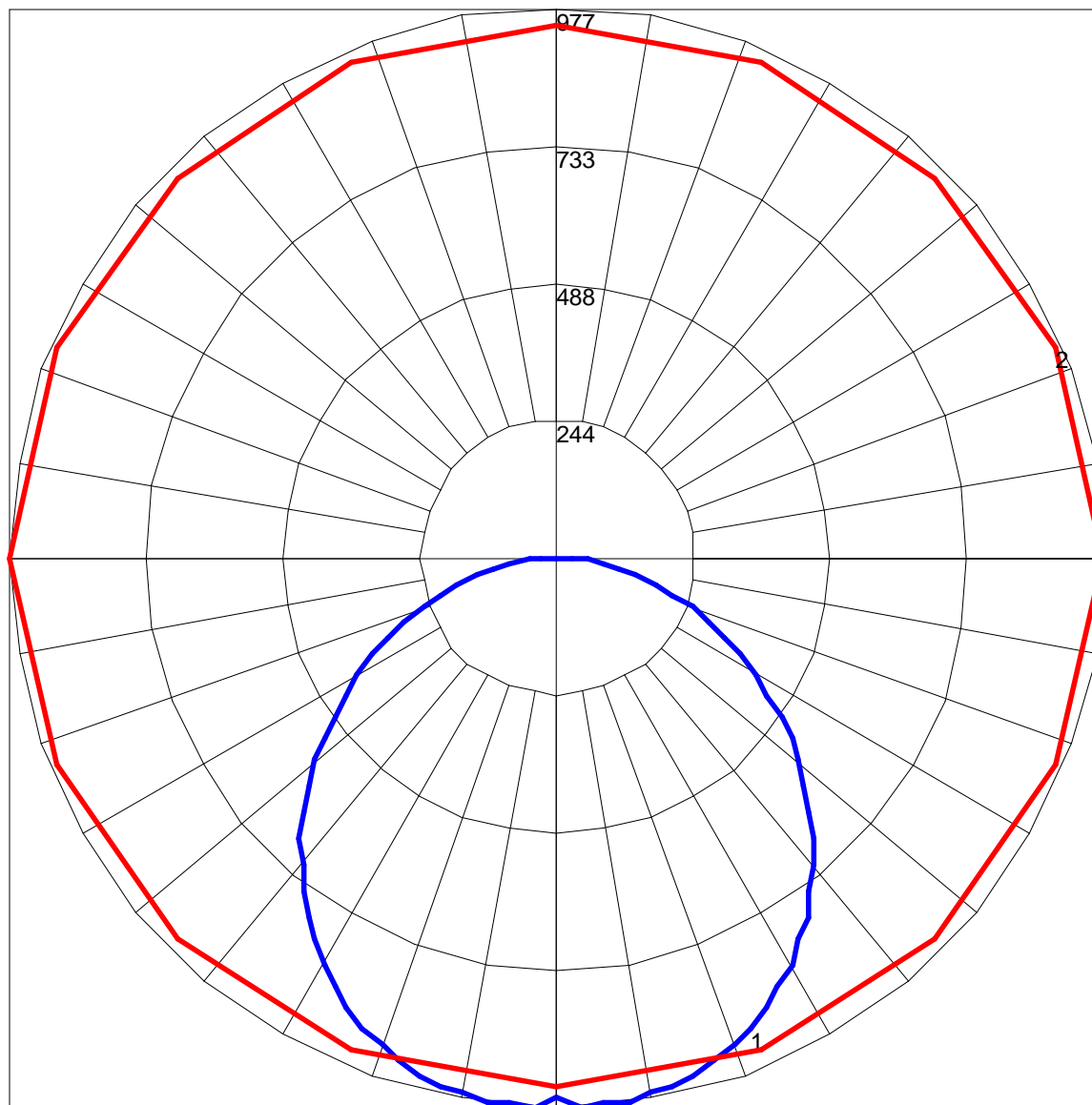
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 976.865 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.)