



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-90L-35.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-90L-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 SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9191
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	68.5
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	3266	3930	4478
55	3072	4070	4939
65	2835	4238	5592
75	2545	4597	6729
85	2220	5385	6944

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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	2558.147	2558.147	2558.147	2558.147	2558.147
2.5	2609.674	2579.364	2561.178	2536.930	2521.775
5.0	2606.643	2579.364	2561.178	2546.023	2530.868
7.5	2600.581	2576.333	2561.178	2546.023	2530.868
10.0	2582.395	2561.178	2555.116	2546.023	2533.899
12.5	2564.209	2542.992	2546.023	2542.992	2539.961
15.0	2536.930	2524.806	2533.899	2549.054	2546.023
17.5	2497.528	2491.466	2518.744	2546.023	2549.054
20.0	2464.187	2464.187	2503.590	2542.992	2552.085
22.5	2412.660	2424.784	2482.373	2536.930	2549.054
25.0	2358.103	2376.288	2455.094	2524.806	2542.992
27.5	2288.390	2321.731	2421.753	2506.621	2530.868
30.0	2221.708	2264.142	2382.350	2488.435	2518.744
32.5	2148.965	2197.461	2339.917	2464.187	2497.528
35.0	2070.159	2127.748	2291.421	2436.908	2473.280
37.5	1982.261	2055.005	2242.925	2406.598	2452.063
40.0	1894.363	1976.199	2179.275	2361.134	2415.691
42.5	1806.464	1894.363	2121.686	2321.731	2379.319
45.0	1700.380	1803.433	2045.912	2267.173	2330.824
47.5	1600.357	1706.442	1970.137	2209.585	2279.297
50.0	1506.397	1615.512	1894.363	2148.965	2224.739
52.5	1403.344	1518.521	1809.495	2079.252	2167.151
55.0	1297.259	1412.437	1718.566	2000.447	2085.314
57.5	1197.237	1315.445	1627.636	1921.641	2012.571
60.0	1097.215	1212.392	1530.645	1833.743	1927.703
62.5	994.161	1103.277	1427.592	1739.783	1836.774
65.0	882.015	994.161	1318.476	1639.760	1739.783
67.5	781.993	885.046	1209.361	1533.676	1633.698
70.0	678.940	778.962	1100.246	1427.592	1530.645
72.5	581.948	675.909	988.100	1312.414	1409.406
75.0	484.957	575.886	875.953	1182.082	1282.105
77.5	387.965	472.833	754.714	1039.626	1118.432
80.0	303.098	378.873	630.444	878.984	945.666
82.5	221.262	284.912	494.050	688.032	724.404
85.0	142.456	197.014	345.532	445.554	445.554
87.5	75.775	103.053	163.673	224.293	230.354
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	961.81	N.A.	10.50
0-30	2092.72	N.A.	22.80
0-40	3521.82	N.A.	38.30
0-60	6618.41	N.A.	72.00
0-80	8842.77	N.A.	96.20
0-90	9191.24	N.A.	100.00
10-90	8946.8	N.A.	97.30
20-40	2560.01	N.A.	27.90
20-50	4129.37	N.A.	44.90
40-70	4398.96	N.A.	47.90
60-80	2224.36	N.A.	24.20
70-80	921.99	N.A.	10.00
80-90	348.47	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	9191.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	244.44
10-20	717.36
20-30	1130.91
30-40	1429.1
40-50	1569.36
50-60	1527.23
60-70	1302.37
70-80	921.99
80-90	348.47
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

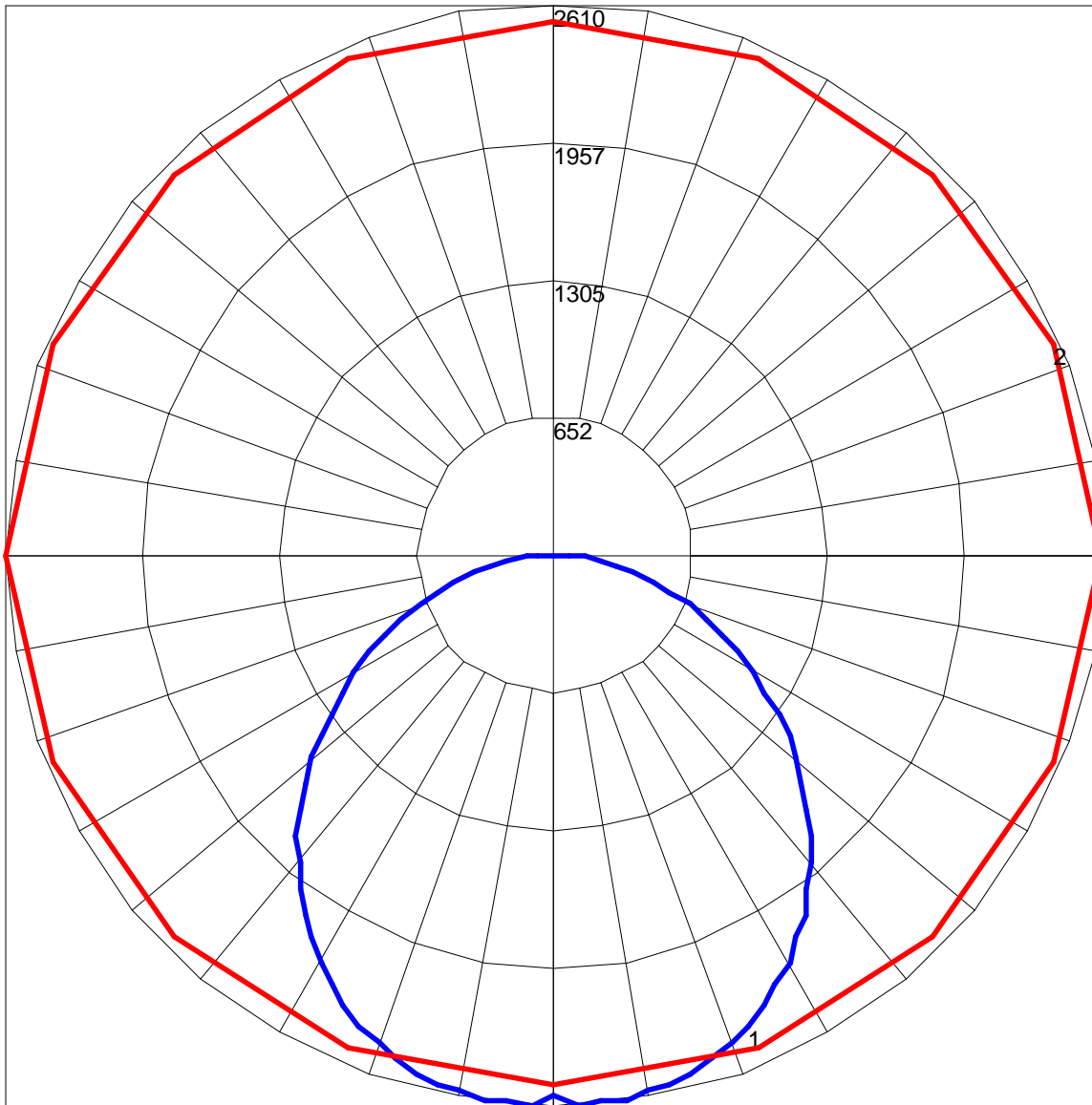
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2609.674 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.)