



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-90L-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-90L-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	9772
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
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	3473	4179	4761
55	3266	4327	5251
65	3014	4506	5946
75	2706	4888	7154
85	2361	5726	7383

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-90L-50.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2719.874	2719.874	2719.874	2719.874	2719.874
2.5	2774.659	2742.433	2723.097	2697.316	2681.203
5.0	2771.436	2742.433	2723.097	2706.984	2690.871
7.5	2764.991	2739.210	2723.097	2706.984	2690.871
10.0	2745.655	2723.097	2716.652	2706.984	2694.094
12.5	2726.320	2703.761	2706.984	2703.761	2700.539
15.0	2697.316	2684.426	2694.094	2710.207	2706.984
17.5	2655.422	2648.977	2677.981	2706.984	2710.207
20.0	2619.974	2619.974	2661.868	2703.761	2713.429
22.5	2565.190	2578.080	2639.309	2697.316	2710.207
25.0	2507.183	2526.518	2610.306	2684.426	2703.761
27.5	2433.063	2468.512	2574.857	2665.090	2690.871
30.0	2362.166	2407.282	2532.964	2645.755	2677.981
32.5	2284.823	2336.385	2487.847	2619.974	2655.422
35.0	2201.036	2262.265	2436.286	2590.970	2629.642
37.5	2107.580	2184.923	2384.724	2558.744	2607.083
40.0	2014.125	2101.135	2317.049	2510.405	2568.412
42.5	1920.670	2014.125	2255.820	2468.512	2529.741
45.0	1807.879	1917.447	2175.255	2410.505	2478.179
47.5	1701.533	1814.324	2094.690	2349.275	2423.395
50.0	1601.632	1717.646	2014.125	2284.823	2365.388
52.5	1492.064	1614.523	1923.892	2210.704	2304.159
55.0	1379.273	1501.732	1827.214	2126.916	2217.149
57.5	1272.927	1398.608	1730.536	2043.128	2139.806
60.0	1166.581	1289.040	1627.413	1949.673	2049.574
62.5	1057.013	1173.026	1517.845	1849.772	1952.896
65.0	937.777	1057.013	1401.831	1743.427	1849.772
67.5	831.431	940.999	1285.817	1630.636	1736.981
70.0	721.862	828.208	1169.804	1517.845	1627.413
72.5	618.739	718.640	1050.568	1395.386	1498.509
75.0	515.616	612.294	931.331	1256.814	1363.160
77.5	412.493	502.726	802.427	1105.352	1189.139
80.0	322.260	402.825	670.301	934.554	1005.451
82.5	235.250	302.924	525.284	731.530	770.201
85.0	151.462	209.469	367.376	473.722	473.722
87.5	80.565	109.568	174.020	238.472	244.918
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-90L-50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1022.61	N.A.	10.50
0-30	2225.02	N.A.	22.80
0-40	3744.47	N.A.	38.30
0-60	7036.83	N.A.	72.00
0-80	9401.81	N.A.	96.20
0-90	9772.31	N.A.	100.00
10-90	9512.42	N.A.	97.30
20-40	2721.85	N.A.	27.90
20-50	4390.43	N.A.	44.90
40-70	4677.06	N.A.	47.90
60-80	2364.98	N.A.	24.20
70-80	980.28	N.A.	10.00
80-90	370.50	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	9772.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	259.90
10-20	762.72
20-30	1202.41
30-40	1519.45
40-50	1668.58
50-60	1623.78
60-70	1384.7
70-80	980.28
80-90	370.50
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

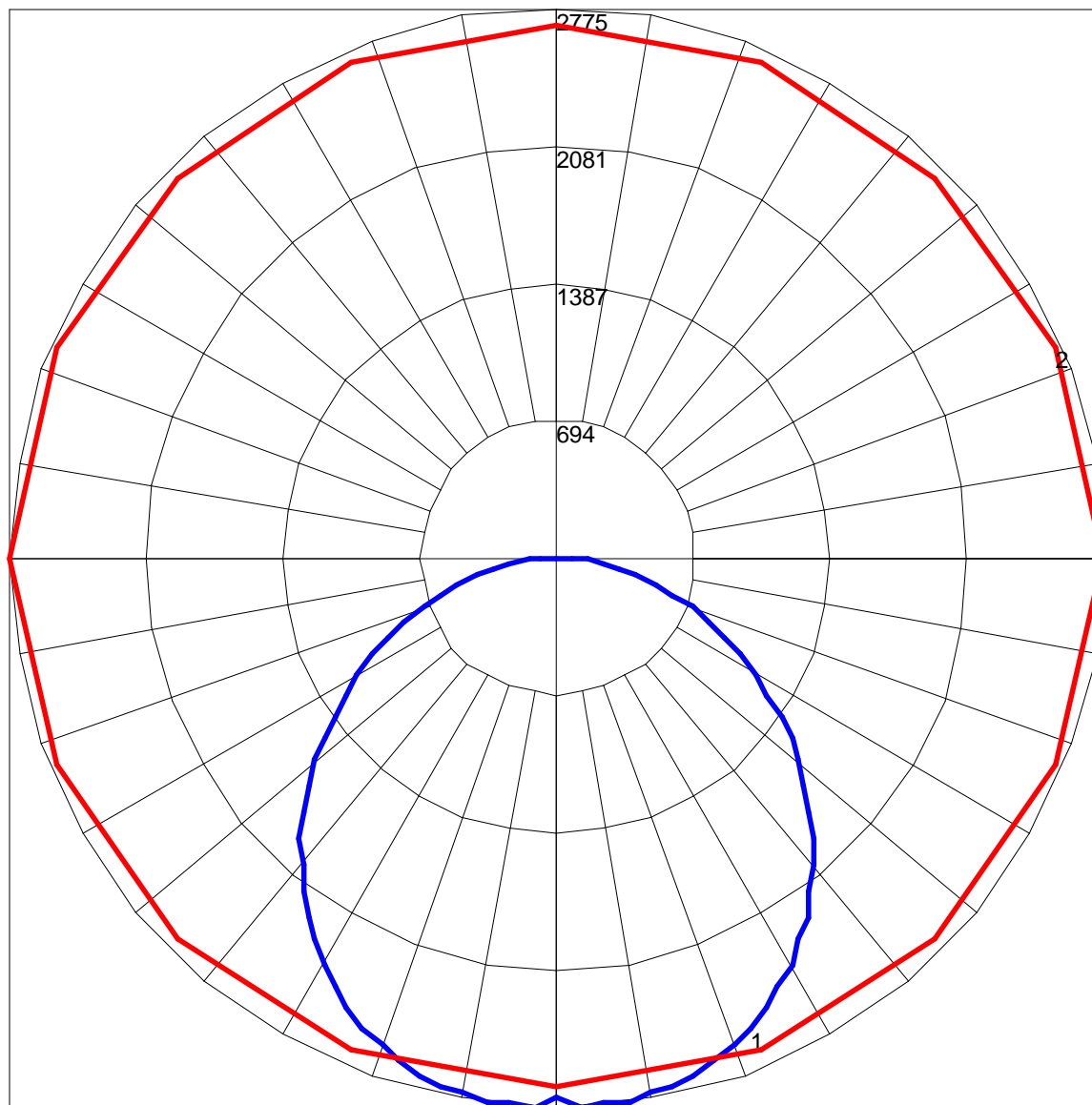
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-90L-50.IES

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 = 2774.659 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.)