



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-90L-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-90L-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	8801
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
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	3128	3764	4288
55	2942	3897	4729
65	2715	4058	5355
75	2437	4402	6443
85	2126	5157	6650

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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	2449.617	2449.617	2449.617	2449.617	2449.617
2.5	2498.958	2469.934	2452.520	2429.300	2414.788
5.0	2496.055	2469.934	2452.520	2438.008	2423.496
7.5	2490.251	2467.032	2452.520	2438.008	2423.496
10.0	2472.836	2452.520	2446.715	2438.008	2426.398
12.5	2455.422	2435.105	2438.008	2435.105	2432.203
15.0	2429.300	2417.691	2426.398	2440.910	2438.008
17.5	2391.569	2385.765	2411.886	2438.008	2440.910
20.0	2359.643	2359.643	2397.374	2435.105	2443.812
22.5	2310.302	2321.912	2377.057	2429.300	2440.910
25.0	2258.059	2275.474	2350.936	2417.691	2435.105
27.5	2191.304	2223.231	2319.010	2400.277	2423.496
30.0	2127.452	2168.085	2281.279	2382.862	2411.886
32.5	2057.795	2104.233	2240.645	2359.643	2391.569
35.0	1982.332	2037.478	2194.207	2333.522	2368.350
37.5	1898.163	1967.820	2147.769	2304.498	2348.034
40.0	1813.994	1892.358	2086.818	2260.962	2313.205
42.5	1729.824	1813.994	2031.673	2223.231	2278.376
45.0	1628.241	1726.922	1959.113	2170.988	2231.938
47.5	1532.462	1634.046	1886.554	2115.842	2182.597
50.0	1442.488	1546.974	1813.994	2057.795	2130.354
52.5	1343.807	1454.097	1732.727	1991.040	2075.209
55.0	1242.223	1352.514	1645.655	1915.577	1996.844
57.5	1146.444	1259.637	1558.583	1840.115	1927.187
60.0	1050.665	1160.956	1465.707	1755.946	1845.920
62.5	951.984	1056.470	1367.026	1665.972	1758.848
65.0	844.595	951.984	1262.540	1570.193	1665.972
67.5	748.817	847.498	1158.054	1468.609	1564.388
70.0	650.135	745.914	1053.568	1367.026	1465.707
72.5	557.259	647.233	946.179	1256.735	1349.611
75.0	464.382	551.454	838.791	1131.932	1227.711
77.5	371.506	452.773	722.695	995.520	1070.982
80.0	290.239	362.799	603.697	841.693	905.546
82.5	211.874	272.825	473.090	658.843	693.671
85.0	136.412	188.655	330.872	426.651	426.651
87.5	72.560	98.681	156.729	214.777	220.582
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	921.00	N.A.	10.50
0-30	2003.93	N.A.	22.80
0-40	3372.4	N.A.	38.30
0-60	6337.62	N.A.	72.00
0-80	8467.61	N.A.	96.20
0-90	8801.3	N.A.	100.00
10-90	8567.23	N.A.	97.30
20-40	2451.4	N.A.	27.90
20-50	3954.18	N.A.	44.90
40-70	4212.33	N.A.	47.90
60-80	2129.99	N.A.	24.20
70-80	882.88	N.A.	10.00
80-90	333.69	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	8801.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	234.07
10-20	686.93
20-30	1082.93
30-40	1368.47
40-50	1502.78
50-60	1462.44
60-70	1247.11
70-80	882.88
80-90	333.69
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

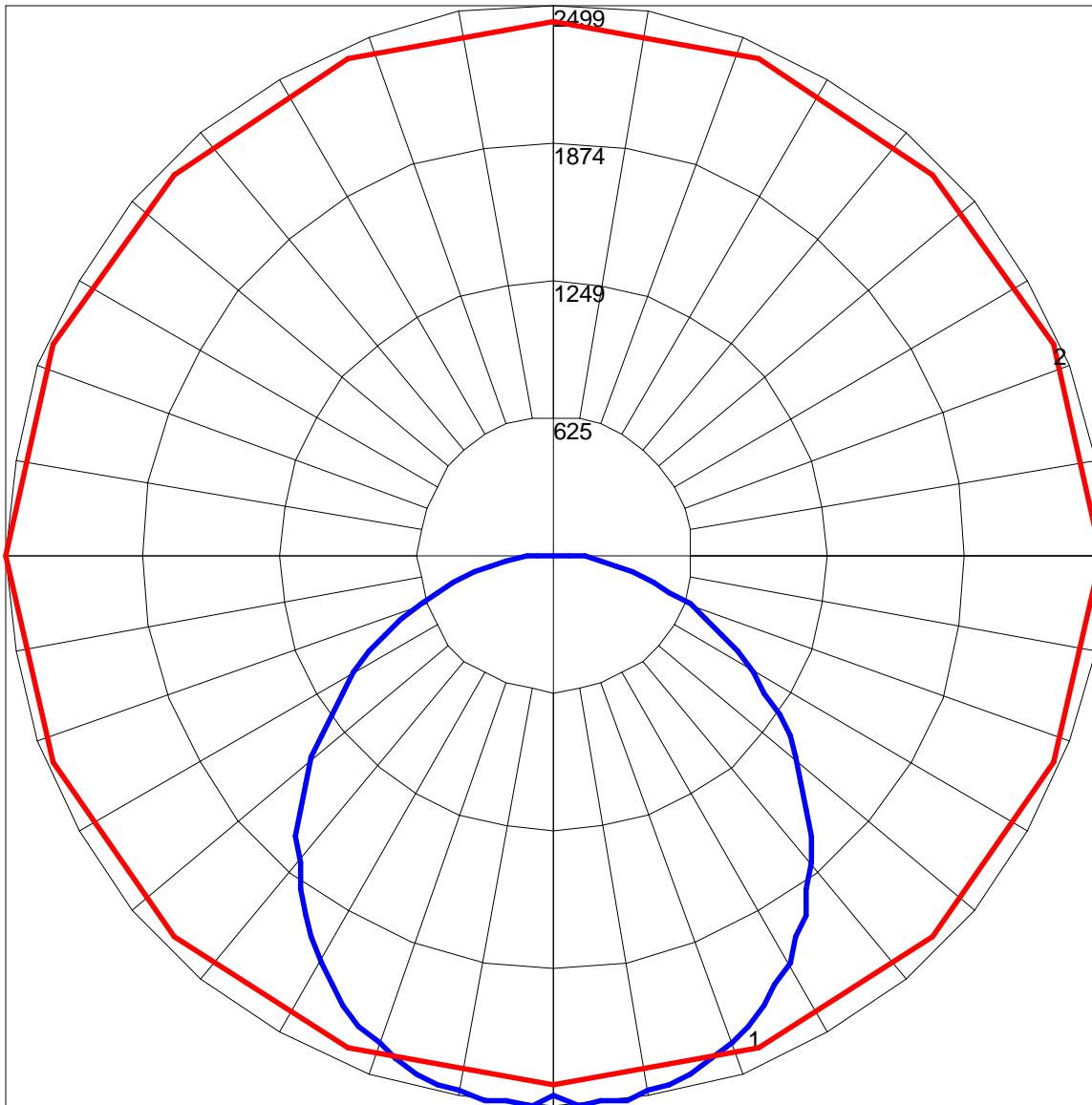
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2498.958 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.)