



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-90L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8893
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/15/17
[TEST DATE]05/15/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-90L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9079
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
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)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3209	3846	4372
55	3004	3977	4837
65	2783	4138	5429
75	2446	4467	6513
85	2190	5275	7110

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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	2541	2541	2541	2541	2541
2.5	2593	2564	2543	2523	2508
5.0	2591	2564	2545	2526	2512
7.5	2583	2557	2544	2528	2516
10.0	2569	2547	2538	2530	2520
12.5	2549	2530	2530	2531	2524
15.0	2522	2508	2519	2530	2528
17.5	2487	2479	2504	2526	2528
20.0	2445	2446	2484	2521	2528
22.5	2394	2404	2461	2513	2524
25.0	2338	2359	2433	2501	2518
27.5	2275	2305	2400	2485	2509
30.0	2206	2247	2363	2466	2495
32.5	2131	2183	2319	2442	2477
35.0	2051	2113	2271	2412	2451
37.5	1966	2038	2217	2377	2423
40.0	1876	1959	2158	2336	2386
42.5	1783	1874	2093	2290	2346
45.0	1688	1785	2023	2238	2300
47.5	1591	1692	1950	2182	2251
50.0	1487	1596	1869	2120	2195
52.5	1383	1496	1786	2051	2133
55.0	1282	1398	1697	1977	2064
57.5	1181	1297	1604	1892	1987
60.0	1079	1193	1507	1805	1894
62.5	976	1089	1404	1706	1804
65.0	875	984	1301	1609	1707
67.5	773	874	1192	1507	1605
70.0	669	767	1084	1400	1499
72.5	566	664	972	1289	1386
75.0	471	561	860	1163	1254
77.5	379	465	746	1019	1103
80.0	294	373	620	867	933
82.5	215	286	487	685	730
85.0	142	194	342	455	461
87.5	72	102	167	175	161
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	955.57	N.A.	10.50
0-30	2076.93	N.A.	22.90
0-40	3492.78	N.A.	38.50
0-60	6550.52	N.A.	72.10
0-80	8737.6	N.A.	96.20
0-90	9079.1	N.A.	100.00
10-90	8836.26	N.A.	97.30
20-40	2537.2	N.A.	27.90
20-50	4088.44	N.A.	45.00
40-70	4339.28	N.A.	47.80
60-80	2187.08	N.A.	24.10
70-80	905.55	N.A.	10.00
80-90	341.50	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	9079.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	242.84
10-20	712.73
20-30	1121.36
30-40	1415.85
40-50	1551.24
50-60	1506.51
60-70	1281.54
70-80	905.55
80-90	341.50
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

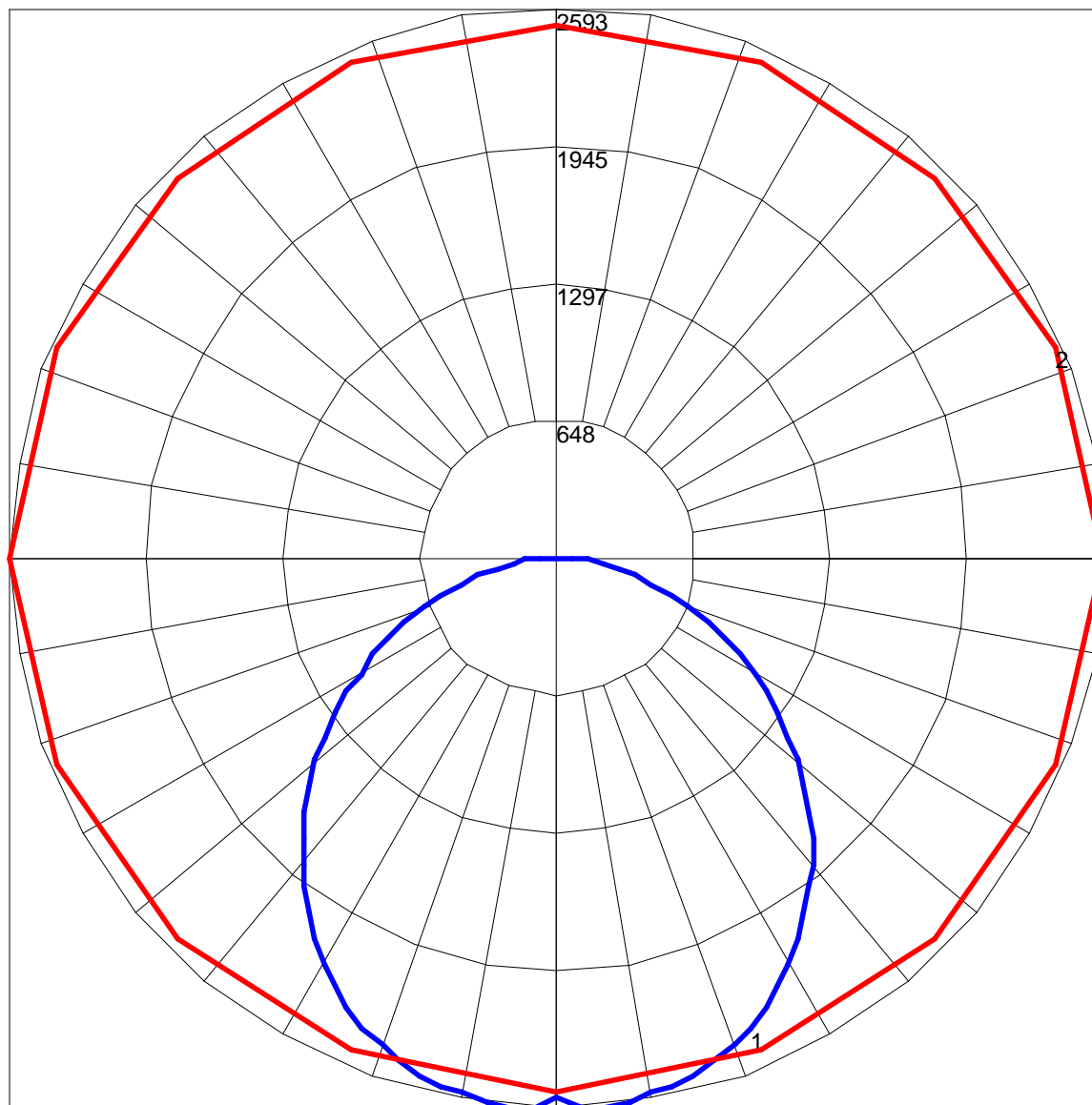
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	87	80	73	94	85	78	73	82	76	71	78	73	69	75	71	68	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	61	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	48	45
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	41	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	25	38	31	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 = 2593 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.)