



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-72L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8899
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/15/17
[TEST DATE]05/15/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-72L-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	7346
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	57
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	2585	3114	3540
55	2435	3220	3916
65	2255	3346	4402
75	1984	3620	5287
85	1758	4319	5815

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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	2051	2051	2051	2051	2051
2.5	2092	2068	2052	2035	2023
5.0	2092	2069	2055	2039	2026
7.5	2086	2064	2053	2041	2030
10.0	2075	2055	2049	2042	2034
12.5	2058	2042	2042	2043	2038
15.0	2037	2025	2034	2044	2042
17.5	2008	2002	2022	2042	2043
20.0	1973	1974	2006	2037	2042
22.5	1935	1941	1988	2031	2041
25.0	1888	1904	1966	2023	2037
27.5	1836	1861	1940	2009	2028
30.0	1782	1815	1911	1995	2018
32.5	1722	1764	1876	1975	2002
35.0	1656	1706	1836	1951	1981
37.5	1588	1647	1793	1923	1958
40.0	1516	1583	1746	1889	1930
42.5	1442	1516	1694	1853	1898
45.0	1360	1443	1638	1811	1862
47.5	1283	1366	1576	1766	1821
50.0	1199	1289	1514	1716	1777
52.5	1119	1212	1446	1660	1727
55.0	1039	1132	1374	1600	1671
57.5	956	1050	1300	1533	1603
60.0	873	966	1221	1460	1535
62.5	792	881	1138	1384	1462
65.0	709	796	1052	1304	1384
67.5	623	706	966	1222	1302
70.0	539	622	877	1136	1216
72.5	459	537	788	1043	1125
75.0	382	455	697	943	1018
77.5	309	377	606	829	890
80.0	239	302	501	700	758
82.5	175	230	393	557	592
85.0	114	157	280	373	377
87.5	56	84	135	148	136
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	771.55	N.A.	10.50
0-30	1677.63	N.A.	22.80
0-40	2822.23	N.A.	38.40
0-60	5296.31	N.A.	72.10
0-80	7068.41	N.A.	96.20
0-90	7346.14	N.A.	100.00
10-90	7150.14	N.A.	97.30
20-40	2050.67	N.A.	27.90
20-50	3305.22	N.A.	45.00
40-70	3512.15	N.A.	47.80
60-80	1772.09	N.A.	24.10
70-80	734.03	N.A.	10.00
80-90	277.73	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	7346.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	196.00
10-20	575.55
20-30	906.08
30-40	1144.6
40-50	1254.54
50-60	1219.54
60-70	1038.07
70-80	734.03
80-90	277.73
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

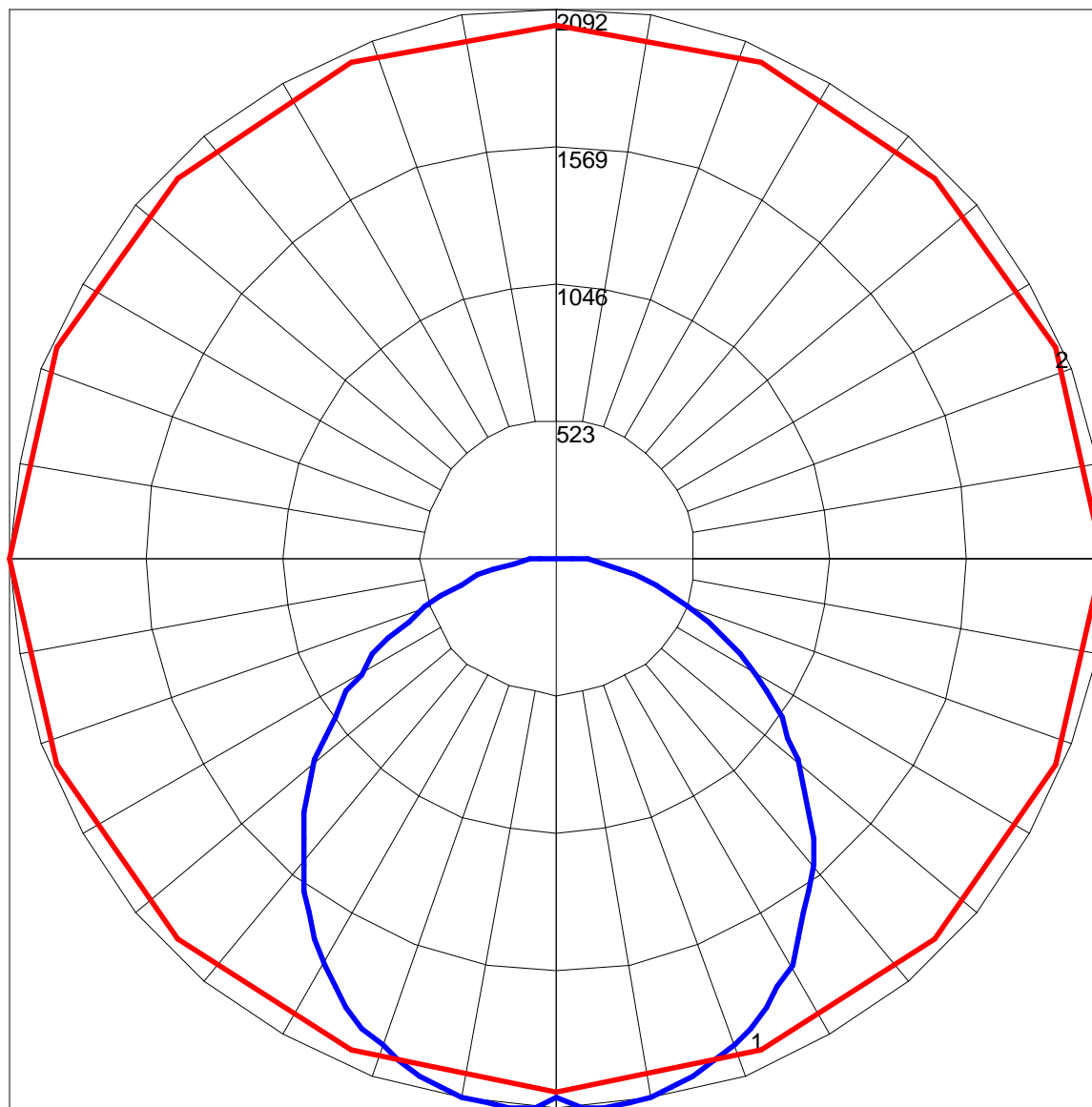
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	47	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	40	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 = 2092 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.)