



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC24-LED-72L-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-72L-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7437
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
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)	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	2643	3180	3623
55	2486	3293	3996
65	2294	3429	4525
75	2059	3720	5445
85	1797	4357	5619

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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	2069.902	2069.902	2069.902	2069.902	2069.902
2.5	2111.594	2087.069	2072.354	2052.734	2040.472
5.0	2109.141	2087.069	2072.354	2060.092	2047.829
7.5	2104.236	2084.617	2072.354	2060.092	2047.829
10.0	2089.522	2072.354	2067.449	2060.092	2050.282
12.5	2074.807	2057.639	2060.092	2057.639	2055.187
15.0	2052.734	2042.924	2050.282	2062.544	2060.092
17.5	2020.852	2015.947	2038.019	2060.092	2062.544
20.0	1993.874	1993.874	2025.757	2057.639	2064.997
22.5	1952.182	1961.992	2008.589	2052.734	2062.544
25.0	1908.037	1922.752	1986.517	2042.924	2057.639
27.5	1851.630	1878.607	1959.540	2028.209	2047.829
30.0	1797.675	1832.010	1927.657	2013.494	2038.019
32.5	1738.815	1778.055	1893.322	1993.874	2020.852
35.0	1675.051	1721.648	1854.083	1971.802	2001.232
37.5	1603.929	1662.788	1814.843	1947.277	1984.064
40.0	1532.806	1599.024	1763.340	1910.490	1954.635
42.5	1461.684	1532.806	1716.743	1878.607	1925.205
45.0	1375.847	1459.232	1655.431	1834.463	1885.965
47.5	1294.915	1380.752	1594.119	1787.865	1844.273
50.0	1218.888	1307.177	1532.806	1738.815	1800.128
52.5	1135.503	1228.698	1464.137	1682.408	1753.530
55.0	1049.666	1142.860	1390.562	1618.643	1687.313
57.5	968.734	1064.381	1316.987	1554.879	1628.453
60.0	887.801	980.996	1238.507	1483.757	1559.784
62.5	804.417	892.706	1155.123	1407.729	1486.209
65.0	713.675	804.417	1066.833	1326.797	1407.729
67.5	632.742	716.127	978.544	1240.960	1321.892
70.0	549.358	630.290	890.254	1155.123	1238.507
72.5	470.878	546.905	799.512	1061.928	1140.408
75.0	392.398	465.973	708.770	956.471	1037.403
77.5	313.919	382.588	610.670	841.204	904.969
80.0	245.249	306.561	510.118	711.222	765.177
82.5	179.032	230.534	399.756	556.715	586.145
85.0	115.267	159.412	279.584	360.516	360.516
87.5	61.312	83.385	132.434	181.484	186.389
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	778.24	N.A.	10.50
0-30	1693.3	N.A.	22.80
0-40	2849.65	N.A.	38.30
0-60	5355.22	N.A.	72.00
0-80	7155.04	N.A.	96.20
0-90	7437.01	N.A.	100.00
10-90	7239.22	N.A.	97.30
20-40	2071.41	N.A.	27.90
20-50	3341.24	N.A.	44.90
40-70	3559.38	N.A.	47.90
60-80	1799.82	N.A.	24.20
70-80	746.02	N.A.	10.00
80-90	281.96	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	7437.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	197.79
10-20	580.45
20-30	915.07
30-40	1156.34
40-50	1269.83
50-60	1235.75
60-70	1053.8
70-80	746.02
80-90	281.96
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

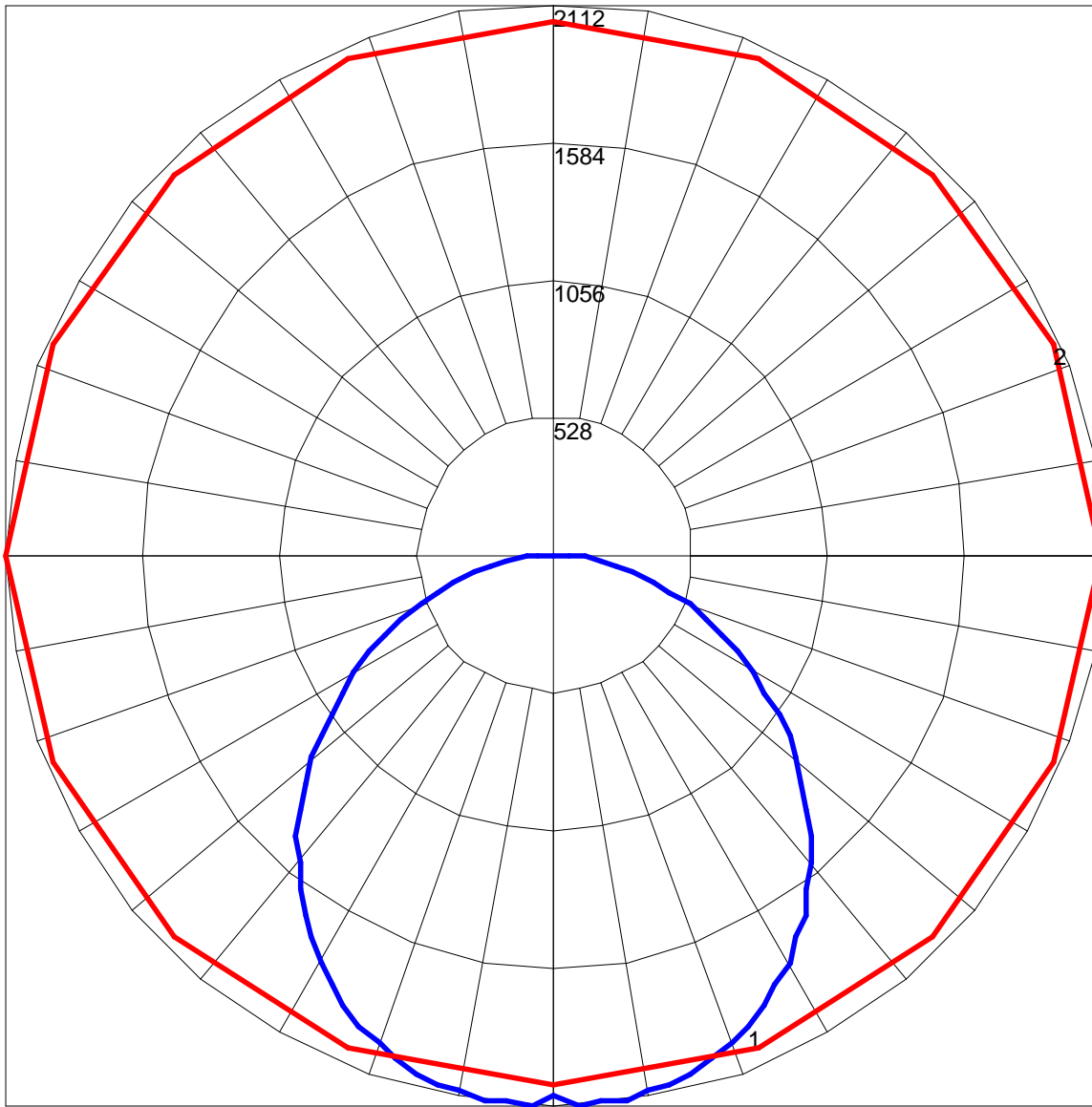
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2111.594 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.)