



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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7121
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
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	2531	3045	3469
55	2380	3153	3826
65	2196	3283	4332
75	1972	3562	5213
85	1720	4172	5380

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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	1981.965	1981.965	1981.965	1981.965	1981.965
2.5	2021.886	1998.403	1984.313	1965.527	1953.786
5.0	2019.538	1998.403	1984.313	1972.572	1960.830
7.5	2014.841	1996.055	1984.313	1972.572	1960.830
10.0	2000.752	1984.313	1979.617	1972.572	1963.179
12.5	1986.662	1970.224	1972.572	1970.224	1967.875
15.0	1965.527	1956.134	1963.179	1974.920	1972.572
17.5	1934.999	1930.303	1951.437	1972.572	1974.920
20.0	1909.168	1909.168	1939.696	1970.224	1977.269
22.5	1869.247	1878.640	1923.258	1965.527	1974.920
25.0	1826.977	1841.067	1902.123	1956.134	1970.224
27.5	1772.966	1798.798	1876.292	1942.044	1960.830
30.0	1721.304	1754.180	1845.764	1927.954	1951.437
32.5	1664.945	1702.517	1812.888	1909.168	1934.999
35.0	1603.889	1648.507	1775.315	1888.033	1916.213
37.5	1535.788	1592.147	1737.742	1864.550	1899.775
40.0	1467.687	1531.092	1688.428	1829.326	1871.595
42.5	1399.587	1467.687	1643.810	1798.798	1843.415
45.0	1317.396	1397.238	1585.102	1756.528	1805.843
47.5	1239.902	1322.093	1526.395	1711.911	1765.922
50.0	1167.105	1251.644	1467.687	1664.945	1723.652
52.5	1087.263	1176.498	1401.935	1610.934	1679.034
55.0	1005.072	1094.308	1331.486	1549.878	1615.630
57.5	927.578	1019.162	1261.037	1488.822	1559.271
60.0	850.085	939.320	1185.891	1420.721	1493.519
62.5	770.242	854.781	1106.049	1347.924	1423.070
65.0	683.355	770.242	1021.510	1270.430	1347.924
67.5	605.861	685.704	936.972	1188.240	1265.734
70.0	526.019	603.513	852.433	1106.049	1185.891
72.5	450.874	523.671	765.546	1016.814	1091.959
75.0	375.728	446.177	678.659	915.837	993.331
77.5	300.582	366.335	584.727	805.467	866.523
80.0	234.830	293.537	488.446	681.007	732.670
82.5	171.426	220.740	382.773	533.064	561.244
85.0	110.370	152.639	267.706	345.200	345.200
87.5	58.707	79.842	126.808	173.774	178.471
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	745.18	N.A.	10.50
0-30	1621.37	N.A.	22.80
0-40	2728.58	N.A.	38.30
0-60	5127.72	N.A.	72.00
0-80	6851.07	N.A.	96.20
0-90	7121.06	N.A.	100.00
10-90	6931.67	N.A.	97.30
20-40	1983.41	N.A.	27.90
20-50	3199.29	N.A.	44.90
40-70	3408.16	N.A.	47.90
60-80	1723.36	N.A.	24.20
70-80	714.33	N.A.	10.00
80-90	269.99	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	7121.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	189.39
10-20	555.79
20-30	876.19
30-40	1107.22
40-50	1215.89
50-60	1183.25
60-70	1009.03
70-80	714.33
80-90	269.99
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

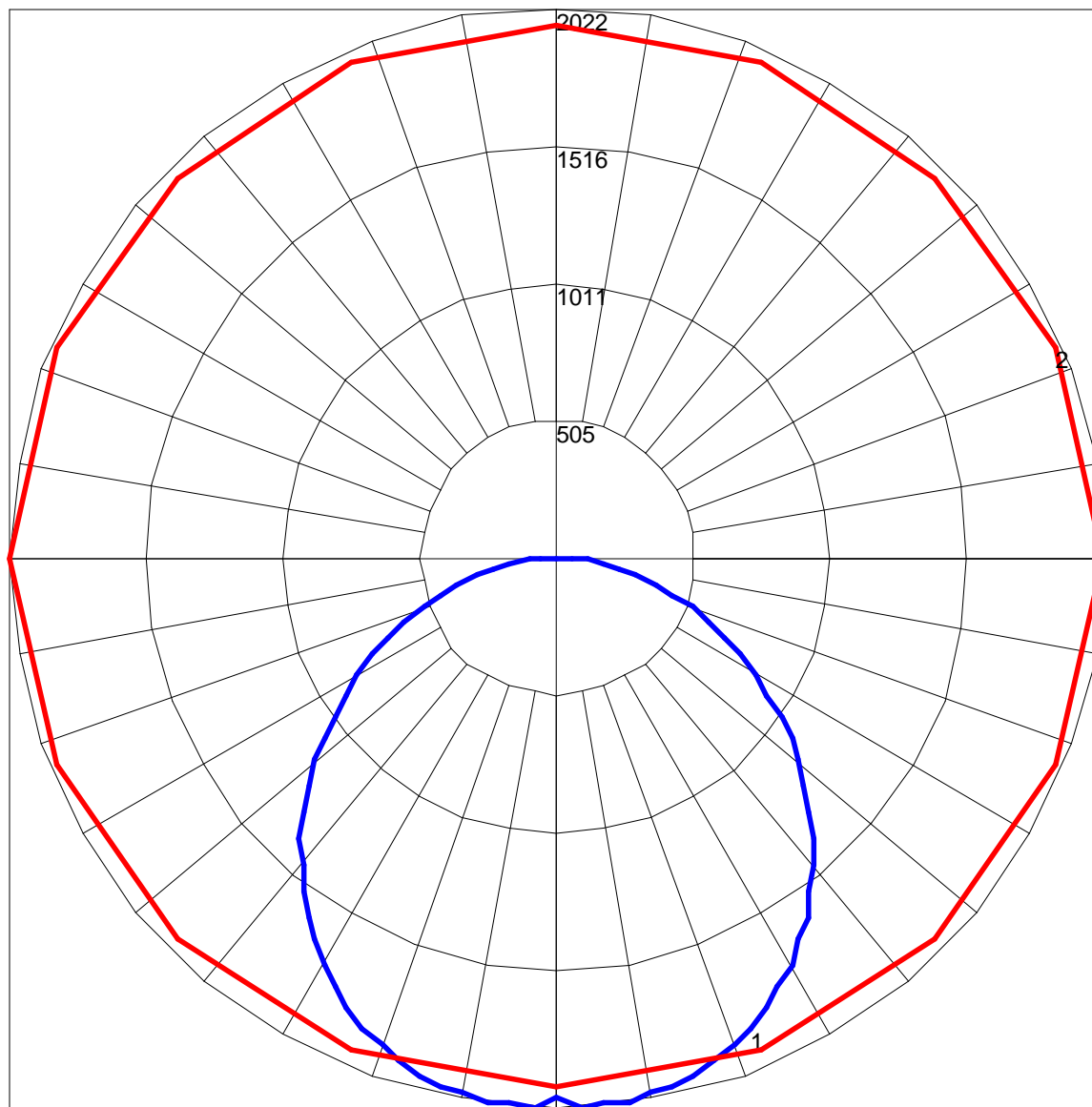
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2021.886 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.)