



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-72L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8781_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/13/17
[TEST DATE]04/18/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC24-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_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7287
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	59.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.46
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	2709	3090	3403
55	2489	3101	3589
65	2308	3201	3901
75	2086	3669	4799
85	1903	4664	4477

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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	2190.418	2190.418	2190.418	2190.418	2190.418
2.5	2243.084	2209.570	2192.812	2171.267	2154.510
5.0	2243.084	2209.570	2192.812	2173.661	2156.904
7.5	2233.509	2202.388	2188.025	2173.661	2156.904
10.0	2221.539	2192.812	2180.843	2171.267	2156.904
12.5	2202.388	2176.055	2171.267	2164.086	2152.116
15.0	2178.449	2152.116	2152.116	2154.510	2144.934
17.5	2144.934	2123.389	2132.965	2142.540	2135.359
20.0	2104.238	2089.875	2109.026	2125.783	2123.389
22.5	2058.754	2051.572	2080.299	2106.632	2109.026
25.0	2008.482	2008.482	2046.784	2085.087	2087.481
27.5	1948.635	1955.816	2006.088	2053.966	2065.936
30.0	1886.393	1900.757	1962.998	2025.239	2037.209
32.5	1814.576	1836.121	1915.120	1986.937	2003.694
35.0	1737.971	1769.092	1862.454	1946.241	1965.392
37.5	1661.367	1697.275	1800.213	1900.757	1924.696
40.0	1579.974	1623.064	1742.759	1850.485	1879.211
42.5	1496.187	1544.065	1675.730	1797.819	1826.546
45.0	1410.007	1460.279	1608.701	1737.971	1771.486
47.5	1316.645	1378.886	1536.884	1678.124	1714.032
50.0	1225.677	1295.100	1460.279	1613.489	1654.185
52.5	1137.102	1208.919	1386.068	1541.672	1584.762
55.0	1050.922	1125.133	1309.463	1469.855	1515.339
57.5	964.742	1043.740	1232.858	1398.038	1441.128
60.0	883.349	959.954	1153.860	1323.827	1366.917
62.5	799.563	878.561	1074.861	1244.828	1290.312
65.0	718.170	797.169	995.862	1168.223	1213.707
67.5	629.596	710.988	921.651	1094.012	1137.102
70.0	550.597	636.777	842.653	1017.407	1060.498
72.5	473.992	562.566	768.442	940.803	986.287
75.0	397.387	490.749	699.019	868.986	914.470
77.5	325.570	423.720	627.202	799.563	835.471
80.0	256.147	359.085	560.173	675.080	679.868
82.5	189.118	292.056	457.235	495.537	473.992
85.0	122.089	222.633	299.237	294.450	287.268
87.5	59.847	122.089	134.058	143.634	143.634
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	818.03	N.A.	11.20
0-30	1761.39	N.A.	24.20
0-40	2923.39	N.A.	40.10
0-60	5318.48	N.A.	73.00
0-80	7006.21	N.A.	96.10
0-90	7287.16	N.A.	100.00
10-90	7078.12	N.A.	97.10
20-40	2105.35	N.A.	28.90
20-50	3339.68	N.A.	45.80
40-70	3367.9	N.A.	46.20
60-80	1687.73	N.A.	23.20
70-80	714.92	N.A.	9.80
80-90	280.95	N.A.	3.90
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	7287.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	209.04
10-20	608.99
20-30	943.36
30-40	1162.00
40-50	1234.33
50-60	1160.76
60-70	972.82
70-80	714.92
80-90	280.95
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

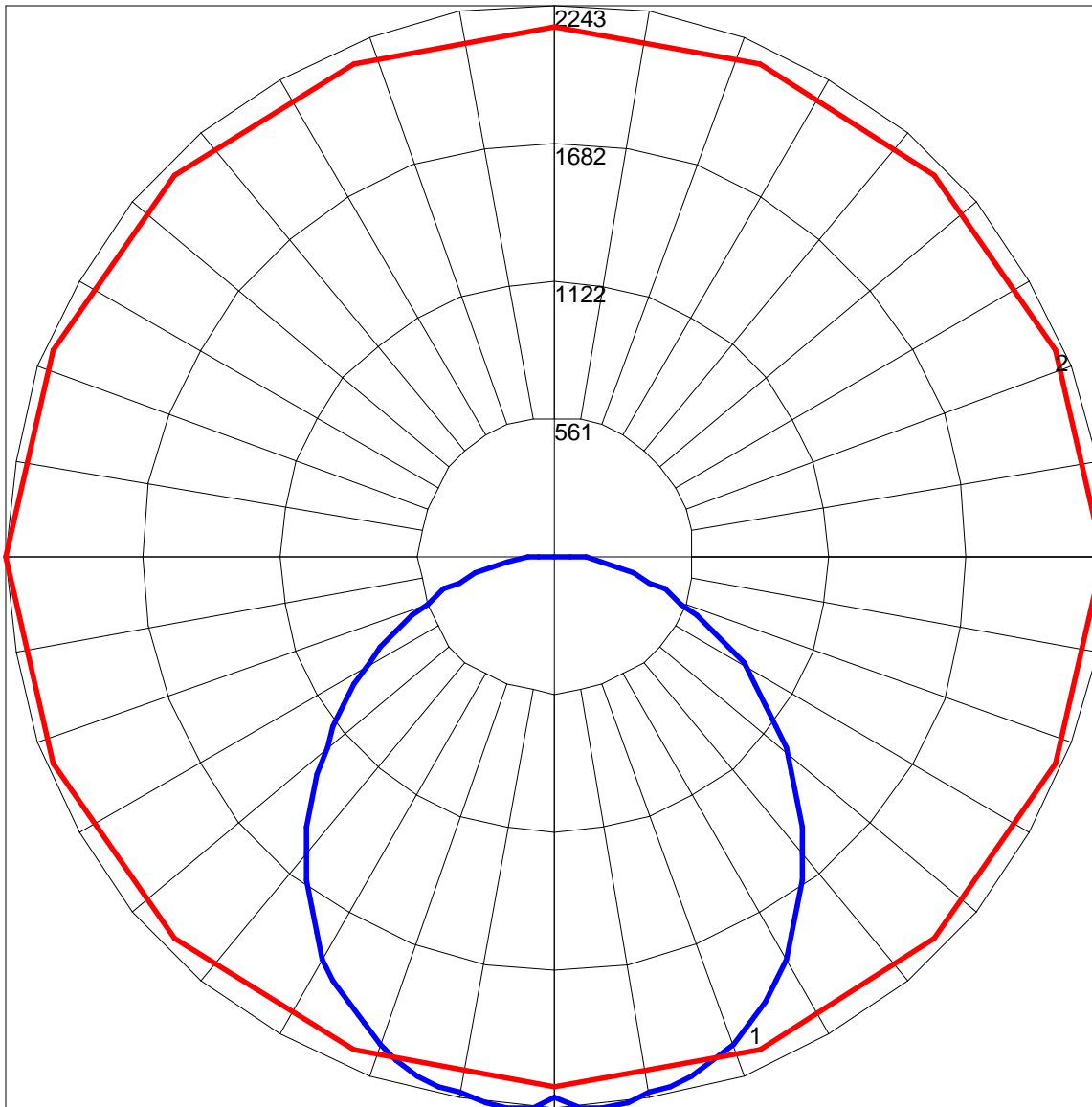
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	104	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 2243.084 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.)