



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-65L-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-65L-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	6531
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	52.6
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	2428	2770	3050
55	2231	2779	3216
65	2069	2869	3496
75	1869	3288	4302
85	1705	4180	4013

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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	1963.169	1963.169	1963.169	1963.169	1963.169
2.5	2010.371	1980.333	1965.315	1946.005	1930.986
5.0	2010.371	1980.333	1965.315	1948.150	1933.132
7.5	2001.789	1973.897	1961.024	1948.150	1933.132
10.0	1991.061	1965.315	1954.587	1946.005	1933.132
12.5	1973.897	1950.296	1946.005	1939.568	1928.840
15.0	1952.441	1928.840	1928.840	1930.986	1922.404
17.5	1922.404	1903.094	1911.676	1920.258	1913.822
20.0	1885.930	1873.056	1890.221	1905.240	1903.094
22.5	1845.164	1838.728	1864.474	1888.075	1890.221
25.0	1800.108	1800.108	1834.437	1868.765	1870.911
27.5	1746.470	1752.906	1797.963	1840.873	1851.601
30.0	1690.686	1703.559	1759.343	1815.127	1825.855
32.5	1626.319	1645.629	1716.432	1780.798	1795.817
35.0	1557.662	1585.554	1669.230	1744.324	1761.488
37.5	1489.005	1521.188	1613.446	1703.559	1725.014
40.0	1416.056	1454.676	1561.953	1658.502	1684.249
42.5	1340.962	1383.873	1501.878	1611.301	1637.047
45.0	1263.723	1308.779	1441.803	1557.662	1587.700
47.5	1180.047	1235.831	1377.437	1504.024	1536.207
50.0	1098.516	1160.737	1308.779	1446.094	1482.568
52.5	1019.131	1083.498	1242.268	1381.728	1420.347
55.0	941.892	1008.404	1173.610	1317.362	1358.127
57.5	864.653	935.455	1104.953	1252.995	1291.615
60.0	791.704	860.362	1034.150	1186.484	1225.103
62.5	716.610	787.413	963.347	1115.681	1156.446
65.0	643.662	714.465	892.545	1047.024	1087.789
67.5	564.277	637.225	826.033	980.512	1019.131
70.0	493.474	570.714	755.230	911.854	950.474
72.5	424.817	504.202	688.718	843.197	883.962
75.0	356.160	439.836	626.498	778.831	819.596
77.5	291.793	379.761	562.131	716.610	748.793
80.0	229.573	321.831	502.056	605.042	609.333
82.5	169.498	261.756	409.798	444.127	424.817
85.0	109.423	199.535	268.192	263.901	257.465
87.5	53.638	109.423	120.150	128.732	128.732
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	733.16	N.A.	11.20
0-30	1578.65	N.A.	24.20
0-40	2620.1	N.A.	40.10
0-60	4766.7	N.A.	73.00
0-80	6279.33	N.A.	96.10
0-90	6531.14	N.A.	100.00
10-90	6343.78	N.A.	97.10
20-40	1886.93	N.A.	28.90
20-50	2993.2	N.A.	45.80
40-70	3018.49	N.A.	46.20
60-80	1512.63	N.A.	23.20
70-80	640.75	N.A.	9.80
80-90	251.80	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	6531.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	187.35
10-20	545.81
20-30	845.49
30-40	1041.44
40-50	1106.27
50-60	1040.33
60-70	871.89
70-80	640.75
80-90	251.80
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

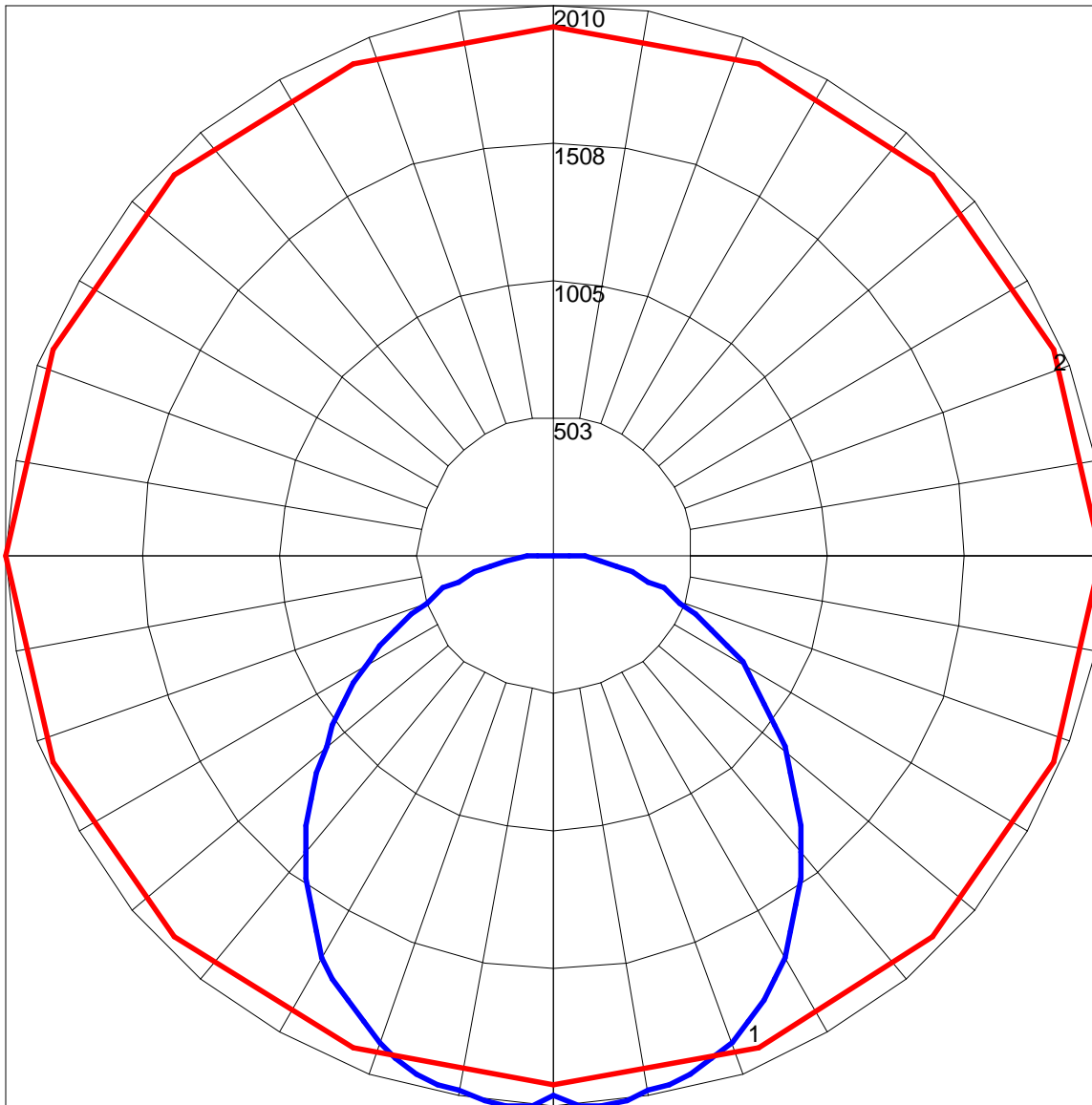
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2010.371 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.)