



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-65L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/11/17
[TEST DATE]04/28/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-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	6341
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	51.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4921	5507	5984
55	4565	5478	6214
65	4237	5576	6395
75	3883	5548	5385
85	3586	5039	5621

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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	2001.257	2001.257	2001.257	2001.257	2001.257
2.5	2051.524	2020.107	2004.398	1985.548	1976.123
5.0	2045.240	2016.965	2004.398	1985.548	1969.840
7.5	2035.815	2010.682	1998.115	1982.406	1972.981
10.0	2035.815	2004.398	1994.973	1982.406	1969.840
12.5	2013.823	1985.548	1982.406	1972.981	1963.556
15.0	1991.831	1966.698	1969.840	1969.840	1957.273
17.5	1966.698	1944.706	1947.848	1954.131	1947.848
20.0	1925.856	1910.148	1919.573	1932.139	1928.998
22.5	1885.014	1875.589	1891.297	1913.289	1910.148
25.0	1844.172	1834.747	1863.022	1888.156	1888.156
27.5	1787.622	1787.622	1825.322	1859.880	1866.164
30.0	1727.930	1740.496	1784.480	1828.464	1837.889
32.5	1661.954	1677.662	1737.355	1790.763	1800.188
35.0	1599.120	1621.112	1690.229	1756.205	1768.771
37.5	1523.720	1551.995	1633.679	1709.079	1724.788
40.0	1454.602	1486.019	1580.270	1661.954	1680.804
42.5	1369.777	1407.477	1514.295	1602.262	1627.395
45.0	1294.376	1332.077	1448.319	1548.853	1573.987
47.5	1212.692	1262.959	1385.485	1495.444	1523.720
50.0	1131.008	1184.417	1313.226	1429.469	1454.602
52.5	1052.466	1109.017	1247.251	1360.352	1394.910
55.0	973.924	1030.474	1168.709	1291.235	1325.793
57.5	895.382	958.215	1102.733	1222.117	1256.676
60.0	819.981	882.815	1024.191	1143.575	1181.275
62.5	738.297	801.131	948.790	1065.033	1093.308
65.0	666.038	725.730	876.532	986.491	1005.341
67.5	584.354	644.046	794.848	879.673	889.098
70.0	508.954	578.071	713.164	769.714	760.289
72.5	442.978	512.095	628.338	656.613	640.905
75.0	373.861	442.978	534.087	530.946	518.379
77.5	307.886	380.144	436.695	424.128	405.278
80.0	238.768	301.602	333.019	320.452	314.169
82.5	172.793	229.343	245.052	241.910	241.910
85.0	116.243	153.943	163.368	172.793	182.218
87.5	59.692	78.542	78.542	84.826	87.967
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	747.17	N.A.	11.80
0-30	1605.71	N.A.	25.30
0-40	2660.23	N.A.	42.00
0-60	4812.49	N.A.	75.90
0-80	6170.97	N.A.	97.30
0-90	6340.68	N.A.	100.00
10-90	6149.72	N.A.	97.00
20-40	1913.06	N.A.	30.20
20-50	3026.26	N.A.	47.70
40-70	2992.85	N.A.	47.20
60-80	1358.48	N.A.	21.40
70-80	517.89	N.A.	8.20
80-90	169.71	N.A.	2.70
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	6340.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	190.95
10-20	556.21
20-30	858.54
30-40	1054.52
40-50	1113.2
50-60	1039.06
60-70	840.59
70-80	517.89
80-90	169.71
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

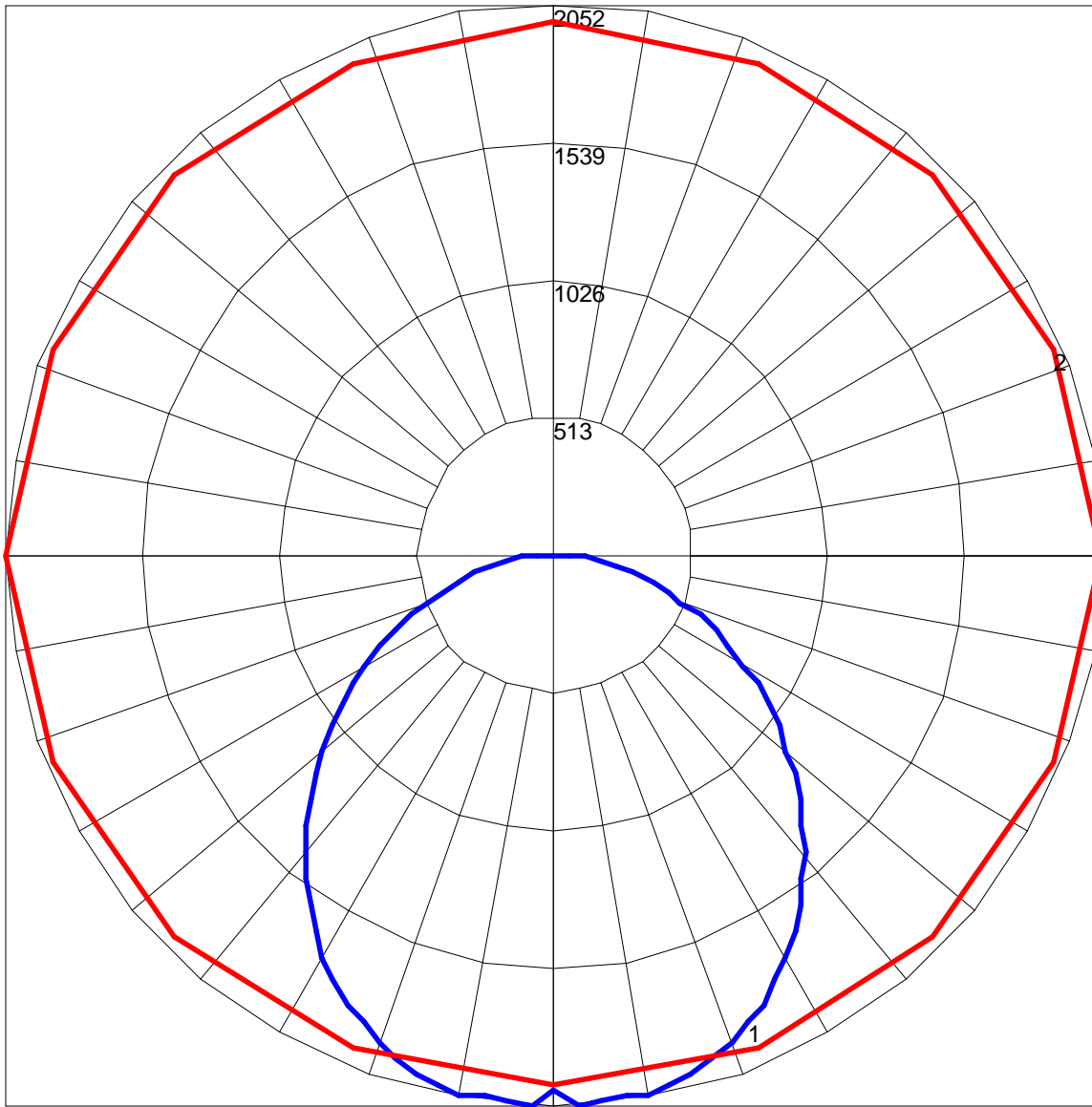
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 2051.524 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.)