



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-70L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9752_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]02/22/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]S4-LED-70L-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	6865
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	47.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	25455	24521	23951
55	25565	24478	23775
65	24808	23160	22639
75	21954	20537	20254
85	15562	16404	16404

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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	2093.028	2093.028	2093.028	2093.028	2093.028
2.5	2157.796	2106.663	2089.619	2072.575	2055.530
5.0	2161.205	2110.072	2093.028	2075.984	2055.530
7.5	2154.387	2106.663	2086.210	2069.166	2048.713
10.0	2150.978	2103.254	2079.392	2065.757	2045.304
12.5	2147.569	2096.437	2075.984	2058.939	2038.486
15.0	2137.343	2089.619	2065.757	2048.713	2031.669
17.5	2120.298	2075.984	2052.122	2031.669	2014.624
20.0	2103.254	2055.530	2031.669	2011.216	1997.580
22.5	2079.392	2035.077	2011.216	1990.763	1977.127
25.0	2055.530	2014.624	1983.945	1966.901	1949.856
27.5	2028.260	1987.354	1956.674	1939.630	1922.586
30.0	1990.763	1953.265	1922.586	1902.133	1885.088
32.5	1949.856	1912.359	1878.271	1861.227	1844.182
35.0	1905.542	1864.635	1833.956	1816.912	1799.867
37.5	1854.409	1820.321	1786.232	1769.188	1748.735
40.0	1806.685	1765.779	1731.691	1714.646	1701.011
42.5	1741.917	1707.829	1673.740	1656.696	1643.061
45.0	1673.740	1643.061	1612.381	1591.928	1574.884
47.5	1602.155	1571.475	1544.204	1527.160	1510.116
50.0	1527.160	1496.481	1465.801	1452.166	1438.530
52.5	1445.348	1414.669	1387.398	1366.945	1360.127
55.0	1363.536	1332.856	1305.586	1281.724	1268.088
57.5	1274.906	1244.227	1213.547	1186.276	1176.050
60.0	1182.867	1148.779	1121.508	1094.238	1087.420
62.5	1080.602	1056.740	1012.425	991.972	988.564
65.0	974.928	947.658	910.160	889.707	889.707
67.5	865.845	845.392	811.304	794.260	790.851
70.0	753.354	729.492	705.630	691.995	685.177
72.5	640.862	623.818	603.365	593.138	589.729
75.0	528.370	507.917	494.282	487.464	487.464
77.5	422.696	402.243	398.834	388.608	392.017
80.0	320.431	303.387	303.387	293.160	296.569
82.5	218.166	207.939	211.348	204.530	204.530
85.0	126.127	129.536	132.945	126.127	132.945
87.5	51.133	57.950	64.768	61.359	61.359
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	785.18	N.A.	11.40
0-30	1704.41	N.A.	24.80
0-40	2857.83	N.A.	41.60
0-60	5272.96	N.A.	76.80
0-80	6715.23	N.A.	97.80
0-90	6864.71	N.A.	100.00
10-90	6665.02	N.A.	97.10
20-40	2072.65	N.A.	30.20
20-50	3320.22	N.A.	48.40
40-70	3326.24	N.A.	48.50
60-80	1442.27	N.A.	21.00
70-80	531.17	N.A.	7.70
80-90	149.48	N.A.	2.20
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	6864.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	199.68
10-20	585.50
20-30	919.23
30-40	1153.42
40-50	1247.58
50-60	1167.56
60-70	911.10
70-80	531.17
80-90	149.48
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

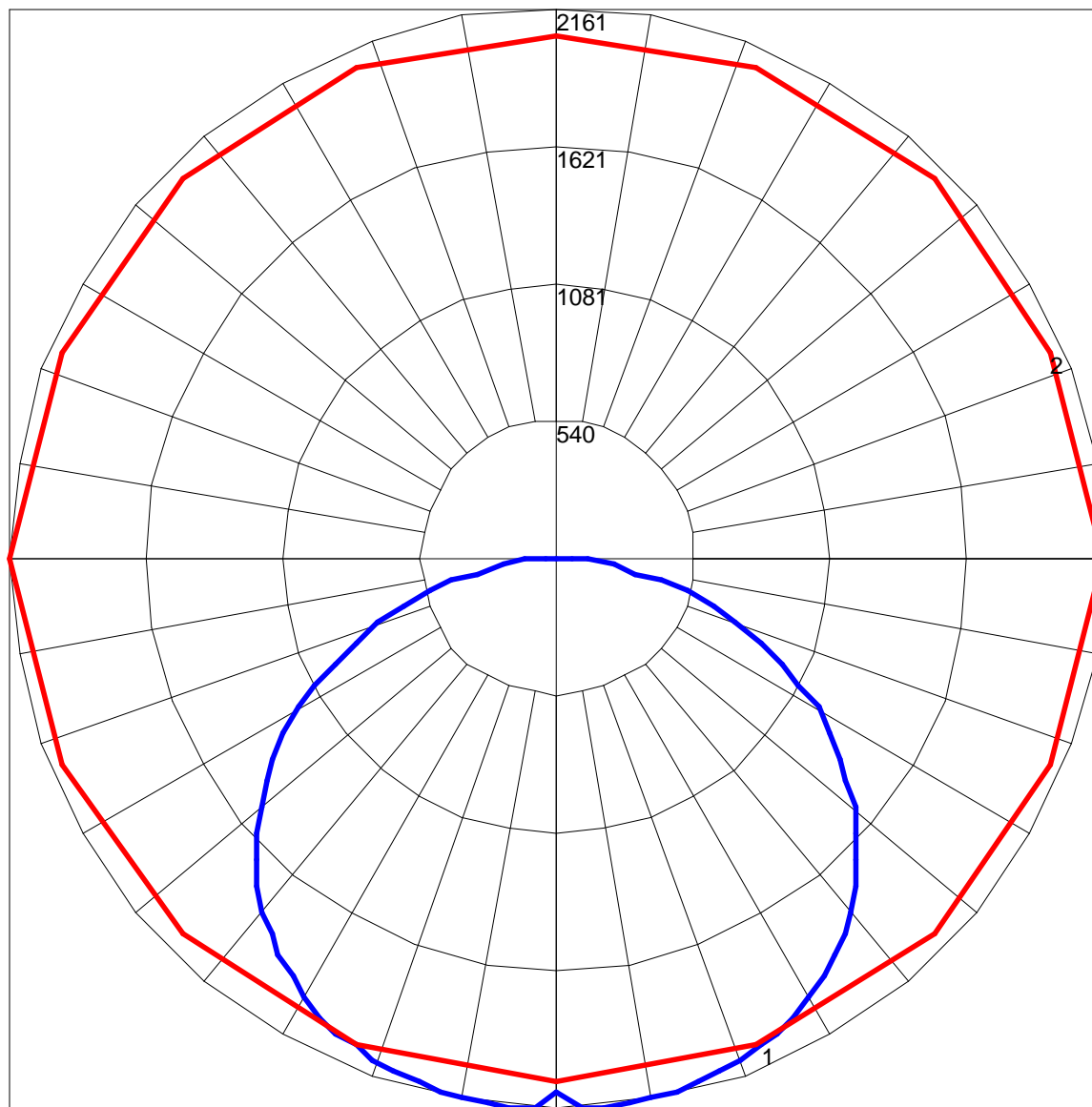
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	95	106	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	52	65	58	52	63	56	51	60	55	50	48
5	75	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	33	31
8	59	45	36	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

POLAR GRAPH



Maximum Candela = 2161.205 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)