



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-70L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9722
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/15/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S4-LED-70L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7021
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	47.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
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	25915	25063	24576
55	25892	25048	24261
65	25217	23944	22952
75	22354	20858	20526
85	16287	16657	16040

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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	2139	2139	2139	2139	2139
2.5	2198	2156	2139	2124	2097
5.0	2200	2158	2140	2125	2098
7.5	2199	2157	2139	2122	2096
10.0	2194	2153	2134	2116	2091
12.5	2186	2146	2126	2108	2084
15.0	2175	2136	2114	2097	2073
17.5	2162	2121	2100	2083	2059
20.0	2144	2105	2082	2064	2042
22.5	2121	2085	2059	2042	2020
25.0	2093	2061	2034	2014	1995
27.5	2063	2033	2004	1983	1965
30.0	2027	1998	1968	1948	1931
32.5	1986	1959	1928	1908	1890
35.0	1940	1913	1881	1864	1843
37.5	1889	1863	1831	1813	1793
40.0	1833	1809	1775	1757	1739
42.5	1773	1748	1715	1698	1680
45.0	1704	1682	1648	1633	1616
47.5	1634	1611	1579	1563	1545
50.0	1557	1533	1502	1486	1469
52.5	1469	1453	1423	1401	1387
55.0	1381	1366	1336	1313	1294
57.5	1290	1276	1246	1218	1201
60.0	1195	1181	1150	1120	1100
62.5	1095	1082	1046	1015	1002
65.0	991	975	941	913	902
67.5	879	866	830	812	802
70.0	768	750	717	709	701
72.5	651	633	610	603	600
75.0	538	519	502	501	494
77.5	427	409	401	400	390
80.0	320	306	305	300	296
82.5	221	212	216	212	208
85.0	132	130	135	133	130
87.5	56	62	67	69	66
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	803.24	N.A.	11.40
0-30	1743.71	N.A.	24.80
0-40	2924.75	N.A.	41.70
0-60	5395.91	N.A.	76.80
0-80	6868.23	N.A.	97.80
0-90	7021.4	N.A.	100.00
10-90	6817.06	N.A.	97.10
20-40	2121.51	N.A.	30.20
20-50	3398.09	N.A.	48.40
40-70	3403.42	N.A.	48.50
60-80	1472.32	N.A.	21.00
70-80	540.06	N.A.	7.70
80-90	153.17	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	7021.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	204.34
10-20	598.90
20-30	940.47
30-40	1181.04
40-50	1276.57
50-60	1194.59
60-70	932.26
70-80	540.06
80-90	153.17
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

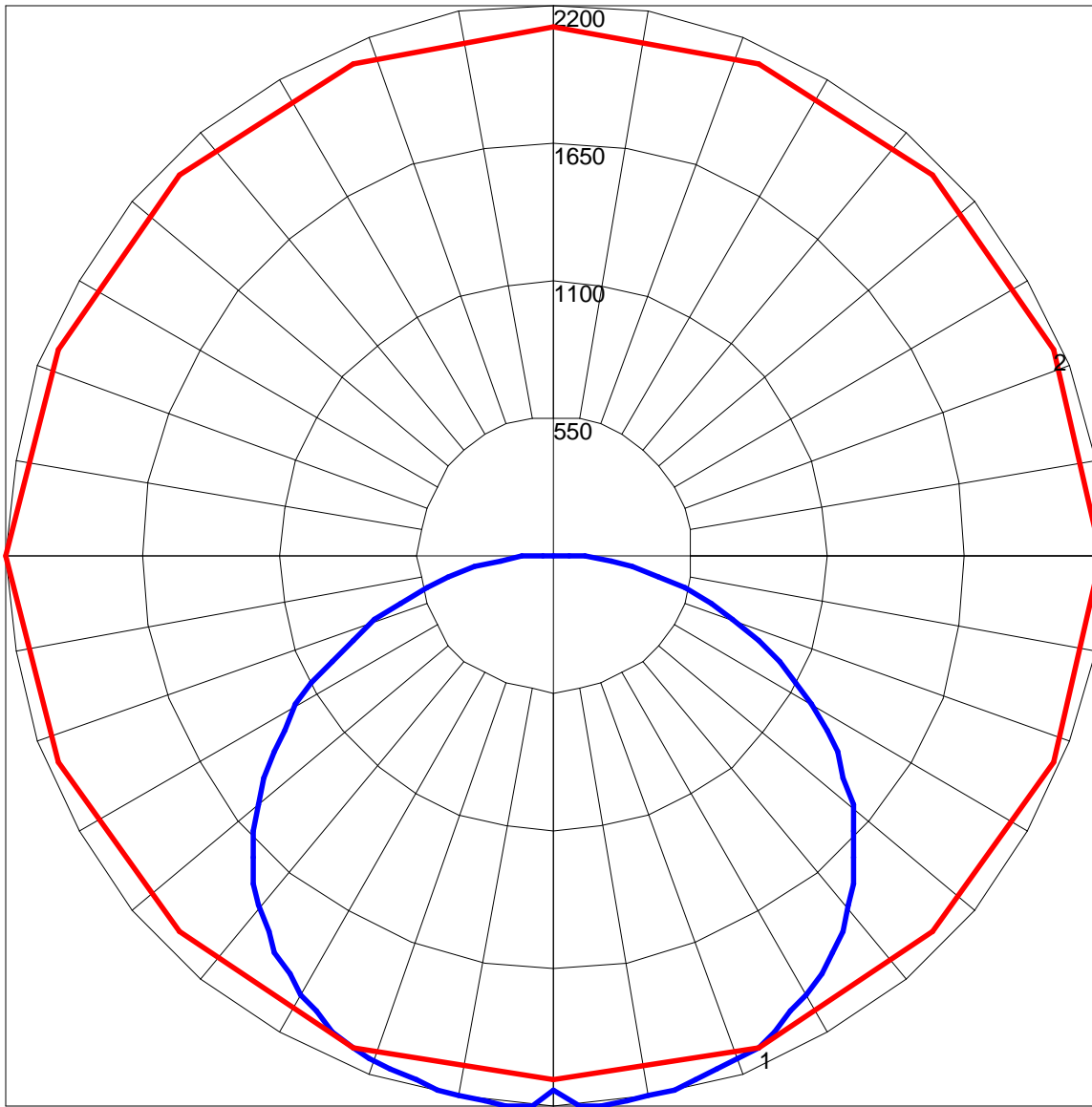
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	88	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	74	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	37	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 = 2200 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.)