



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-70L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9762
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/23/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S8-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	7057
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	47.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	8.00 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	12821	12668	12562
55	12815	12637	12487
65	12265	12023	11858
75	10803	10512	10387
85	7527	8205	8082

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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	2167	2167	2167	2167	2167
2.5	2193	2172	2163	2164	2172
5.0	2195	2173	2165	2167	2174
7.5	2192	2171	2162	2166	2172
10.0	2187	2166	2157	2161	2166
12.5	2179	2157	2148	2152	2157
15.0	2167	2146	2137	2139	2144
17.5	2149	2131	2122	2123	2127
20.0	2128	2111	2103	2103	2107
22.5	2103	2087	2080	2079	2083
25.0	2074	2060	2053	2051	2055
27.5	2043	2027	2023	2018	2021
30.0	2004	1990	1986	1981	1983
32.5	1964	1950	1944	1937	1940
35.0	1918	1904	1898	1889	1895
37.5	1866	1854	1847	1838	1843
40.0	1810	1799	1792	1782	1783
42.5	1750	1739	1732	1718	1722
45.0	1686	1671	1666	1649	1652
47.5	1615	1601	1595	1575	1581
50.0	1539	1526	1517	1499	1504
52.5	1457	1443	1437	1417	1421
55.0	1367	1352	1348	1330	1332
57.5	1269	1262	1253	1239	1241
60.0	1171	1167	1152	1139	1142
62.5	1070	1067	1050	1038	1035
65.0	964	964	945	929	932
67.5	856	856	837	822	819
70.0	746	746	724	711	711
72.5	631	631	614	606	605
75.0	520	514	506	502	500
77.5	407	402	398	398	400
80.0	303	300	301	303	299
82.5	206	207	212	211	212
85.0	122	127	133	129	131
87.5	55	60	65	62	64
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	813.33	N.A.	11.50
0-30	1762.31	N.A.	25.00
0-40	2950.91	N.A.	41.80
0-60	5434.24	N.A.	77.00
0-80	6906.68	N.A.	97.90
0-90	7056.55	N.A.	100.00
10-90	6849.45	N.A.	97.10
20-40	2137.58	N.A.	30.30
20-50	3420.5	N.A.	48.50
40-70	3417.91	N.A.	48.40
60-80	1472.44	N.A.	20.90
70-80	537.86	N.A.	7.60
80-90	149.86	N.A.	2.10
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	7056.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	207.10
10-20	606.23
20-30	948.98
30-40	1188.6
40-50	1282.92
50-60	1200.41
60-70	934.58
70-80	537.86
80-90	149.86
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

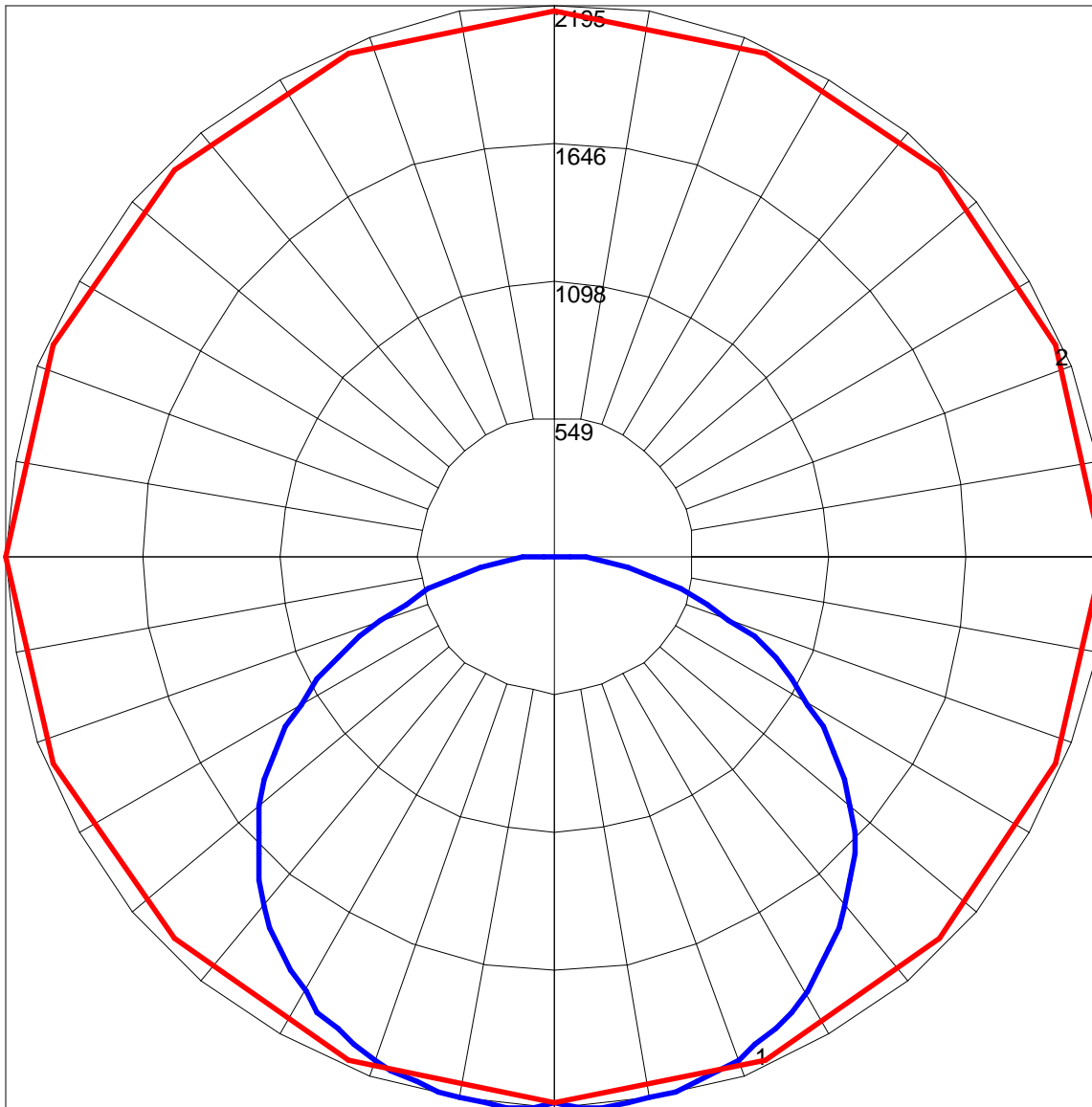
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	90	82	77	95	88	81	76	84	79	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	53	65	58	52	63	56	51	61	55	50	48
5	75	61	52	45	72	60	52	45	58	50	45	56	49	44	54	48	44	41
6	69	55	46	39	67	54	45	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	41	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	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 2195 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.)