IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-70L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9798
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]03/30/2018
[TESTDATE]02/27/18
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-70L-35
[_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	7093
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	47.4
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	12790	12737	12676
55	12777	12740	12487
65	12316	12112	11794
75	10907	10574	10471
85	7465	8082	8144

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	2176	2176	2176	2176	2176
2.5	2183	2184	2176	2180	2184
5.0	2181	2186	2178	2181	2186
7.5	2178	2185	2175	2179	2184
10.0	2174	2180	2170	2174	2180
12.5	2165	2172	2162	2165	2171
15.0	2155	2160	2151	2153	2158
17.5	2139	2144	2135	2137	2142
20.0	2120	2125	2116	2117	2122
22.5	2096	2100	2092	2093	2099
25.0	2069	2073	2065	2065	2070
27.5	2038	2041	2033	2030	2034
30.0	2004	2005	1997	1993	1995
32.5	1964	1963	1956	1949	1953
35.0	1919	1918	1910	1900	1905
37.5	1868	1869	1859	1847	1853
40.0	1813	1812	1804	1790	1796
42.5	1748	1751	1743	1728	1734
45.0	1682	1682	1675	1661	1667
47.5	1607	1610	1605	1589	1594
50.0	1530	1534	1529	1510	1516
52.5	1448	1453	1447	1425	1432
55.0	1363	1367	1359	1336	1332
57.5	1272	1277	1266	1241	1236
60.0	1176	1178	1165	1138	1136
62.5	1076	1076	1059	1035	1033
65.0	968	970	952	930	927
67.5	861	863	840	824	824
70.0	746	750	729	715	717
72.5	635	637	617	608	612
75.0	525	522	509	502	504
77.5	417	411	403	396	397
80.0	312	305	306	300	300
82.5	210	209	214	209	210
85.0	121	127	131	129	132
87.5	52	58	62	57	58
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	817.30	N.A.	11.50
0-30	1771.24	N.A.	25.00
0-40	2966.52	N.A.	41.80
0-60	5463.45	N.A.	77.00
0-80	6944.09	N.A.	97.90
0-90	7093.43	N.A.	100.00
10-90	6885.39	N.A.	97.10
20-40	2149.22	N.A.	30.30
20-50	3439.28	N.A.	48.50
40-70	3435.64	N.A.	48.40
60-80	1480.64	N.A.	20.90
70-80	541.92	N.A.	7.60
80-90	149.35	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	7093.43	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	208.04
10-20	609.26
20-30	953.94
30-40	1195.29
40-50	1290.05
50-60	1206.87
60-70	938.72
70-80	541.92
80-90	149.35
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

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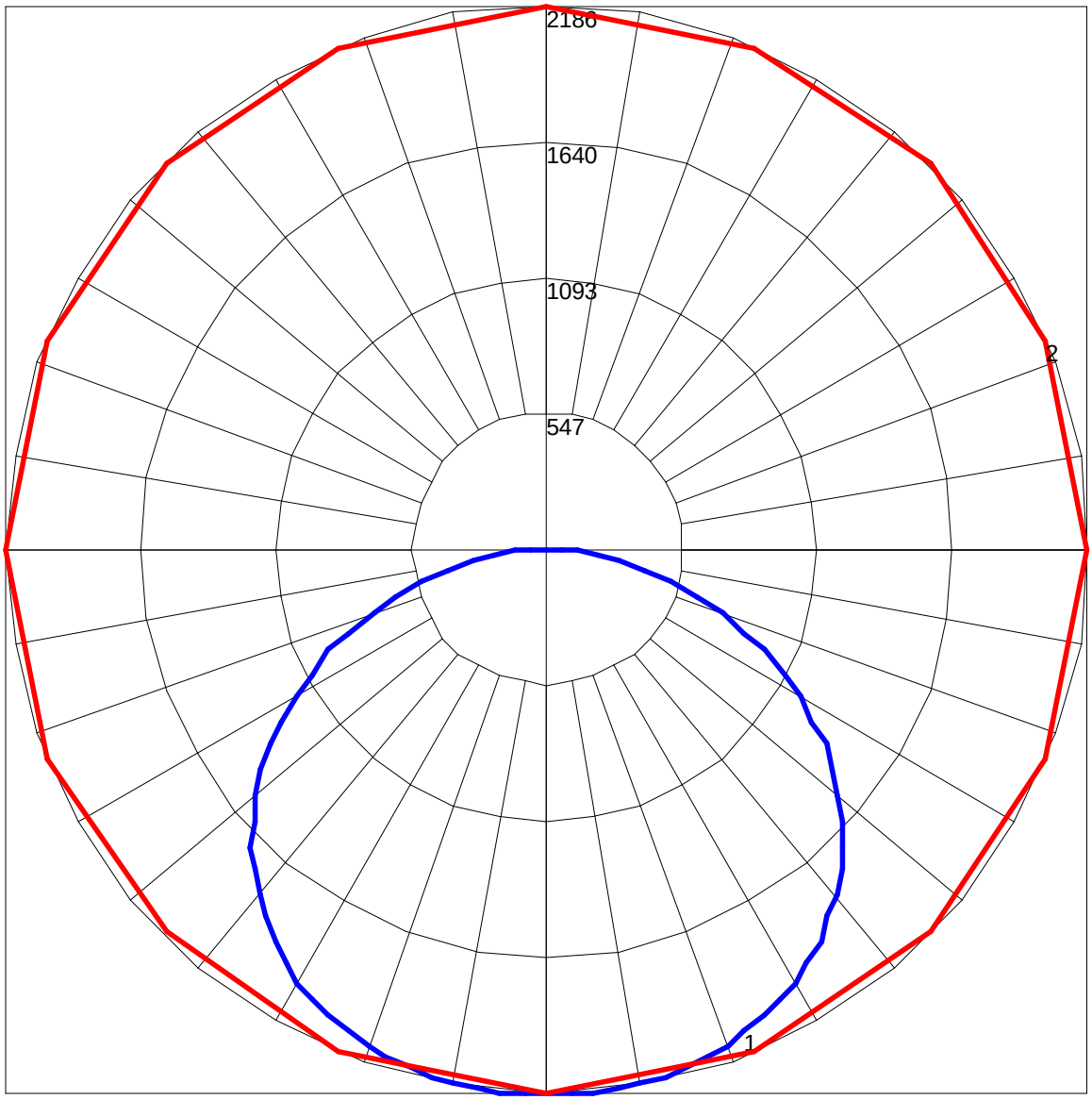
POLAR GRAPH



Maximum Candela = 2186 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)