



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-4-60L-840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12471
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 02/17/21
 [TESTDATE] 02/03/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] SW-4-60L-840
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Indoor
 [SEARCH_COLORTEMP] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5940
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	44
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.90 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.23 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10027	7648	7160
55	8412	6472	6604
65	6686	5711	6708
75	5089	5404	6692
85	3024	5207	6001

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-4-60L-840.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1617	1617	1617	1617	1617
2.5	1659	1631	1619	1607	1595
5.0	1657	1631	1621	1612	1600
7.5	1651	1628	1622	1614	1603
10.0	1640	1621	1617	1610	1600
12.5	1624	1609	1606	1601	1592
15.0	1603	1592	1591	1587	1577
17.5	1577	1569	1569	1565	1557
20.0	1546	1542	1542	1538	1530
22.5	1509	1510	1511	1505	1496
25.0	1466	1472	1473	1467	1456
27.5	1417	1428	1430	1423	1412
30.0	1365	1379	1383	1376	1365
32.5	1305	1325	1331	1326	1314
35.0	1242	1266	1275	1270	1261
37.5	1176	1201	1215	1217	1209
40.0	1106	1135	1155	1162	1157
42.5	1026	1066	1095	1109	1109
45.0	953	998	1034	1060	1065
47.5	879	928	974	1013	1024
50.0	807	862	918	968	989
52.5	734	795	865	930	957
55.0	664	732	812	895	932
57.5	596	669	765	865	913
60.0	532	609	718	840	896
62.5	470	549	677	817	882
65.0	404	497	639	798	867
67.5	349	446	604	778	849
70.0	296	400	572	756	827
72.5	248	358	543	732	797
75.0	204	320	513	701	759
77.5	163	284	486	665	718
80.0	126	250	457	624	670
82.5	89	220	425	580	619
85.0	56	189	391	532	565
87.5	28	160	354	481	509
90.0	4	133	320	429	454
92.5	1	126	299	395	415
95.0	1	121	282	368	384
97.5	1	116	265	340	355
100.0	1	112	249	317	329
102.5	1	107	235	295	307
105.0	1	101	221	276	286
107.5	1	94	208	259	270
110.0	1	88	199	244	254
112.5	1	79	187	232	242
115.0	1	69	176	221	231
117.5	1	60	166	211	221
120.0	1	52	154	202	212
122.5	1	44	142	191	203
125.0	1	36	131	179	192
127.5	1	29	118	168	180
130.0	1	21	106	154	168
132.5	1	15	94	142	156

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-4-60L-840.IES

CANDELA TABULATION - (Cont.)

135.0	1	7	83	130	143
137.5	1	2	71	116	131
140.0	1	1	59	103	117
142.5	1	1	49	90	103
145.0	1	1	37	76	89
147.5	1	1	26	62	75
150.0	1	1	16	49	59
152.5	1	1	4	35	46
155.0	1	1	1	22	32
157.5	1	1	1	9	18
160.0	1	1	1	1	4
162.5	1	1	1	1	1
165.0	1	1	1	1	1
167.5	2	1	1	1	1
170.0	1	1	1	1	1
172.5	2	1	1	1	1
175.0	2	1	1	1	1
177.5	2	1	1	1	1
180.0	1	1	1	1	1

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-4-60L-840.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	603.08	N.A.	10.20
0-30	1278.61	N.A.	21.50
0-40	2069.77	N.A.	34.80
0-60	3588.77	N.A.	60.40
0-80	4758.98	N.A.	80.10
0-90	5146.45	N.A.	86.60
10-90	4991.7	N.A.	84.00
20-40	1466.7	N.A.	24.70
20-50	2258.98	N.A.	38.00
40-70	2157.11	N.A.	36.30
60-80	1170.21	N.A.	19.70
70-80	532.10	N.A.	9.00
80-90	387.47	N.A.	6.50
90-110	461.01	N.A.	7.80
90-120	606.16	N.A.	10.20
90-130	705.56	N.A.	11.90
90-150	787.99	N.A.	13.30
90-180	793.77	N.A.	13.40
110-180	332.76	N.A.	5.60
0-180	5940.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.75
10-20	448.33
20-30	675.53
30-40	791.17
40-50	792.28
50-60	726.71
60-70	638.11
70-80	532.10
80-90	387.47
90-100	263.82
100-110	197.20
110-120	145.15
120-130	99.40
130-140	57.03
140-150	25.40
150-160	5.37
160-170	0.31
170-180	0.10

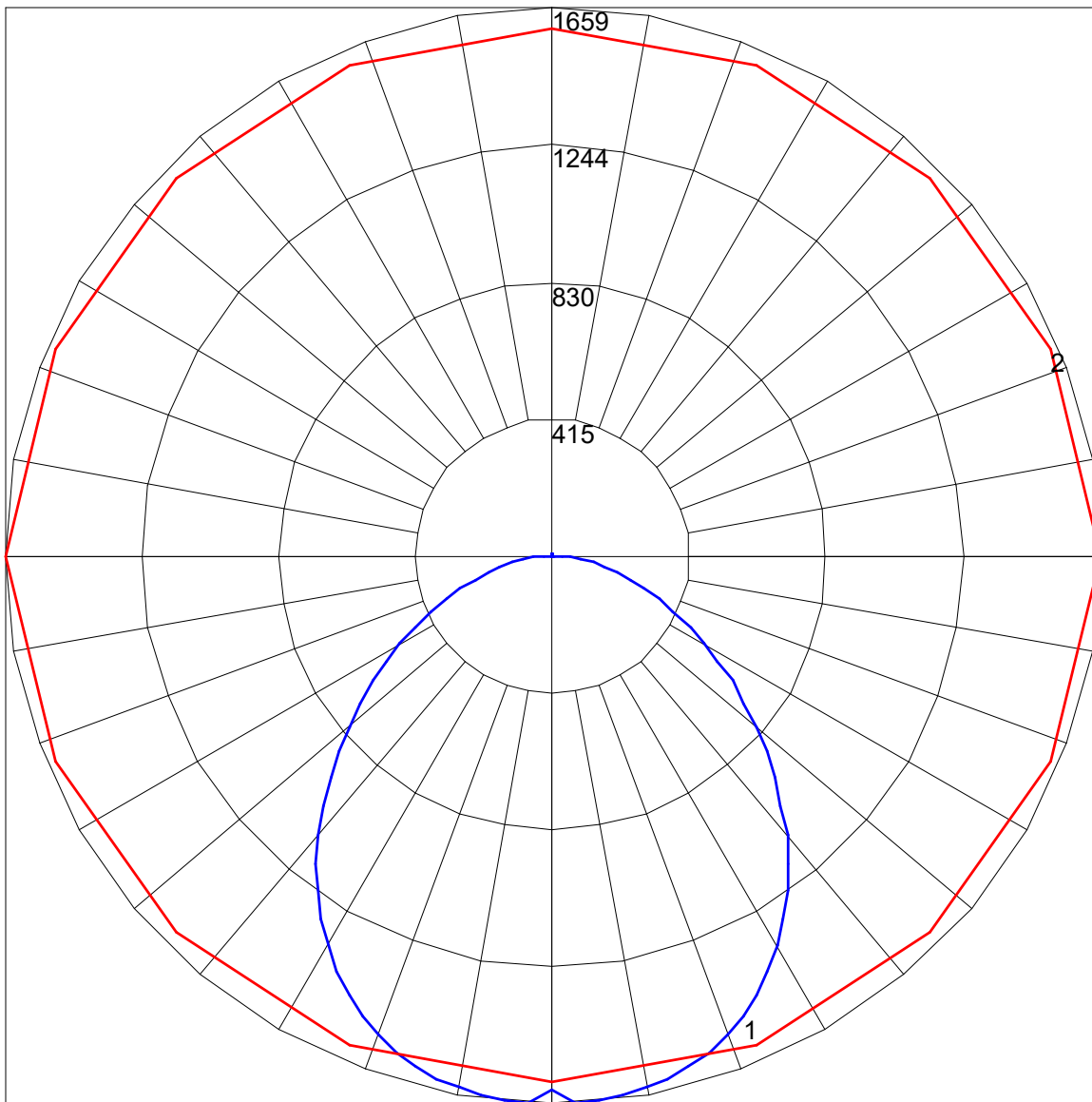
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-4-60L-840.IES

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	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	87
1	103	98	93	88	99	94	89	85	87	84	80	81	78	75	75	73	71	68
2	93	84	77	70	89	81	74	68	75	70	65	70	65	61	65	61	58	55
3	85	73	65	58	81	71	63	56	66	59	54	61	56	51	57	53	49	46
4	77	65	56	49	74	63	54	48	58	51	45	54	48	43	51	46	41	39
5	71	58	49	42	68	56	47	41	52	45	39	49	43	38	46	40	36	33
6	66	52	43	36	63	50	42	36	47	40	34	44	38	33	41	36	32	29
7	61	47	38	32	58	46	37	31	43	36	30	40	34	29	38	32	28	26
8	57	43	34	28	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	30	25	36	29	24	34	28	23	32	27	23	21
10	50	36	28	23	48	35	28	23	33	27	22	32	26	21	30	25	21	19

POLAR GRAPH



Maximum Candela = 1659 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.)