



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDL8-LED-70L-FL-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-9834  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]03/30/18  
[TEST DATE]03/01/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]SDL8-LED-70L-FL-35  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7137
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	52.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.25 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9048	5967	5612
55	8624	5249	5023
65	7858	4516	4463
75	6493	3841	3929
85	3546	3212	3181

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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	1773	1773	1773	1773	1773
2.5	1781	1780	1774	1771	1778
5.0	1781	1781	1775	1775	1780
7.5	1776	1776	1773	1774	1779
10.0	1768	1768	1768	1772	1778
12.5	1755	1757	1761	1767	1775
15.0	1738	1742	1749	1759	1769
17.5	1717	1723	1734	1750	1760
20.0	1692	1699	1717	1736	1749
22.5	1663	1673	1695	1720	1735
25.0	1630	1642	1671	1700	1718
27.5	1594	1607	1643	1678	1698
30.0	1553	1568	1611	1652	1675
32.5	1506	1526	1577	1624	1649
35.0	1456	1480	1539	1590	1619
37.5	1402	1430	1497	1556	1588
40.0	1347	1379	1453	1517	1554
42.5	1289	1324	1406	1477	1516
45.0	1227	1267	1357	1434	1476
47.5	1164	1208	1307	1391	1433
50.0	1098	1147	1255	1346	1391
52.5	1039	1082	1199	1298	1348
55.0	961	1017	1143	1250	1301
57.5	888	955	1083	1202	1254
60.0	811	883	1026	1152	1206
62.5	736	815	969	1099	1155
65.0	659	748	910	1046	1103
67.5	585	681	854	992	1048
70.0	506	616	797	936	994
72.5	429	550	742	886	943
75.0	349	487	688	836	895
77.5	276	427	636	787	843
80.0	200	371	586	735	791
82.5	135	321	536	684	737
85.0	78	275	486	602	641
87.5	34	231	398	477	504
90.0	8	173	285	342	362
92.5	3	136	234	287	305
95.0	2	116	211	265	283
97.5	3	106	195	246	264
100.0	2	94	179	231	249
102.5	2	80	195	216	234
105.0	3	69	212	234	238
107.5	2	57	189	282	281
110.0	2	47	169	274	317
112.5	3	41	151	251	291
115.0	3	35	136	227	266
117.5	3	29	119	204	241
120.0	3	24	105	185	217
122.5	2	20	92	164	195
125.0	2	17	81	146	173
127.5	2	14	71	129	154
130.0	2	11	61	113	136
132.5	3	10	51	99	120

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CANDELA TABULATION - (Cont.)

135.0	2	8	40	86	105
137.5	3	7	34	73	90
140.0	2	5	28	60	75
142.5	3	5	23	46	61
145.0	3	4	19	39	47
147.5	2	3	14	31	38
150.0	3	4	11	25	31
152.5	3	3	8	19	24
155.0	2	3	6	13	18
157.5	3	3	5	9	12
160.0	3	3	4	7	9
162.5	3	3	3	5	6
165.0	3	3	3	4	5
167.5	3	3	3	3	3
170.0	3	3	3	3	3
172.5	3	3	2	2	2
175.0	3	3	2	2	2
177.5	3	3	2	2	2
180.0	2	2	2	2	2

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	664.30	N.A.	9.30
0-30	1435.46	N.A.	20.10
0-40	2397.41	N.A.	33.60
0-60	4457.77	N.A.	62.50
0-80	6042.62	N.A.	84.70
0-90	6496.44	N.A.	91.00
10-90	6327.02	N.A.	88.70
20-40	1733.11	N.A.	24.30
20-50	2777.43	N.A.	38.90
40-70	2948.54	N.A.	41.30
60-80	1584.84	N.A.	22.20
70-80	696.66	N.A.	9.80
80-90	453.82	N.A.	6.40
90-110	375.72	N.A.	5.30
90-120	508.42	N.A.	7.10
90-130	583.75	N.A.	8.20
90-150	635.15	N.A.	8.90
90-180	640.56	N.A.	9.00
110-180	264.85	N.A.	3.70
0-180	7137.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	169.42
10-20	494.88
20-30	771.16
30-40	961.96
40-50	1044.31
50-60	1016.05
60-70	888.18
70-80	696.66
80-90	453.82
90-100	206.94
100-110	168.78
110-120	132.70
120-130	75.33
130-140	37.22
140-150	14.18
150-160	4.13
160-170	1.05
170-180	0.24

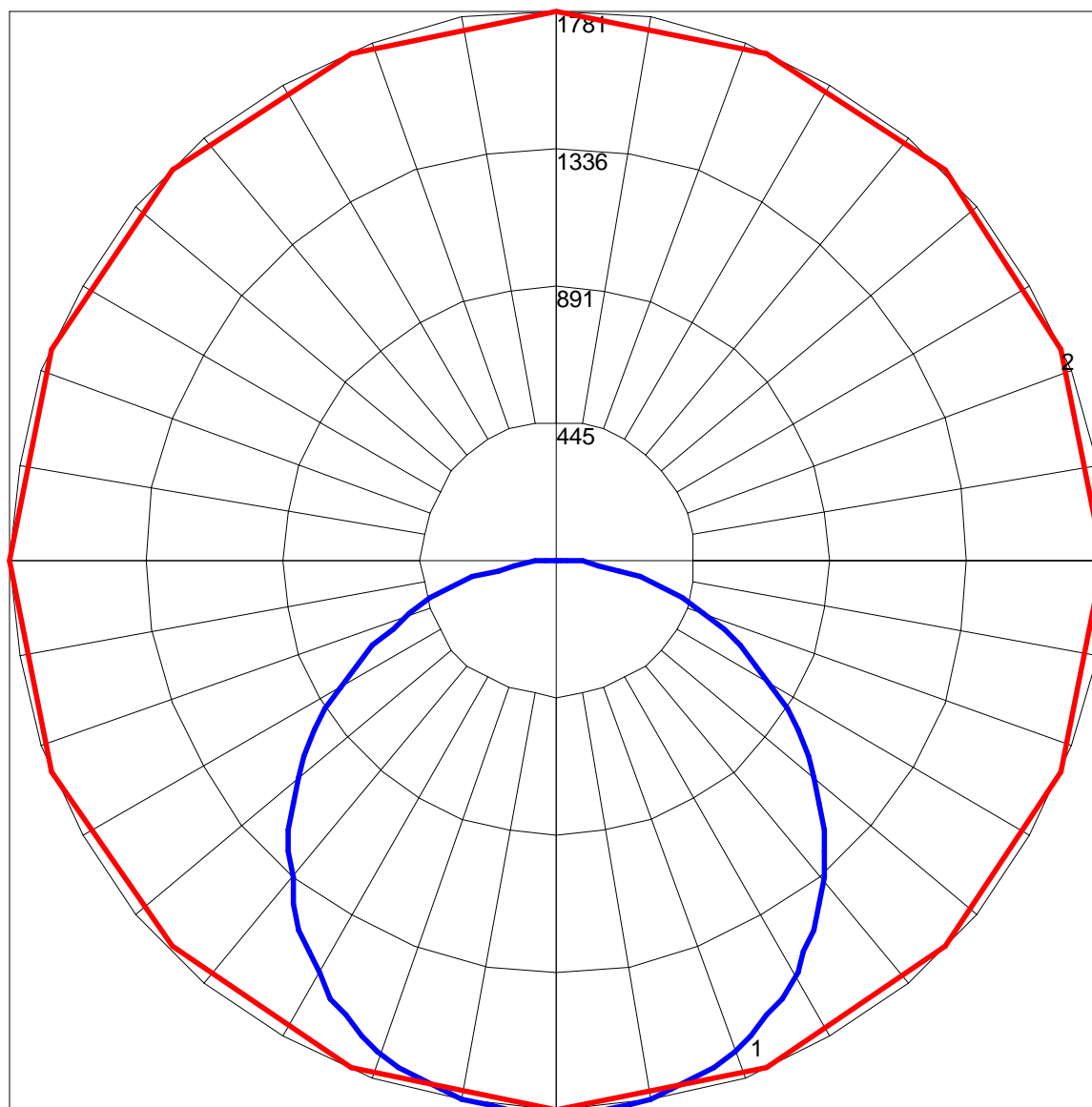
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	104	98	93	88	100	95	90	86	89	85	82	84	80	78	79	76	74	71
2	94	84	76	70	90	82	74	68	76	71	65	72	67	63	67	63	60	57
3	85	73	64	57	81	71	63	56	67	59	54	62	57	52	59	54	50	47
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	39
5	71	57	48	40	68	55	46	40	52	44	39	49	43	37	46	41	36	34
6	65	51	42	35	63	50	41	34	47	39	33	44	38	32	42	36	31	29
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	25
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	23
9	52	38	30	24	50	37	29	24	36	28	23	34	27	23	32	26	22	20
10	49	35	27	22	47	35	27	22	33	26	21	31	25	21	30	24	20	18

POLAR GRAPH



Maximum Candela = 1781 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.)