



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL8-LED-70L-FL-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9833
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/18
[TEST DATE]03/01/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]SDL8-LED-70L-FL-30
[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	6885
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	52.7
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	8730	5756	5418
55	8301	5056	4834
65	7619	4347	4285
75	6344	3701	3758
85	3591	3053	2993

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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	1712	1712	1712	1712	1712
2.5	1722	1722	1714	1712	1719
5.0	1720	1721	1715	1714	1720
7.5	1718	1718	1713	1715	1721
10.0	1709	1710	1708	1712	1719
12.5	1697	1699	1700	1708	1716
15.0	1680	1684	1688	1700	1709
17.5	1658	1665	1674	1691	1701
20.0	1634	1643	1657	1678	1689
22.5	1605	1616	1637	1661	1675
25.0	1574	1586	1613	1643	1659
27.5	1538	1553	1585	1621	1639
30.0	1498	1515	1554	1595	1615
32.5	1454	1475	1520	1566	1589
35.0	1408	1433	1484	1535	1562
37.5	1358	1384	1445	1501	1530
40.0	1301	1334	1402	1464	1496
42.5	1243	1279	1356	1426	1461
45.0	1184	1223	1309	1386	1425
47.5	1122	1165	1259	1342	1384
50.0	1058	1106	1208	1298	1343
52.5	1000	1045	1155	1253	1297
55.0	925	984	1101	1205	1252
57.5	859	917	1045	1157	1206
60.0	790	857	990	1109	1159
62.5	714	785	931	1058	1110
65.0	639	721	876	1008	1059
67.5	561	656	820	955	1009
70.0	488	592	766	903	958
72.5	415	531	714	854	906
75.0	341	471	663	804	856
77.5	270	413	613	755	807
80.0	199	359	565	706	757
82.5	133	309	516	650	694
85.0	79	264	462	568	603
87.5	37	221	378	453	482
90.0	12	168	284	347	366
92.5	5	133	227	279	297
95.0	4	114	206	256	272
97.5	4	100	188	237	254
100.0	3	91	179	223	240
102.5	3	77	190	217	231
105.0	3	66	199	234	241
107.5	3	56	183	260	272
110.0	2	46	162	262	293
112.5	3	40	145	239	278
115.0	3	34	131	217	253
117.5	2	29	116	196	230
120.0	3	24	102	177	208
122.5	3	20	89	159	189
125.0	3	17	79	141	168
127.5	3	14	69	125	148
130.0	3	12	59	109	130
132.5	3	10	49	95	115

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CANDELA TABULATION - (Cont.)

135.0	2	8	40	83	100
137.5	3	7	33	71	87
140.0	2	6	27	57	73
142.5	3	5	22	46	58
145.0	3	4	18	37	46
147.5	3	4	15	29	36
150.0	2	3	11	23	29
152.5	3	3	9	18	22
155.0	3	3	7	14	18
157.5	3	3	5	10	13
160.0	2	3	4	7	9
162.5	3	3	3	5	6
165.0	2	3	3	3	4
167.5	3	3	3	3	3
170.0	3	3	2	2	3
172.5	3	3	3	2	3
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	641.91	N.A.	9.30
0-30	1386.58	N.A.	20.10
0-40	2315.32	N.A.	33.60
0-60	4302.46	N.A.	62.50
0-80	5828.95	N.A.	84.70
0-90	6263.85	N.A.	91.00
10-90	6100.1	N.A.	88.60
20-40	1673.41	N.A.	24.30
20-50	2681.02	N.A.	38.90
40-70	2842.6	N.A.	41.30
60-80	1526.49	N.A.	22.20
70-80	671.02	N.A.	9.70
80-90	434.90	N.A.	6.30
90-110	365.48	N.A.	5.30
90-120	492.65	N.A.	7.20
90-130	565.75	N.A.	8.20
90-150	615.54	N.A.	8.90
90-180	620.90	N.A.	9.00
110-180	255.42	N.A.	3.70
0-180	6884.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.75
10-20	478.16
20-30	744.67
30-40	928.74
40-50	1007.61
50-60	979.53
60-70	855.46
70-80	671.02
80-90	434.90
90-100	201.90
100-110	163.58
110-120	127.17
120-130	73.10
130-140	36.03
140-150	13.75
150-160	4.13
160-170	0.99
170-180	0.24

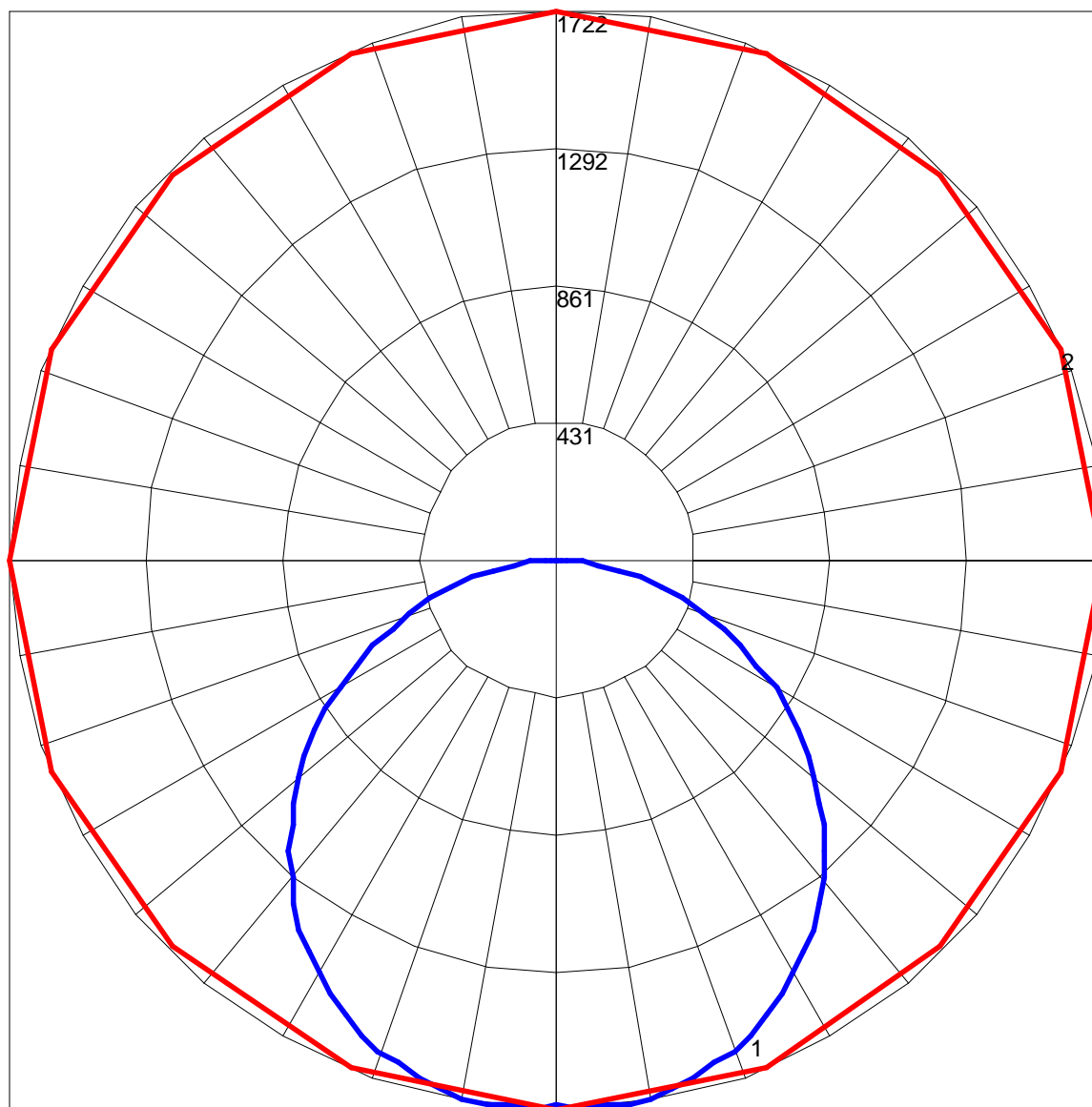
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	77	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	60	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	41	68	55	47	40	52	45	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 = 1722 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.)