



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL8-LED-100L-FL-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9832
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/18
[TEST DATE]03/01/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]SDL8-LED-100L-FL-40
[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	9998
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	72.9
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	12697	8373	7870
55	12133	7357	7034
65	11006	6317	6243
75	9042	5370	5466
85	4955	4408	4343

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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	2493	2493	2493	2493	2493
2.5	2507	2506	2496	2493	2502
5.0	2508	2506	2497	2497	2504
7.5	2501	2500	2494	2496	2505
10.0	2488	2490	2487	2493	2503
12.5	2469	2473	2475	2485	2497
15.0	2446	2451	2459	2475	2488
17.5	2415	2424	2438	2460	2475
20.0	2381	2392	2413	2442	2460
22.5	2338	2353	2382	2417	2438
25.0	2293	2309	2348	2389	2413
27.5	2241	2259	2308	2358	2386
30.0	2183	2205	2263	2322	2352
32.5	2119	2146	2213	2280	2314
35.0	2047	2081	2160	2234	2273
37.5	1973	2011	2101	2184	2228
40.0	1891	1938	2040	2131	2178
42.5	1810	1859	1972	2074	2127
45.0	1722	1778	1904	2013	2070
47.5	1633	1694	1833	1952	2008
50.0	1542	1607	1757	1887	1949
52.5	1450	1518	1680	1820	1886
55.0	1352	1429	1602	1753	1822
57.5	1246	1335	1518	1685	1757
60.0	1136	1238	1436	1613	1687
62.5	1029	1141	1356	1539	1615
65.0	923	1046	1273	1465	1543
67.5	815	953	1194	1388	1461
70.0	707	860	1115	1312	1388
72.5	598	770	1037	1239	1317
75.0	486	680	962	1168	1245
77.5	382	596	887	1097	1175
80.0	278	518	818	1025	1103
82.5	187	447	748	940	1011
85.0	109	383	667	824	875
87.5	48	321	549	658	689
90.0	13	242	409	501	534
92.5	5	191	330	408	435
95.0	4	163	298	374	399
97.5	4	145	273	347	373
100.0	4	129	261	325	351
102.5	4	110	275	316	337
105.0	4	93	291	339	347
107.5	4	79	264	377	396
110.0	3	65	233	380	423
112.5	4	56	209	347	403
115.0	3	47	186	312	365
117.5	3	39	166	282	330
120.0	3	33	146	255	298
122.5	4	28	126	228	268
125.0	3	23	111	202	240
127.5	3	19	97	177	213
130.0	4	16	83	155	187
132.5	4	13	69	135	164

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CANDELA TABULATION - (Cont.)

135.0	4	11	56	117	142
137.5	4	9	47	99	122
140.0	4	7	39	81	102
142.5	4	7	32	64	83
145.0	4	6	25	52	64
147.5	4	5	20	43	52
150.0	4	5	16	33	42
152.5	4	4	10	25	32
155.0	4	4	9	19	24
157.5	4	4	7	13	17
160.0	3	4	5	8	10
162.5	4	4	5	7	8
165.0	4	4	4	5	6
167.5	4	4	4	4	5
170.0	4	4	4	4	4
172.5	4	4	3	3	3
175.0	4	4	3	3	3
177.5	4	4	3	3	3
180.0	3	3	3	3	3

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	934.51	N.A.	9.30
0-30	2018.46	N.A.	20.20
0-40	3369.72	N.A.	33.70
0-60	6258.87	N.A.	62.60
0-80	8474.22	N.A.	84.80
0-90	9103.44	N.A.	91.10
10-90	8865.03	N.A.	88.70
20-40	2435.2	N.A.	24.40
20-50	3900.43	N.A.	39.00
40-70	4131.77	N.A.	41.30
60-80	2215.34	N.A.	22.20
70-80	972.73	N.A.	9.70
80-90	629.22	N.A.	6.30
90-110	530.02	N.A.	5.30
90-120	712.65	N.A.	7.10
90-130	816.52	N.A.	8.20
90-150	886.81	N.A.	8.90
90-180	894.13	N.A.	8.90
110-180	364.11	N.A.	3.60
0-180	9997.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	238.41
10-20	696.10
20-30	1083.94
30-40	1351.26
40-50	1465.22
50-60	1423.93
60-70	1242.62
70-80	972.73
80-90	629.22
90-100	293.23
100-110	236.79
110-120	182.62
120-130	103.87
130-140	50.82
140-150	19.47
150-160	5.60
160-170	1.38
170-180	0.33

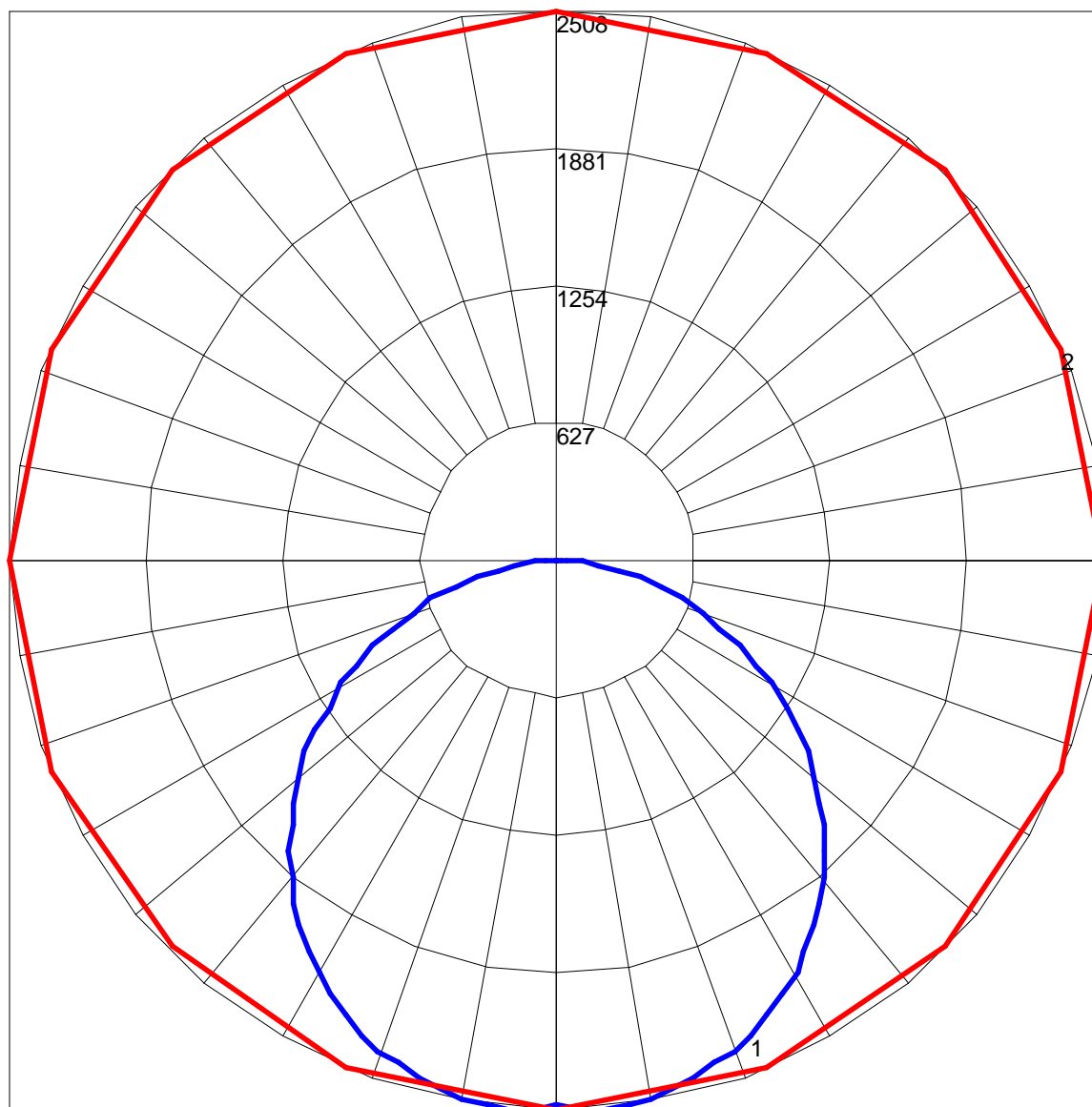
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	81	78	79	76	74	71
2	94	84	77	70	90	82	75	68	77	71	65	72	67	63	67	63	60	57
3	85	73	64	57	81	71	63	56	67	60	54	63	57	52	59	54	50	47
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	47	42	39
5	71	57	48	41	68	55	47	40	52	45	39	49	43	37	47	41	36	34
6	65	51	42	35	63	50	41	35	47	39	34	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	26
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	38	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 = 2508 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.)