



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDLRK8-LED-140L-FL-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-9821
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 09/25/19
[TEST DATE] 02/28/18
[MANUFACT] LSI INDUSTRIES, INC
[LUMCAT] SDLRK8-LED-140L-FL-40
[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	14045
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	106.2
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	17771	11728	11018
55	16997	10305	9903
65	15584	8893	8768
75	12986	7570	7753
85	7364	6239	6140

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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	3465	3465	3465	3465	3465
2.5	3481	3480	3469	3465	3476
5.0	3481	3479	3470	3468	3480
7.5	3471	3472	3466	3470	3482
10.0	3455	3457	3457	3466	3480
12.5	3431	3436	3441	3457	3474
15.0	3398	3407	3421	3444	3461
17.5	3358	3370	3394	3423	3447
20.0	3310	3326	3360	3398	3425
22.5	3255	3272	3319	3369	3400
25.0	3188	3212	3273	3332	3368
27.5	3117	3145	3216	3289	3329
30.0	3037	3069	3157	3239	3285
32.5	2945	2987	3091	3182	3235
35.0	2852	2900	3018	3119	3179
37.5	2750	2806	2937	3051	3118
40.0	2642	2706	2852	2977	3050
42.5	2529	2599	2762	2900	2972
45.0	2410	2488	2667	2815	2898
47.5	2286	2370	2566	2730	2820
50.0	2166	2250	2460	2643	2737
52.5	2031	2124	2353	2554	2653
55.0	1894	2001	2244	2462	2565
57.5	1743	1872	2133	2368	2472
60.0	1604	1740	2018	2266	2377
62.5	1456	1608	1908	2163	2273
65.0	1307	1477	1792	2057	2167
67.5	1157	1346	1681	1950	2064
70.0	1005	1212	1572	1848	1963
72.5	847	1083	1463	1748	1865
75.0	698	960	1356	1651	1766
77.5	545	843	1257	1550	1667
80.0	405	735	1156	1450	1561
82.5	276	636	1061	1329	1417
85.0	162	544	944	1164	1237
87.5	74	454	785	948	1005
90.0	24	348	605	755	808
92.5	8	270	466	593	641
95.0	7	229	421	530	567
97.5	7	207	386	490	530
100.0	7	186	369	460	497
102.5	7	155	391	451	481
105.0	7	134	401	484	500
107.5	6	112	375	515	555
110.0	6	94	329	533	573
112.5	6	81	293	486	567
115.0	7	69	261	437	513
117.5	6	58	236	394	466
120.0	6	48	209	357	418
122.5	6	41	183	322	377
125.0	6	35	162	292	342
127.5	6	29	140	258	309
130.0	6	25	120	228	274
132.5	6	21	100	198	241

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CANDELA TABULATION - (Cont.)

135.0	6	18	83	171	208
137.5	6	15	70	144	177
140.0	6	13	58	119	148
142.5	6	11	47	96	121
145.0	7	10	39	79	98
147.5	7	10	32	64	79
150.0	7	9	26	51	64
152.5	6	8	20	40	50
155.0	7	8	16	31	39
157.5	6	7	12	23	29
160.0	6	7	9	17	21
162.5	7	7	8	13	16
165.0	7	7	7	9	12
167.5	6	6	6	7	9
170.0	6	6	6	6	7
172.5	6	6	5	5	6
175.0	6	6	5	5	4
177.5	7	6	5	4	4
180.0	5	5	5	5	5

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1299.38	N.A.	9.30
0-30	2809.41	N.A.	20.00
0-40	4695.46	N.A.	33.40
0-60	8743.79	N.A.	62.30
0-80	11869.15	N.A.	84.50
0-90	12766.82	N.A.	90.90
10-90	12435.59	N.A.	88.50
20-40	3396.08	N.A.	24.20
20-50	5446.47	N.A.	38.80
40-70	5798.49	N.A.	41.30
60-80	3125.36	N.A.	22.30
70-80	1375.21	N.A.	9.80
80-90	897.67	N.A.	6.40
90-110	754.84	N.A.	5.40
90-120	1011.93	N.A.	7.20
90-130	1161.44	N.A.	8.30
90-150	1265.78	N.A.	9.00
90-180	1278.2	N.A.	9.10
110-180	523.37	N.A.	3.70
0-180	14045.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	331.23
10-20	968.16
20-30	1510.03
30-40	1886.05
40-50	2050.4
50-60	1997.93
60-70	1750.16
70-80	1375.21
80-90	897.67
90-100	420.80
100-110	334.03
110-120	257.10
120-130	149.51
130-140	74.80
140-150	29.54
150-160	9.44
160-170	2.46
170-180	0.53

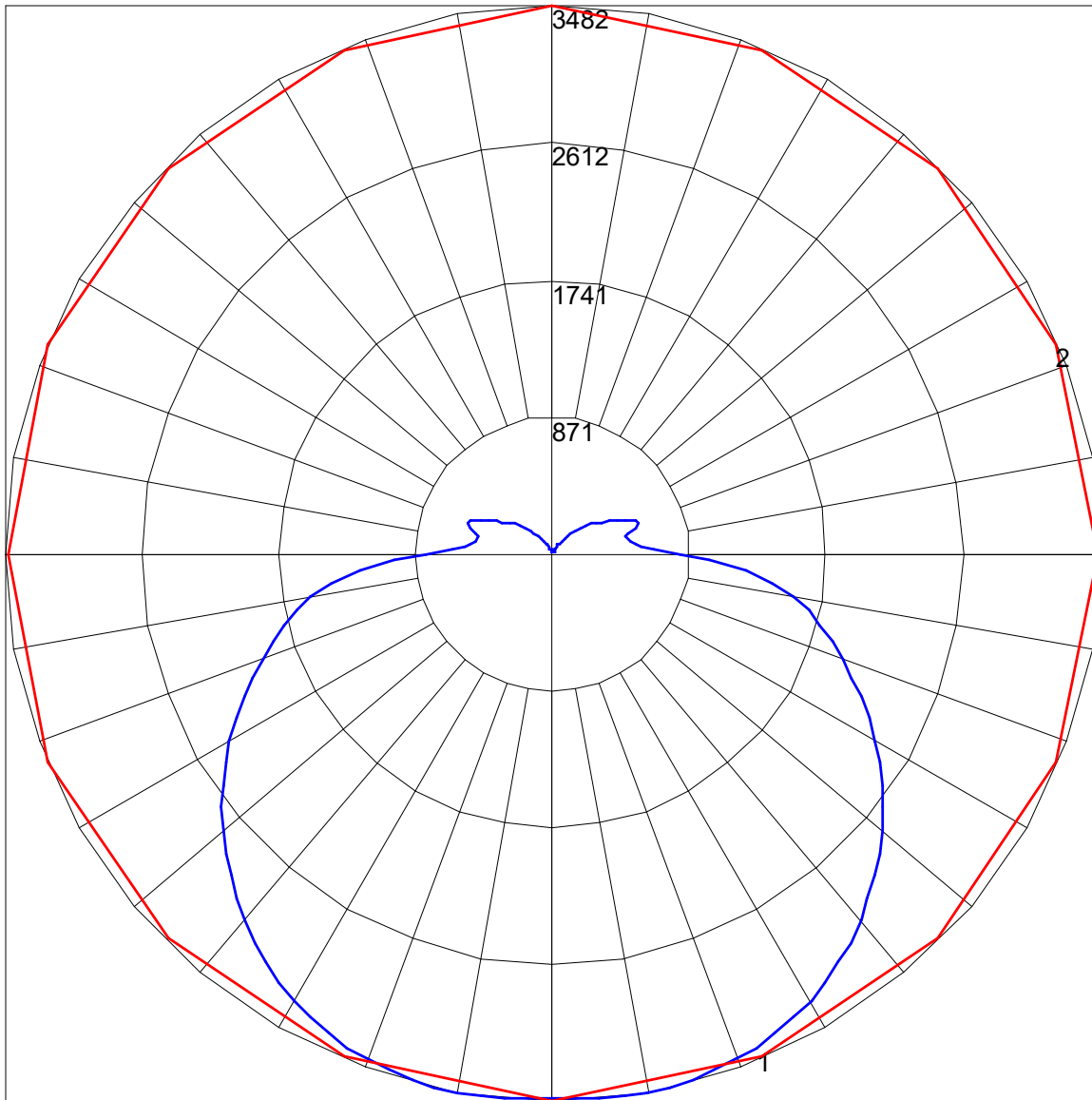
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	83	80	77	78	76	74	71
2	94	84	76	70	90	81	74	68	76	70	65	72	67	62	67	63	60	57
3	85	73	64	57	81	71	62	56	66	59	54	62	56	51	59	54	49	47
4	77	64	55	47	74	62	53	47	59	51	45	55	49	43	52	46	42	39
5	71	57	47	40	68	55	46	40	52	44	38	49	42	37	46	41	36	33
6	65	51	42	35	63	50	41	34	47	39	33	44	37	32	42	36	31	29
7	60	46	37	31	58	45	36	30	42	35	29	40	33	28	38	32	28	25
8	56	42	33	27	54	41	32	27	39	31	26	37	30	25	35	29	25	22
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	34	27	22	33	26	21	31	25	20	30	24	20	18

POLAR GRAPH



Maximum Candela = 3482 Located At Horizontal Angle = 90, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)