



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDLRK4-LED-40L-FL-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-9918_scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUE DATE] 09/25/19

[TEST DATE] 03/20/18

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] SDLRK4-LED-40L-FL-30

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3879
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	30.1
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 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	9564	6222	5830
55	8942	5415	5204
65	8103	4648	4594
75	6441	3902	4053
85	2919	3306	3604

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDLRK4-LED-40L-FL-30.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	946.288	946.288	946.288	946.288	946.288
2.5	969.462	955.944	948.219	940.494	932.770
5.0	969.462	954.013	948.219	940.494	932.770
7.5	967.531	952.082	946.288	938.563	932.770
10.0	963.669	948.219	944.357	938.563	930.838
12.5	955.944	942.426	938.563	934.701	928.907
15.0	948.219	936.632	932.770	930.838	925.045
17.5	936.632	925.045	925.045	925.045	919.251
20.0	923.114	913.458	915.389	917.320	913.458
22.5	907.664	898.008	903.802	909.595	905.733
25.0	888.352	882.558	890.283	898.008	898.008
27.5	869.040	863.246	874.834	886.421	886.421
30.0	845.866	843.934	857.453	872.902	874.834
32.5	820.760	820.760	840.072	859.384	859.384
35.0	793.723	797.586	816.898	842.003	843.934
37.5	764.755	770.549	795.654	822.691	826.554
40.0	733.856	741.581	770.549	801.448	807.242
42.5	702.957	712.613	745.443	780.205	785.998
45.0	668.195	681.714	716.475	757.030	766.686
47.5	633.434	648.883	689.438	733.856	745.443
50.0	596.741	616.053	660.470	710.682	722.269
52.5	563.910	579.360	631.502	683.645	701.026
55.0	519.493	544.598	598.672	656.608	673.989
57.5	482.800	507.906	567.773	629.571	648.883
60.0	444.176	471.213	538.805	602.534	623.778
62.5	405.552	436.451	507.906	573.566	596.741
65.0	361.134	399.758	477.006	544.598	567.773
67.5	320.579	363.066	446.107	517.562	540.736
70.0	278.093	326.373	415.208	488.594	513.699
72.5	233.675	287.749	386.240	461.557	486.662
75.0	191.189	256.850	357.272	434.520	461.557
77.5	150.634	225.950	330.235	409.414	436.451
80.0	110.078	196.982	305.130	384.309	411.346
82.5	75.317	169.946	280.024	359.203	386.240
85.0	40.555	144.840	256.850	336.029	363.066
87.5	17.381	121.666	235.606	314.786	341.822
90.0	1.931	102.354	214.363	291.611	320.579
92.5	0.000	84.973	195.051	270.368	297.405
95.0	1.931	71.454	175.739	249.125	276.162
97.5	1.931	59.867	158.358	229.813	254.918
100.0	1.931	48.280	140.978	210.501	235.606
102.5	1.931	40.555	127.459	191.189	216.294
105.0	1.931	34.762	112.010	175.739	198.914
107.5	0.000	28.968	100.422	160.290	181.533
110.0	0.000	23.174	88.835	144.840	166.083
112.5	0.000	19.312	79.179	131.322	150.634
115.0	0.000	17.381	69.523	117.803	137.115
117.5	0.000	13.518	59.867	106.216	123.597
120.0	0.000	11.587	52.142	94.629	110.078
122.5	0.000	9.656	46.349	83.042	98.491
125.0	0.000	7.725	40.555	75.317	88.835
127.5	0.000	5.794	32.830	65.661	77.248
130.0	1.931	5.794	28.968	56.005	67.592
132.5	0.000	3.862	23.174	48.280	57.936

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDLRK4-LED-40L-FL-30.IES

CANDELA TABULATION - (Cont.)

135.0	1.931	3.862	21.243	40.555	50.211
137.5	1.931	1.931	17.381	34.762	42.486
140.0	1.931	1.931	13.518	28.968	36.693
142.5	0.000	1.931	11.587	25.106	28.968
145.0	1.931	1.931	9.656	19.312	25.106
147.5	1.931	1.931	5.794	15.450	19.312
150.0	1.931	1.931	5.794	11.587	15.450
152.5	1.931	1.931	3.862	9.656	11.587
155.0	1.931	1.931	1.931	5.794	7.725
157.5	1.931	1.931	1.931	3.862	5.794
160.0	1.931	1.931	1.931	1.931	3.862
162.5	1.931	1.931	1.931	1.931	1.931
165.0	0.000	1.931	0.000	0.000	0.000
167.5	1.931	1.931	0.000	0.000	0.000
170.0	1.931	1.931	0.000	0.000	0.000
172.5	1.931	0.000	0.000	0.000	0.000
175.0	1.931	1.931	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDLRK4-LED-40L-FL-30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	354.31	N.A.	9.10
0-30	765.31	N.A.	19.70
0-40	1277.77	N.A.	32.90
0-60	2369.12	N.A.	61.10
0-80	3200.88	N.A.	82.50
0-90	3459.17	N.A.	89.20
10-90	3368.77	N.A.	86.80
20-40	923.45	N.A.	23.80
20-50	1478.08	N.A.	38.10
40-70	1558.83	N.A.	40.20
60-80	831.76	N.A.	21.40
70-80	364.29	N.A.	9.40
80-90	258.29	N.A.	6.70
90-110	286.94	N.A.	7.40
90-120	355.16	N.A.	9.20
90-130	392.85	N.A.	10.10
90-150	417.84	N.A.	10.80
90-180	420.22	N.A.	10.80
110-180	133.28	N.A.	3.40
0-180	3879.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.39
10-20	263.92
20-30	410.99
30-40	512.46
40-50	554.62
50-60	536.73
60-70	467.48
70-80	364.28
80-90	258.29
90-100	174.31
100-110	112.63
110-120	68.22
120-130	37.69
130-140	17.92
140-150	7.07
150-160	2.00
160-170	0.35
170-180	0.04

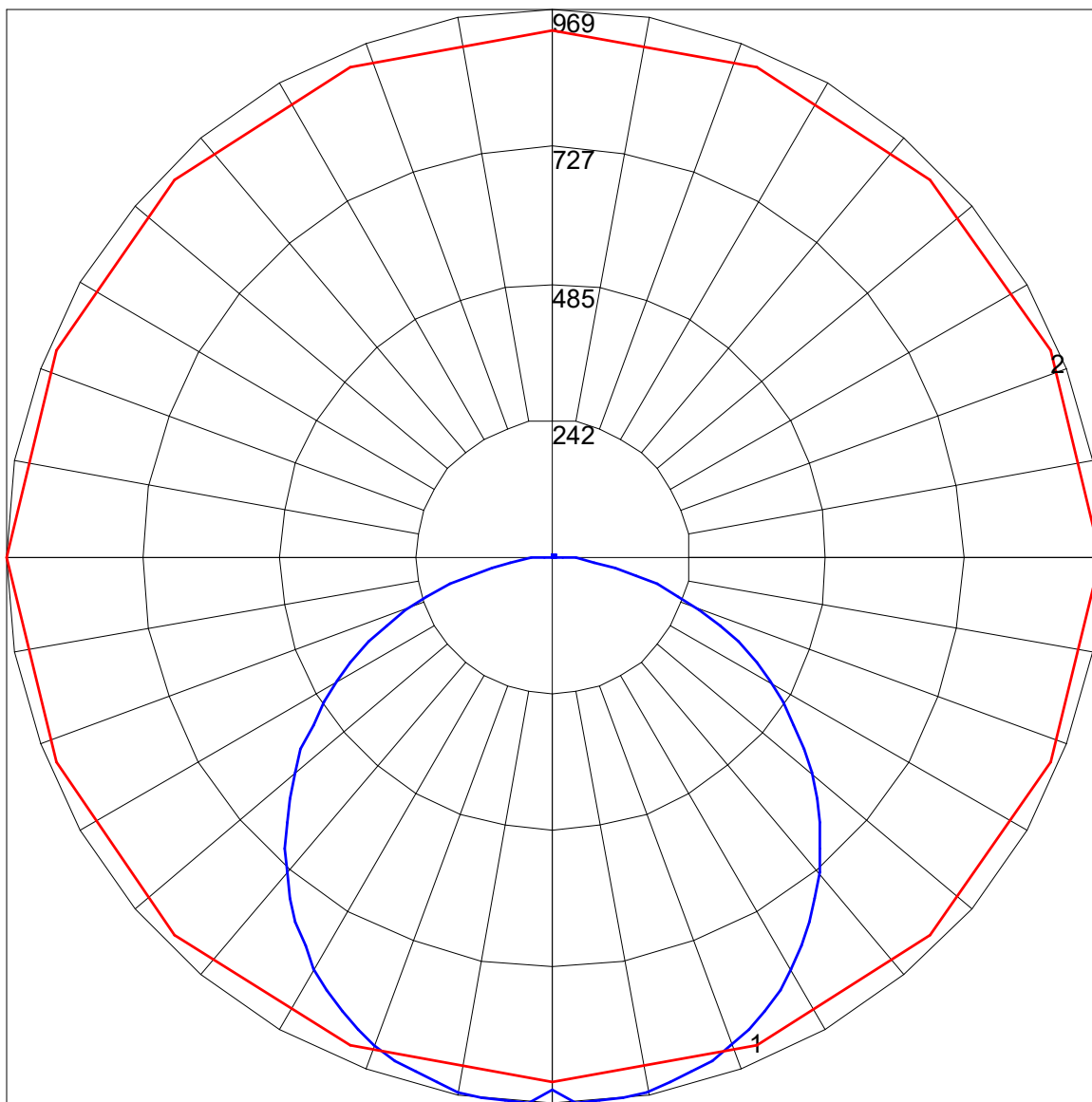
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDLRK4-LED-40L-FL-30.IES

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	113	113	113	113	105	105	105	98	98	98	92	92	92	89
1	104	98	93	88	100	94	90	85	88	84	81	82	79	76	77	74	72	69
2	93	84	76	70	90	81	74	68	76	70	65	71	66	62	66	62	59	56
3	84	73	64	57	81	70	62	56	66	59	53	62	56	51	58	53	49	46
4	77	64	55	47	74	62	53	46	58	51	45	54	48	43	51	46	41	38
5	71	57	47	40	68	55	46	40	52	44	38	49	42	37	46	40	35	33
6	65	51	42	35	62	49	41	34	47	39	33	44	37	32	41	35	31	28
7	60	46	37	31	58	45	36	30	42	35	29	40	33	28	38	32	27	25
8	56	42	33	27	54	41	32	27	38	31	26	36	30	25	34	29	24	22
9	52	38	30	24	50	37	29	24	35	28	23	33	27	22	32	26	22	20
10	49	35	27	22	47	34	27	21	33	26	21	31	25	20	29	24	20	18

POLAR GRAPH



Maximum Candela = 969.462 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.)