



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDLRK4-LED-70L-FL-50.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-70L-FL-50

[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	7512
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	52.1
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	18520	12048	11289
55	17314	10484	10077
65	15691	9001	8896
75	12473	7556	7847
85	5652	6401	6978

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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	1832.326	1832.326	1832.326	1832.326	1832.326
2.5	1877.199	1851.023	1836.065	1821.107	1806.150
5.0	1877.199	1847.283	1836.065	1821.107	1806.150
7.5	1873.459	1843.544	1832.326	1817.368	1806.150
10.0	1865.981	1836.065	1828.586	1817.368	1802.410
12.5	1851.023	1824.847	1817.368	1809.889	1798.671
15.0	1836.065	1813.628	1806.150	1802.410	1791.192
17.5	1813.628	1791.192	1791.192	1791.192	1779.973
20.0	1787.452	1768.755	1772.495	1776.234	1768.755
22.5	1757.537	1738.840	1750.058	1761.276	1753.797
25.0	1720.142	1708.924	1723.882	1738.840	1738.840
27.5	1682.748	1671.530	1693.966	1716.403	1716.403
30.0	1637.875	1634.135	1660.311	1690.227	1693.966
32.5	1589.262	1589.262	1626.656	1664.051	1664.051
35.0	1536.910	1544.389	1581.783	1630.396	1634.135
37.5	1480.818	1492.037	1540.649	1593.001	1600.480
40.0	1420.987	1435.945	1492.037	1551.868	1563.086
42.5	1361.156	1379.853	1443.424	1510.734	1521.952
45.0	1293.846	1320.022	1387.332	1465.860	1484.558
47.5	1226.536	1256.452	1334.980	1420.987	1443.424
50.0	1155.487	1192.881	1278.888	1376.114	1398.551
52.5	1091.916	1121.832	1222.797	1323.762	1357.417
55.0	1005.909	1054.522	1159.226	1271.410	1305.065
57.5	934.860	983.473	1099.395	1219.057	1256.452
60.0	860.071	912.423	1043.304	1166.705	1207.839
62.5	785.282	845.113	983.473	1110.614	1155.487
65.0	699.275	774.064	923.642	1054.522	1099.395
67.5	620.747	703.015	863.811	1002.170	1047.043
70.0	538.479	631.965	803.980	946.078	994.691
72.5	452.472	557.177	747.888	893.726	942.339
75.0	370.205	497.346	691.796	841.374	893.726
77.5	291.676	437.514	639.444	792.761	845.113
80.0	213.148	381.423	590.832	744.149	796.501
82.5	145.838	329.071	542.219	695.536	747.888
85.0	78.528	280.458	497.346	650.663	703.015
87.5	33.655	235.585	456.212	609.529	661.881
90.0	3.739	198.190	415.078	564.655	620.747
92.5	0.000	164.535	377.683	523.522	575.874
95.0	3.739	138.359	340.289	482.388	534.740
97.5	3.739	115.923	306.634	444.993	493.606
100.0	3.739	93.486	272.979	407.599	456.212
102.5	3.739	78.528	246.803	370.205	418.817
105.0	3.739	67.310	216.888	340.289	385.162
107.5	0.000	56.092	194.451	310.374	351.507
110.0	0.000	44.873	172.014	280.458	321.592
112.5	0.000	37.394	153.317	254.282	291.676
115.0	0.000	33.655	134.620	228.106	265.500
117.5	0.000	26.176	115.923	205.669	239.324
120.0	0.000	22.437	100.965	183.233	213.148
122.5	0.000	18.697	89.747	160.796	190.711
125.0	0.000	14.958	78.528	145.838	172.014
127.5	0.000	11.218	63.570	127.141	149.578
130.0	3.739	11.218	56.092	108.444	130.880
132.5	0.000	7.479	44.873	93.486	112.183

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CANDELA TABULATION - (Cont.)

135.0	3.739	7.479	41.134	78.528	97.225
137.5	3.739	3.739	33.655	67.310	82.268
140.0	3.739	3.739	26.176	56.092	71.049
142.5	0.000	3.739	22.437	48.613	56.092
145.0	3.739	3.739	18.697	37.394	48.613
147.5	3.739	3.739	11.218	29.916	37.394
150.0	3.739	3.739	11.218	22.437	29.916
152.5	3.739	3.739	7.479	18.697	22.437
155.0	3.739	3.739	3.739	11.218	14.958
157.5	3.739	3.739	3.739	7.479	11.218
160.0	3.739	3.739	3.739	3.739	7.479
162.5	3.739	3.739	3.739	3.739	3.739
165.0	0.000	3.739	0.000	0.000	0.000
167.5	3.739	3.739	0.000	0.000	0.000
170.0	3.739	3.739	0.000	0.000	0.000
172.5	3.739	0.000	0.000	0.000	0.000
175.0	3.739	3.739	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	686.07	N.A.	9.10
0-30	1481.88	N.A.	19.70
0-40	2474.18	N.A.	32.90
0-60	4587.39	N.A.	61.10
0-80	6197.96	N.A.	82.50
0-90	6698.09	N.A.	89.20
10-90	6523.06	N.A.	86.80
20-40	1788.11	N.A.	23.80
20-50	2862.04	N.A.	38.10
40-70	3018.41	N.A.	40.20
60-80	1610.57	N.A.	21.40
70-80	705.38	N.A.	9.40
80-90	500.13	N.A.	6.70
90-110	555.61	N.A.	7.40
90-120	687.71	N.A.	9.20
90-130	760.69	N.A.	10.10
90-150	809.07	N.A.	10.80
90-180	813.69	N.A.	10.80
110-180	258.08	N.A.	3.40
0-180	7511.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	175.03
10-20	511.03
20-30	795.82
30-40	992.29
40-50	1073.93
50-60	1039.28
60-70	905.19
70-80	705.38
80-90	500.13
90-100	337.52
100-110	218.10
110-120	132.10
120-130	72.97
130-140	34.69
140-150	13.69
150-160	3.86
160-170	0.68
170-180	0.08

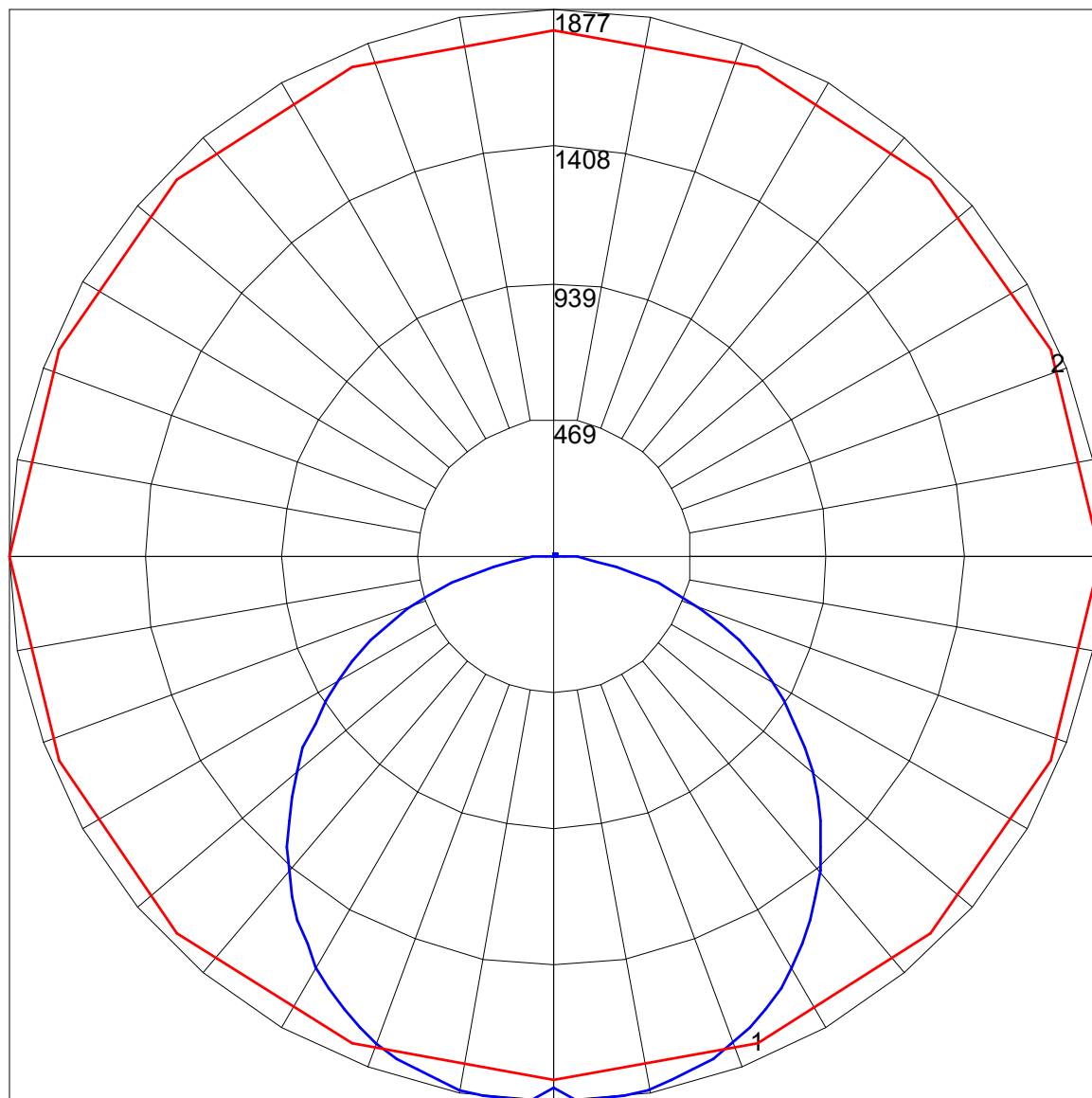
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	112	112	112	112	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	89	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	37	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 = 1877.199 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.)