

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SRL-LD5-67SL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35658)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SRL-LD5-67SL-LN-UNV-L830-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

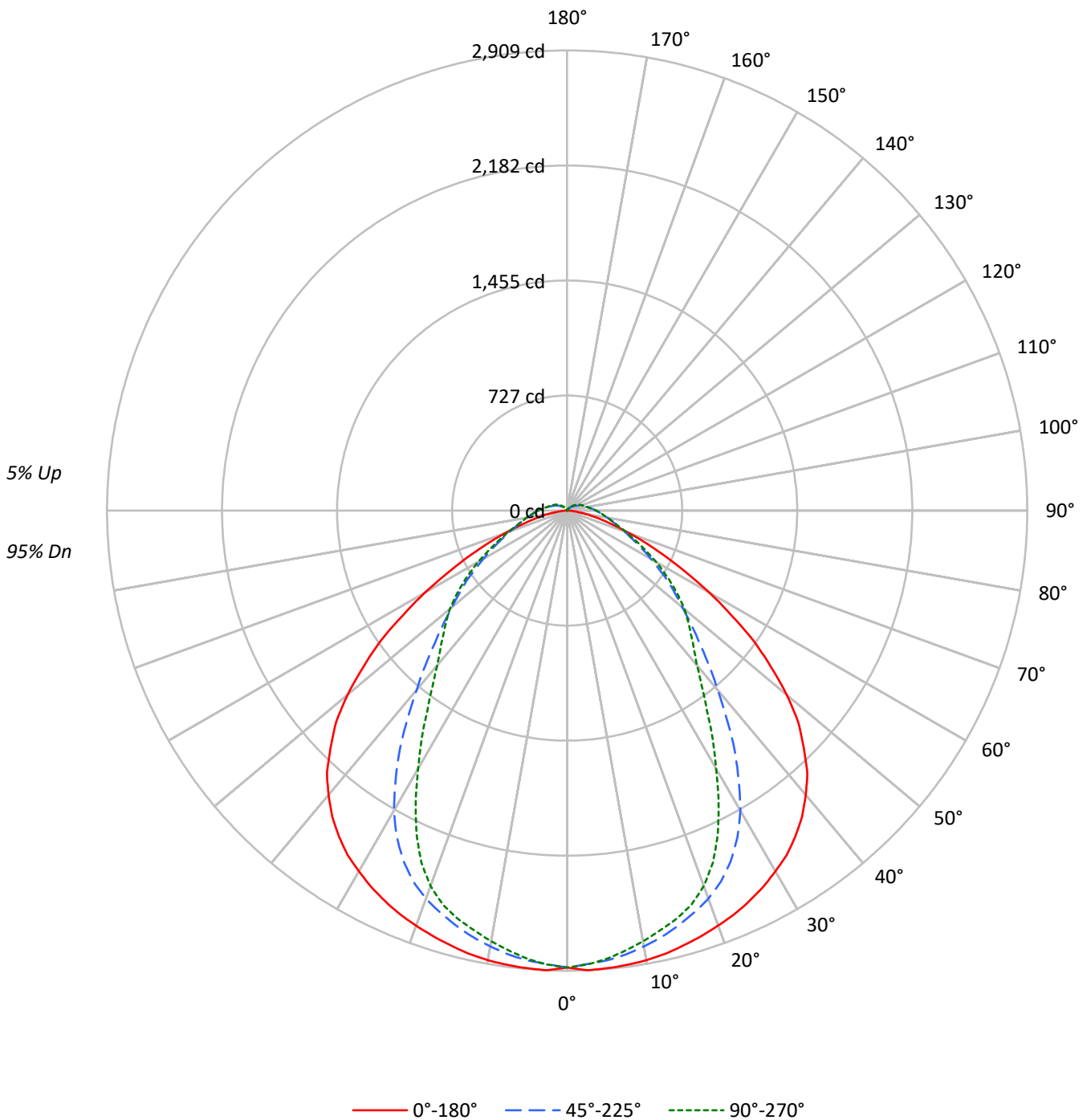
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6604.0 lumens  
Efficiency: N/A  
Efficacy: 142.9 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 46.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P#  
CATALOG NUMBER: 8SRL-LD5-67SL-LN-UNV-L830-CD1-U

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				95
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				80
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				69
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				59
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				52
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				46
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				41
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				37
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				33
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16959	16959	16959
5°	17083	16140	15845
10°	17135	15360	14750
15°	17190	14601	13777
20°	17303	13856	12695
25°	17465	12910	11135
30°	17617	11587	9223
35°	17742	9860	7521
40°	17649	8051	6272
45°	17162	6602	5512
50°	16115	5488	4922
55°	14304	4691	4227
60°	11721	3898	3532
65°	9081	3270	2892
70°	6710	2805	2396
75°	4778	2486	2038
80°	3316	2310	1819
85°	2075	2210	1696



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	272.1	4.1
10°-20°	772.9	11.7
20°-30°	1129.3	17.1
30°-40°	1206.1	18.3
40°-50°	1062.9	16.1
50°-60°	807.1	12.2
60°-70°	514.5	7.8
70°-80°	306.9	4.6
80°-90°	192.8	2.9
90°-100°	127.6	1.9
100°-110°	86.7	1.3
110°-120°	58.3	0.9
120°-130°	36.0	0.5
130°-140°	19.1	0.3
140°-150°	8.2	0.1
150°-160°	2.6	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2174.3	32.9
0°-40°	3380.4	51.2
0°-60°	5250.4	79.5
0°-90°	6264.7	94.9
90°-120°	272.6	4.1
90°-150°	336.0	5.1
90°-180°	339.0	5.1
0°-180°	6604.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2888	2888	2888	2888	2888	
5°	2904	2883	2855	2864	2845	277
15°	2845	2792	2716	2697	2672	805
25°	2725	2602	2446	2328	2253	1257
35°	2515	2242	1845	1614	1539	1571
45°	2114	1591	1183	1114	1106	1625
55°	1443	902	777	805	806	1277
65°	686	464	481	510	506	692
75°	228	236	309	323	313	255
85°	39	128	216	227	217	47
90°	1	96	182	191	182	3
95°	0	73	152	161	152	0
105°	0	46	106	116	112	0
115°	0	29	73	88	86	0
125°	1	19	49	62	60	1
135°	1	10	30	37	36	1
145°	1	4	16	20	19	1
155°	1	3	6	9	6	1
165°	1	3	3	0	0	0
175°	3	3	3	0	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-67SL-LN-UNV-L830-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2888.5	2888.5	2888.5	2888.5	2888.5
2.5°	2908.6	2891.3	2869.8	2884.1	2872.6
5°	2904.3	2882.7	2855.4	2864.0	2845.3
7.5°	2897.1	2869.8	2831.0	2828.1	2806.5
10°	2885.6	2849.7	2797.9	2787.9	2764.9
12.5°	2869.8	2825.2	2760.6	2744.8	2717.4
15°	2845.3	2792.2	2716.0	2697.3	2671.5
17.5°	2820.9	2754.8	2665.7	2642.7	2612.5
20°	2792.2	2711.7	2611.1	2562.2	2524.9
22.5°	2762.0	2662.8	2539.3	2457.3	2408.5
25°	2724.6	2602.5	2445.8	2328.0	2253.3
27.5°	2683.0	2539.3	2330.9	2161.3	2072.2
30°	2632.7	2454.5	2190.1	1977.4	1884.0
32.5°	2582.4	2362.5	2017.6	1796.3	1711.5
35°	2514.8	2241.8	1845.2	1613.8	1539.1
37.5°	2438.7	2106.7	1656.9	1451.4	1396.8
40°	2346.7	1948.6	1480.2	1316.3	1276.1
42.5°	2247.5	1774.7	1326.4	1207.1	1185.6
45°	2113.9	1590.8	1182.7	1113.7	1106.5
47.5°	1981.7	1406.9	1060.5	1031.8	1036.1
50°	1812.1	1224.4	949.9	959.9	967.1
52.5°	1625.3	1056.2	859.4	880.9	886.7
55°	1442.8	902.5	777.4	804.7	806.2
57.5°	1230.1	767.4	688.3	730.0	725.7
60°	1037.5	648.1	612.2	645.2	648.1
62.5°	847.9	550.4	544.6	573.4	571.9
65°	685.5	464.2	481.4	510.2	505.8
67.5°	544.6	388.0	428.2	452.7	442.6
70°	415.3	329.1	382.3	400.9	395.2
72.5°	311.8	278.8	342.0	359.3	349.2
75°	228.5	235.7	309.0	323.3	313.3
77.5°	163.8	202.6	283.1	291.7	284.5
80°	110.7	172.4	257.2	268.7	257.2
82.5°	70.4	148.0	235.7	245.7	235.7
85°	38.8	127.9	215.6	227.1	217.0
87.5°	17.2	110.7	198.3	208.4	199.7
90°	1.4	96.3	182.5	191.1	182.5
92.5°	0.0	83.3	166.7	176.8	168.1
95°	0.0	73.3	152.3	160.9	152.3
97.5°	0.0	64.7	139.4	148.0	140.8
100°	0.0	57.5	127.9	136.5	129.3
102.5°	0.0	50.3	116.4	126.5	120.7
105°	0.0	46.0	106.3	116.4	112.1
107.5°	0.0	40.2	97.7	109.2	106.3
110°	0.0	35.9	89.1	102.0	99.2



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-67SL-LN-UNV-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.1	80.5	94.8	92.0
115°	0.0	28.7	73.3	87.7	86.2
117.5°	0.0	25.9	67.5	80.5	80.5
120°	1.4	23.0	61.8	74.7	73.3
122.5°	1.4	20.1	54.6	67.5	66.1
125°	1.4	18.7	48.9	61.8	60.4
127.5°	1.4	15.8	44.5	54.6	53.2
130°	1.4	14.4	38.8	48.9	47.4
132.5°	1.4	11.5	34.5	43.1	41.7
135°	1.4	10.1	30.2	37.4	35.9
137.5°	1.4	8.6	25.9	33.1	31.6
140°	1.4	7.2	23.0	28.7	27.3
142.5°	1.4	5.7	18.7	24.4	23.0
145°	1.4	4.3	15.8	20.1	18.7
147.5°	1.4	2.9	12.9	17.2	15.8
150°	1.4	2.9	10.1	14.4	12.9
152.5°	1.4	2.9	8.6	11.5	8.6
155°	1.4	2.9	5.7	8.6	5.7
157.5°	1.4	2.9	4.3	5.7	4.3
160°	1.4	2.9	4.3	4.3	1.4
162.5°	1.4	2.9	2.9	1.4	0.0
165°	1.4	2.9	2.9	0.0	0.0
167.5°	1.4	2.9	2.9	0.0	0.0
170°	1.4	2.9	2.9	0.0	0.0
172.5°	1.4	2.9	2.9	0.0	0.0
175°	2.9	2.9	2.9	0.0	0.0
177.5°	1.4	2.9	1.4	0.0	0.0
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)