

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-L835-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-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

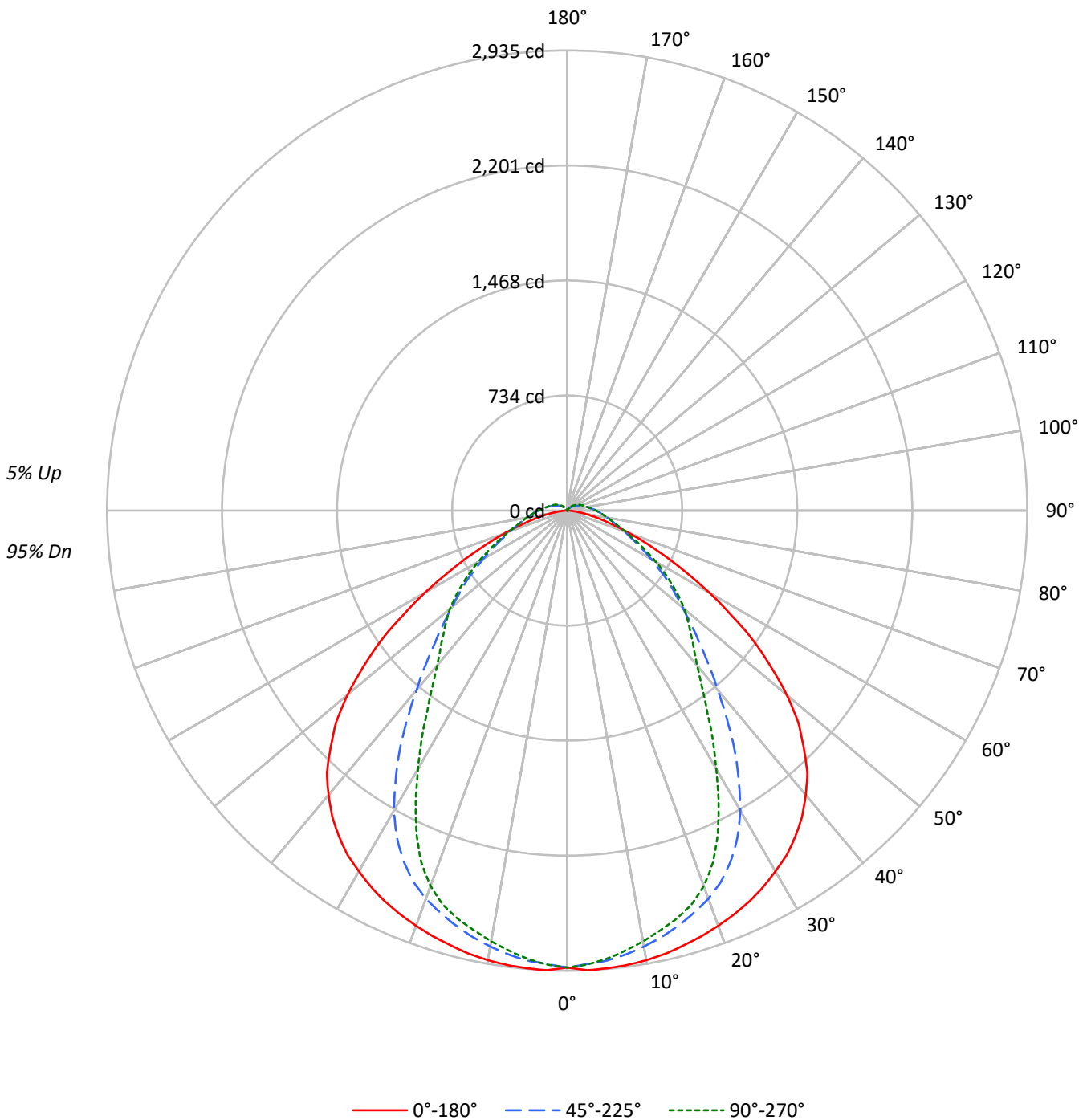
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6664.2 lumens
Efficiency: N/A
Efficacy: 144.2 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_{in}): 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17113	17113	17113
5°	17238	16287	15989
10°	17290	15500	14884
15°	17346	14734	13902
20°	17459	13982	12810
25°	17624	13027	11237
30°	17777	11692	9306
35°	17904	9949	7589
40°	17810	8124	6329
45°	17318	6662	5563
50°	16262	5538	4967
55°	14434	4734	4266
60°	11829	3933	3564
65°	9163	3300	2918
70°	6772	2830	2418
75°	4822	2509	2056
80°	3345	2332	1836
85°	2096	2229	1711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.6	4.1
10°-20°	779.9	11.7
20°-30°	1139.5	17.1
30°-40°	1217.1	18.3
40°-50°	1072.6	16.1
50°-60°	814.4	12.2
60°-70°	519.2	7.8
70°-80°	309.7	4.6
80°-90°	194.6	2.9
90°-100°	128.8	1.9
100°-110°	87.5	1.3
110°-120°	58.9	0.9
120°-130°	36.4	0.5
130°-140°	19.2	0.3
140°-150°	8.3	0.1
150°-160°	2.7	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2194.1	32.9
0°-40°	3411.1	51.2
0°-60°	5298.1	79.5
0°-90°	6321.6	94.9
90°-120°	275.2	4.1
90°-150°	339.2	5.1
90°-180°	343.0	5.1
0°-180°	6664.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2915	2915	2915	2915	2915	
5°	2931	2909	2881	2890	2871	279
15°	2871	2818	2741	2722	2696	812
25°	2749	2626	2468	2349	2274	1268
35°	2538	2262	1862	1628	1553	1585
45°	2133	1605	1193	1124	1117	1640
55°	1456	911	784	812	814	1289
65°	692	468	486	515	510	698
75°	231	238	312	326	316	257
85°	39	129	218	229	219	48
90°	2	97	184	193	184	3
95°	0	74	154	162	154	0
105°	0	46	107	118	113	0
115°	0	29	74	88	87	0
125°	2	19	49	62	61	1
135°	2	10	30	38	36	1
145°	2	4	16	20	19	1
155°	2	3	6	9	6	1
165°	2	3	3	0	0	0
175°	3	3	3	0	0	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2914.7	2914.7	2914.7	2914.7	2914.7
2.5°	2935.0	2917.6	2895.8	2910.3	2898.7
5°	2930.7	2908.9	2881.3	2890.0	2871.2
7.5°	2923.4	2895.8	2856.7	2853.8	2832.0
10°	2911.8	2875.5	2823.3	2813.2	2790.0
12.5°	2895.8	2850.9	2785.6	2769.7	2742.1
15°	2871.2	2817.5	2740.7	2721.8	2695.7
17.5°	2846.5	2779.8	2689.9	2666.7	2636.3
20°	2817.5	2736.3	2634.8	2585.5	2547.8
22.5°	2787.1	2687.0	2562.3	2479.7	2430.4
25°	2749.4	2626.1	2468.1	2349.2	2273.8
27.5°	2707.3	2562.3	2352.1	2180.9	2091.0
30°	2656.6	2476.8	2210.0	1995.3	1901.1
32.5°	2605.8	2384.0	2035.9	1812.6	1727.1
35°	2537.7	2262.2	1861.9	1628.5	1553.1
37.5°	2460.8	2125.8	1672.0	1464.6	1409.5
40°	2368.0	1966.3	1493.6	1328.3	1287.7
42.5°	2268.0	1790.9	1338.4	1218.1	1196.3
45°	2133.1	1605.3	1193.4	1123.8	1116.6
47.5°	1999.7	1419.6	1070.2	1041.2	1045.5
50°	1828.6	1235.5	958.5	968.7	975.9
52.5°	1640.1	1065.8	867.2	888.9	894.7
55°	1455.9	910.7	784.5	812.1	813.5
57.5°	1241.3	774.4	694.6	736.7	732.3
60°	1047.0	654.0	617.7	651.1	654.0
62.5°	855.6	555.4	549.6	578.6	577.1
65°	691.7	468.4	485.8	514.8	510.4
67.5°	549.6	391.5	432.1	456.8	446.6
70°	419.1	332.1	385.7	404.6	398.8
72.5°	314.7	281.3	345.1	362.5	352.4
75°	230.6	237.8	311.8	326.3	316.1
77.5°	165.3	204.5	285.7	294.4	287.1
80°	111.7	174.0	259.6	271.2	259.6
82.5°	71.1	149.4	237.8	248.0	237.8
85°	39.2	129.1	217.5	229.1	219.0
87.5°	17.4	111.7	200.1	210.3	201.6
90°	1.5	97.2	184.2	192.9	184.2
92.5°	0.0	84.1	168.2	178.4	169.7
95°	0.0	74.0	153.7	162.4	153.7
97.5°	0.0	65.3	140.7	149.4	142.1
100°	0.0	58.0	129.1	137.8	130.5
102.5°	0.0	50.8	117.5	127.6	121.8
105°	0.0	46.4	107.3	117.5	113.1
107.5°	0.0	40.6	98.6	110.2	107.3
110°	0.0	36.3	89.9	103.0	100.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.4	81.2	95.7	92.8
115°	0.0	29.0	74.0	88.5	87.0
117.5°	0.0	26.1	68.2	81.2	81.2
120°	1.5	23.2	62.4	75.4	74.0
122.5°	1.5	20.3	55.1	68.2	66.7
125°	1.5	18.9	49.3	62.4	60.9
127.5°	1.5	16.0	45.0	55.1	53.7
130°	1.5	14.5	39.2	49.3	47.9
132.5°	1.5	11.6	34.8	43.5	42.1
135°	1.5	10.2	30.5	37.7	36.3
137.5°	1.5	8.7	26.1	33.4	31.9
140°	1.5	7.3	23.2	29.0	27.6
142.5°	1.5	5.8	18.9	24.7	23.2
145°	1.5	4.4	16.0	20.3	18.9
147.5°	1.5	2.9	13.1	17.4	16.0
150°	1.5	2.9	10.2	14.5	13.1
152.5°	1.5	2.9	8.7	11.6	8.7
155°	1.5	2.9	5.8	8.7	5.8
157.5°	1.5	2.9	4.4	5.8	4.4
160°	1.5	2.9	4.4	4.4	1.5
162.5°	1.5	2.9	2.9	1.5	0.0
165°	1.5	2.9	2.9	0.0	0.0
167.5°	1.5	2.9	2.9	0.0	0.0
170°	1.5	2.9	2.9	0.0	0.0
172.5°	1.5	2.9	2.9	0.0	0.0
175°	2.9	2.9	2.9	0.0	0.0
177.5°	1.5	2.9	1.5	0.0	0.0
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)