

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-L840-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-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

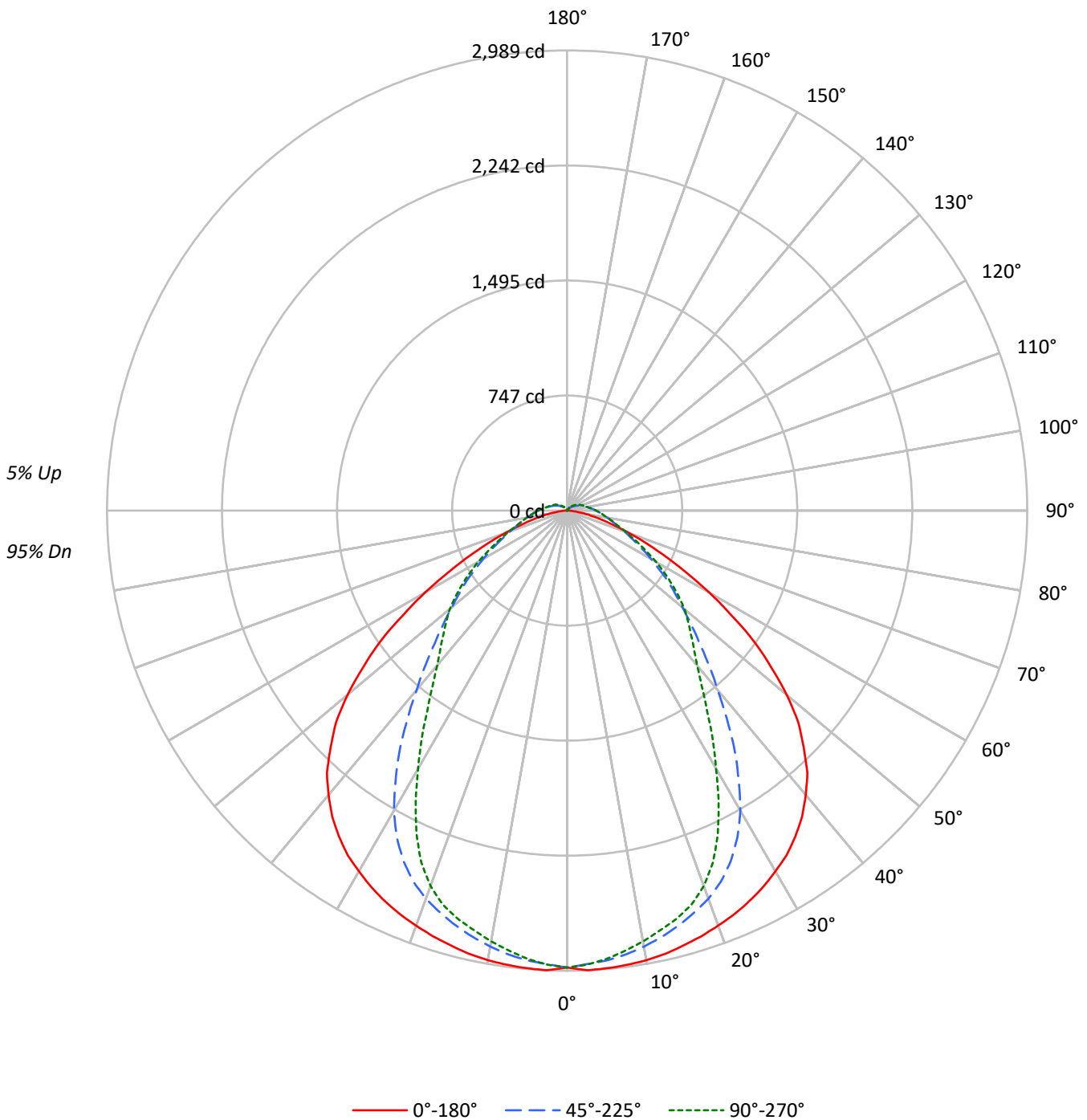
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6786.0 lumens
Efficiency: N/A
Efficacy: 146.9 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 (Ain): 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°	17426	17426	17426
5°	17554	16585	16282
10°	17607	15783	15156
15°	17664	15004	14157
20°	17779	14238	13045
25°	17947	13266	11442
30°	18102	11906	9477
35°	18231	10131	7728
40°	18136	8273	6445
45°	17635	6784	5664
50°	16560	5639	5058
55°	14699	4821	4344
60°	12044	4005	3629
65°	9331	3360	2972
70°	6896	2882	2462
75°	4910	2555	2093
80°	3405	2374	1869
85°	2134	2270	1743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.6	4.1
10°-20°	794.2	11.7
20°-30°	1160.4	17.1
30°-40°	1239.4	18.3
40°-50°	1092.2	16.1
50°-60°	829.3	12.2
60°-70°	528.7	7.8
70°-80°	315.4	4.6
80°-90°	198.1	2.9
90°-100°	131.1	1.9
100°-110°	89.1	1.3
110°-120°	59.9	0.9
120°-130°	37.0	0.5
130°-140°	19.6	0.3
140°-150°	8.5	0.1
150°-160°	2.7	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2234.2	32.9
0°-40°	3473.6	51.2
0°-60°	5395.1	79.5
0°-90°	6437.3	94.9
90°-120°	280.2	4.1
90°-150°	345.3	5.1
90°-180°	349.0	5.1
0°-180°	6786.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2968	2968	2968	2968	2968	
5°	2984	2962	2934	2943	2924	284
15°	2924	2869	2791	2772	2745	827
25°	2800	2674	2513	2392	2315	1292
35°	2584	2304	1896	1658	1582	1614
45°	2172	1635	1215	1144	1137	1670
55°	1483	927	799	827	828	1312
65°	704	477	495	524	520	711
75°	235	242	318	332	322	262
85°	40	131	222	233	223	48
90°	2	99	188	196	188	3
95°	0	75	156	165	156	0
105°	0	47	109	120	115	0
115°	0	30	75	90	89	0
125°	2	19	50	64	62	1
135°	2	10	31	38	37	1
145°	2	4	16	21	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°	2968.1	2968.1	2968.1	2968.1	2968.1
2.5°	2988.7	2971.0	2948.9	2963.6	2951.8
5°	2984.3	2962.2	2934.1	2943.0	2923.8
7.5°	2976.9	2948.9	2909.0	2906.0	2883.9
10°	2965.1	2928.2	2875.0	2864.7	2841.1
12.5°	2948.9	2903.1	2836.6	2820.4	2792.3
15°	2923.8	2869.1	2790.9	2771.7	2745.1
17.5°	2898.7	2830.7	2739.2	2715.6	2684.5
20°	2869.1	2786.4	2683.1	2632.9	2594.5
22.5°	2838.1	2736.2	2609.2	2525.1	2474.9
25°	2799.7	2674.2	2513.3	2392.2	2315.4
27.5°	2756.9	2609.2	2395.1	2220.9	2129.3
30°	2705.2	2522.1	2250.4	2031.9	1935.9
32.5°	2653.5	2427.6	2073.2	1845.8	1758.7
35°	2584.1	2303.6	1896.0	1658.3	1581.5
37.5°	2505.9	2164.8	1702.6	1491.4	1435.3
40°	2411.4	2002.3	1520.9	1352.6	1311.3
42.5°	2309.5	1823.7	1362.9	1240.4	1218.2
45°	2172.1	1634.6	1215.3	1144.4	1137.0
47.5°	2036.3	1445.6	1089.8	1060.2	1064.7
50°	1862.1	1258.1	976.1	986.4	993.8
52.5°	1670.1	1085.3	883.0	905.2	911.1
55°	1482.6	927.3	798.9	826.9	828.4
57.5°	1264.0	788.5	707.3	750.1	745.7
60°	1066.1	666.0	629.1	663.0	666.0
62.5°	871.2	565.6	559.6	589.2	587.7
65°	704.4	477.0	494.7	524.2	519.8
67.5°	559.6	398.7	440.0	465.1	454.8
70°	426.8	338.2	392.8	412.0	406.1
72.5°	320.4	286.5	351.4	369.2	358.8
75°	234.8	242.2	317.5	332.2	321.9
77.5°	168.3	208.2	290.9	299.8	292.4
80°	113.7	177.2	264.3	276.1	264.3
82.5°	72.4	152.1	242.2	252.5	242.2
85°	39.9	131.4	221.5	233.3	223.0
87.5°	17.7	113.7	203.8	214.1	205.3
90°	1.5	98.9	187.5	196.4	187.5
92.5°	0.0	85.6	171.3	181.6	172.8
95°	0.0	75.3	156.5	165.4	156.5
97.5°	0.0	66.4	143.2	152.1	144.7
100°	0.0	59.1	131.4	140.3	132.9
102.5°	0.0	51.7	119.6	129.9	124.0
105°	0.0	47.3	109.3	119.6	115.2
107.5°	0.0	41.3	100.4	112.2	109.3
110°	0.0	36.9	91.6	104.8	101.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.0	82.7	97.5	94.5
115°	0.0	29.5	75.3	90.1	88.6
117.5°	0.0	26.6	69.4	82.7	82.7
120°	1.5	23.6	63.5	76.8	75.3
122.5°	1.5	20.7	56.1	69.4	67.9
125°	1.5	19.2	50.2	63.5	62.0
127.5°	1.5	16.2	45.8	56.1	54.6
130°	1.5	14.8	39.9	50.2	48.7
132.5°	1.5	11.8	35.4	44.3	42.8
135°	1.5	10.3	31.0	38.4	36.9
137.5°	1.5	8.9	26.6	34.0	32.5
140°	1.5	7.4	23.6	29.5	28.1
142.5°	1.5	5.9	19.2	25.1	23.6
145°	1.5	4.4	16.2	20.7	19.2
147.5°	1.5	3.0	13.3	17.7	16.2
150°	1.5	3.0	10.3	14.8	13.3
152.5°	1.5	3.0	8.9	11.8	8.9
155°	1.5	3.0	5.9	8.9	5.9
157.5°	1.5	3.0	4.4	5.9	4.4
160°	1.5	3.0	4.4	4.4	1.5
162.5°	1.5	3.0	3.0	1.5	0.0
165°	1.5	3.0	3.0	0.0	0.0
167.5°	1.5	3.0	3.0	0.0	0.0
170°	1.5	3.0	3.0	0.0	0.0
172.5°	1.5	3.0	3.0	0.0	0.0
175°	3.0	3.0	3.0	0.0	0.0
177.5°	1.5	3.0	1.5	0.0	0.0
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)