

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-LD5-61SL-LC-UNV-L850-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-61SL-LC-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

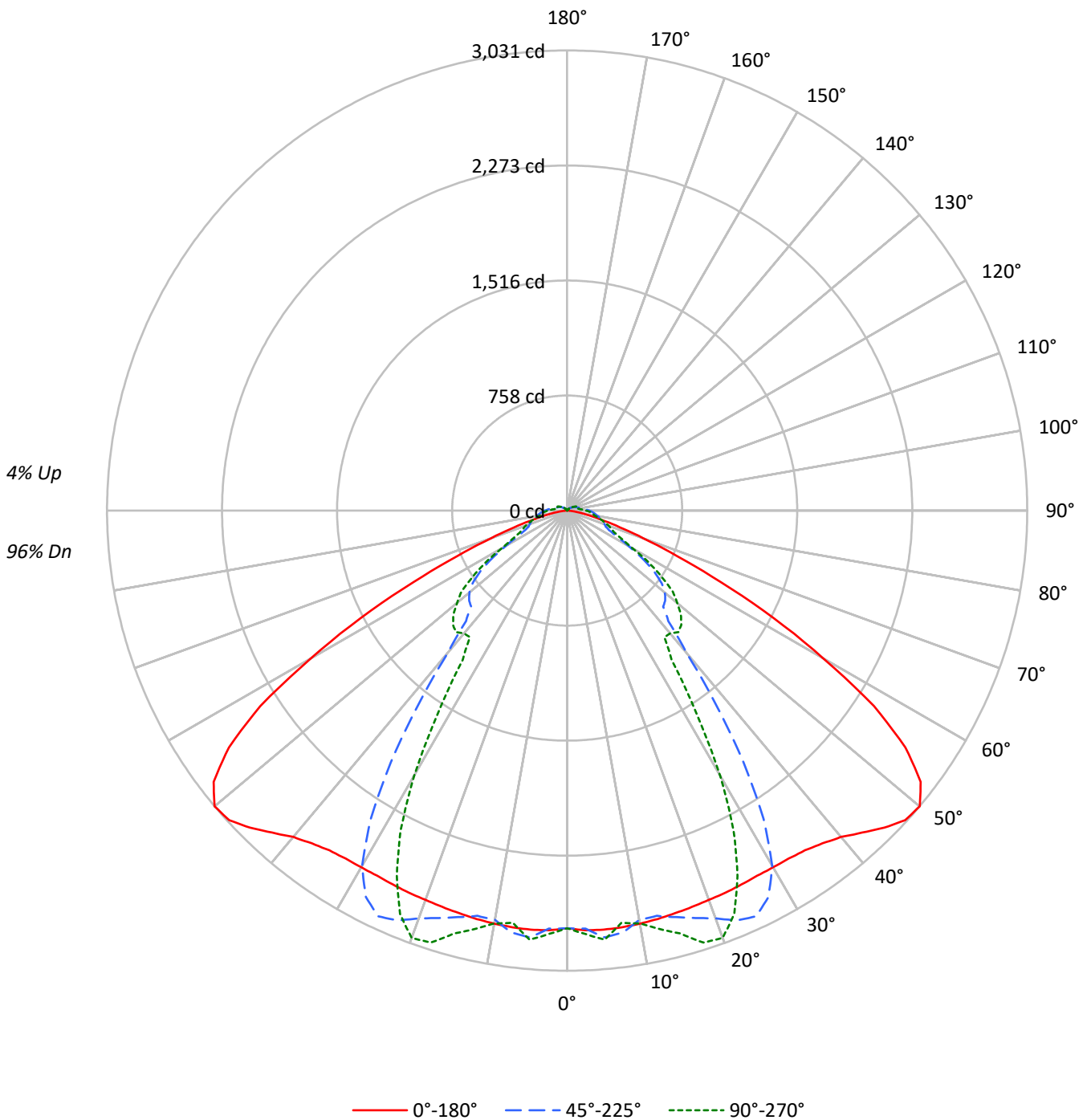
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6634.9 lumens
Efficiency: N/A
Efficacy: 164.6 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: Direct

Input Watts (W): 40.3
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	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	96	
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	59	54	50	48	
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	54	49	45	43	
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	50	45	40	38	
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	46	41	37	35	
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	43	37	33	32	
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	40	34	31	29	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16153	16153	16153
5°	16299	15952	15802
10°	16404	15026	14730
15°	16588	14905	14874
20°	16908	15163	15057
25°	17418	15560	13121
30°	18155	14293	9872
35°	19270	10822	5864
40°	21107	6635	5189
45°	23979	4993	5295
50°	26959	4857	4819
55°	26968	4219	3985
60°	22033	2982	2699
65°	14773	2067	1958
70°	8620	1921	1767
75°	4824	1890	1500
80°	2755	1818	1281
85°	1364	1799	1261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.0	4.0
10°-20°	797.7	12.0
20°-30°	1269.5	19.1
30°-40°	1293.8	19.5
40°-50°	1092.7	16.5
50°-60°	842.3	12.7
60°-70°	435.1	6.6
70°-80°	240.4	3.6
80°-90°	153.0	2.3
90°-100°	94.1	1.4
100°-110°	60.7	0.9
110°-120°	44.0	0.7
120°-130°	25.4	0.4
130°-140°	12.3	0.2
140°-150°	5.1	0.1
150°-160°	1.8	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2333.2	35.2
0°-40°	3627.0	54.7
0°-60°	5562.0	83.8
0°-90°	6390.5	96.3
90°-120°	198.9	3.0
90°-150°	241.7	3.6
90°-180°	244.0	3.7
0°-180°	6634.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2751	2751	2751	2751	2751	
5°	2771	2781	2822	2849	2838	264
15°	2746	2747	2772	2872	2884	778
25°	2717	2736	2948	2804	2655	1258
35°	2731	2860	2025	1377	1200	1724
45°	2954	1724	894	1032	1063	2281
55°	2720	634	699	760	760	2355
65°	1115	290	304	342	342	1151
75°	231	191	235	236	231	278
85°	26	124	176	170	161	35
90°	0	96	146	134	124	1
95°	0	75	116	102	93	0
105°	0	45	76	71	66	0
115°	1	27	55	66	65	1
125°	1	14	35	42	38	1
135°	1	7	20	24	20	1
145°	1	3	10	13	10	1
155°	1	1	4	6	3	1
165°	1	3	3	3	0	0
175°	3	3	3	3	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2751.2	2751.2	2751.2	2751.2	2751.2
2.5°	2766.8	2756.9	2756.9	2792.3	2792.3
5°	2771.0	2780.9	2822.0	2848.9	2837.5
7.5°	2768.2	2813.5	2803.6	2764.0	2738.5
10°	2762.5	2830.5	2737.1	2764.0	2761.1
12.5°	2755.5	2805.0	2734.2	2829.1	2823.4
15°	2745.6	2747.0	2772.4	2871.5	2884.2
17.5°	2737.1	2710.2	2813.5	2946.5	2983.3
20°	2728.6	2698.8	2857.4	3010.2	2994.6
22.5°	2724.3	2708.8	2922.5	2962.1	2875.8
25°	2717.2	2735.6	2947.9	2803.6	2655.0
27.5°	2711.6	2766.8	2870.1	2533.3	2374.8
30°	2713.0	2810.7	2701.7	2216.3	2016.7
32.5°	2717.2	2853.1	2408.7	1791.7	1585.1
35°	2731.4	2860.2	2025.2	1377.0	1200.1
37.5°	2762.5	2782.3	1607.7	1089.7	1051.5
40°	2806.4	2547.4	1219.9	1017.6	1055.8
42.5°	2877.2	2152.6	986.4	1028.9	1085.5
45°	2953.6	1723.8	894.4	1031.7	1062.8
47.5°	3018.7	1272.3	876.0	993.5	1016.1
50°	3031.4	958.1	840.6	932.6	946.8
52.5°	2935.2	757.1	784.0	852.0	877.4
55°	2720.1	634.0	699.1	760.0	760.0
57.5°	2396.0	537.8	587.3	645.3	639.7
60°	1950.2	443.0	468.4	503.8	495.3
62.5°	1534.1	355.2	363.7	401.9	407.6
65°	1115.2	290.1	304.3	342.5	342.5
67.5°	782.6	247.7	274.6	309.9	312.8
70°	533.5	223.6	261.8	290.1	291.5
72.5°	363.7	206.6	249.1	264.6	260.4
75°	230.7	191.1	234.9	236.3	230.7
77.5°	150.0	174.1	220.8	209.5	205.2
80°	92.0	157.1	202.4	188.2	181.1
82.5°	52.4	140.1	188.2	178.3	171.2
85°	25.5	124.5	175.5	169.8	161.3
87.5°	9.9	110.4	161.3	152.8	144.4
90°	0.0	96.2	145.8	134.4	124.5
92.5°	0.0	84.9	130.2	116.0	107.6
95°	0.0	75.0	116.0	101.9	93.4
97.5°	0.0	66.5	103.3	90.6	80.7
100°	0.0	59.4	93.4	80.7	73.6
102.5°	0.0	52.4	83.5	75.0	70.8
105°	0.0	45.3	76.4	70.8	66.5
107.5°	0.0	39.6	69.3	67.9	65.1
110°	0.0	35.4	65.1	66.5	67.9



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	31.1	59.4	67.9	69.3
115°	1.4	26.9	55.2	66.5	65.1
117.5°	1.4	22.6	49.5	59.4	56.6
120°	1.4	19.8	45.3	53.8	49.5
122.5°	1.4	17.0	39.6	46.7	43.9
125°	1.4	14.2	35.4	42.5	38.2
127.5°	1.4	12.7	31.1	36.8	34.0
130°	1.4	11.3	26.9	32.6	29.7
132.5°	1.4	8.5	24.1	28.3	24.1
135°	1.4	7.1	19.8	24.1	19.8
137.5°	1.4	5.7	17.0	19.8	17.0
140°	1.4	4.2	14.2	17.0	14.2
142.5°	1.4	4.2	11.3	15.6	11.3
145°	1.4	2.8	9.9	12.7	9.9
147.5°	1.4	2.8	8.5	11.3	8.5
150°	1.4	2.8	7.1	9.9	5.7
152.5°	1.4	1.4	5.7	8.5	4.2
155°	1.4	1.4	4.2	5.7	2.8
157.5°	1.4	1.4	4.2	4.2	2.8
160°	1.4	1.4	4.2	4.2	1.4
162.5°	1.4	1.4	2.8	2.8	0.0
165°	1.4	2.8	2.8	2.8	0.0
167.5°	1.4	2.8	2.8	2.8	0.0
170°	1.4	2.8	2.8	2.8	0.0
172.5°	1.4	2.8	2.8	2.8	0.0
175°	2.8	2.8	2.8	2.8	0.0
177.5°	2.8	2.8	2.8	2.8	0.0
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)