

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: **4SRL-LD5-56SL-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: 4SRL-LD5-56SL-LC-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

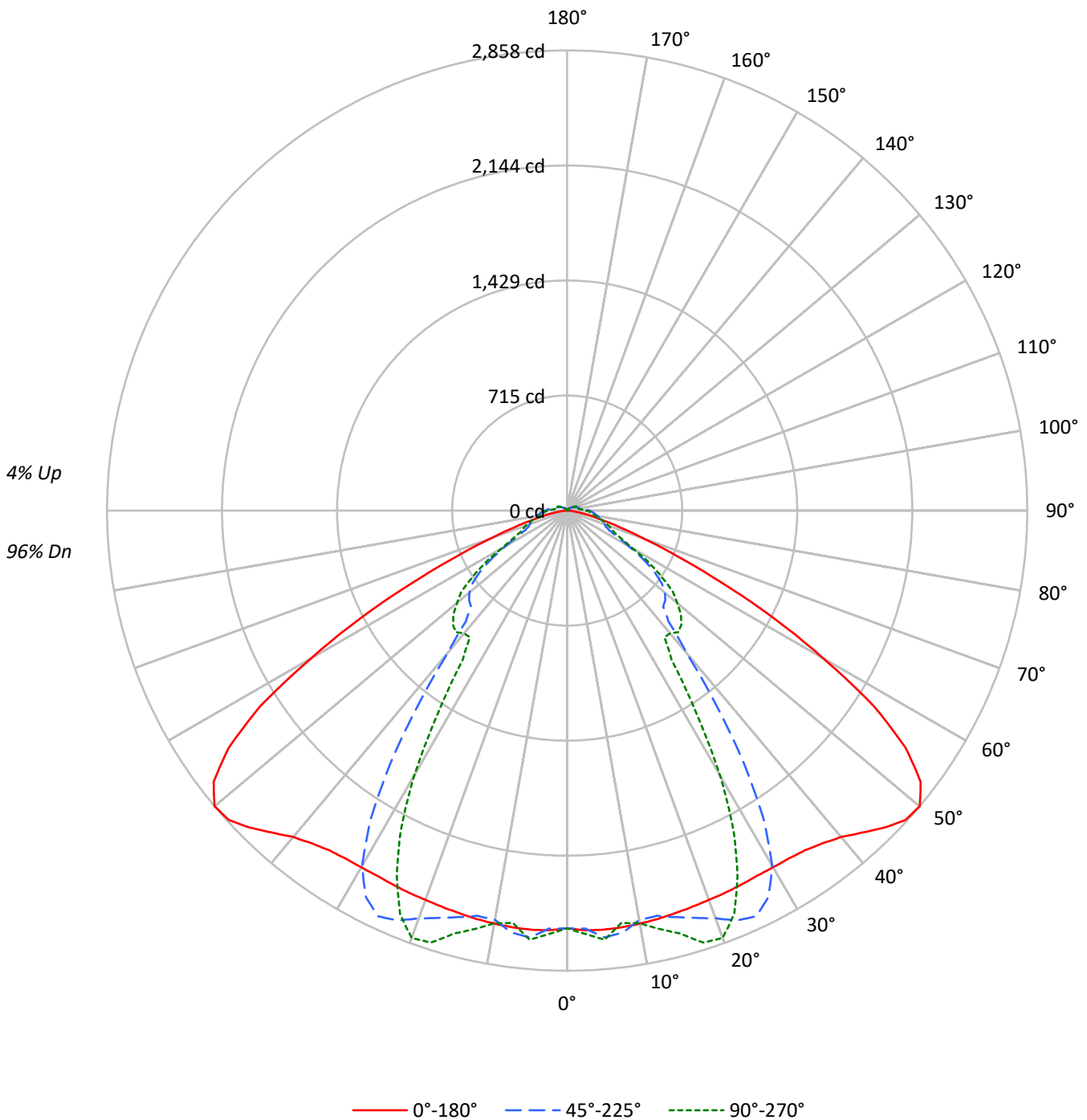
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6256.0 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 43.1
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°	30461	30461	30461
5°	30675	30040	29799
10°	30810	28262	27777
15°	31091	28001	28049
20°	31625	28451	28394
25°	32505	29164	24742
30°	33797	26760	18617
35°	35779	20237	11059
40°	39071	12394	9786
45°	44236	9314	9985
50°	49532	9049	9088
55°	49305	7850	7515
60°	40032	5541	5090
65°	26621	3833	3693
70°	15355	3556	3333
75°	8437	3490	2829
80°	4661	3346	2416
85°	2128	3301	2377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.8	4.0
10°-20°	752.1	12.0
20°-30°	1197.0	19.1
30°-40°	1219.9	19.5
40°-50°	1030.3	16.5
50°-60°	794.2	12.7
60°-70°	410.3	6.6
70°-80°	226.7	3.6
80°-90°	144.3	2.3
90°-100°	88.8	1.4
100°-110°	57.2	0.9
110°-120°	41.5	0.7
120°-130°	24.0	0.4
130°-140°	11.6	0.2
140°-150°	4.8	0.1
150°-160°	1.7	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2199.9	35.2
0°-40°	3419.8	54.7
0°-60°	5244.3	83.8
0°-90°	6025.5	96.3
90°-120°	187.5	3.0
90°-150°	228.0	3.6
90°-180°	230.0	3.7
0°-180°	6256.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2594	2594	2594	2594	2594	
5°	2613	2622	2661	2686	2676	249
15°	2589	2590	2614	2708	2720	733
25°	2562	2579	2780	2643	2503	1186
35°	2575	2697	1910	1298	1132	1626
45°	2785	1625	843	973	1002	2151
55°	2565	598	659	717	717	2221
65°	1052	274	287	323	323	1085
75°	218	180	222	223	218	262
85°	24	117	166	160	152	33
90°	0	91	137	127	117	1
95°	0	71	109	96	88	0
105°	0	43	72	67	63	0
115°	1	25	52	63	61	1
125°	1	13	33	40	36	1
135°	1	7	19	23	19	1
145°	1	3	9	12	9	1
155°	1	1	4	5	3	1
165°	1	3	3	3	0	0
175°	3	3	3	3	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2594.1	2594.1	2594.1	2594.1	2594.1
2.5°	2608.7	2599.4	2599.4	2632.8	2632.8
5°	2612.7	2622.1	2660.8	2686.1	2675.5
7.5°	2610.1	2652.8	2643.4	2606.1	2582.1
10°	2604.7	2668.8	2580.7	2606.1	2603.4
12.5°	2598.1	2644.8	2578.0	2667.5	2662.1
15°	2588.7	2590.1	2614.1	2707.5	2719.5
17.5°	2580.7	2555.4	2652.8	2778.2	2812.9
20°	2572.7	2544.7	2694.1	2838.3	2823.6
22.5°	2568.7	2554.0	2755.5	2792.9	2711.5
25°	2562.0	2579.4	2779.5	2643.4	2503.3
27.5°	2556.7	2608.7	2706.1	2388.6	2239.1
30°	2558.0	2650.1	2547.4	2089.7	1901.5
32.5°	2562.0	2690.1	2271.1	1689.3	1494.5
35°	2575.4	2696.8	1909.5	1298.4	1131.6
37.5°	2604.7	2623.4	1515.9	1027.5	991.5
40°	2646.1	2401.9	1150.2	959.4	995.5
42.5°	2712.8	2029.6	930.1	970.1	1023.5
45°	2784.9	1625.3	843.3	972.8	1002.1
47.5°	2846.3	1199.6	826.0	936.7	958.1
50°	2858.3	903.4	792.6	879.4	892.7
52.5°	2767.5	713.9	739.3	803.3	827.3
55°	2564.7	597.8	659.2	716.6	716.6
57.5°	2259.1	507.1	553.8	608.5	603.1
60°	1838.8	417.7	441.7	475.0	467.0
62.5°	1446.5	334.9	342.9	379.0	384.3
65°	1051.5	273.6	286.9	322.9	322.9
67.5°	737.9	233.5	258.9	292.2	294.9
70°	503.1	210.8	246.9	273.6	274.9
72.5°	342.9	194.8	234.9	249.5	245.5
75°	217.5	180.1	221.5	222.8	217.5
77.5°	141.4	164.1	208.2	197.5	193.5
80°	86.7	148.1	190.8	177.5	170.8
82.5°	49.4	132.1	177.5	168.1	161.5
85°	24.0	117.4	165.5	160.1	152.1
87.5°	9.3	104.1	152.1	144.1	136.1
90°	0.0	90.7	137.4	126.8	117.4
92.5°	0.0	80.1	122.8	109.4	101.4
95°	0.0	70.7	109.4	96.1	88.1
97.5°	0.0	62.7	97.4	85.4	76.1
100°	0.0	56.0	88.1	76.1	69.4
102.5°	0.0	49.4	78.7	70.7	66.7
105°	0.0	42.7	72.1	66.7	62.7
107.5°	0.0	37.4	65.4	64.1	61.4
110°	0.0	33.4	61.4	62.7	64.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.4	56.0	64.1	65.4
115°	1.3	25.4	52.0	62.7	61.4
117.5°	1.3	21.4	46.7	56.0	53.4
120°	1.3	18.7	42.7	50.7	46.7
122.5°	1.3	16.0	37.4	44.0	41.4
125°	1.3	13.3	33.4	40.0	36.0
127.5°	1.3	12.0	29.4	34.7	32.0
130°	1.3	10.7	25.4	30.7	28.0
132.5°	1.3	8.0	22.7	26.7	22.7
135°	1.3	6.7	18.7	22.7	18.7
137.5°	1.3	5.3	16.0	18.7	16.0
140°	1.3	4.0	13.3	16.0	13.3
142.5°	1.3	4.0	10.7	14.7	10.7
145°	1.3	2.7	9.3	12.0	9.3
147.5°	1.3	2.7	8.0	10.7	8.0
150°	1.3	2.7	6.7	9.3	5.3
152.5°	1.3	1.3	5.3	8.0	4.0
155°	1.3	1.3	4.0	5.3	2.7
157.5°	1.3	1.3	4.0	4.0	2.7
160°	1.3	1.3	4.0	4.0	1.3
162.5°	1.3	1.3	2.7	2.7	0.0
165°	1.3	2.7	2.7	2.7	0.0
167.5°	1.3	2.7	2.7	2.7	0.0
170°	1.3	2.7	2.7	2.7	0.0
172.5°	1.3	2.7	2.7	2.7	0.0
175°	2.7	2.7	2.7	2.7	0.0
177.5°	2.7	2.7	2.7	2.7	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)