

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: P218106

Luminaire Tested: **4SNLED-LD5-56SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-56SL-LC-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6565.0 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

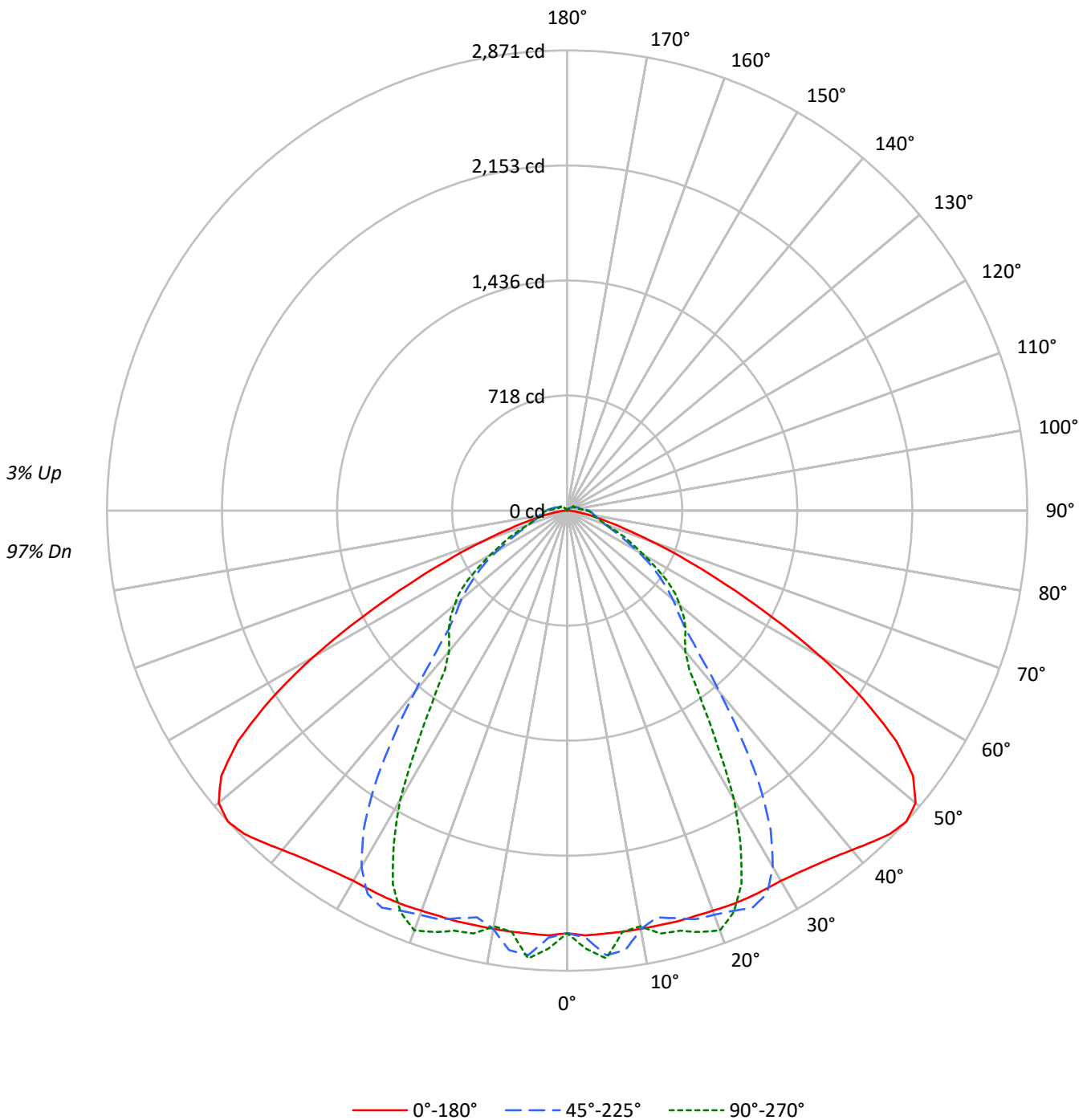
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	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	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	65	60	56	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42479	42479	42479
5°	42702	42305	41708
10°	43037	38370	36623
15°	43768	36682	35701
20°	44870	36283	35042
25°	46502	36176	31191
30°	48444	33494	24560
35°	51603	27194	17018
40°	56168	19208	13098
45°	62367	13661	11900
50°	67765	11476	10486
55°	66419	9425	8742
60°	55107	7133	6536
65°	38078	5163	4805
70°	23702	3925	3293
75°	13386	3346	2606
80°	7555	3129	2242
85°	3367	3032	2247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.1	3.9
10°-20°	763.2	11.6
20°-30°	1212.7	18.5
30°-40°	1307.6	19.9
40°-50°	1127.0	17.2
50°-60°	853.2	13.0
60°-70°	460.9	7.0
70°-80°	218.9	3.3
80°-90°	137.5	2.1
90°-100°	87.5	1.3
100°-110°	56.0	0.9
110°-120°	37.5	0.6
120°-130°	24.7	0.4
130°-140°	12.1	0.2
140°-150°	5.1	0.1
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2235.0	34.0
0°-40°	3542.6	54.0
0°-60°	5522.8	84.1
0°-90°	6340.1	96.6
90°-120°	180.9	2.8
90°-150°	222.9	3.4
90°-180°	225.0	3.4
0°-180°	6565.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2636	2636	2636	2636	2636	
5°	2650	2707	2784	2821	2804	253
15°	2653	2724	2633	2724	2714	752
25°	2666	2616	2734	2660	2572	1233
35°	2700	2599	2096	1602	1471	1701
45°	2851	1787	1041	1031	1044	2195
55°	2505	772	688	752	756	2179
65°	1088	329	349	393	396	1117
75°	248	171	202	202	198	293
85°	27	104	154	154	151	39
90°	0	81	134	131	121	1
95°	0	64	108	97	91	0
105°	0	40	74	67	60	0
115°	0	24	50	50	50	0
125°	0	13	34	44	40	0
135°	0	7	20	24	24	0
145°	0	3	10	13	10	0
155°	0	3	3	7	3	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2636.2	2636.2	2636.2	2636.2	2636.2
2.5°	2653.0	2656.4	2666.4	2716.8	2737.0
5°	2649.6	2706.7	2784.0	2820.9	2804.1
7.5°	2649.6	2767.2	2767.2	2696.7	2649.6
10°	2649.6	2800.8	2649.6	2636.2	2632.9
12.5°	2649.6	2780.6	2599.3	2693.3	2703.4
15°	2653.0	2723.5	2632.9	2723.5	2713.5
17.5°	2653.0	2656.4	2673.2	2743.7	2757.1
20°	2656.4	2612.7	2683.2	2797.4	2787.3
22.5°	2663.1	2606.0	2703.4	2773.9	2713.5
25°	2666.4	2616.1	2733.6	2659.7	2572.4
27.5°	2666.4	2629.5	2696.7	2485.1	2340.7
30°	2666.4	2636.2	2565.7	2243.3	2082.1
32.5°	2679.9	2629.5	2364.2	1927.6	1753.0
35°	2700.0	2599.3	2095.5	1601.9	1470.9
37.5°	2726.9	2518.7	1779.9	1339.9	1252.6
40°	2763.8	2344.0	1477.6	1172.0	1145.2
42.5°	2807.5	2088.8	1229.1	1088.1	1088.1
45°	2851.1	1786.6	1041.1	1031.0	1044.4
47.5°	2871.3	1491.1	936.9	973.9	987.3
50°	2837.7	1215.7	859.7	910.1	916.8
52.5°	2720.2	970.5	772.4	832.8	849.6
55°	2505.2	772.4	688.4	752.2	755.6
57.5°	2192.9	614.6	601.1	651.5	648.1
60°	1833.6	497.0	503.7	554.1	554.1
62.5°	1447.4	403.0	423.1	466.8	463.4
65°	1088.1	329.1	349.3	392.9	396.3
67.5°	802.6	272.0	295.5	325.7	319.0
70°	560.8	228.4	251.9	268.7	261.9
72.5°	372.8	194.8	221.6	228.4	225.0
75°	248.5	171.3	201.5	201.5	198.1
77.5°	161.2	151.1	188.1	184.7	178.0
80°	100.7	134.3	174.6	167.9	161.2
82.5°	60.4	117.5	164.6	157.8	151.1
85°	26.9	104.1	154.5	154.5	151.1
87.5°	10.1	94.0	144.4	147.8	141.0
90°	0.0	80.6	134.3	131.0	120.9
92.5°	0.0	73.9	120.9	110.8	104.1
95°	0.0	63.8	107.5	97.4	90.7
97.5°	0.0	57.1	97.4	87.3	80.6
100°	0.0	50.4	87.3	77.2	70.5
102.5°	0.0	43.7	80.6	70.5	67.2
105°	0.0	40.3	73.9	67.2	60.4
107.5°	0.0	36.9	67.2	60.4	57.1
110°	0.0	30.2	60.4	57.1	53.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.9	53.7	53.7	53.7
115°	0.0	23.5	50.4	50.4	50.4
117.5°	0.0	20.1	43.7	50.4	50.4
120°	0.0	20.1	40.3	47.0	47.0
122.5°	0.0	16.8	36.9	47.0	47.0
125°	0.0	13.4	33.6	43.7	40.3
127.5°	0.0	10.1	30.2	36.9	36.9
130°	0.0	10.1	26.9	33.6	30.2
132.5°	0.0	6.7	23.5	26.9	26.9
135°	0.0	6.7	20.1	23.5	23.5
137.5°	0.0	6.7	16.8	20.1	16.8
140°	0.0	3.4	13.4	16.8	13.4
142.5°	0.0	3.4	13.4	16.8	13.4
145°	0.0	3.4	10.1	13.4	10.1
147.5°	0.0	3.4	6.7	10.1	10.1
150°	0.0	3.4	6.7	10.1	6.7
152.5°	0.0	3.4	6.7	6.7	3.4
155°	0.0	3.4	3.4	6.7	3.4
157.5°	0.0	3.4	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)