

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: P218096

Luminaire Tested: **4SNLED-LD5-52SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218096
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-LD5-52SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5551.0 lumens
Efficiency: N/A
Efficacy: 129.7 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

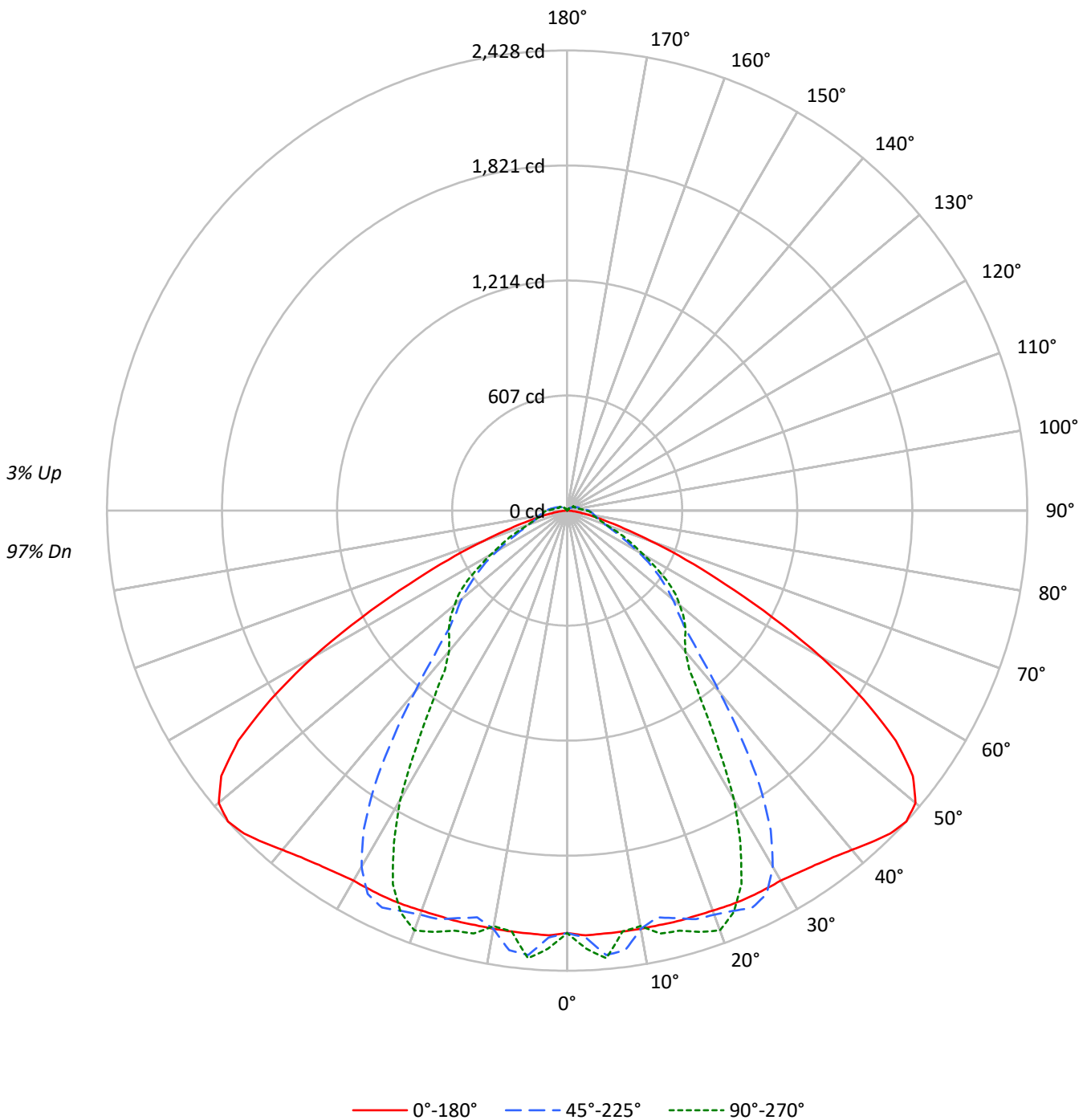
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	57	65	60	57	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°	35917	35917	35917
5°	36107	35771	35266
10°	36390	32444	30966
15°	37007	31016	30186
20°	37939	30679	29630
25°	39320	30588	26374
30°	40963	28320	20767
35°	43634	22995	14389
40°	47493	16242	11075
45°	52736	11551	10062
50°	57298	9704	8866
55°	56161	7969	7392
60°	46596	6031	5526
65°	32195	4365	4063
70°	20042	3319	2785
75°	11317	2830	2204
80°	6393	2647	1896
85°	2841	2563	1901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.1	3.9
10°-20°	645.3	11.6
20°-30°	1025.4	18.5
30°-40°	1105.6	19.9
40°-50°	952.9	17.2
50°-60°	721.4	13.0
60°-70°	389.7	7.0
70°-80°	185.1	3.3
80°-90°	116.2	2.1
90°-100°	74.0	1.3
100°-110°	47.3	0.9
110°-120°	31.7	0.6
120°-130°	20.9	0.4
130°-140°	10.2	0.2
140°-150°	4.3	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1889.8	34.0
0°-40°	2995.4	54.0
0°-60°	4669.8	84.1
0°-90°	5360.9	96.6
90°-120°	153.0	2.8
90°-150°	188.4	3.4
90°-180°	190.0	3.4
0°-180°	5551.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2229	2229	2229	2229	2229	
5°	2240	2289	2354	2385	2371	214
15°	2243	2303	2226	2303	2294	636
25°	2255	2212	2311	2249	2175	1043
35°	2283	2198	1772	1354	1244	1438
45°	2411	1511	880	872	883	1856
55°	2118	653	582	636	639	1842
65°	920	278	295	332	335	945
75°	210	145	170	170	168	247
85°	23	88	131	131	128	33
90°	0	68	114	111	102	1
95°	0	54	91	82	77	0
105°	0	34	62	57	51	0
115°	0	20	43	43	43	0
125°	0	11	28	37	34	0
135°	0	6	17	20	20	0
145°	0	3	8	11	8	0
155°	0	3	3	6	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°	2229.0	2229.0	2229.0	2229.0	2229.0
2.5°	2243.2	2246.1	2254.6	2297.2	2314.2
5°	2240.4	2288.7	2354.0	2385.2	2371.0
7.5°	2240.4	2339.8	2339.8	2280.1	2240.4
10°	2240.4	2368.2	2240.4	2229.0	2226.2
12.5°	2240.4	2351.1	2197.8	2277.3	2285.8
15°	2243.2	2302.9	2226.2	2302.9	2294.3
17.5°	2243.2	2246.1	2260.3	2319.9	2331.3
20°	2246.1	2209.2	2268.8	2365.3	2356.8
22.5°	2251.8	2203.5	2285.8	2345.5	2294.3
25°	2254.6	2212.0	2311.4	2248.9	2175.1
27.5°	2254.6	2223.4	2280.1	2101.3	1979.2
30°	2254.6	2229.0	2169.4	1896.8	1760.5
32.5°	2265.9	2223.4	1999.0	1629.9	1482.2
35°	2283.0	2197.8	1771.9	1354.5	1243.7
37.5°	2305.7	2129.7	1505.0	1133.0	1059.1
40°	2336.9	1982.0	1249.4	991.0	968.3
42.5°	2373.9	1766.2	1039.3	920.0	920.0
45°	2410.8	1510.6	880.3	871.7	883.1
47.5°	2427.8	1260.8	792.2	823.5	834.8
50°	2399.4	1027.9	726.9	769.5	775.2
52.5°	2300.0	820.6	653.1	704.2	718.4
55°	2118.3	653.1	582.1	636.1	638.9
57.5°	1854.2	519.6	508.3	550.9	548.0
60°	1550.4	420.3	425.9	468.5	468.5
62.5°	1223.8	340.7	357.8	394.7	391.9
65°	920.0	278.3	295.3	332.2	335.1
67.5°	678.6	230.0	249.9	275.4	269.8
70°	474.2	193.1	213.0	227.2	221.5
72.5°	315.2	164.7	187.4	193.1	190.2
75°	210.1	144.8	170.4	170.4	167.5
77.5°	136.3	127.8	159.0	156.2	150.5
80°	85.2	113.6	147.7	142.0	136.3
82.5°	51.1	99.4	139.1	133.5	127.8
85°	22.7	88.0	130.6	130.6	127.8
87.5°	8.5	79.5	122.1	124.9	119.3
90°	0.0	68.1	113.6	110.7	102.2
92.5°	0.0	62.5	102.2	93.7	88.0
95°	0.0	54.0	90.9	82.3	76.7
97.5°	0.0	48.3	82.3	73.8	68.1
100°	0.0	42.6	73.8	65.3	59.6
102.5°	0.0	36.9	68.1	59.6	56.8
105°	0.0	34.1	62.5	56.8	51.1
107.5°	0.0	31.2	56.8	51.1	48.3
110°	0.0	25.6	51.1	48.3	45.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.7	45.4	45.4	45.4
115°	0.0	19.9	42.6	42.6	42.6
117.5°	0.0	17.0	36.9	42.6	42.6
120°	0.0	17.0	34.1	39.8	39.8
122.5°	0.0	14.2	31.2	39.8	39.8
125°	0.0	11.4	28.4	36.9	34.1
127.5°	0.0	8.5	25.6	31.2	31.2
130°	0.0	8.5	22.7	28.4	25.6
132.5°	0.0	5.7	19.9	22.7	22.7
135°	0.0	5.7	17.0	19.9	19.9
137.5°	0.0	5.7	14.2	17.0	14.2
140°	0.0	2.8	11.4	14.2	11.4
142.5°	0.0	2.8	11.4	14.2	11.4
145°	0.0	2.8	8.5	11.4	8.5
147.5°	0.0	2.8	5.7	8.5	8.5
150°	0.0	2.8	5.7	8.5	5.7
152.5°	0.0	2.8	5.7	5.7	2.8
155°	0.0	2.8	2.8	5.7	2.8
157.5°	0.0	2.8	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	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)