

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: P218103

Luminaire Tested: **4SNLED-LD5-56SL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218103
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5601.0 lumens
Efficiency: N/A
Efficacy: 118.9 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

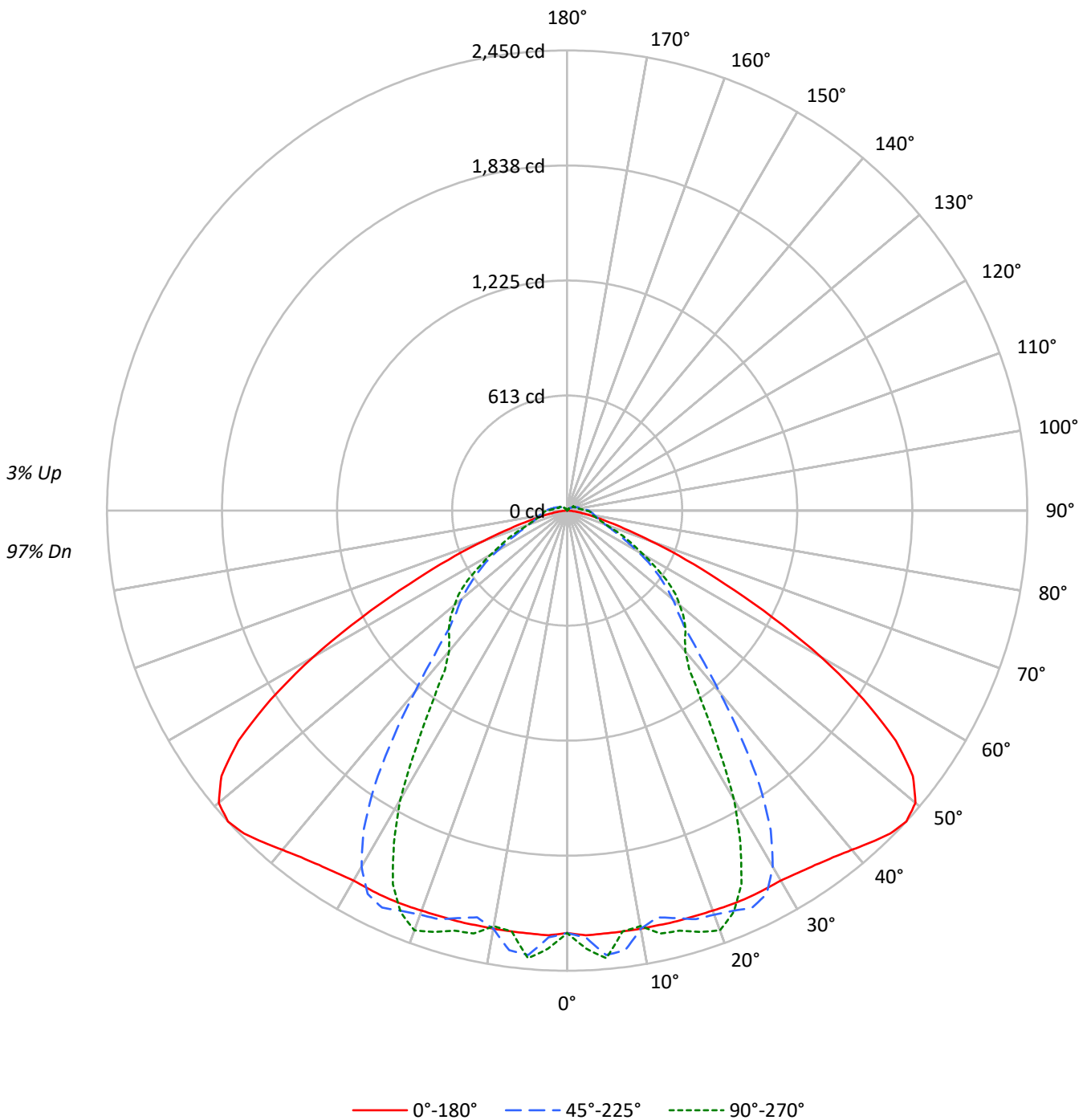
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	36241	36241	36241
5°	36433	36093	35584
10°	36718	32736	31244
15°	37340	31294	30458
20°	38280	30955	29896
25°	39674	30864	26611
30°	41332	28575	20954
35°	44027	23201	14519
40°	47921	16387	11175
45°	53211	11655	10152
50°	57814	9792	8946
55°	56668	8040	7459
60°	47016	6086	5576
65°	32486	4404	4100
70°	20224	3348	2810
75°	11419	2855	2223
80°	6453	2670	1913
85°	2866	2587	1917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.1	3.9
10°-20°	651.1	11.6
20°-30°	1034.6	18.5
30°-40°	1115.6	19.9
40°-50°	961.5	17.2
50°-60°	727.9	13.0
60°-70°	393.3	7.0
70°-80°	186.8	3.3
80°-90°	117.3	2.1
90°-100°	74.6	1.3
100°-110°	47.8	0.9
110°-120°	32.0	0.6
120°-130°	21.1	0.4
130°-140°	10.3	0.2
140°-150°	4.4	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1906.8	34.0
0°-40°	3022.4	54.0
0°-60°	4711.8	84.1
0°-90°	5409.1	96.6
90°-120°	154.3	2.8
90°-150°	190.2	3.4
90°-180°	192.0	3.4
0°-180°	5601.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2249	2249	2249	2249	2249	
5°	2261	2309	2375	2407	2392	216
15°	2263	2324	2246	2324	2315	641
25°	2275	2232	2332	2269	2195	1052
35°	2304	2218	1788	1367	1255	1451
45°	2432	1524	888	880	891	1872
55°	2137	659	587	642	645	1859
65°	928	281	298	335	338	953
75°	212	146	172	172	169	250
85°	23	89	132	132	129	33
90°	0	69	115	112	103	1
95°	0	54	92	83	77	0
105°	0	34	63	57	52	0
115°	0	20	43	43	43	0
125°	0	12	29	37	34	0
135°	0	6	17	20	20	0
145°	0	3	9	12	9	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°	2249.1	2249.1	2249.1	2249.1	2249.1
2.5°	2263.4	2266.3	2274.9	2317.9	2335.1
5°	2260.6	2309.3	2375.2	2406.7	2392.4
7.5°	2260.6	2360.9	2360.9	2300.7	2260.6
10°	2260.6	2389.5	2260.6	2249.1	2246.2
12.5°	2260.6	2372.3	2217.6	2297.8	2306.4
15°	2263.4	2323.6	2246.2	2323.6	2315.0
17.5°	2263.4	2266.3	2280.6	2340.8	2352.3
20°	2266.3	2229.1	2289.2	2386.6	2378.0
22.5°	2272.0	2223.3	2306.4	2366.6	2315.0
25°	2274.9	2231.9	2332.2	2269.2	2194.7
27.5°	2274.9	2243.4	2300.7	2120.2	1997.0
30°	2274.9	2249.1	2188.9	1913.9	1776.4
32.5°	2286.4	2243.4	2017.0	1644.6	1495.6
35°	2303.6	2217.6	1787.8	1366.7	1254.9
37.5°	2326.5	2148.8	1518.5	1143.2	1068.7
40°	2358.0	1999.8	1260.6	999.9	977.0
42.5°	2395.2	1782.1	1048.6	928.3	928.3
45°	2432.5	1524.2	888.2	879.6	891.0
47.5°	2449.7	1272.1	799.4	830.9	842.3
50°	2421.0	1037.2	733.5	776.4	782.2
52.5°	2320.7	828.0	659.0	710.5	724.9
55°	2137.4	659.0	587.3	641.8	644.7
57.5°	1870.9	524.3	512.9	555.8	553.0
60°	1564.4	424.0	429.8	472.7	472.7
62.5°	1234.9	343.8	361.0	398.3	395.4
65°	928.3	280.8	298.0	335.2	338.1
67.5°	684.8	232.1	252.1	277.9	272.2
70°	478.5	194.8	214.9	229.2	223.5
72.5°	318.0	166.2	189.1	194.8	192.0
75°	212.0	146.1	171.9	171.9	169.0
77.5°	137.5	128.9	160.4	157.6	151.9
80°	86.0	114.6	149.0	143.3	137.5
82.5°	51.6	100.3	140.4	134.7	128.9
85°	22.9	88.8	131.8	131.8	128.9
87.5°	8.6	80.2	123.2	126.1	120.3
90°	0.0	68.8	114.6	111.7	103.1
92.5°	0.0	63.0	103.1	94.5	88.8
95°	0.0	54.4	91.7	83.1	77.4
97.5°	0.0	48.7	83.1	74.5	68.8
100°	0.0	43.0	74.5	65.9	60.2
102.5°	0.0	37.2	68.8	60.2	57.3
105°	0.0	34.4	63.0	57.3	51.6
107.5°	0.0	31.5	57.3	51.6	48.7
110°	0.0	25.8	51.6	48.7	45.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.9	45.8	45.8	45.8
115°	0.0	20.1	43.0	43.0	43.0
117.5°	0.0	17.2	37.2	43.0	43.0
120°	0.0	17.2	34.4	40.1	40.1
122.5°	0.0	14.3	31.5	40.1	40.1
125°	0.0	11.5	28.7	37.2	34.4
127.5°	0.0	8.6	25.8	31.5	31.5
130°	0.0	8.6	22.9	28.7	25.8
132.5°	0.0	5.7	20.1	22.9	22.9
135°	0.0	5.7	17.2	20.1	20.1
137.5°	0.0	5.7	14.3	17.2	14.3
140°	0.0	2.9	11.5	14.3	11.5
142.5°	0.0	2.9	11.5	14.3	11.5
145°	0.0	2.9	8.6	11.5	8.6
147.5°	0.0	2.9	5.7	8.6	8.6
150°	0.0	2.9	5.7	8.6	5.7
152.5°	0.0	2.9	5.7	5.7	2.9
155°	0.0	2.9	2.9	5.7	2.9
157.5°	0.0	2.9	2.9	2.9	2.9
160°	2.9	2.9	2.9	2.9	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)