

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: P218212

Luminaire Tested: **4SNLED-LD5-50HL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218212  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-50HL-LN-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5063.0 lumens  
Efficiency: N/A  
Efficacy: 136.8 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

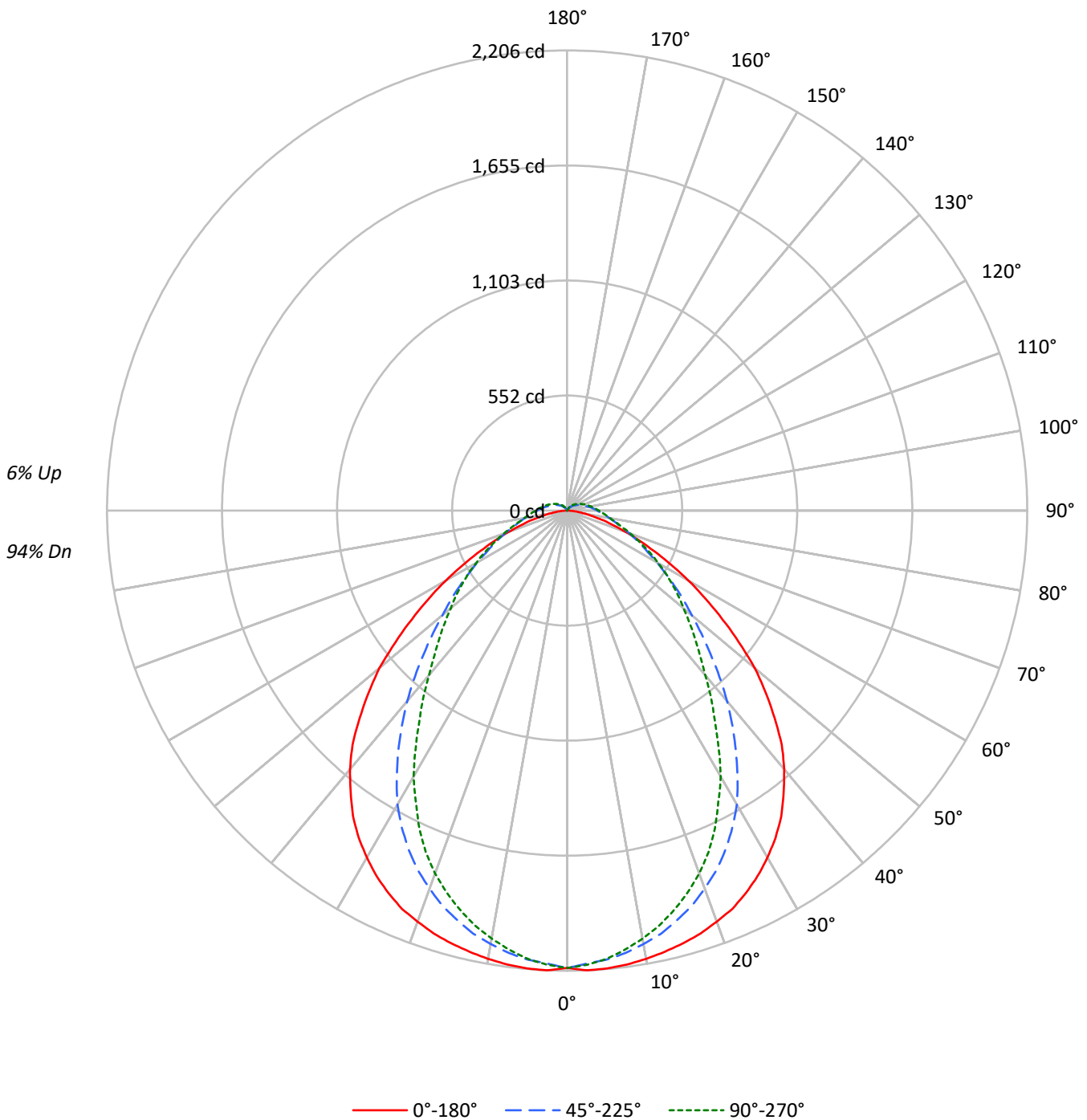
Input Watts (W): 37  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	35332	35332	35332
5°	35509	32834	32098
10°	35441	30556	28978
15°	35425	28319	26075
20°	35414	26079	23273
25°	35309	23757	20344
30°	34894	21242	17368
35°	34209	18312	14289
40°	32907	15501	11776
45°	30752	12742	9878
50°	28028	10398	8329
55°	24116	8583	7098
60°	20202	7025	5948
65°	16056	5835	4917
70°	12515	4905	4058
75°	9486	4163	3369
80°	6603	3681	2895
85°	4005	3350	2619



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.1	4.1
10°-20°	578.5	11.4
20°-30°	837.8	16.5
30°-40°	911.8	18.0
40°-50°	809.8	16.0
50°-60°	616.4	12.2
60°-70°	409.3	8.1
70°-80°	249.4	4.9
80°-90°	154.5	3.1
90°-100°	105.5	2.1
100°-110°	74.1	1.5
110°-120°	50.5	1.0
120°-130°	32.0	0.6
130°-140°	18.2	0.4
140°-150°	8.5	0.2
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1622.4	32.0
0°-40°	2534.2	50.1
0°-60°	3960.4	78.2
0°-90°	4773.6	94.3
90°-120°	230.1	4.5
90°-150°	288.8	5.7
90°-180°	289.0	5.7
0°-180°	5063.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2193	2193	2193	2193	2193	
5°	2203	2190	2161	2171	2158	210
15°	2147	2110	2033	2009	1982	607
25°	2025	1934	1795	1723	1678	932
35°	1790	1630	1411	1288	1235	1115
45°	1406	1195	971	888	867	1083
55°	910	739	627	616	614	816
65°	459	395	395	411	406	463
75°	176	200	251	264	256	190
85°	32	101	171	181	176	38
90°	0	75	144	157	152	2
95°	0	59	123	136	133	0
105°	0	37	88	101	101	0
115°	0	24	64	77	75	0
125°	0	16	43	53	53	0
135°	0	11	29	37	37	0
145°	0	5	16	21	21	0
155°	0	0	0	0	0	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°	2192.7	2192.7	2192.7	2192.7	2192.7
2.5°	2206.0	2195.3	2174.0	2187.3	2179.3
5°	2203.3	2190.0	2160.7	2171.3	2158.0
7.5°	2195.3	2179.3	2139.3	2144.6	2123.3
10°	2182.0	2160.7	2110.0	2104.6	2083.3
12.5°	2166.0	2139.3	2078.0	2059.3	2037.9
15°	2147.3	2110.0	2032.6	2008.6	1981.9
17.5°	2126.0	2075.3	1987.3	1949.9	1920.6
20°	2096.6	2035.3	1928.6	1883.2	1851.2
22.5°	2067.3	1987.3	1867.2	1805.9	1771.2
25°	2024.6	1933.9	1795.2	1723.2	1677.8
27.5°	1976.6	1872.6	1715.2	1621.8	1571.1
30°	1920.6	1800.5	1627.2	1517.8	1472.4
32.5°	1859.2	1720.5	1520.5	1403.1	1352.4
35°	1789.9	1629.8	1411.1	1288.4	1235.0
37.5°	1704.5	1531.1	1301.7	1176.4	1133.7
40°	1619.2	1427.1	1192.4	1075.0	1029.6
42.5°	1523.1	1312.4	1080.3	973.6	941.6
45°	1405.8	1195.0	971.0	888.3	866.9
47.5°	1291.1	1075.0	872.3	813.6	794.9
50°	1173.7	957.6	778.9	741.6	728.2
52.5°	1037.6	842.9	701.5	677.5	672.2
55°	909.6	738.9	626.9	616.2	613.5
57.5°	786.9	640.2	557.5	565.5	560.2
60°	672.2	549.5	496.1	506.8	504.2
62.5°	560.2	466.8	440.1	461.5	456.1
65°	458.8	394.8	394.8	410.8	405.5
67.5°	370.8	336.1	352.1	368.1	362.8
70°	296.1	282.8	314.8	328.1	322.8
72.5°	229.4	237.4	277.4	293.4	285.4
75°	176.1	200.1	250.7	264.1	256.1
77.5°	125.4	168.1	226.7	237.4	229.4
80°	88.0	141.4	205.4	216.1	208.1
82.5°	56.0	120.0	186.7	197.4	192.1
85°	32.0	101.4	170.7	181.4	176.1
87.5°	16.0	88.0	154.7	168.1	162.7
90°	0.0	74.7	144.0	157.4	152.0
92.5°	0.0	66.7	133.4	146.7	141.4
95°	0.0	58.7	122.7	136.0	133.4
97.5°	0.0	53.3	114.7	128.0	122.7
100°	0.0	45.3	104.0	117.4	114.7
102.5°	0.0	42.7	96.0	109.4	106.7
105°	0.0	37.3	88.0	101.4	101.4
107.5°	0.0	34.7	82.7	96.0	93.4
110°	0.0	29.3	74.7	88.0	88.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.7	69.4	82.7	80.0
115°	0.0	24.0	64.0	77.4	74.7
117.5°	0.0	24.0	58.7	69.4	69.4
120°	0.0	21.3	53.3	64.0	64.0
122.5°	0.0	18.7	48.0	58.7	58.7
125°	0.0	16.0	42.7	53.3	53.3
127.5°	0.0	16.0	40.0	50.7	50.7
130°	0.0	13.3	34.7	45.3	45.3
132.5°	0.0	10.7	32.0	40.0	40.0
135°	0.0	10.7	29.3	37.3	37.3
137.5°	0.0	8.0	24.0	32.0	32.0
140°	0.0	8.0	21.3	29.3	29.3
142.5°	0.0	5.3	18.7	26.7	24.0
145°	0.0	5.3	16.0	21.3	21.3
147.5°	0.0	2.7	13.3	18.7	18.7
150°	0.0	2.7	10.7	16.0	13.3
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)