

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: P218214

Luminaire Tested: **4SNLED-LD5-50HL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218214  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5586.0 lumens  
Efficiency: N/A  
Efficacy: 151.0 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

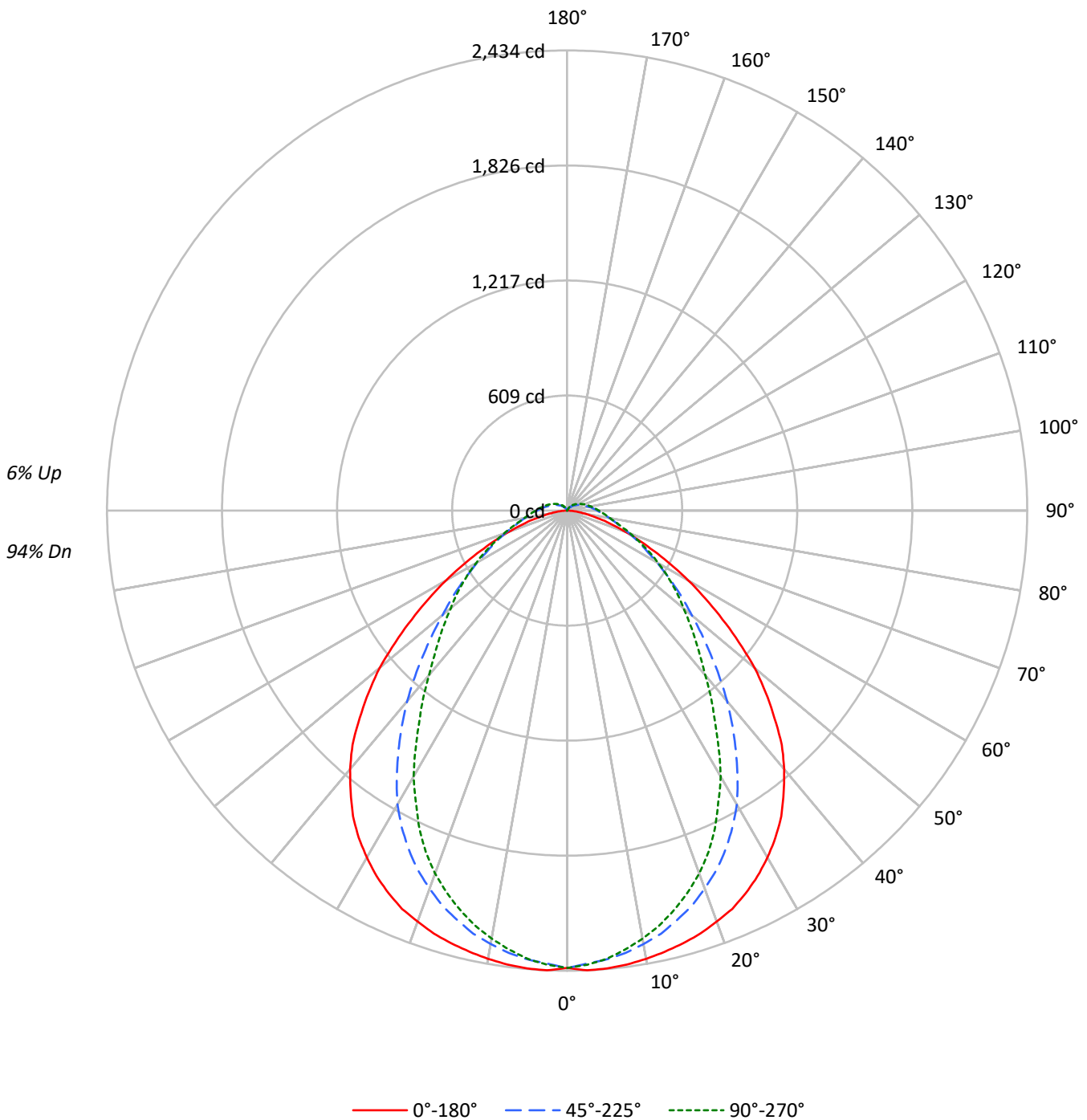
Input Watts (W): 37  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	38982	38982	38982
5°	39177	36224	35413
10°	39103	33711	31971
15°	39084	31244	28770
20°	39073	28773	25678
25°	38957	26212	22446
30°	38499	23435	19163
35°	37743	20205	15765
40°	36305	17101	12993
45°	33928	14058	10898
50°	30922	11472	9189
55°	26608	9468	7832
60°	22288	7751	6561
65°	17714	6438	5424
70°	13808	5411	4477
75°	10461	4593	3717
80°	7285	4061	3194
85°	4418	3698	2889



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.4	4.1
10°-20°	638.3	11.4
20°-30°	924.3	16.5
30°-40°	1006.0	18.0
40°-50°	893.4	16.0
50°-60°	680.1	12.2
60°-70°	451.5	8.1
70°-80°	275.1	4.9
80°-90°	170.5	3.1
90°-100°	116.5	2.1
100°-110°	81.7	1.5
110°-120°	55.6	1.0
120°-130°	35.3	0.6
130°-140°	20.1	0.4
140°-150°	9.4	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1790.0	32.0
0°-40°	2796.0	50.1
0°-60°	4369.5	78.2
0°-90°	5266.7	94.3
90°-120°	253.8	4.5
90°-150°	318.6	5.7
90°-180°	319.0	5.7
0°-180°	5586.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2419	2419	2419	2419	2419	
5°	2431	2416	2384	2396	2381	231
15°	2369	2328	2243	2216	2187	669
25°	2234	2134	1981	1901	1851	1029
35°	1975	1798	1557	1422	1363	1230
45°	1551	1318	1071	980	956	1194
55°	1004	815	692	680	677	900
65°	506	436	436	453	447	510
75°	194	221	277	291	282	210
85°	35	112	188	200	194	42
90°	0	82	159	174	168	2
95°	0	65	135	150	147	0
105°	0	41	97	112	112	0
115°	0	26	71	85	82	0
125°	0	18	47	59	59	0
135°	0	12	32	41	41	0
145°	0	6	18	24	24	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°	2419.2	2419.2	2419.2	2419.2	2419.2
2.5°	2433.9	2422.1	2398.6	2413.3	2404.4
5°	2430.9	2416.2	2383.8	2395.6	2380.9
7.5°	2422.1	2404.4	2360.3	2366.2	2342.6
10°	2407.4	2383.8	2327.9	2322.0	2298.5
12.5°	2389.7	2360.3	2292.6	2272.0	2248.5
15°	2369.1	2327.9	2242.6	2216.1	2186.7
17.5°	2345.6	2289.7	2192.5	2151.3	2119.0
20°	2313.2	2245.5	2127.8	2077.8	2042.5
22.5°	2280.8	2192.5	2060.1	1992.4	1954.2
25°	2233.8	2133.7	1980.7	1901.2	1851.2
27.5°	2180.8	2066.0	1892.4	1789.4	1733.4
30°	2119.0	1986.5	1795.2	1674.6	1624.5
32.5°	2051.3	1898.2	1677.5	1548.0	1492.1
35°	1974.8	1798.2	1556.9	1421.5	1362.6
37.5°	1880.6	1689.3	1436.2	1297.9	1250.8
40°	1786.4	1574.5	1315.5	1186.0	1136.0
42.5°	1680.5	1448.0	1191.9	1074.2	1038.9
45°	1551.0	1318.5	1071.3	980.0	956.5
47.5°	1424.4	1186.0	962.4	897.6	877.0
50°	1294.9	1056.5	859.4	818.2	803.4
52.5°	1144.8	930.0	774.0	747.5	741.6
55°	1003.6	815.2	691.6	679.8	676.9
57.5°	868.2	706.3	615.1	623.9	618.0
60°	741.6	606.3	547.4	559.2	556.2
62.5°	618.0	515.0	485.6	509.1	503.3
65°	506.2	435.6	435.6	453.2	447.3
67.5°	409.1	370.8	388.5	406.1	400.3
70°	326.7	312.0	347.3	362.0	356.1
72.5°	253.1	261.9	306.1	323.7	314.9
75°	194.2	220.7	276.6	291.4	282.5
77.5°	138.3	185.4	250.2	261.9	253.1
80°	97.1	156.0	226.6	238.4	229.6
82.5°	61.8	132.4	206.0	217.8	211.9
85°	35.3	111.8	188.4	200.1	194.2
87.5°	17.7	97.1	170.7	185.4	179.5
90°	0.0	82.4	158.9	173.6	167.8
92.5°	0.0	73.6	147.2	161.9	156.0
95°	0.0	64.7	135.4	150.1	147.2
97.5°	0.0	58.9	126.5	141.3	135.4
100°	0.0	50.0	114.8	129.5	126.5
102.5°	0.0	47.1	105.9	120.7	117.7
105°	0.0	41.2	97.1	111.8	111.8
107.5°	0.0	38.3	91.2	105.9	103.0
110°	0.0	32.4	82.4	97.1	97.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.4	76.5	91.2	88.3
115°	0.0	26.5	70.6	85.3	82.4
117.5°	0.0	26.5	64.7	76.5	76.5
120°	0.0	23.5	58.9	70.6	70.6
122.5°	0.0	20.6	53.0	64.7	64.7
125°	0.0	17.7	47.1	58.9	58.9
127.5°	0.0	17.7	44.1	55.9	55.9
130°	0.0	14.7	38.3	50.0	50.0
132.5°	0.0	11.8	35.3	44.1	44.1
135°	0.0	11.8	32.4	41.2	41.2
137.5°	0.0	8.8	26.5	35.3	35.3
140°	0.0	8.8	23.5	32.4	32.4
142.5°	0.0	5.9	20.6	29.4	26.5
145°	0.0	5.9	17.7	23.5	23.5
147.5°	0.0	2.9	14.7	20.6	20.6
150°	0.0	2.9	11.8	17.7	14.7
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)