

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: P218238

Luminaire Tested: **4SNLED-LD5-64SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218238  
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-LD5-64SL-LN-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7073.0 lumens  
Efficiency: N/A  
Efficacy: 128.8 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

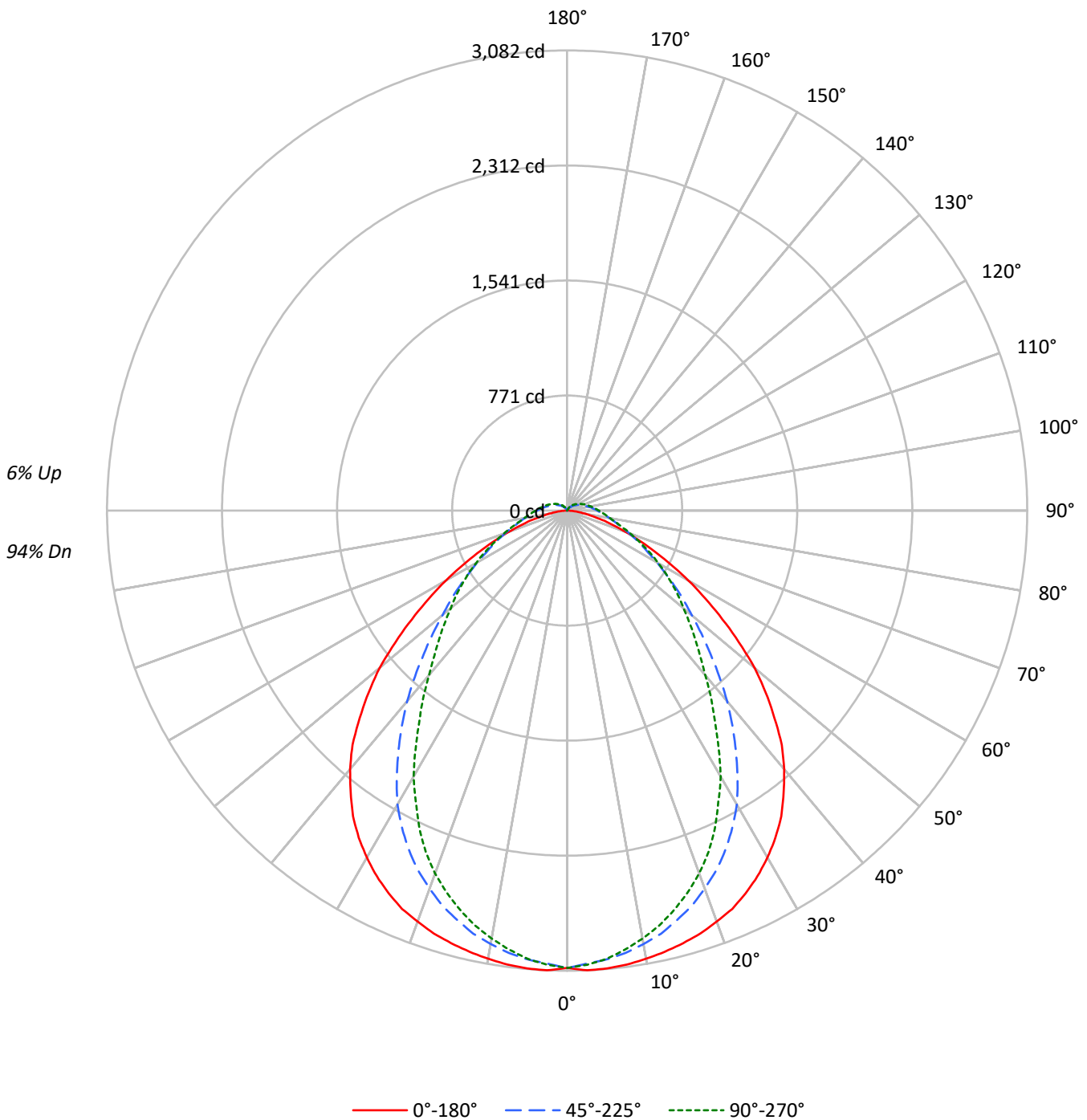
Input Watts (W): 54.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	49358	49358	49358
5°	49608	45867	44840
10°	49511	42685	40482
15°	49489	39562	36428
20°	49474	36432	32514
25°	49327	33189	28421
30°	48746	29674	24264
35°	47791	25582	19961
40°	45970	21654	16452
45°	42958	17799	13799
50°	39154	14525	11635
55°	33689	11989	9917
60°	28224	9815	8308
65°	22428	8151	6868
70°	17481	6851	5669
75°	13246	5817	4706
80°	9229	5142	4044
85°	5595	4681	3657



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.0	4.1
10°-20°	808.2	11.4
20°-30°	1170.4	16.5
30°-40°	1273.8	18.0
40°-50°	1131.3	16.0
50°-60°	861.1	12.2
60°-70°	571.7	8.1
70°-80°	348.4	4.9
80°-90°	215.9	3.1
90°-100°	147.4	2.1
100°-110°	103.5	1.5
110°-120°	70.5	1.0
120°-130°	44.7	0.6
130°-140°	25.4	0.4
140°-150°	11.9	0.2
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2266.6	32.0
0°-40°	3540.3	50.1
0°-60°	5532.7	78.2
0°-90°	6668.7	94.3
90°-120°	321.4	4.5
90°-150°	403.5	5.7
90°-180°	404.0	5.7
0°-180°	7073.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3063	3063	3063	3063	3063	
5°	3078	3059	3018	3033	3015	293
15°	3000	2948	2840	2806	2769	848
25°	2828	2702	2508	2407	2344	1302
35°	2500	2277	1971	1800	1725	1558
45°	1964	1670	1356	1241	1211	1512
55°	1271	1032	876	861	857	1140
65°	641	552	552	574	566	646
75°	246	280	350	369	358	266
85°	45	142	238	253	246	53
90°	0	104	201	220	212	3
95°	0	82	171	190	186	0
105°	0	52	123	142	142	0
115°	0	34	89	108	104	0
125°	0	22	60	74	74	0
135°	0	15	41	52	52	0
145°	0	8	22	30	30	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°	3063.1	3063.1	3063.1	3063.1	3063.1
2.5°	3081.8	3066.9	3037.1	3055.7	3044.5
5°	3078.1	3059.4	3018.4	3033.3	3014.7
7.5°	3066.9	3044.5	2988.6	2996.1	2966.3
10°	3048.2	3018.4	2947.6	2940.2	2910.4
12.5°	3025.9	2988.6	2902.9	2876.8	2847.0
15°	2999.8	2947.6	2839.6	2806.0	2768.8
17.5°	2970.0	2899.2	2776.2	2724.0	2683.0
20°	2929.0	2843.3	2694.2	2630.9	2586.2
22.5°	2888.0	2776.2	2608.5	2522.8	2474.4
25°	2828.4	2701.7	2507.9	2407.3	2343.9
27.5°	2761.3	2616.0	2396.1	2265.7	2194.9
30°	2683.0	2515.4	2273.1	2120.4	2057.0
32.5°	2597.3	2403.6	2124.1	1960.1	1889.3
35°	2500.5	2276.9	1971.3	1799.9	1725.3
37.5°	2381.2	2139.0	1818.5	1643.4	1583.7
40°	2262.0	1993.7	1665.7	1501.8	1438.4
42.5°	2127.8	1833.4	1509.2	1360.2	1315.4
45°	1963.8	1669.5	1356.4	1240.9	1211.1
47.5°	1803.6	1501.8	1218.6	1136.6	1110.5
50°	1639.6	1337.8	1088.1	1036.0	1017.3
52.5°	1449.6	1177.6	980.1	946.5	939.1
55°	1270.7	1032.2	875.7	860.8	857.1
57.5°	1099.3	894.3	778.8	790.0	782.6
60°	939.1	767.6	693.1	708.0	704.3
62.5°	782.6	652.1	614.9	644.7	637.2
65°	640.9	551.5	551.5	573.9	566.4
67.5°	518.0	469.5	491.9	514.3	506.8
70°	413.6	395.0	439.7	458.4	450.9
72.5°	320.5	331.7	387.6	409.9	398.7
75°	245.9	279.5	350.3	368.9	357.7
77.5°	175.1	234.8	316.7	331.7	320.5
80°	123.0	197.5	286.9	301.8	290.7
82.5°	78.3	167.7	260.9	275.8	268.3
85°	44.7	141.6	238.5	253.4	245.9
87.5°	22.4	123.0	216.1	234.8	227.3
90°	0.0	104.3	201.2	219.9	212.4
92.5°	0.0	93.2	186.3	205.0	197.5
95°	0.0	82.0	171.4	190.0	186.3
97.5°	0.0	74.5	160.2	178.9	171.4
100°	0.0	63.3	145.3	164.0	160.2
102.5°	0.0	59.6	134.2	152.8	149.1
105°	0.0	52.2	123.0	141.6	141.6
107.5°	0.0	48.4	115.5	134.2	130.4
110°	0.0	41.0	104.3	123.0	123.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	37.3	96.9	115.5	111.8
115°	0.0	33.5	89.4	108.1	104.3
117.5°	0.0	33.5	82.0	96.9	96.9
120°	0.0	29.8	74.5	89.4	89.4
122.5°	0.0	26.1	67.1	82.0	82.0
125°	0.0	22.4	59.6	74.5	74.5
127.5°	0.0	22.4	55.9	70.8	70.8
130°	0.0	18.6	48.4	63.3	63.3
132.5°	0.0	14.9	44.7	55.9	55.9
135°	0.0	14.9	41.0	52.2	52.2
137.5°	0.0	11.2	33.5	44.7	44.7
140°	0.0	11.2	29.8	41.0	41.0
142.5°	0.0	7.5	26.1	37.3	33.5
145°	0.0	7.5	22.4	29.8	29.8
147.5°	0.0	3.7	18.6	26.1	26.1
150°	0.0	3.7	14.9	22.4	18.6
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)