

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: P218233

Luminaire Tested: **4SNLED-LD5-61SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218233  
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-LD5-61SL-LN-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6278.0 lumens  
Efficiency: N/A  
Efficacy: 121.9 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

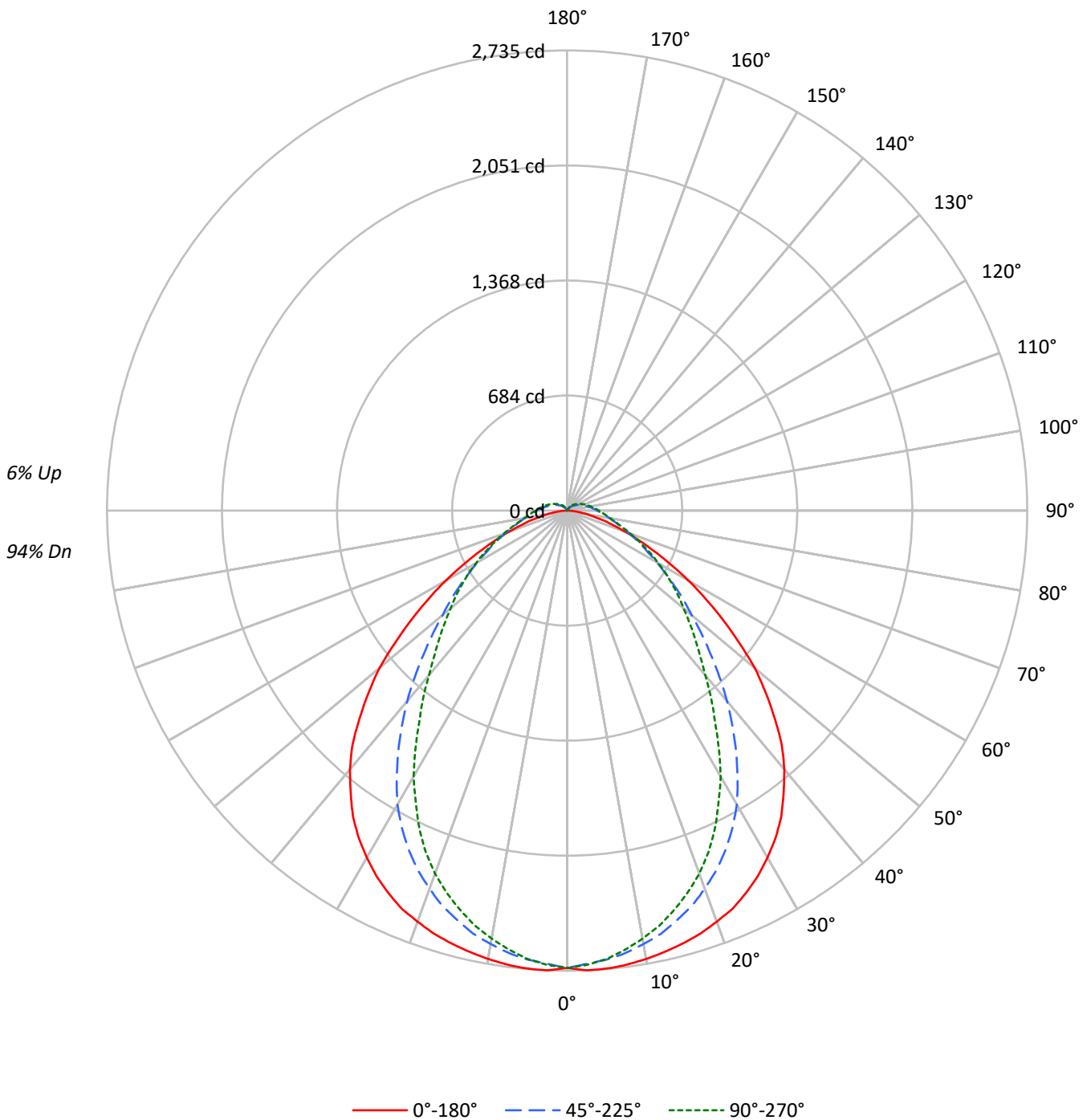
Input Watts (W): 51.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	43810	43810	43810
5°	44031	40713	39801
10°	43946	37887	35931
15°	43926	35115	32333
20°	43914	32337	28859
25°	43783	29458	25227
30°	43268	26339	21537
35°	42418	22707	17718
40°	40802	19220	14602
45°	38130	15799	12249
50°	34753	12893	10328
55°	29903	10642	8801
60°	25050	8711	7374
65°	19909	7235	6097
70°	15515	6081	5031
75°	11759	5163	4177
80°	8193	4565	3589
85°	4969	4155	3247



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.6	4.1
10°-20°	717.4	11.4
20°-30°	1038.8	16.5
30°-40°	1130.6	18.0
40°-50°	1004.1	16.0
50°-60°	764.3	12.2
60°-70°	507.5	8.1
70°-80°	309.2	4.9
80°-90°	191.6	3.1
90°-100°	130.9	2.1
100°-110°	91.9	1.5
110°-120°	62.6	1.0
120°-130°	39.7	0.6
130°-140°	22.6	0.4
140°-150°	10.6	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2011.8	32.0
0°-40°	3142.4	50.1
0°-60°	4910.8	78.2
0°-90°	5919.1	94.3
90°-120°	285.3	4.5
90°-150°	358.1	5.7
90°-180°	359.0	5.7
0°-180°	6278.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2719	2719	2719	2719	2719	
5°	2732	2716	2679	2692	2676	260
15°	2663	2616	2520	2491	2458	752
25°	2510	2398	2226	2137	2080	1156
35°	2219	2021	1750	1598	1531	1383
45°	1743	1482	1204	1101	1075	1342
55°	1128	916	777	764	761	1012
65°	569	490	490	509	503	574
75°	218	248	311	328	318	236
85°	40	126	212	225	218	47
90°	0	93	179	195	188	3
95°	0	73	152	169	165	0
105°	0	46	109	126	126	0
115°	0	30	79	96	93	0
125°	0	20	53	66	66	0
135°	0	13	36	46	46	0
145°	0	7	20	26	26	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°	2718.8	2718.8	2718.8	2718.8	2718.8
2.5°	2735.4	2722.2	2695.7	2712.2	2702.3
5°	2732.1	2715.5	2679.2	2692.4	2675.9
7.5°	2722.2	2702.3	2652.7	2659.3	2632.9
10°	2705.6	2679.2	2616.3	2609.7	2583.2
12.5°	2685.8	2652.7	2576.6	2553.5	2527.0
15°	2662.6	2616.3	2520.4	2490.6	2457.5
17.5°	2636.2	2573.3	2464.2	2417.9	2381.5
20°	2599.8	2523.7	2391.4	2335.2	2295.5
22.5°	2563.4	2464.2	2315.3	2239.2	2196.2
25°	2510.5	2398.0	2226.0	2136.7	2080.5
27.5°	2450.9	2321.9	2126.8	2011.0	1948.2
30°	2381.5	2232.6	2017.6	1882.0	1825.8
32.5°	2305.4	2133.4	1885.3	1739.8	1677.0
35°	2219.4	2020.9	1749.7	1597.6	1531.4
37.5°	2113.6	1898.6	1614.1	1458.7	1405.7
40°	2007.7	1769.6	1478.5	1333.0	1276.7
42.5°	1888.6	1627.3	1339.6	1207.3	1167.6
45°	1743.1	1481.8	1204.0	1101.4	1075.0
47.5°	1600.9	1333.0	1081.6	1008.8	985.7
50°	1455.3	1187.4	965.8	919.5	903.0
52.5°	1286.7	1045.2	869.9	840.1	833.5
55°	1127.9	916.2	777.3	764.1	760.7
57.5°	975.7	793.8	691.3	701.2	694.6
60°	833.5	681.4	615.2	628.4	625.1
62.5°	694.6	578.8	545.8	572.2	565.6
65°	568.9	489.5	489.5	509.4	502.8
67.5°	459.8	416.8	436.6	456.4	449.8
70°	367.1	350.6	390.3	406.8	400.2
72.5°	284.5	294.4	344.0	363.8	353.9
75°	218.3	248.1	310.9	327.5	317.5
77.5°	155.5	208.4	281.1	294.4	284.5
80°	109.2	175.3	254.7	267.9	258.0
82.5°	69.5	148.8	231.5	244.8	238.1
85°	39.7	125.7	211.7	224.9	218.3
87.5°	19.8	109.2	191.8	208.4	201.8
90°	0.0	92.6	178.6	195.1	188.5
92.5°	0.0	82.7	165.4	181.9	175.3
95°	0.0	72.8	152.1	168.7	165.4
97.5°	0.0	66.2	142.2	158.8	152.1
100°	0.0	56.2	129.0	145.5	142.2
102.5°	0.0	52.9	119.1	135.6	132.3
105°	0.0	46.3	109.2	125.7	125.7
107.5°	0.0	43.0	102.5	119.1	115.8
110°	0.0	36.4	92.6	109.2	109.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.1	86.0	102.5	99.2
115°	0.0	29.8	79.4	95.9	92.6
117.5°	0.0	29.8	72.8	86.0	86.0
120°	0.0	26.5	66.2	79.4	79.4
122.5°	0.0	23.2	59.5	72.8	72.8
125°	0.0	19.8	52.9	66.2	66.2
127.5°	0.0	19.8	49.6	62.8	62.8
130°	0.0	16.5	43.0	56.2	56.2
132.5°	0.0	13.2	39.7	49.6	49.6
135°	0.0	13.2	36.4	46.3	46.3
137.5°	0.0	9.9	29.8	39.7	39.7
140°	0.0	9.9	26.5	36.4	36.4
142.5°	0.0	6.6	23.2	33.1	29.8
145°	0.0	6.6	19.8	26.5	26.5
147.5°	0.0	3.3	16.5	23.2	23.2
150°	0.0	3.3	13.2	19.8	16.5
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)