

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: P218115

Luminaire Tested: **4SNLED-LD5-66SL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218115  
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-LD5-66SL-LC-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6216.0 lumens  
Efficiency: N/A  
Efficacy: 113.2 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

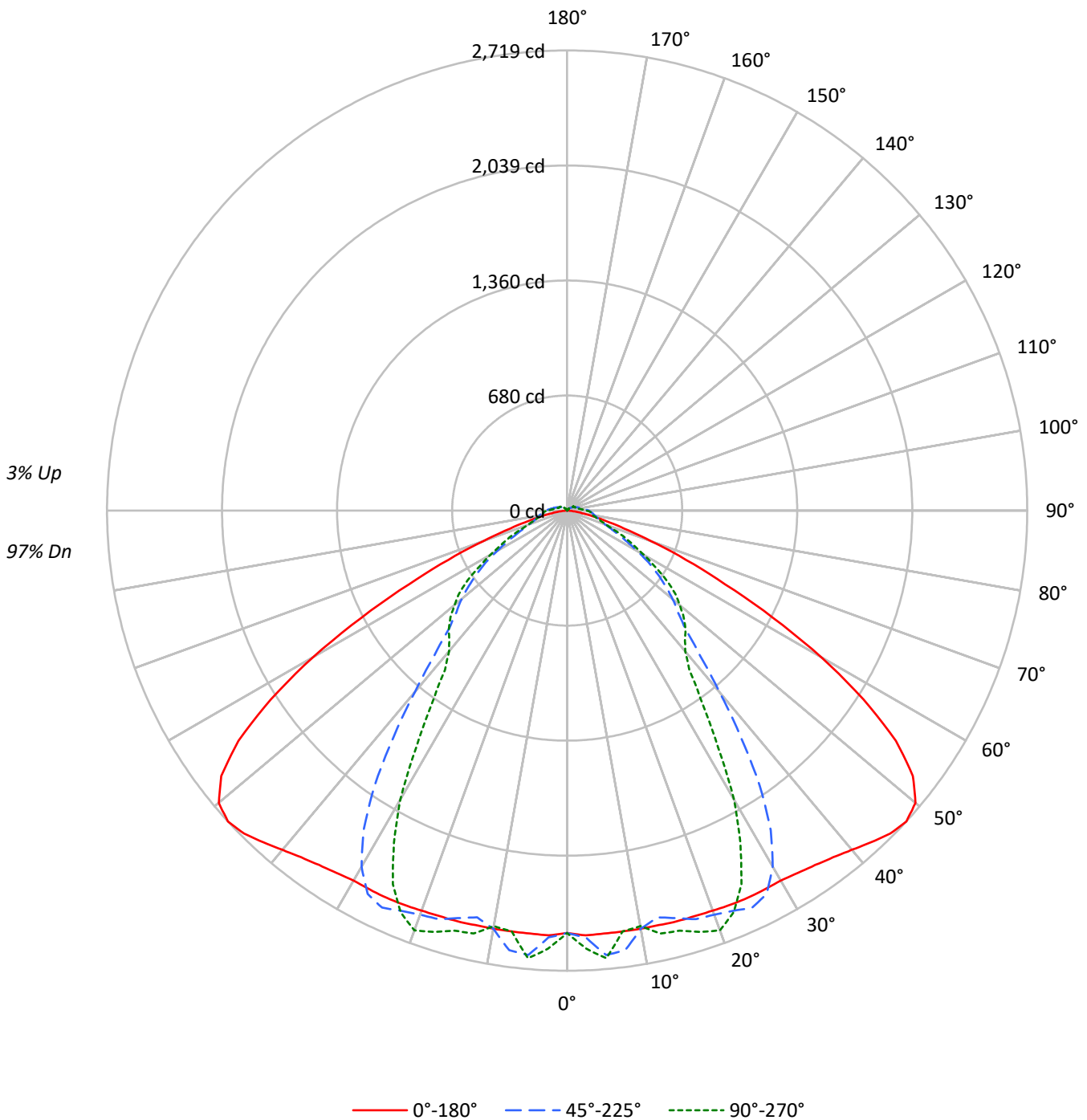
Input Watts (W): 54.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	40221	40221	40221
5°	40433	40056	39492
10°	40750	36331	34675
15°	41442	34731	33802
20°	42483	34355	33180
25°	44031	34253	29534
30°	45870	31713	23255
35°	48861	25749	16113
40°	53183	18188	12402
45°	59053	12934	11268
50°	64164	10866	9929
55°	62890	8924	8277
60°	52177	6754	6189
65°	36052	4888	4549
70°	22443	3716	3118
75°	12675	3168	2468
80°	7158	2963	2123
85°	3179	2871	2128



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.3	3.9
10°-20°	722.6	11.6
20°-30°	1148.2	18.5
30°-40°	1238.1	19.9
40°-50°	1067.1	17.2
50°-60°	807.9	13.0
60°-70°	436.4	7.0
70°-80°	207.3	3.3
80°-90°	130.1	2.1
90°-100°	82.8	1.3
100°-110°	53.0	0.9
110°-120°	35.5	0.6
120°-130°	23.4	0.4
130°-140°	11.5	0.2
140°-150°	4.9	0.1
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2116.2	34.0
0°-40°	3354.3	54.0
0°-60°	5229.2	84.1
0°-90°	6003.1	96.6
90°-120°	171.3	2.8
90°-150°	211.1	3.4
90°-180°	213.0	3.4
0°-180°	6216.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2496	2496	2496	2496	2496	
5°	2509	2563	2636	2671	2655	239
15°	2512	2579	2493	2579	2569	712
25°	2525	2477	2588	2518	2436	1168
35°	2556	2461	1984	1517	1393	1610
45°	2700	1692	986	976	989	2078
55°	2372	731	652	712	715	2063
65°	1030	312	331	372	375	1058
75°	235	162	191	191	188	277
85°	25	99	146	146	143	37
90°	0	76	127	124	114	1
95°	0	60	102	92	86	0
105°	0	38	70	64	57	0
115°	0	22	48	48	48	0
125°	0	13	32	41	38	0
135°	0	6	19	22	22	0
145°	0	3	10	13	10	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°	2496.1	2496.1	2496.1	2496.1	2496.1
2.5°	2512.0	2515.1	2524.7	2572.4	2591.5
5°	2508.8	2562.8	2636.0	2671.0	2655.1
7.5°	2508.8	2620.1	2620.1	2553.3	2508.8
10°	2508.8	2651.9	2508.8	2496.1	2492.9
12.5°	2508.8	2632.8	2461.1	2550.1	2559.7
15°	2512.0	2578.7	2492.9	2578.7	2569.2
17.5°	2512.0	2515.1	2531.0	2597.8	2610.5
20°	2515.1	2473.8	2540.6	2648.7	2639.2
22.5°	2521.5	2467.5	2559.7	2626.4	2569.2
25°	2524.7	2477.0	2588.3	2518.3	2435.7
27.5°	2524.7	2489.7	2553.3	2353.0	2216.3
30°	2524.7	2496.1	2429.3	2124.0	1971.4
32.5°	2537.4	2489.7	2238.5	1825.2	1659.8
35°	2556.5	2461.1	1984.1	1516.7	1392.7
37.5°	2581.9	2384.8	1685.2	1268.7	1186.0
40°	2616.9	2219.4	1399.1	1109.7	1084.3
42.5°	2658.2	1977.8	1163.8	1030.2	1030.2
45°	2699.6	1691.6	985.7	976.2	988.9
47.5°	2718.6	1411.8	887.1	922.1	934.8
50°	2686.9	1151.1	814.0	861.7	868.1
52.5°	2575.6	918.9	731.3	788.6	804.5
55°	2372.1	731.3	651.8	712.3	715.4
57.5°	2076.3	581.9	569.2	616.9	613.7
60°	1736.1	470.6	477.0	524.7	524.7
62.5°	1370.5	381.6	400.6	442.0	438.8
65°	1030.2	311.6	330.7	372.0	375.2
67.5°	759.9	257.6	279.8	308.4	302.1
70°	531.0	216.2	238.5	254.4	248.0
72.5°	352.9	184.4	209.9	216.2	213.0
75°	235.3	162.2	190.8	190.8	187.6
77.5°	152.6	143.1	178.1	174.9	168.5
80°	95.4	127.2	165.3	159.0	152.6
82.5°	57.2	111.3	155.8	149.4	143.1
85°	25.4	98.6	146.3	146.3	143.1
87.5°	9.5	89.0	136.7	139.9	133.5
90°	0.0	76.3	127.2	124.0	114.5
92.5°	0.0	70.0	114.5	104.9	98.6
95°	0.0	60.4	101.8	92.2	85.9
97.5°	0.0	54.1	92.2	82.7	76.3
100°	0.0	47.7	82.7	73.1	66.8
102.5°	0.0	41.3	76.3	66.8	63.6
105°	0.0	38.2	70.0	63.6	57.2
107.5°	0.0	35.0	63.6	57.2	54.1
110°	0.0	28.6	57.2	54.1	50.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.4	50.9	50.9	50.9
115°	0.0	22.3	47.7	47.7	47.7
117.5°	0.0	19.1	41.3	47.7	47.7
120°	0.0	19.1	38.2	44.5	44.5
122.5°	0.0	15.9	35.0	44.5	44.5
125°	0.0	12.7	31.8	41.3	38.2
127.5°	0.0	9.5	28.6	35.0	35.0
130°	0.0	9.5	25.4	31.8	28.6
132.5°	0.0	6.4	22.3	25.4	25.4
135°	0.0	6.4	19.1	22.3	22.3
137.5°	0.0	6.4	15.9	19.1	15.9
140°	0.0	3.2	12.7	15.9	12.7
142.5°	0.0	3.2	12.7	15.9	12.7
145°	0.0	3.2	9.5	12.7	9.5
147.5°	0.0	3.2	6.4	9.5	9.5
150°	0.0	3.2	6.4	9.5	6.4
152.5°	0.0	3.2	6.4	6.4	3.2
155°	0.0	3.2	3.2	6.4	3.2
157.5°	0.0	3.2	3.2	3.2	3.2
160°	3.2	3.2	3.2	3.2	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)