

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: P218113

Luminaire Tested: **4SNLED-LD5-63SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218113  
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-LD5-63SL-LC-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6467.0 lumens  
Efficiency: N/A  
Efficacy: 125.6 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

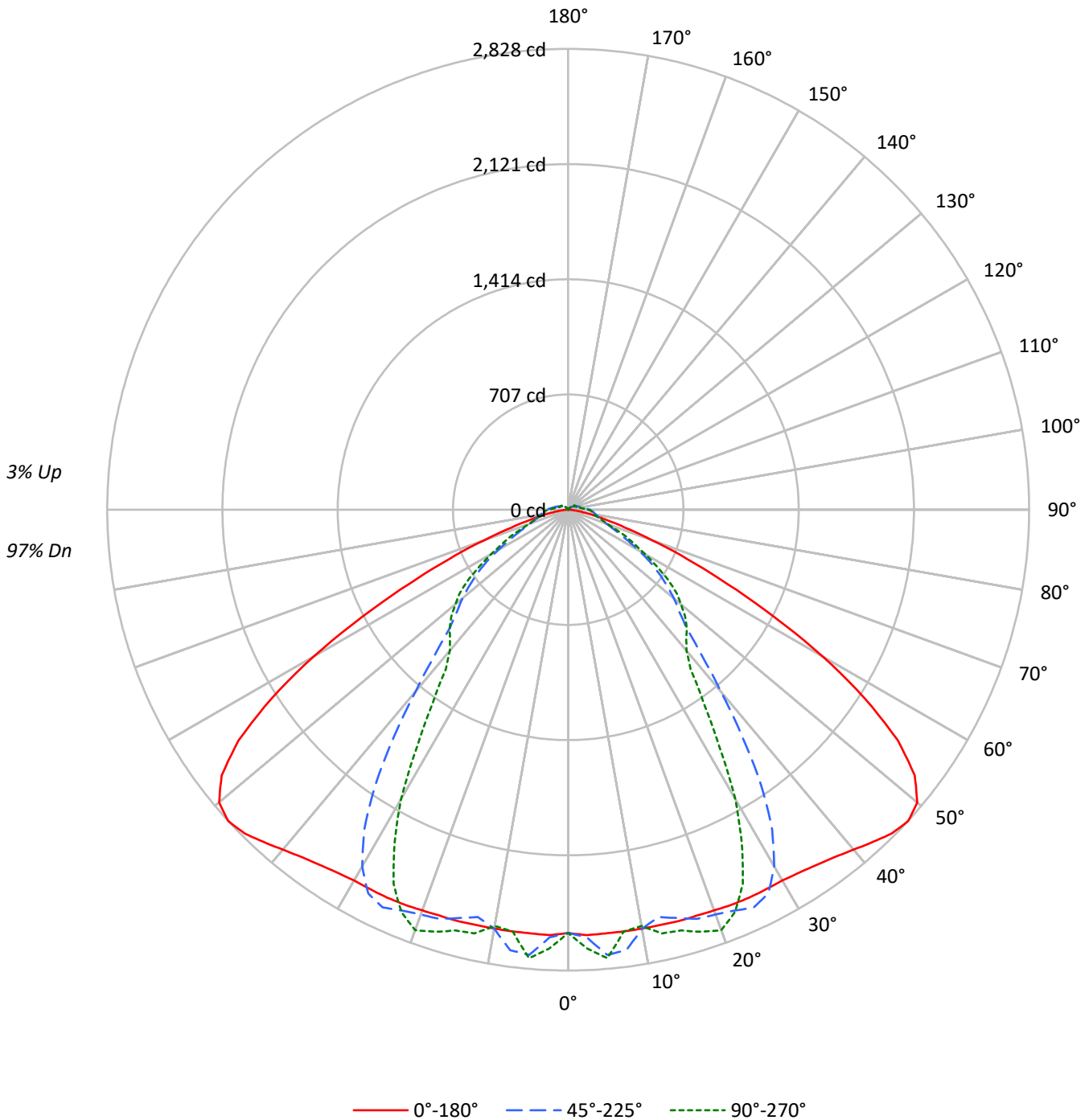
Input Watts (W): 51.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	57	65	60	57	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°	41846	41846	41846
5°	42065	41673	41086
10°	42395	37798	36076
15°	43115	36134	35167
20°	44199	35742	34519
25°	45808	35636	30726
30°	47721	32994	24194
35°	50833	26789	16764
40°	55331	18922	12903
45°	61438	13457	11722
50°	66752	11306	10329
55°	65427	9285	8611
60°	54284	7026	6438
65°	37508	5084	4734
70°	23351	3866	3244
75°	13186	3296	2568
80°	7443	3083	2209
85°	3317	2987	2215



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.2	3.9
10°-20°	751.8	11.6
20°-30°	1194.6	18.5
30°-40°	1288.1	19.9
40°-50°	1110.2	17.2
50°-60°	840.5	13.0
60°-70°	454.0	7.0
70°-80°	215.7	3.3
80°-90°	135.4	2.1
90°-100°	86.2	1.3
100°-110°	55.1	0.9
110°-120°	36.9	0.6
120°-130°	24.4	0.4
130°-140°	11.9	0.2
140°-150°	5.1	0.1
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2201.7	34.0
0°-40°	3489.7	54.0
0°-60°	5440.4	84.1
0°-90°	6245.5	96.6
90°-120°	178.2	2.8
90°-150°	219.5	3.4
90°-180°	221.0	3.4
0°-180°	6467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2597	2597	2597	2597	2597	
5°	2610	2666	2742	2779	2762	249
15°	2613	2683	2594	2683	2673	741
25°	2627	2577	2693	2620	2534	1215
35°	2660	2560	2064	1578	1449	1675
45°	2809	1760	1026	1016	1029	2162
55°	2468	761	678	741	744	2146
65°	1072	324	344	387	390	1101
75°	245	169	198	198	195	288
85°	26	103	152	152	149	38
90°	0	79	132	129	119	1
95°	0	63	106	96	89	0
105°	0	40	73	66	60	0
115°	0	23	50	50	50	0
125°	0	13	33	43	40	0
135°	0	7	20	23	23	0
145°	0	3	10	13	10	0
155°	0	3	3	7	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°	2596.9	2596.9	2596.9	2596.9	2596.9
2.5°	2613.4	2616.7	2626.6	2676.3	2696.1
5°	2610.1	2666.3	2742.4	2778.8	2762.3
7.5°	2610.1	2725.9	2725.9	2656.4	2610.1
10°	2610.1	2759.0	2610.1	2596.9	2593.6
12.5°	2610.1	2739.1	2560.5	2653.1	2663.0
15°	2613.4	2682.9	2593.6	2682.9	2672.9
17.5°	2613.4	2616.7	2633.2	2702.7	2716.0
20°	2616.7	2573.7	2643.2	2755.6	2745.7
22.5°	2623.3	2567.1	2663.0	2732.5	2672.9
25°	2626.6	2577.0	2692.8	2620.0	2534.0
27.5°	2626.6	2590.2	2656.4	2448.0	2305.7
30°	2626.6	2596.9	2527.4	2209.8	2051.0
32.5°	2639.9	2590.2	2328.9	1898.9	1726.8
35°	2659.7	2560.5	2064.3	1578.0	1448.9
37.5°	2686.2	2481.1	1753.3	1319.9	1233.9
40°	2722.6	2309.1	1455.6	1154.5	1128.1
42.5°	2765.6	2057.6	1210.8	1071.8	1071.8
45°	2808.6	1759.9	1025.5	1015.6	1028.8
47.5°	2828.4	1468.8	923.0	959.3	972.6
50°	2795.3	1197.5	846.9	896.5	903.1
52.5°	2679.6	956.0	760.9	820.4	836.9
55°	2467.8	760.9	678.2	741.0	744.3
57.5°	2160.2	605.4	592.2	641.8	638.5
60°	1806.2	489.6	496.2	545.8	545.8
62.5°	1425.8	397.0	416.8	459.8	456.5
65°	1071.8	324.2	344.0	387.0	390.4
67.5°	790.6	268.0	291.1	320.9	314.3
70°	552.5	225.0	248.1	264.6	258.0
72.5°	367.2	191.9	218.3	225.0	221.6
75°	244.8	168.7	198.5	198.5	195.2
77.5°	158.8	148.9	185.3	181.9	175.3
80°	99.2	132.3	172.0	165.4	158.8
82.5°	59.5	115.8	162.1	155.5	148.9
85°	26.5	102.6	152.2	152.2	148.9
87.5°	9.9	92.6	142.2	145.6	138.9
90°	0.0	79.4	132.3	129.0	119.1
92.5°	0.0	72.8	119.1	109.2	102.6
95°	0.0	62.9	105.9	95.9	89.3
97.5°	0.0	56.2	95.9	86.0	79.4
100°	0.0	49.6	86.0	76.1	69.5
102.5°	0.0	43.0	79.4	69.5	66.2
105°	0.0	39.7	72.8	66.2	59.5
107.5°	0.0	36.4	66.2	59.5	56.2
110°	0.0	29.8	59.5	56.2	52.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.5	52.9	52.9	52.9
115°	0.0	23.2	49.6	49.6	49.6
117.5°	0.0	19.8	43.0	49.6	49.6
120°	0.0	19.8	39.7	46.3	46.3
122.5°	0.0	16.5	36.4	46.3	46.3
125°	0.0	13.2	33.1	43.0	39.7
127.5°	0.0	9.9	29.8	36.4	36.4
130°	0.0	9.9	26.5	33.1	29.8
132.5°	0.0	6.6	23.2	26.5	26.5
135°	0.0	6.6	19.8	23.2	23.2
137.5°	0.0	6.6	16.5	19.8	16.5
140°	0.0	3.3	13.2	16.5	13.2
142.5°	0.0	3.3	13.2	16.5	13.2
145°	0.0	3.3	9.9	13.2	9.9
147.5°	0.0	3.3	6.6	9.9	9.9
150°	0.0	3.3	6.6	9.9	6.6
152.5°	0.0	3.3	6.6	6.6	3.3
155°	0.0	3.3	3.3	6.6	3.3
157.5°	0.0	3.3	3.3	3.3	3.3
160°	3.3	3.3	3.3	3.3	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)