

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: P217997

Luminaire Tested: **4SNLED-LD5-68SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217997  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-68SL-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6890.0 lumens  
Efficiency: N/A  
Efficacy: 125.5 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

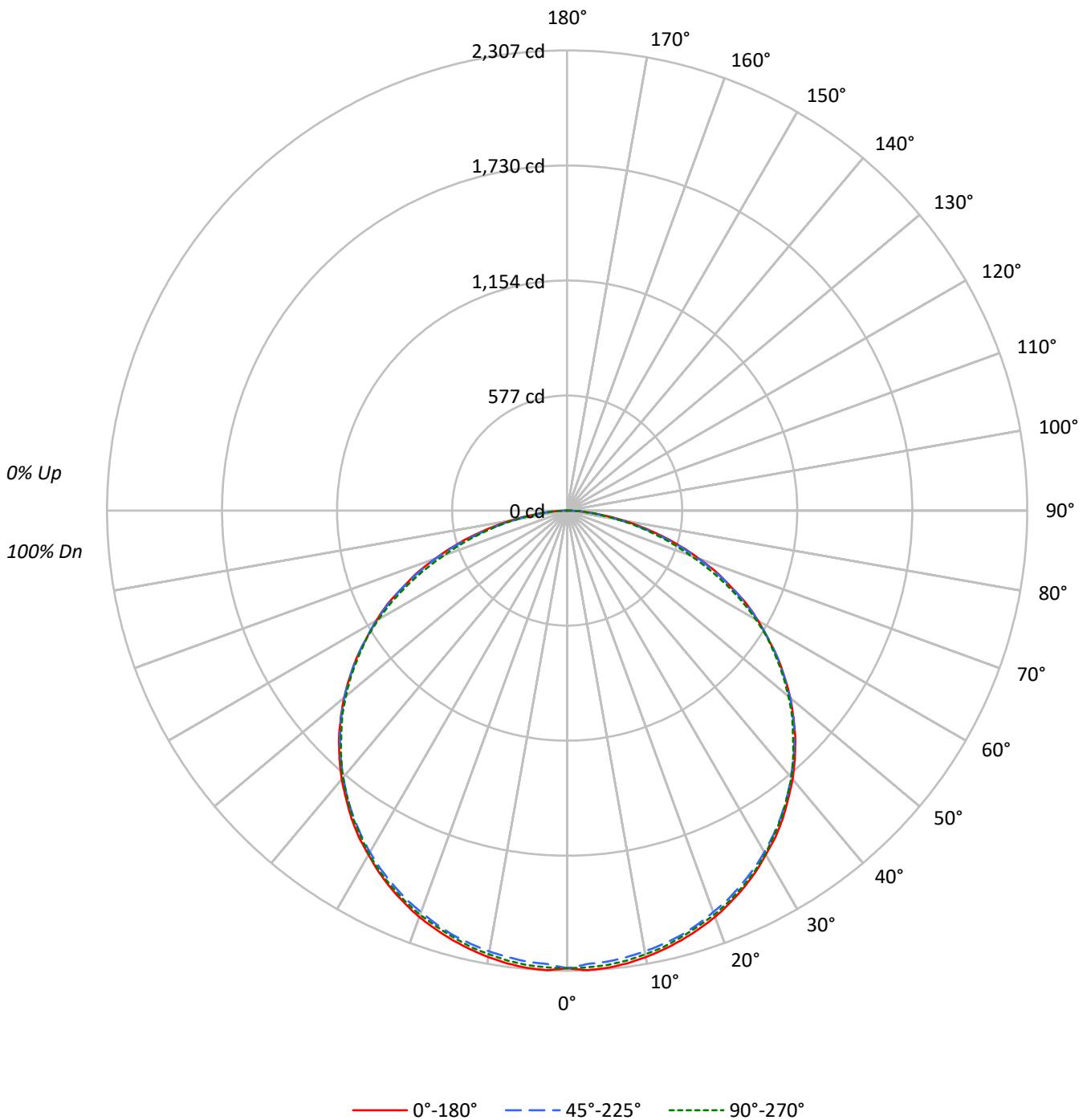
Input Watts (W): 54.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	36976	36976	36976
5°	37097	34507	34024
10°	36923	32505	31420
15°	36755	30708	29124
20°	36627	28967	27111
25°	36444	27371	25223
30°	36192	25818	23442
35°	36023	24274	21697
40°	35738	22705	20004
45°	35391	21137	18245
50°	34882	19467	16571
55°	34177	17649	14777
60°	33228	15656	12901
65°	31772	13453	10690
70°	29708	10878	8269
75°	26566	7835	5926
80°	21278	4654	3679
85°	13117	2012	1489



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.5	3.2
10°-20°	626.0	9.1
20°-30°	959.2	13.9
30°-40°	1174.0	17.0
40°-50°	1242.4	18.0
50°-60°	1149.0	16.7
60°-70°	892.2	12.9
70°-80°	502.6	7.3
80°-90°	127.1	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1802.7	26.2
0°-40°	2976.7	43.2
0°-60°	5368.1	77.9
0°-90°	6890.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6890.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2295	2295	2295	2295	2295	
5°	2302	2292	2271	2292	2288	219
15°	2228	2221	2204	2223	2214	629
25°	2090	2083	2068	2085	2080	963
35°	1885	1878	1870	1875	1875	1179
45°	1618	1616	1611	1608	1601	1247
55°	1289	1294	1289	1284	1277	1150
65°	908	915	910	898	882	901
75°	493	493	472	460	450	520
85°	105	105	102	102	100	131
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2294.7	2294.7	2294.7	2294.7	2294.7
2.5°	2306.6	2297.0	2275.6	2297.0	2292.3
5°	2301.8	2292.3	2270.8	2292.3	2287.5
7.5°	2289.9	2282.7	2258.9	2280.4	2275.6
10°	2273.2	2266.1	2244.6	2266.1	2258.9
12.5°	2251.8	2244.6	2225.6	2244.6	2239.9
15°	2227.9	2220.8	2204.1	2223.2	2213.6
17.5°	2199.3	2194.6	2175.5	2194.6	2185.0
20°	2168.4	2158.8	2142.2	2161.2	2156.5
22.5°	2130.2	2125.5	2108.8	2125.5	2120.7
25°	2089.7	2082.6	2068.3	2085.0	2080.2
27.5°	2044.5	2039.7	2025.4	2037.3	2037.3
30°	1992.0	1989.7	1977.7	1989.7	1987.3
32.5°	1942.0	1937.2	1925.3	1934.9	1930.1
35°	1884.8	1877.7	1870.5	1875.3	1875.3
37.5°	1820.5	1818.1	1810.9	1818.1	1810.9
40°	1758.5	1753.8	1746.6	1749.0	1749.0
42.5°	1689.4	1687.0	1679.9	1679.9	1677.5
45°	1617.9	1615.6	1610.8	1608.4	1601.3
47.5°	1539.3	1536.9	1536.9	1534.5	1529.8
50°	1460.7	1460.7	1458.3	1451.1	1448.8
52.5°	1374.9	1379.7	1372.5	1367.7	1365.4
55°	1289.1	1293.9	1289.1	1284.3	1277.2
57.5°	1193.8	1203.3	1196.2	1193.8	1191.4
60°	1105.6	1110.4	1105.6	1098.5	1093.7
62.5°	1015.1	1015.1	1007.9	1003.2	988.9
65°	907.9	915.0	910.2	898.3	881.6
67.5°	812.5	807.8	803.0	788.7	769.7
70°	702.9	705.3	698.2	676.7	657.7
72.5°	598.1	602.9	588.6	560.0	555.2
75°	493.2	493.2	471.8	459.9	450.4
77.5°	386.0	388.4	359.8	357.4	355.0
80°	283.6	288.3	259.7	266.9	264.5
82.5°	193.0	188.2	176.3	176.3	173.9
85°	104.8	104.8	102.5	102.5	100.1
87.5°	40.5	42.9	47.7	52.4	50.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)