

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: P217998

Luminaire Tested: **4SNLED-LD5-68SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217998  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7453.0 lumens  
Efficiency: N/A  
Efficacy: 135.8 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

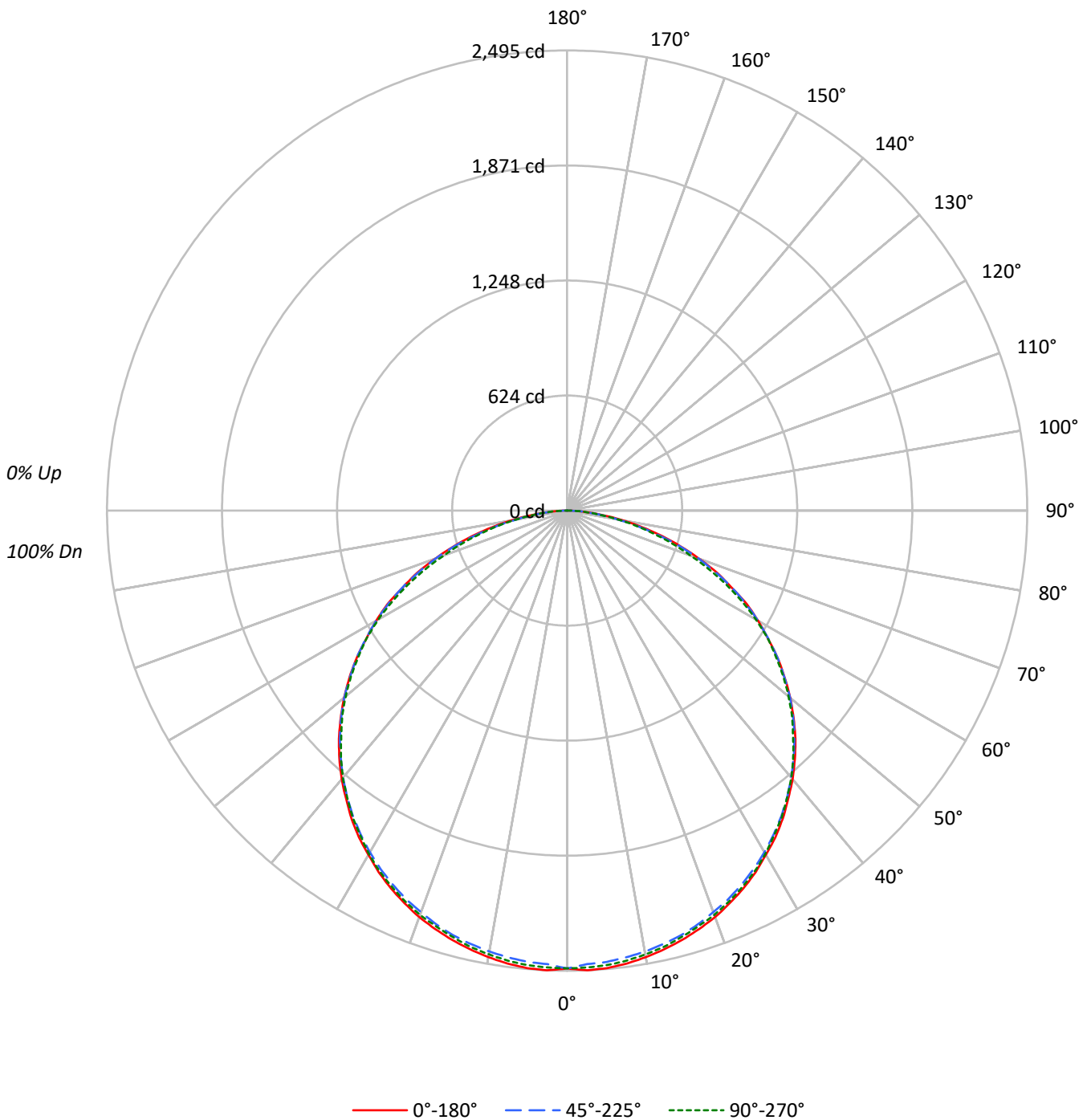
Input Watts (W): 54.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	39997	39997	39997
5°	40128	37327	36804
10°	39941	35161	33988
15°	39759	33217	31504
20°	39620	31334	29327
25°	39423	29608	27284
30°	39149	27927	25358
35°	38966	26259	23469
40°	38658	24560	21639
45°	38283	22864	19736
50°	37731	21057	17924
55°	36969	19090	15985
60°	35945	16936	13956
65°	34365	14552	11564
70°	32138	11766	8944
75°	28737	8476	6410
80°	23012	5036	3980
85°	14193	2175	1611



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.2	3.2
10°-20°	677.2	9.1
20°-30°	1037.5	13.9
30°-40°	1269.9	17.0
40°-50°	1343.9	18.0
50°-60°	1242.9	16.7
60°-70°	965.1	12.9
70°-80°	543.6	7.3
80°-90°	137.5	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°	1950.0	26.2
0°-40°	3219.9	43.2
0°-60°	5806.7	77.9
0°-90°	7453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7453.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2482	2482	2482	2482	2482	
5°	2490	2480	2456	2480	2474	237
15°	2410	2402	2384	2405	2394	681
25°	2260	2253	2237	2255	2250	1042
35°	2039	2031	2023	2028	2028	1275
45°	1750	1748	1742	1740	1732	1349
55°	1394	1400	1394	1389	1382	1244
65°	982	990	985	972	954	974
75°	534	534	510	498	487	562
85°	113	113	111	111	108	141
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2482.2	2482.2	2482.2	2482.2	2482.2
2.5°	2495.0	2484.7	2461.5	2484.7	2479.6
5°	2489.9	2479.6	2456.4	2479.6	2474.4
7.5°	2477.0	2469.3	2443.5	2466.7	2461.5
10°	2459.0	2451.2	2428.0	2451.2	2443.5
12.5°	2435.8	2428.0	2407.4	2428.0	2422.9
15°	2410.0	2402.3	2384.2	2404.8	2394.5
17.5°	2379.1	2373.9	2353.3	2373.9	2363.6
20°	2345.6	2335.2	2317.2	2337.8	2332.7
22.5°	2304.3	2299.2	2281.1	2299.2	2294.0
25°	2260.5	2252.8	2237.3	2255.3	2250.2
27.5°	2211.5	2206.4	2190.9	2203.8	2203.8
30°	2154.8	2152.2	2139.3	2152.2	2149.7
32.5°	2100.7	2095.5	2082.6	2093.0	2087.8
35°	2038.8	2031.1	2023.4	2028.5	2028.5
37.5°	1969.2	1966.7	1958.9	1966.7	1958.9
40°	1902.2	1897.1	1889.3	1891.9	1891.9
42.5°	1827.5	1824.9	1817.2	1817.2	1814.6
45°	1750.1	1747.6	1742.4	1739.8	1732.1
47.5°	1665.1	1662.5	1662.5	1659.9	1654.8
50°	1580.0	1580.0	1577.4	1569.7	1567.1
52.5°	1487.2	1492.4	1484.7	1479.5	1476.9
55°	1394.4	1399.6	1394.4	1389.3	1381.6
57.5°	1291.3	1301.7	1293.9	1291.3	1288.8
60°	1196.0	1201.1	1196.0	1188.2	1183.1
62.5°	1098.0	1098.0	1090.3	1085.1	1069.7
65°	982.0	989.8	984.6	971.7	953.7
67.5°	878.9	873.8	868.6	853.2	832.5
70°	760.4	762.9	755.2	732.0	711.4
72.5°	647.0	652.1	636.6	605.7	600.6
75°	533.5	533.5	510.4	497.5	487.2
77.5°	417.6	420.1	389.2	386.6	384.1
80°	306.7	311.9	281.0	288.7	286.1
82.5°	208.8	203.6	190.7	190.7	188.2
85°	113.4	113.4	110.8	110.8	108.3
87.5°	43.8	46.4	51.6	56.7	54.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)