

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: P218461

Luminaire Tested: **4SNLED-LD5-54SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218461  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-54SL-RM-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5599.0 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

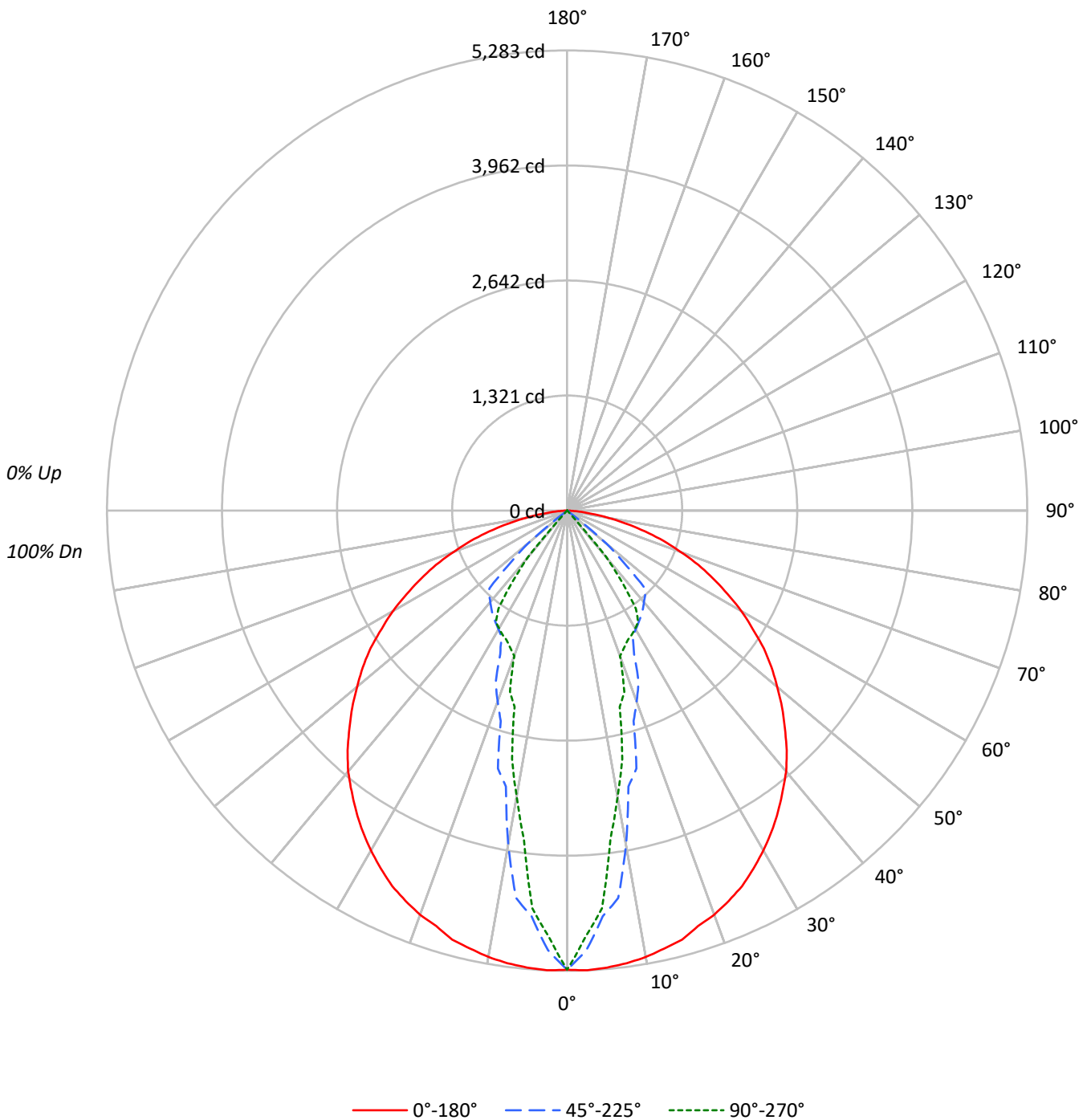
Input Watts (W): 42.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89				89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79				79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70				70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62				62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46				46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43				43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36				36

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

	0°	45°	90°
0°	84946	84946	84946
5°	84873	71062	68188
10°	84528	56355	46376
15°	84113	42719	30692
20°	83378	31508	22319
25°	82923	24067	19918
30°	81865	20561	18419
35°	80687	19175	15906
40°	79473	17837	7986
45°	77312	16584	31
50°	75158	7876	0
55°	73039	259	0
60°	69458	191	0
65°	64779	80	0
70°	58562	42	0
75°	49852	45	36
80°	35737	48	38
85°	17272	53	40



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	435.1	7.8
10°-20°	937.9	16.8
20°-30°	1118.9	20.0
30°-40°	1190.5	21.3
40°-50°	869.8	15.5
50°-60°	555.6	9.9
60°-70°	334.5	6.0
70°-80°	130.4	2.3
80°-90°	26.4	0.5
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°	2491.8	44.5
0°-40°	3682.3	65.8
0°-60°	5107.7	91.2
0°-90°	5599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5599.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5272	5272	5272	5272	5272	
5°	5266	5009	4676	4592	4584	501
15°	5098	4349	3066	2390	2333	1436
25°	4755	3031	1819	1656	1643	2188
35°	4222	2003	1478	1478	1375	2641
45°	3534	1296	1264	5	3	2730
55°	2755	1023	19	3	0	2453
65°	1851	417	5	3	0	1832
75°	926	22	3	3	3	978
85°	138	3	3	3	3	192
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5271.7	5271.7	5271.7	5271.7	5271.7
2.5°	5282.6	5247.4	5052.5	4971.3	4892.9
5°	5266.3	5009.2	4676.4	4592.5	4584.4
7.5°	5242.0	4768.4	4486.9	4005.2	3802.3
10°	5204.1	4611.4	3891.6	3485.6	3334.1
12.5°	5150.0	4378.7	3244.8	3012.0	2922.7
15°	5098.5	4348.9	3066.2	2389.6	2332.8
17.5°	5001.1	3742.7	2533.0	2246.2	2181.2
20°	4936.2	3466.7	2330.1	1948.5	1775.3
22.5°	4849.6	3304.3	2143.3	1772.6	1704.9
25°	4754.8	3031.0	1818.6	1656.2	1642.7
27.5°	4633.1	2665.6	1629.2	1612.9	1607.5
30°	4505.9	2262.4	1575.0	1569.6	1561.5
32.5°	4367.9	2102.7	1526.3	1526.3	1518.2
35°	4221.7	2002.6	1477.6	1477.6	1374.8
37.5°	4064.8	1875.4	1428.9	1428.9	1033.8
40°	3910.5	1607.5	1372.1	952.6	698.2
42.5°	3731.9	1388.3	1323.3	665.7	5.4
45°	3534.3	1296.3	1263.8	5.4	2.7
47.5°	3347.6	1231.3	860.6	2.7	0.0
50°	3147.3	1161.0	590.0	2.7	0.0
52.5°	2957.9	1096.0	27.1	2.7	0.0
55°	2754.9	1023.0	18.9	2.7	0.0
57.5°	2524.9	952.6	16.2	2.7	0.0
60°	2311.1	876.8	13.5	2.7	0.0
62.5°	2075.7	744.2	8.1	2.7	0.0
65°	1851.1	416.8	5.4	2.7	0.0
67.5°	1629.2	67.7	5.4	2.7	0.0
70°	1385.6	46.0	2.7	2.7	0.0
72.5°	1161.0	35.2	2.7	2.7	2.7
75°	925.5	21.6	2.7	2.7	2.7
77.5°	692.8	13.5	2.7	2.7	2.7
80°	476.3	8.1	2.7	2.7	2.7
82.5°	286.9	2.7	2.7	2.7	2.7
85°	138.0	2.7	2.7	2.7	2.7
87.5°	43.3	2.7	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)