

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: P218459

Luminaire Tested: **4SNLED-LD5-54SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218459
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5168.0 lumens
Efficiency: N/A
Efficacy: 120.7 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

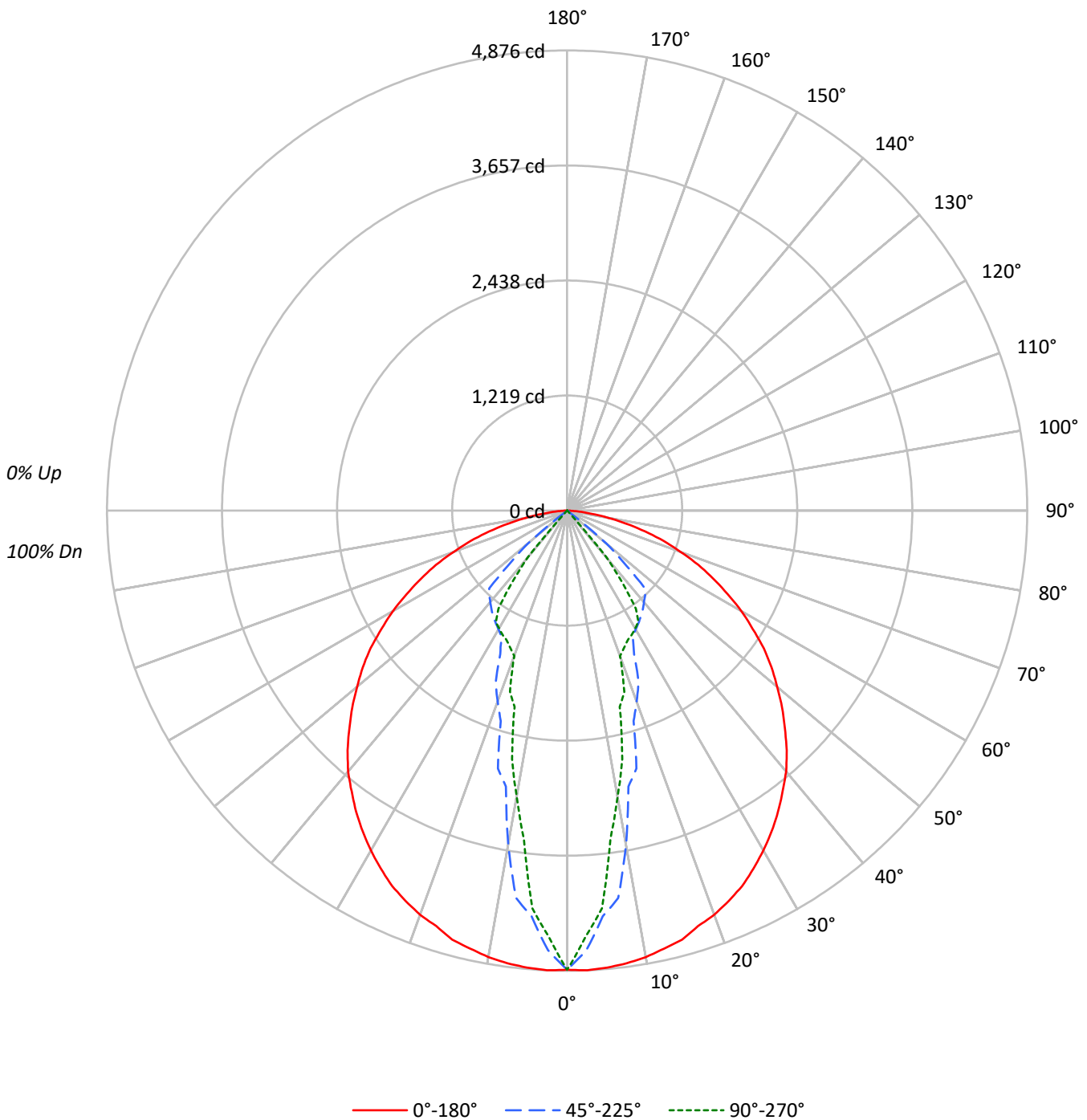
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	78407	78407	78407
5°	78340	65591	62939
10°	78022	52017	42805
15°	77639	39429	28329
20°	76959	29082	20600
25°	76540	22214	18384
30°	75563	18979	17002
35°	74475	17700	14681
40°	73356	16463	7372
45°	71362	15307	28
50°	69374	7269	0
55°	67419	240	0
60°	64111	177	0
65°	59792	74	0
70°	54053	39	0
75°	46017	42	33
80°	32983	45	35
85°	15945	49	37



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.6	7.8
10°-20°	865.7	16.8
20°-30°	1032.7	20.0
30°-40°	1098.9	21.3
40°-50°	802.8	15.5
50°-60°	512.8	9.9
60°-70°	308.7	6.0
70°-80°	120.3	2.3
80°-90°	24.4	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°	2300.0	44.5
0°-40°	3398.9	65.8
0°-60°	4714.5	91.2
0°-90°	5168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4866	4866	4866	4866	4866	
5°	4861	4624	4316	4239	4232	462
15°	4706	4014	2830	2206	2153	1325
25°	4389	2798	1679	1529	1516	2020
35°	3897	1848	1364	1364	1269	2438
45°	3262	1196	1166	5	2	2520
55°	2543	944	18	2	0	2264
65°	1709	385	5	2	0	1691
75°	854	20	2	2	2	902
85°	127	2	2	2	2	177
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4865.9	4865.9	4865.9	4865.9	4865.9
2.5°	4875.9	4843.4	4663.6	4588.7	4516.2
5°	4860.9	4623.6	4316.4	4239.0	4231.5
7.5°	4838.5	4401.3	4141.5	3696.9	3509.6
10°	4803.5	4256.4	3592.0	3217.3	3077.4
12.5°	4753.5	4041.6	2995.0	2780.2	2697.7
15°	4706.1	4014.1	2830.1	2205.7	2153.2
17.5°	4616.1	3454.6	2338.0	2073.3	2013.3
20°	4556.2	3199.8	2150.7	1798.5	1638.6
22.5°	4476.3	3049.9	1978.3	1636.1	1573.7
25°	4388.8	2797.7	1678.6	1528.7	1516.2
27.5°	4276.4	2460.4	1503.7	1488.8	1483.8
30°	4159.0	2088.3	1453.8	1448.8	1441.3
32.5°	4031.6	1940.9	1408.8	1408.8	1401.3
35°	3896.7	1848.5	1363.9	1363.9	1268.9
37.5°	3751.9	1731.1	1318.9	1318.9	954.2
40°	3609.5	1483.8	1266.4	879.3	644.5
42.5°	3444.6	1281.4	1221.5	614.5	5.0
45°	3262.3	1196.5	1166.5	5.0	2.5
47.5°	3089.9	1136.5	794.3	2.5	0.0
50°	2905.1	1071.6	544.5	2.5	0.0
52.5°	2730.2	1011.7	25.0	2.5	0.0
55°	2542.9	944.2	17.5	2.5	0.0
57.5°	2330.6	879.3	15.0	2.5	0.0
60°	2133.2	809.3	12.5	2.5	0.0
62.5°	1915.9	686.9	7.5	2.5	0.0
65°	1708.6	384.7	5.0	2.5	0.0
67.5°	1503.7	62.4	5.0	2.5	0.0
70°	1278.9	42.5	2.5	2.5	0.0
72.5°	1071.6	32.5	2.5	2.5	2.5
75°	854.3	20.0	2.5	2.5	2.5
77.5°	639.5	12.5	2.5	2.5	2.5
80°	439.6	7.5	2.5	2.5	2.5
82.5°	264.8	2.5	2.5	2.5	2.5
85°	127.4	2.5	2.5	2.5	2.5
87.5°	40.0	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)