

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: P218460

Luminaire Tested: **4SNLED-LD5-54SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218460
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5490.1 lumens
Efficiency: N/A
Efficacy: 128.3 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

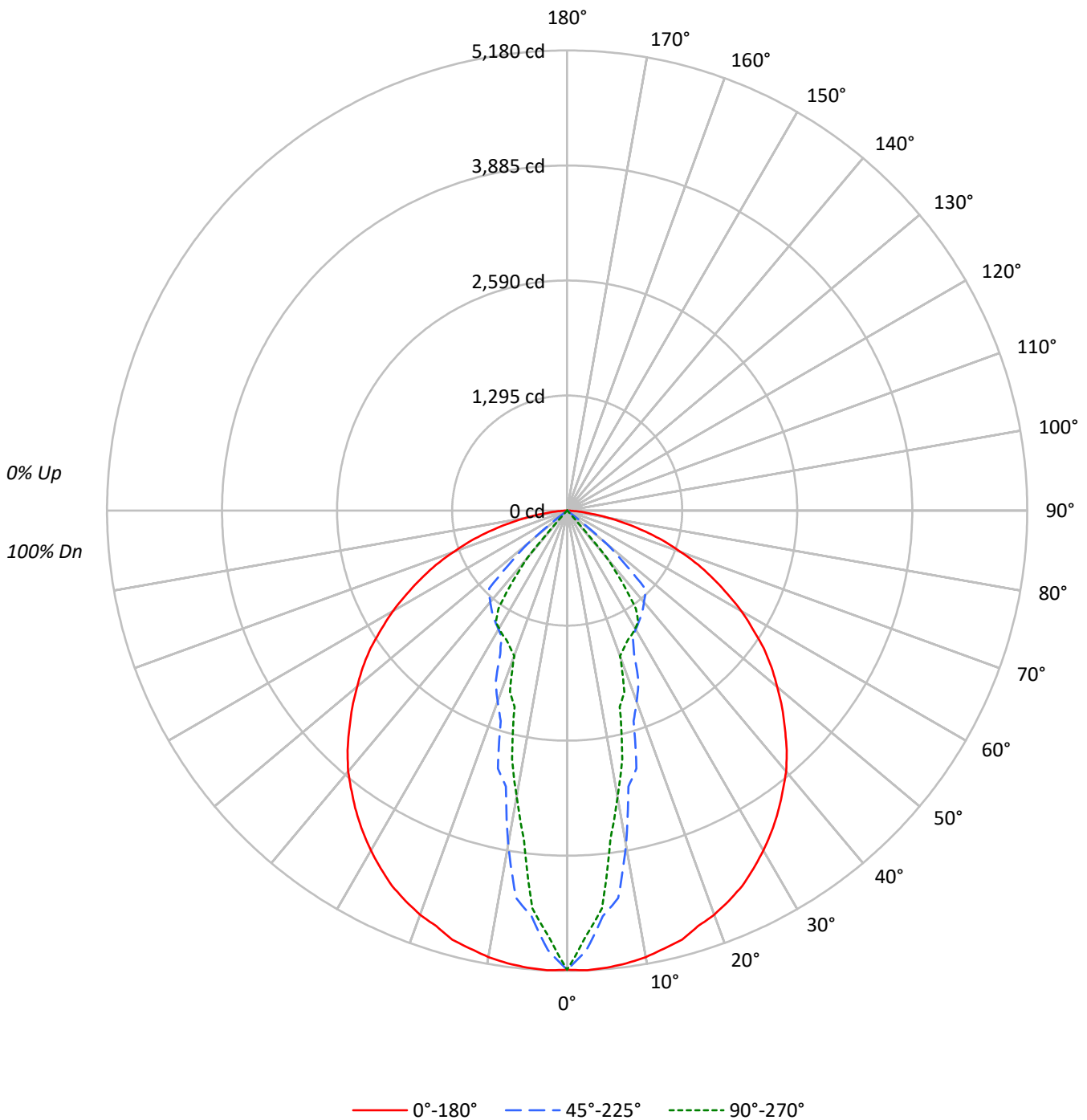
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	83293	83293	83293
5°	83222	69678	66860
10°	82883	55258	45473
15°	82476	41887	30095
20°	81755	30894	21884
25°	81310	23598	19530
30°	80272	20161	18061
35°	79116	18802	15596
40°	77926	17488	7830
45°	75807	16261	31
50°	73697	7723	0
55°	71618	255	0
60°	68105	188	0
65°	63516	78	0
70°	57421	42	0
75°	48883	45	36
80°	35039	48	38
85°	16934	53	40



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.6	7.8
10°-20°	919.6	16.8
20°-30°	1097.1	20.0
30°-40°	1167.3	21.3
40°-50°	852.9	15.5
50°-60°	544.8	9.9
60°-70°	328.0	6.0
70°-80°	127.9	2.3
80°-90°	26.0	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°	2443.3	44.5
0°-40°	3610.6	65.8
0°-60°	5008.3	91.2
0°-90°	5490.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5490.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5169	5169	5169	5169	5169	
5°	5164	4912	4585	4503	4495	491
15°	4999	4264	3006	2343	2287	1408
25°	4662	2972	1783	1624	1611	2145
35°	4140	1964	1449	1449	1348	2589
45°	3466	1271	1239	5	3	2677
55°	2701	1003	19	3	0	2405
65°	1815	409	5	3	0	1796
75°	908	21	3	3	3	959
85°	135	3	3	3	3	188
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5169.1	5169.1	5169.1	5169.1	5169.1
2.5°	5179.7	5145.2	4954.2	4874.6	4797.6
5°	5163.8	4911.7	4585.3	4503.1	4495.1
7.5°	5139.9	4675.5	4399.6	3927.2	3728.2
10°	5102.8	4521.6	3815.8	3417.8	3269.2
12.5°	5049.7	4293.4	3181.6	2953.4	2865.8
15°	4999.3	4264.2	3006.5	2343.1	2287.4
17.5°	4903.8	3669.9	2483.7	2202.4	2138.8
20°	4840.1	3399.2	2284.7	1910.6	1740.7
22.5°	4755.2	3240.0	2101.6	1738.1	1671.7
25°	4662.3	2972.0	1783.2	1624.0	1610.7
27.5°	4542.9	2613.7	1597.4	1581.5	1576.2
30°	4418.2	2218.4	1544.4	1539.1	1531.1
32.5°	4282.8	2061.8	1496.6	1496.6	1488.6
35°	4139.5	1963.6	1448.8	1448.8	1348.0
37.5°	3985.6	1838.9	1401.1	1401.1	1013.7
40°	3834.4	1576.2	1345.3	934.0	684.6
42.5°	3659.2	1361.3	1297.6	652.8	5.3
45°	3465.5	1271.0	1239.2	5.3	2.7
47.5°	3282.4	1207.4	843.8	2.7	0.0
50°	3086.1	1138.4	578.5	2.7	0.0
52.5°	2900.3	1074.7	26.5	2.7	0.0
55°	2701.3	1003.0	18.6	2.7	0.0
57.5°	2475.8	934.0	15.9	2.7	0.0
60°	2266.1	859.7	13.3	2.7	0.0
62.5°	2035.3	729.7	8.0	2.7	0.0
65°	1815.0	408.6	5.3	2.7	0.0
67.5°	1597.4	66.3	5.3	2.7	0.0
70°	1358.6	45.1	2.7	2.7	0.0
72.5°	1138.4	34.5	2.7	2.7	2.7
75°	907.5	21.2	2.7	2.7	2.7
77.5°	679.3	13.3	2.7	2.7	2.7
80°	467.0	8.0	2.7	2.7	2.7
82.5°	281.3	2.7	2.7	2.7	2.7
85°	135.3	2.7	2.7	2.7	2.7
87.5°	42.5	2.7	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)