

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: P218466

Luminaire Tested: **4SNLED-LD5-58SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218466
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-LD5-58SL-RM-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6491.9 lumens
Efficiency: N/A
Efficacy: 137.8 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

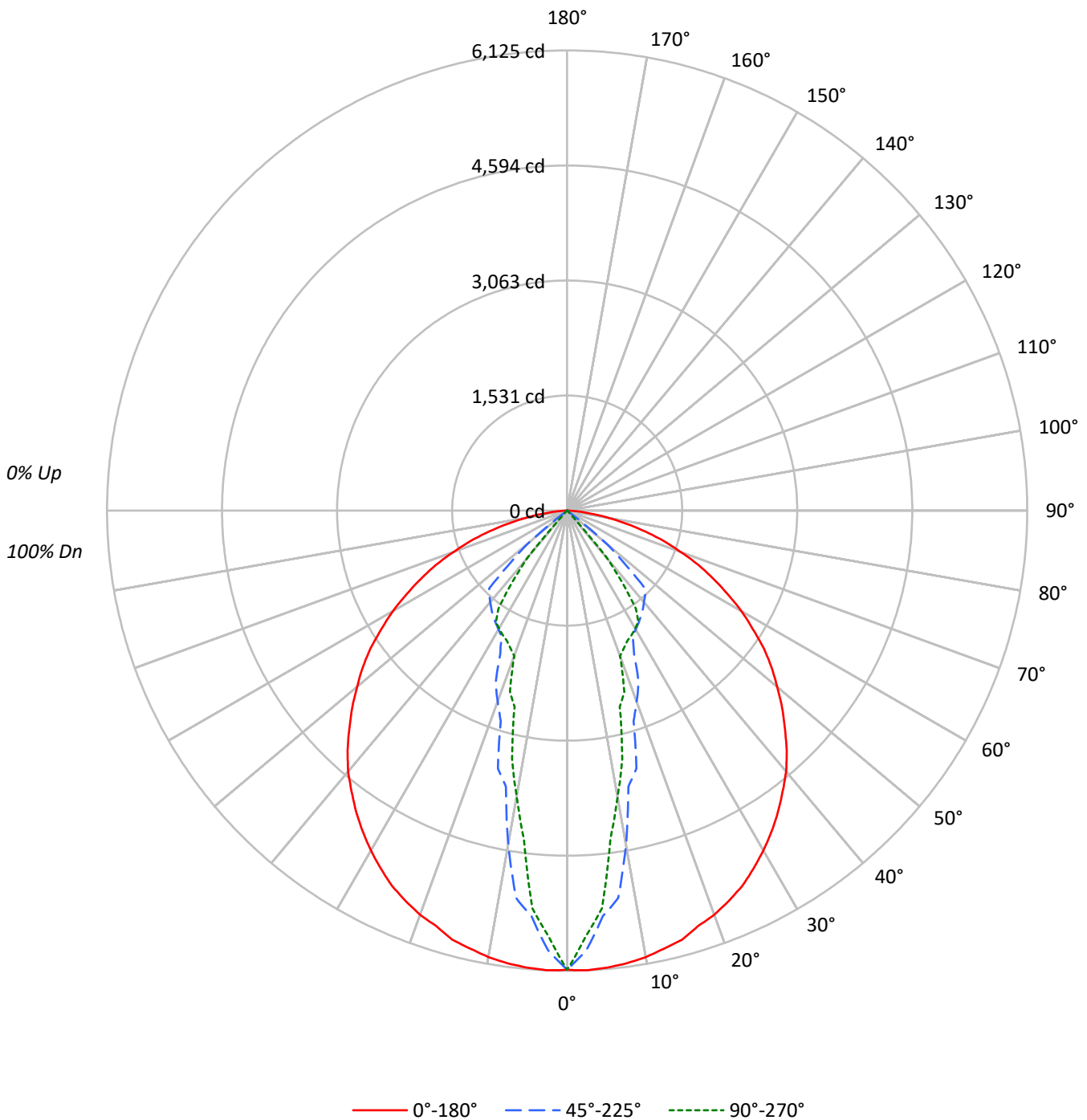
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	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°	98495	98495	98495
5°	98411	82395	79062
10°	98010	65342	53772
15°	97528	49532	35586
20°	96675	36533	25878
25°	96150	27905	23095
30°	94921	23840	21357
35°	93557	22234	18442
40°	92148	20681	9260
45°	89643	19229	35
50°	87146	9132	0
55°	84689	301	0
60°	80536	222	0
65°	75110	93	0
70°	67903	48	0
75°	57803	51	41
80°	41439	56	43
85°	20025	61	46



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.5	7.8
10°-20°	1087.5	16.8
20°-30°	1297.3	20.0
30°-40°	1380.4	21.3
40°-50°	1008.5	15.5
50°-60°	644.2	9.9
60°-70°	387.8	6.0
70°-80°	151.1	2.3
80°-90°	30.6	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°	2889.2	44.5
0°-40°	4269.6	65.8
0°-60°	5922.3	91.2
0°-90°	6491.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6491.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6112	6112	6112	6112	6112	
5°	6106	5808	5422	5325	5316	581
15°	5912	5042	3555	2771	2705	1665
25°	5513	3514	2109	1920	1905	2537
35°	4895	2322	1713	1713	1594	3062
45°	4098	1503	1465	6	3	3166
55°	3194	1186	22	3	0	2844
65°	2146	483	6	3	0	2124
75°	1073	25	3	3	3	1134
85°	160	3	3	3	3	223
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6112.5	6112.5	6112.5	6112.5	6112.5
2.5°	6125.1	6084.3	5858.4	5764.2	5673.2
5°	6106.3	5808.2	5422.2	5324.9	5315.5
7.5°	6078.0	5528.9	5202.6	4644.0	4408.7
10°	6034.1	5346.9	4512.2	4041.6	3865.8
12.5°	5971.3	5077.0	3762.3	3492.4	3388.9
15°	5911.7	5042.5	3555.2	2770.7	2704.8
17.5°	5798.8	4339.7	2937.0	2604.4	2529.1
20°	5723.4	4019.6	2701.7	2259.3	2058.4
22.5°	5623.0	3831.3	2485.2	2055.3	1976.8
25°	5513.2	3514.4	2108.6	1920.4	1904.7
27.5°	5372.0	3090.8	1889.0	1870.2	1863.9
30°	5224.5	2623.2	1826.2	1820.0	1810.5
32.5°	5064.5	2438.1	1769.8	1769.8	1760.3
35°	4895.1	2322.0	1713.3	1713.3	1594.0
37.5°	4713.1	2174.5	1656.8	1656.8	1198.7
40°	4534.2	1863.9	1590.9	1104.5	809.6
42.5°	4327.1	1609.7	1534.4	771.9	6.3
45°	4098.0	1503.0	1465.4	6.3	3.1
47.5°	3881.5	1427.7	997.8	3.1	0.0
50°	3649.3	1346.1	684.1	3.1	0.0
52.5°	3429.7	1270.8	31.4	3.1	0.0
55°	3194.3	1186.1	22.0	3.1	0.0
57.5°	2927.6	1104.5	18.8	3.1	0.0
60°	2679.7	1016.7	15.7	3.1	0.0
62.5°	2406.7	862.9	9.4	3.1	0.0
65°	2146.3	483.2	6.3	3.1	0.0
67.5°	1889.0	78.4	6.3	3.1	0.0
70°	1606.6	53.3	3.1	3.1	0.0
72.5°	1346.1	40.8	3.1	3.1	3.1
75°	1073.1	25.1	3.1	3.1	3.1
77.5°	803.3	15.7	3.1	3.1	3.1
80°	552.3	9.4	3.1	3.1	3.1
82.5°	332.6	3.1	3.1	3.1	3.1
85°	160.0	3.1	3.1	3.1	3.1
87.5°	50.2	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)