

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: P218458

Luminaire Tested: **4SNLED-LD5-52HL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218458
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-LD5-52HL-RM-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5769.0 lumens
Efficiency: N/A
Efficacy: 144.2 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

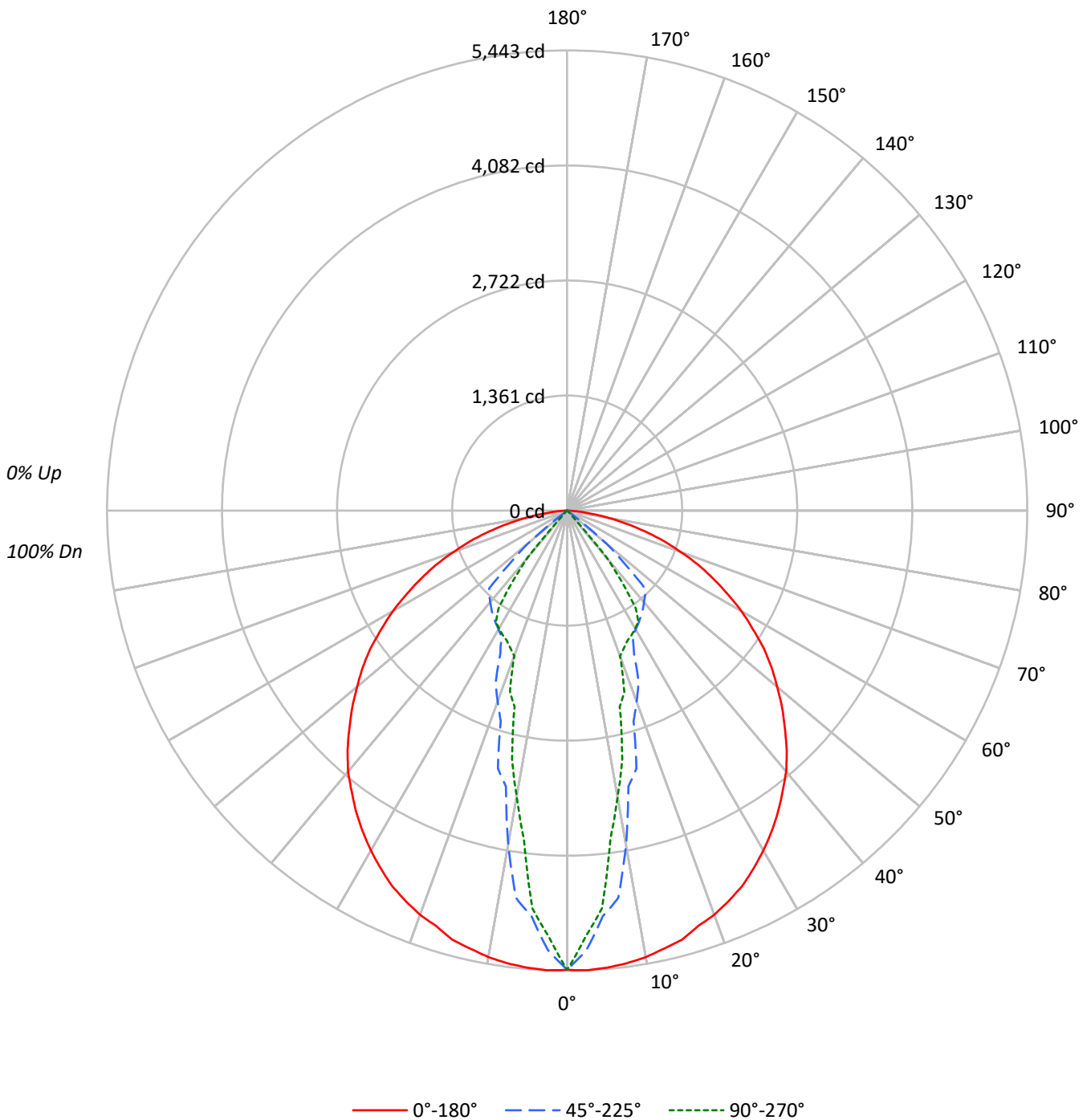
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	87526	87526	87526
5°	87450	73220	70257
10°	87095	58066	47784
15°	86666	44016	31624
20°	85908	32464	22997
25°	85442	24797	20523
30°	84351	21185	18979
35°	83137	19758	16389
40°	81885	18378	8228
45°	79659	17088	32
50°	77441	8115	0
55°	75258	267	0
60°	71568	197	0
65°	66746	83	0
70°	60342	44	0
75°	51366	46	37
80°	36825	50	39
85°	17797	55	42



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.3	7.8
10°-20°	966.4	16.8
20°-30°	1152.8	20.0
30°-40°	1226.7	21.3
40°-50°	896.2	15.5
50°-60°	572.4	9.9
60°-70°	344.7	6.0
70°-80°	134.3	2.3
80°-90°	27.3	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°	2567.5	44.5
0°-40°	3794.1	65.8
0°-60°	5262.8	91.2
0°-90°	5769.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5769.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5432	5432	5432	5432	5432	
5°	5426	5161	4818	4732	4724	516
15°	5253	4481	3159	2462	2404	1480
25°	4899	3123	1874	1706	1693	2254
35°	4350	2063	1522	1522	1416	2721
45°	3642	1336	1302	6	3	2813
55°	2839	1054	20	3	0	2527
65°	1907	429	6	3	0	1887
75°	954	22	3	3	3	1007
85°	142	3	3	3	3	198
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5431.8	5431.8	5431.8	5431.8	5431.8
2.5°	5443.0	5406.7	5205.9	5122.3	5041.4
5°	5426.2	5161.3	4818.4	4731.9	4723.5
7.5°	5401.1	4913.2	4623.2	4126.8	3917.7
10°	5362.1	4751.4	4009.7	3591.5	3435.3
12.5°	5306.3	4511.6	3343.3	3103.5	3011.5
15°	5253.3	4481.0	3159.3	2462.2	2403.6
17.5°	5153.0	3856.4	2609.9	2314.4	2247.4
20°	5086.0	3571.9	2400.8	2007.6	1829.2
22.5°	4996.8	3404.6	2208.4	1826.4	1756.7
25°	4899.2	3123.0	1873.8	1706.5	1692.6
27.5°	4773.7	2746.6	1678.6	1661.9	1656.3
30°	4642.7	2331.1	1622.8	1617.3	1608.9
32.5°	4500.5	2166.6	1572.7	1572.7	1564.3
35°	4349.9	2063.4	1522.5	1522.5	1416.5
37.5°	4188.2	1932.4	1472.3	1472.3	1065.2
40°	4029.2	1656.3	1413.7	981.5	719.4
42.5°	3845.2	1430.4	1363.5	685.9	5.6
45°	3641.6	1335.6	1302.2	5.6	2.8
47.5°	3449.2	1268.7	886.7	2.8	0.0
50°	3242.9	1196.2	607.9	2.8	0.0
52.5°	3047.7	1129.3	27.9	2.8	0.0
55°	2838.6	1054.0	19.5	2.8	0.0
57.5°	2601.6	981.5	16.7	2.8	0.0
60°	2381.3	903.4	13.9	2.8	0.0
62.5°	2138.7	766.8	8.4	2.8	0.0
65°	1907.3	429.4	5.6	2.8	0.0
67.5°	1678.6	69.7	5.6	2.8	0.0
70°	1427.7	47.4	2.8	2.8	0.0
72.5°	1196.2	36.2	2.8	2.8	2.8
75°	953.6	22.3	2.8	2.8	2.8
77.5°	713.8	13.9	2.8	2.8	2.8
80°	490.8	8.4	2.8	2.8	2.8
82.5°	295.6	2.8	2.8	2.8	2.8
85°	142.2	2.8	2.8	2.8	2.8
87.5°	44.6	2.8	2.8	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)