

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: P218456

Luminaire Tested: **4SNLED-LD5-52HL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218456
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5229.0 lumens
Efficiency: N/A
Efficacy: 130.7 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

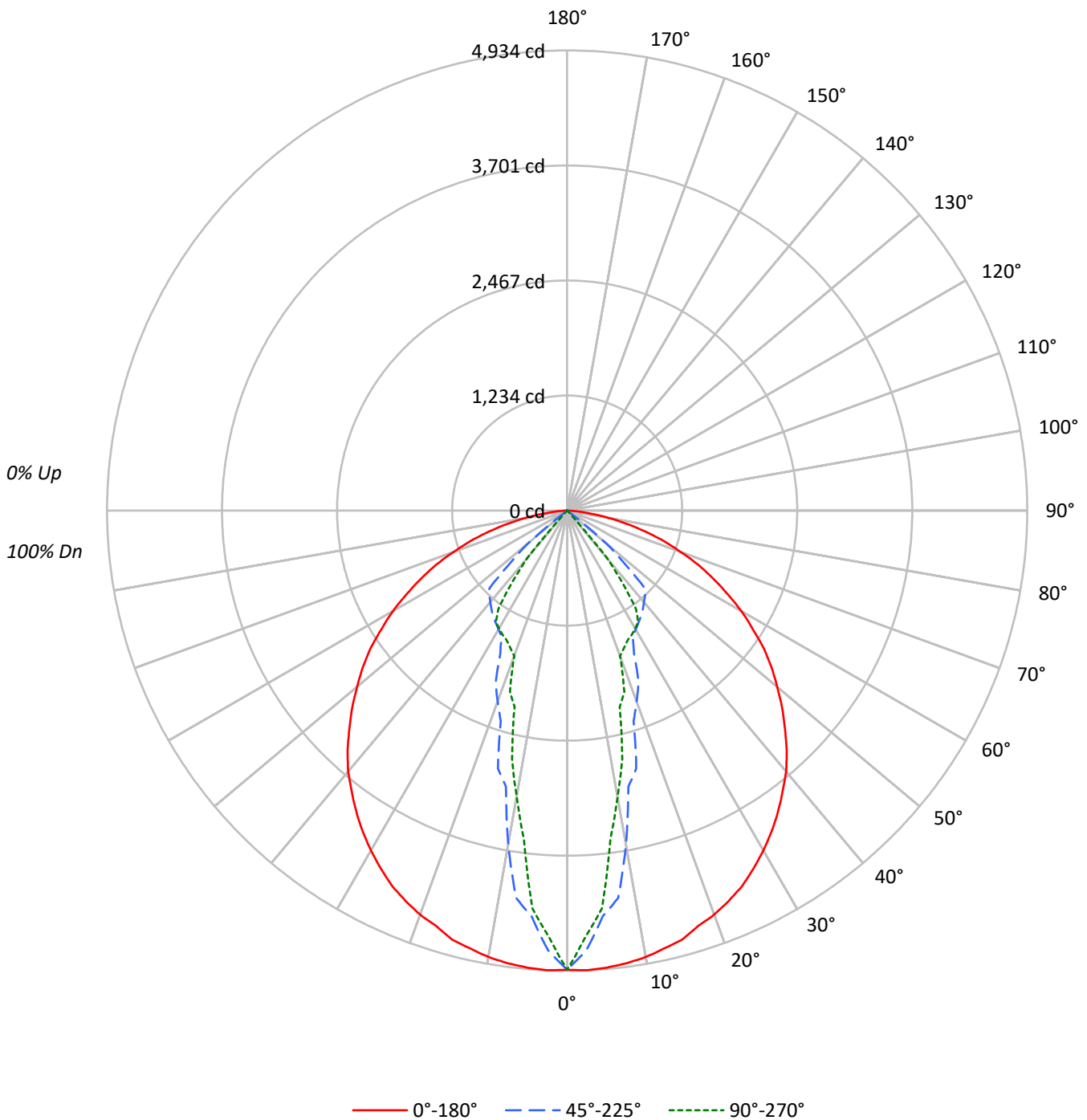
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	93	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°	79334	79334	79334
5°	79265	66365	63681
10°	78943	52631	43310
15°	78555	39895	28663
20°	77868	29426	20844
25°	77444	22476	18601
30°	76455	19202	17202
35°	75354	17909	14855
40°	74221	16658	7458
45°	72205	15488	28
50°	70193	7355	0
55°	68214	242	0
60°	64869	178	0
65°	60496	75	0
70°	54691	39	0
75°	46561	42	33
80°	33373	45	35
85°	16133	49	37



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.3	7.8
10°-20°	875.9	16.8
20°-30°	1044.9	20.0
30°-40°	1111.9	21.3
40°-50°	812.3	15.5
50°-60°	518.8	9.9
60°-70°	312.4	6.0
70°-80°	121.7	2.3
80°-90°	24.7	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°	2327.1	44.5
0°-40°	3439.0	65.8
0°-60°	4770.2	91.2
0°-90°	5229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4923	4923	4923	4923	4923	
5°	4918	4678	4367	4289	4281	468
15°	4762	4062	2864	2232	2179	1341
25°	4441	2831	1698	1547	1534	2043
35°	3943	1870	1380	1380	1284	2466
45°	3301	1211	1180	5	2	2550
55°	2573	955	18	2	0	2290
65°	1729	389	5	2	0	1711
75°	864	20	2	2	2	913
85°	129	2	2	2	2	179
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4923.4	4923.4	4923.4	4923.4	4923.4
2.5°	4933.5	4900.6	4718.6	4642.8	4569.5
5°	4918.3	4678.2	4367.3	4289.0	4281.4
7.5°	4895.6	4453.3	4190.4	3740.5	3551.0
10°	4860.2	4306.7	3634.4	3255.3	3113.7
12.5°	4809.6	4089.3	3030.3	2813.0	2729.6
15°	4761.6	4061.5	2863.5	2231.7	2178.6
17.5°	4670.6	3495.4	2365.6	2097.7	2037.1
20°	4610.0	3237.6	2176.1	1819.7	1658.0
22.5°	4529.1	3085.9	2001.7	1655.4	1592.3
25°	4440.6	2830.7	1698.4	1546.8	1534.1
27.5°	4326.9	2489.5	1521.5	1506.3	1501.3
30°	4208.1	2112.9	1470.9	1465.9	1458.3
32.5°	4079.2	1963.8	1425.5	1425.5	1417.9
35°	3942.7	1870.3	1380.0	1380.0	1283.9
37.5°	3796.1	1751.5	1334.5	1334.5	965.5
40°	3652.1	1501.3	1281.4	889.6	652.1
42.5°	3485.3	1296.6	1235.9	621.7	5.1
45°	3300.8	1210.6	1180.3	5.1	2.5
47.5°	3126.4	1150.0	803.7	2.5	0.0
50°	2939.4	1084.3	551.0	2.5	0.0
52.5°	2762.4	1023.6	25.3	2.5	0.0
55°	2572.9	955.4	17.7	2.5	0.0
57.5°	2358.1	889.6	15.2	2.5	0.0
60°	2158.4	818.9	12.6	2.5	0.0
62.5°	1938.5	695.0	7.6	2.5	0.0
65°	1728.7	389.2	5.1	2.5	0.0
67.5°	1521.5	63.2	5.1	2.5	0.0
70°	1294.0	43.0	2.5	2.5	0.0
72.5°	1084.3	32.9	2.5	2.5	2.5
75°	864.4	20.2	2.5	2.5	2.5
77.5°	647.0	12.6	2.5	2.5	2.5
80°	444.8	7.6	2.5	2.5	2.5
82.5°	267.9	2.5	2.5	2.5	2.5
85°	128.9	2.5	2.5	2.5	2.5
87.5°	40.4	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)