

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: P218457

Luminaire Tested: **4SNLED-LD5-52HL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218457
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5333.1 lumens
Efficiency: N/A
Efficacy: 133.3 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

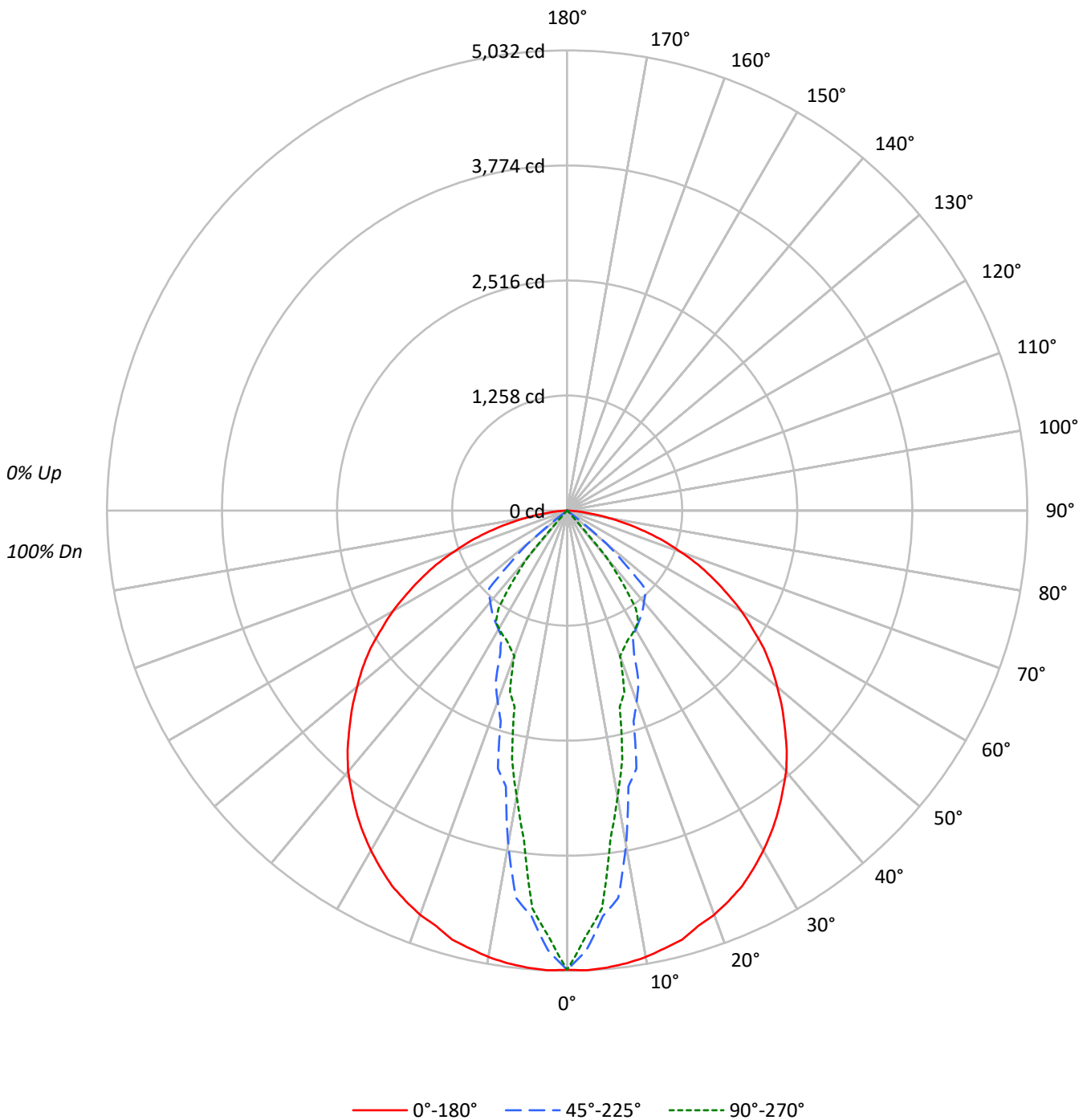
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	80911	80911	80911
5°	80841	67685	64948
10°	80512	53678	44173
15°	80117	40689	29233
20°	79417	30011	21258
25°	78985	22923	18971
30°	77976	19584	17544
35°	76855	18264	15151
40°	75697	16989	7606
45°	73640	15796	30
50°	71588	7501	0
55°	69571	246	0
60°	66158	183	0
65°	61700	77	0
70°	55781	41	0
75°	47488	43	34
80°	34041	47	36
85°	16458	51	39



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.4	7.8
10°-20°	893.3	16.8
20°-30°	1065.7	20.0
30°-40°	1134.0	21.3
40°-50°	828.5	15.5
50°-60°	529.2	9.9
60°-70°	318.6	6.0
70°-80°	124.2	2.3
80°-90°	25.2	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°	2373.4	44.5
0°-40°	3507.4	65.8
0°-60°	4865.1	91.2
0°-90°	5333.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5333.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5021	5021	5021	5021	5021	
5°	5016	4771	4454	4374	4367	477
15°	4856	4142	2920	2276	2222	1368
25°	4529	2887	1732	1578	1565	2084
35°	4021	1908	1407	1407	1310	2515
45°	3366	1235	1204	5	3	2600
55°	2624	974	18	3	0	2336
65°	1763	397	5	3	0	1745
75°	882	21	3	3	3	931
85°	132	3	3	3	3	183
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5021.3	5021.3	5021.3	5021.3	5021.3
2.5°	5031.6	4998.1	4812.5	4735.2	4660.4
5°	5016.1	4771.3	4454.2	4374.3	4366.6
7.5°	4992.9	4541.8	4273.8	3814.9	3621.6
10°	4956.8	4392.3	3706.7	3320.0	3175.7
12.5°	4905.3	4170.7	3090.6	2868.9	2783.9
15°	4856.3	4142.3	2920.5	2276.1	2221.9
17.5°	4763.5	3564.9	2412.7	2139.5	2077.6
20°	4701.7	3302.0	2219.4	1855.9	1690.9
22.5°	4619.2	3147.3	2041.5	1688.4	1623.9
25°	4529.0	2887.0	1732.2	1577.5	1564.6
27.5°	4413.0	2539.0	1551.8	1536.3	1531.1
30°	4291.8	2154.9	1500.2	1495.0	1487.3
32.5°	4160.3	2002.8	1453.8	1453.8	1446.1
35°	4021.2	1907.5	1407.4	1407.4	1309.5
37.5°	3871.6	1786.3	1361.0	1361.0	984.7
40°	3724.7	1531.1	1306.9	907.3	665.0
42.5°	3554.6	1322.3	1260.5	634.1	5.2
45°	3366.4	1234.7	1203.8	5.2	2.6
47.5°	3188.6	1172.8	819.7	2.6	0.0
50°	2997.8	1105.8	561.9	2.6	0.0
52.5°	2817.4	1044.0	25.8	2.6	0.0
55°	2624.1	974.4	18.0	2.6	0.0
57.5°	2405.0	907.3	15.5	2.6	0.0
60°	2201.3	835.2	12.9	2.6	0.0
62.5°	1977.1	708.9	7.7	2.6	0.0
65°	1763.1	397.0	5.2	2.6	0.0
67.5°	1551.8	64.4	5.2	2.6	0.0
70°	1319.8	43.8	2.6	2.6	0.0
72.5°	1105.8	33.5	2.6	2.6	2.6
75°	881.6	20.6	2.6	2.6	2.6
77.5°	659.9	12.9	2.6	2.6	2.6
80°	453.7	7.7	2.6	2.6	2.6
82.5°	273.2	2.6	2.6	2.6	2.6
85°	131.5	2.6	2.6	2.6	2.6
87.5°	41.2	2.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)