

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: P218097

Luminaire Tested: **4SNLED-LD5-52SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-52SL-LC-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5662.0 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

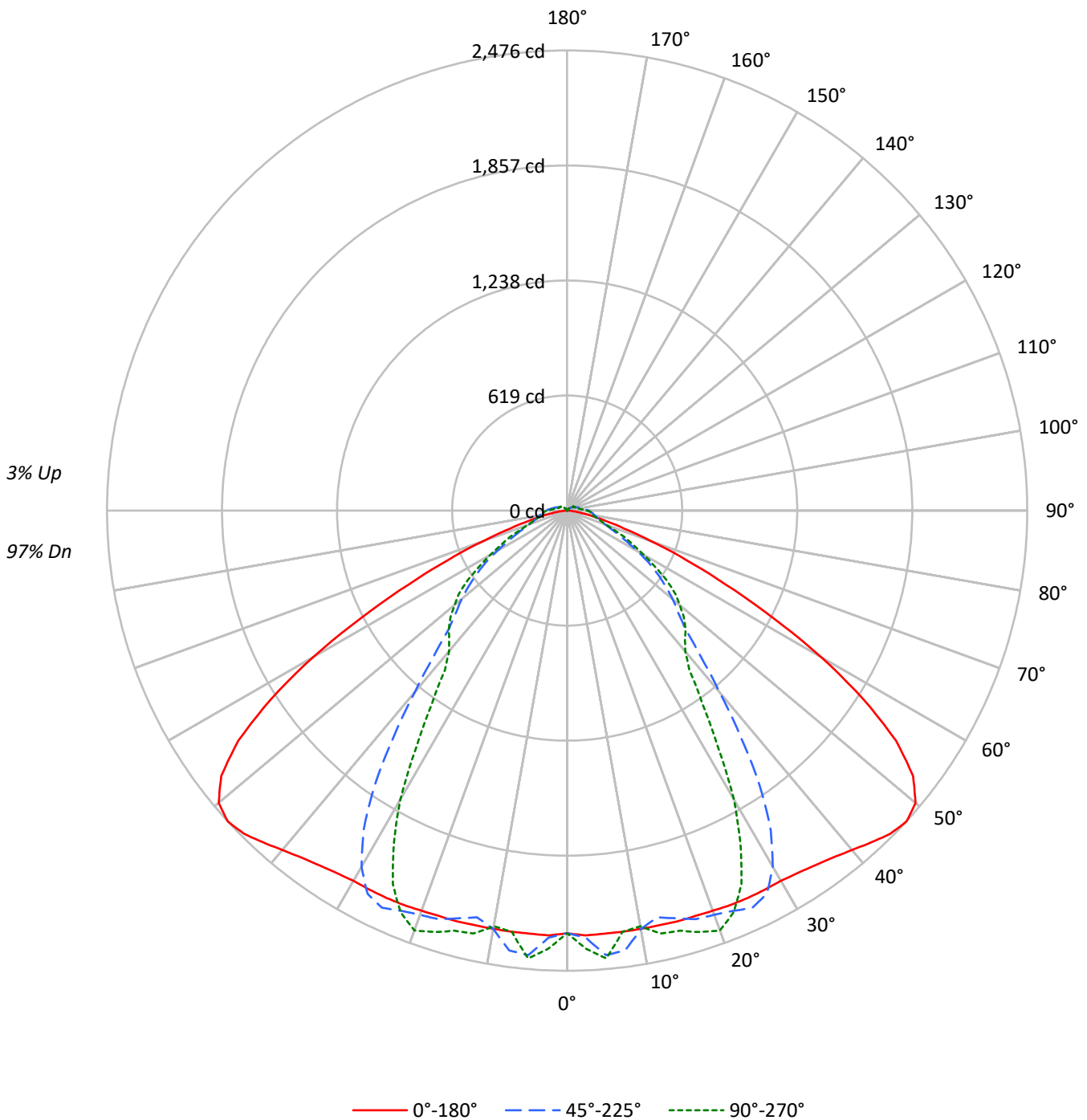
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36636	36636	36636
5°	36829	36485	35971
10°	37118	33093	31585
15°	37748	31636	30789
20°	38698	31293	30222
25°	40107	31200	26901
30°	41782	28887	21182
35°	44505	23454	14677
40°	48444	16567	11296
45°	53790	11782	10264
50°	58444	9899	9044
55°	57285	8128	7540
60°	47527	6151	5637
65°	32839	4452	4144
70°	20444	3384	2840
75°	11543	2886	2248
80°	6520	2699	1933
85°	2904	2614	1938



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.5	3.9
10°-20°	658.2	11.6
20°-30°	1045.9	18.5
30°-40°	1127.7	19.9
40°-50°	972.0	17.2
50°-60°	735.9	13.0
60°-70°	397.5	7.0
70°-80°	188.8	3.3
80°-90°	118.5	2.1
90°-100°	75.4	1.3
100°-110°	48.3	0.9
110°-120°	32.3	0.6
120°-130°	21.3	0.4
130°-140°	10.4	0.2
140°-150°	4.4	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1927.6	34.0
0°-40°	3055.3	54.0
0°-60°	4763.2	84.1
0°-90°	5468.0	96.6
90°-120°	156.0	2.8
90°-150°	192.2	3.4
90°-180°	194.0	3.4
0°-180°	5662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2274	2274	2274	2274	2274	
5°	2285	2334	2401	2433	2418	218
15°	2288	2349	2271	2349	2340	648
25°	2300	2256	2358	2294	2219	1064
35°	2329	2242	1807	1382	1269	1467
45°	2459	1541	898	889	901	1893
55°	2161	666	594	649	652	1879
65°	938	284	301	339	342	964
75°	214	148	174	174	171	252
85°	23	90	133	133	130	33
90°	0	70	116	113	104	1
95°	0	55	93	84	78	0
105°	0	35	64	58	52	0
115°	0	20	43	43	43	0
125°	0	12	29	38	35	0
135°	0	6	17	20	20	0
145°	0	3	9	12	9	0
155°	0	3	3	6	3	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2273.6	2273.6	2273.6	2273.6	2273.6
2.5°	2288.1	2291.0	2299.7	2343.1	2360.5
5°	2285.2	2334.4	2401.0	2432.9	2418.4
7.5°	2285.2	2386.6	2386.6	2325.7	2285.2
10°	2285.2	2415.5	2285.2	2273.6	2270.7
12.5°	2285.2	2398.1	2241.7	2322.8	2331.5
15°	2288.1	2348.9	2270.7	2348.9	2340.2
17.5°	2288.1	2291.0	2305.5	2366.3	2377.9
20°	2291.0	2253.3	2314.2	2412.6	2403.9
22.5°	2296.8	2247.5	2331.5	2392.4	2340.2
25°	2299.7	2256.2	2357.6	2293.9	2218.6
27.5°	2299.7	2267.8	2325.7	2143.3	2018.7
30°	2299.7	2273.6	2212.8	1934.7	1795.7
32.5°	2311.3	2267.8	2039.0	1662.5	1511.9
35°	2328.6	2241.7	1807.3	1381.5	1268.6
37.5°	2351.8	2172.2	1535.0	1155.6	1080.3
40°	2383.7	2021.6	1274.4	1010.8	987.6
42.5°	2421.3	1801.5	1060.1	938.4	938.4
45°	2459.0	1540.8	897.9	889.2	900.8
47.5°	2476.4	1286.0	808.1	839.9	851.5
50°	2447.4	1048.5	741.5	784.9	790.7
52.5°	2346.0	837.0	666.2	718.3	732.8
55°	2160.7	666.2	593.7	648.8	651.7
57.5°	1891.3	530.0	518.4	561.9	559.0
60°	1581.4	428.7	434.4	477.9	477.9
62.5°	1248.3	347.6	364.9	402.6	399.7
65°	938.4	283.8	301.2	338.9	341.8
67.5°	692.2	234.6	254.9	280.9	275.2
70°	483.7	196.9	217.2	231.7	225.9
72.5°	321.5	168.0	191.2	196.9	194.1
75°	214.3	147.7	173.8	173.8	170.9
77.5°	139.0	130.3	162.2	159.3	153.5
80°	86.9	115.9	150.6	144.8	139.0
82.5°	52.1	101.4	141.9	136.1	130.3
85°	23.2	89.8	133.2	133.2	130.3
87.5°	8.7	81.1	124.5	127.4	121.6
90°	0.0	69.5	115.9	113.0	104.3
92.5°	0.0	63.7	104.3	95.6	89.8
95°	0.0	55.0	92.7	84.0	78.2
97.5°	0.0	49.2	84.0	75.3	69.5
100°	0.0	43.4	75.3	66.6	60.8
102.5°	0.0	37.7	69.5	60.8	57.9
105°	0.0	34.8	63.7	57.9	52.1
107.5°	0.0	31.9	57.9	52.1	49.2
110°	0.0	26.1	52.1	49.2	46.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.2	46.3	46.3	46.3
115°	0.0	20.3	43.4	43.4	43.4
117.5°	0.0	17.4	37.7	43.4	43.4
120°	0.0	17.4	34.8	40.5	40.5
122.5°	0.0	14.5	31.9	40.5	40.5
125°	0.0	11.6	29.0	37.7	34.8
127.5°	0.0	8.7	26.1	31.9	31.9
130°	0.0	8.7	23.2	29.0	26.1
132.5°	0.0	5.8	20.3	23.2	23.2
135°	0.0	5.8	17.4	20.3	20.3
137.5°	0.0	5.8	14.5	17.4	14.5
140°	0.0	2.9	11.6	14.5	11.6
142.5°	0.0	2.9	11.6	14.5	11.6
145°	0.0	2.9	8.7	11.6	8.7
147.5°	0.0	2.9	5.8	8.7	8.7
150°	0.0	2.9	5.8	8.7	5.8
152.5°	0.0	2.9	5.8	5.8	2.9
155°	0.0	2.9	2.9	5.8	2.9
157.5°	0.0	2.9	2.9	2.9	2.9
160°	2.9	2.9	2.9	2.9	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)