

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: P218092

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218092
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-LD5-52HL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5215.0 lumens
Efficiency: N/A
Efficacy: 140.9 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

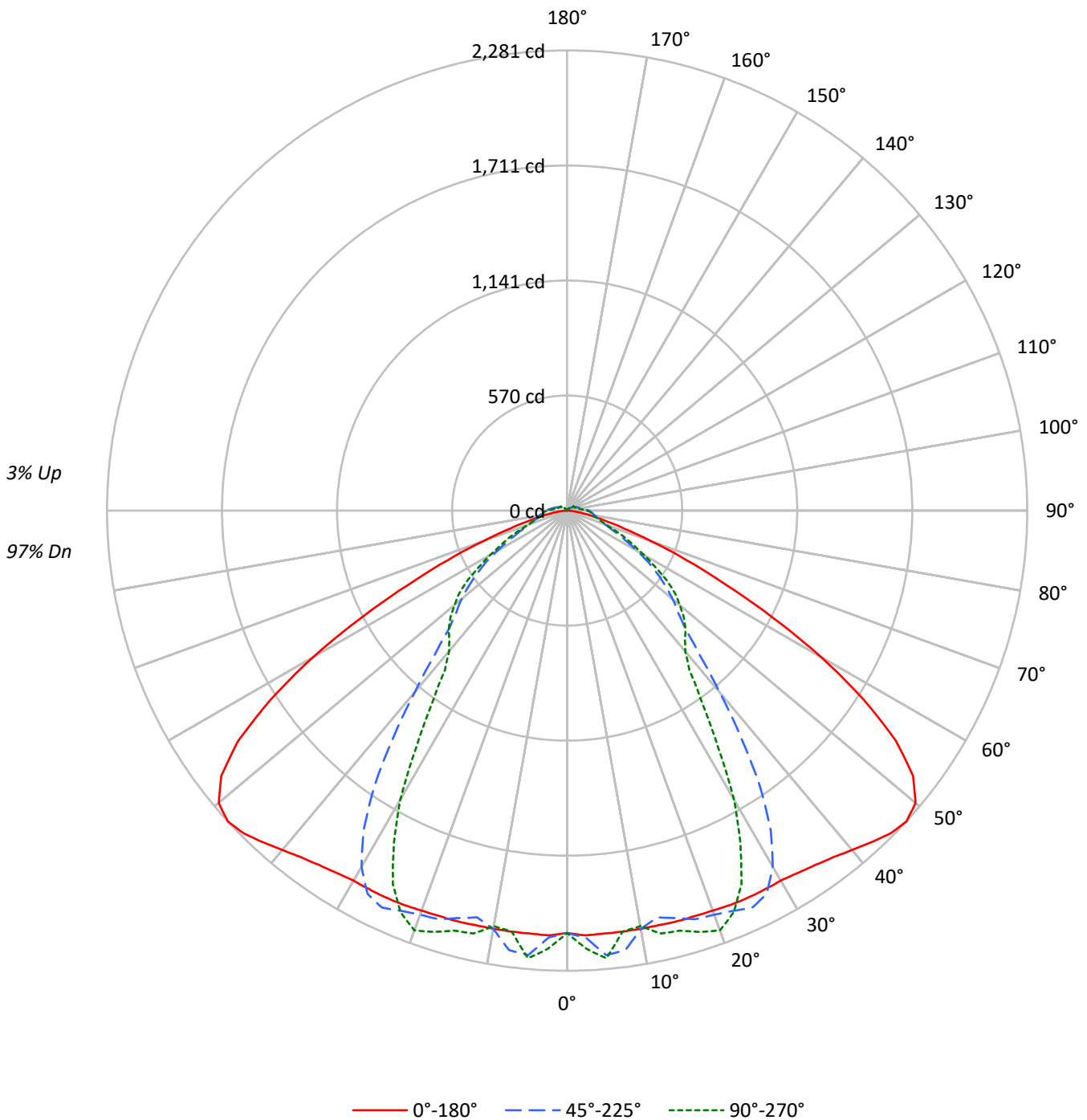
Input Watts (W): 37
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33744	33744	33744
5°	33922	33606	33132
10°	34188	30480	29091
15°	34769	29138	28359
20°	35642	28823	27837
25°	36939	28737	24777
30°	38483	26606	19509
35°	40992	21602	13518
40°	44619	15259	10405
45°	49542	10852	9453
50°	53831	9116	8330
55°	52762	7487	6944
60°	43774	5666	5193
65°	30246	4100	3817
70°	18829	3118	2616
75°	10633	2659	2071
80°	6002	2486	1780
85°	2666	2408	1785



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.8	3.9
10°-20°	606.3	11.6
20°-30°	963.3	18.5
30°-40°	1038.7	19.9
40°-50°	895.2	17.2
50°-60°	677.8	13.0
60°-70°	366.1	7.0
70°-80°	173.9	3.3
80°-90°	109.2	2.1
90°-100°	69.5	1.3
100°-110°	44.5	0.9
110°-120°	29.8	0.6
120°-130°	19.6	0.4
130°-140°	9.6	0.2
140°-150°	4.1	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1775.4	34.0
0°-40°	2814.1	54.0
0°-60°	4387.1	84.1
0°-90°	5036.4	96.6
90°-120°	143.7	2.8
90°-150°	177.0	3.4
90°-180°	179.0	3.4
0°-180°	5215.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2094	2094	2094	2094	2094	
5°	2105	2150	2212	2241	2228	201
15°	2108	2164	2091	2164	2156	597
25°	2118	2078	2172	2113	2043	980
35°	2145	2065	1665	1272	1168	1351
45°	2265	1419	827	819	830	1743
55°	1990	614	547	598	600	1731
65°	864	261	277	312	315	888
75°	197	136	160	160	157	232
85°	21	83	123	123	120	31
90°	0	64	107	104	96	1
95°	0	51	85	77	72	0
105°	0	32	59	53	48	0
115°	0	19	40	40	40	0
125°	0	11	27	35	32	0
135°	0	5	16	19	19	0
145°	0	3	8	11	8	0
155°	0	3	3	5	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°	2094.1	2094.1	2094.1	2094.1	2094.1
2.5°	2107.5	2110.1	2118.1	2158.1	2174.1
5°	2104.8	2150.1	2211.5	2240.8	2227.5
7.5°	2104.8	2198.2	2198.2	2142.1	2104.8
10°	2104.8	2224.8	2104.8	2094.1	2091.4
12.5°	2104.8	2208.8	2064.8	2139.5	2147.5
15°	2107.5	2163.5	2091.4	2163.5	2155.5
17.5°	2107.5	2110.1	2123.5	2179.5	2190.1
20°	2110.1	2075.4	2131.5	2222.2	2214.2
22.5°	2115.5	2070.1	2147.5	2203.5	2155.5
25°	2118.1	2078.1	2171.5	2112.8	2043.4
27.5°	2118.1	2088.8	2142.1	1974.1	1859.4
30°	2118.1	2094.1	2038.1	1782.0	1653.9
32.5°	2128.8	2088.8	1878.0	1531.2	1392.5
35°	2144.8	2064.8	1664.6	1272.5	1168.4
37.5°	2166.1	2000.7	1413.9	1064.4	995.0
40°	2195.5	1862.0	1173.8	931.0	909.7
42.5°	2230.2	1659.3	976.4	864.3	864.3
45°	2264.8	1419.2	827.0	819.0	829.6
47.5°	2280.8	1184.4	744.3	773.6	784.3
50°	2254.2	965.7	682.9	722.9	728.3
52.5°	2160.8	771.0	613.6	661.6	674.9
55°	1990.1	613.6	546.9	597.6	600.2
57.5°	1742.0	488.2	477.5	517.5	514.9
60°	1456.5	394.8	400.1	440.2	440.2
62.5°	1149.8	320.1	336.1	370.8	368.1
65°	864.3	261.4	277.4	312.1	314.8
67.5°	637.6	216.1	234.8	258.8	253.4
70°	445.5	181.4	200.1	213.4	208.1
72.5°	296.1	154.7	176.1	181.4	178.7
75°	197.4	136.1	160.1	160.1	157.4
77.5°	128.0	120.0	149.4	146.7	141.4
80°	80.0	106.7	138.7	133.4	128.0
82.5°	48.0	93.4	130.7	125.4	120.0
85°	21.3	82.7	122.7	122.7	120.0
87.5°	8.0	74.7	114.7	117.4	112.0
90°	0.0	64.0	106.7	104.0	96.0
92.5°	0.0	58.7	96.0	88.0	82.7
95°	0.0	50.7	85.4	77.4	72.0
97.5°	0.0	45.4	77.4	69.4	64.0
100°	0.0	40.0	69.4	61.4	56.0
102.5°	0.0	34.7	64.0	56.0	53.4
105°	0.0	32.0	58.7	53.4	48.0
107.5°	0.0	29.3	53.4	48.0	45.4
110°	0.0	24.0	48.0	45.4	42.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.3	42.7	42.7	42.7
115°	0.0	18.7	40.0	40.0	40.0
117.5°	0.0	16.0	34.7	40.0	40.0
120°	0.0	16.0	32.0	37.3	37.3
122.5°	0.0	13.3	29.3	37.3	37.3
125°	0.0	10.7	26.7	34.7	32.0
127.5°	0.0	8.0	24.0	29.3	29.3
130°	0.0	8.0	21.3	26.7	24.0
132.5°	0.0	5.3	18.7	21.3	21.3
135°	0.0	5.3	16.0	18.7	18.7
137.5°	0.0	5.3	13.3	16.0	13.3
140°	0.0	2.7	10.7	13.3	10.7
142.5°	0.0	2.7	10.7	13.3	10.7
145°	0.0	2.7	8.0	10.7	8.0
147.5°	0.0	2.7	5.3	8.0	8.0
150°	0.0	2.7	5.3	8.0	5.3
152.5°	0.0	2.7	5.3	5.3	2.7
155°	0.0	2.7	2.7	5.3	2.7
157.5°	0.0	2.7	2.7	2.7	2.7
160°	2.7	2.7	2.7	2.7	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)