

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: P218095

Luminaire Tested: **4SNLED-LD5-52SL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218095
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5226.0 lumens
Efficiency: N/A
Efficacy: 122.1 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

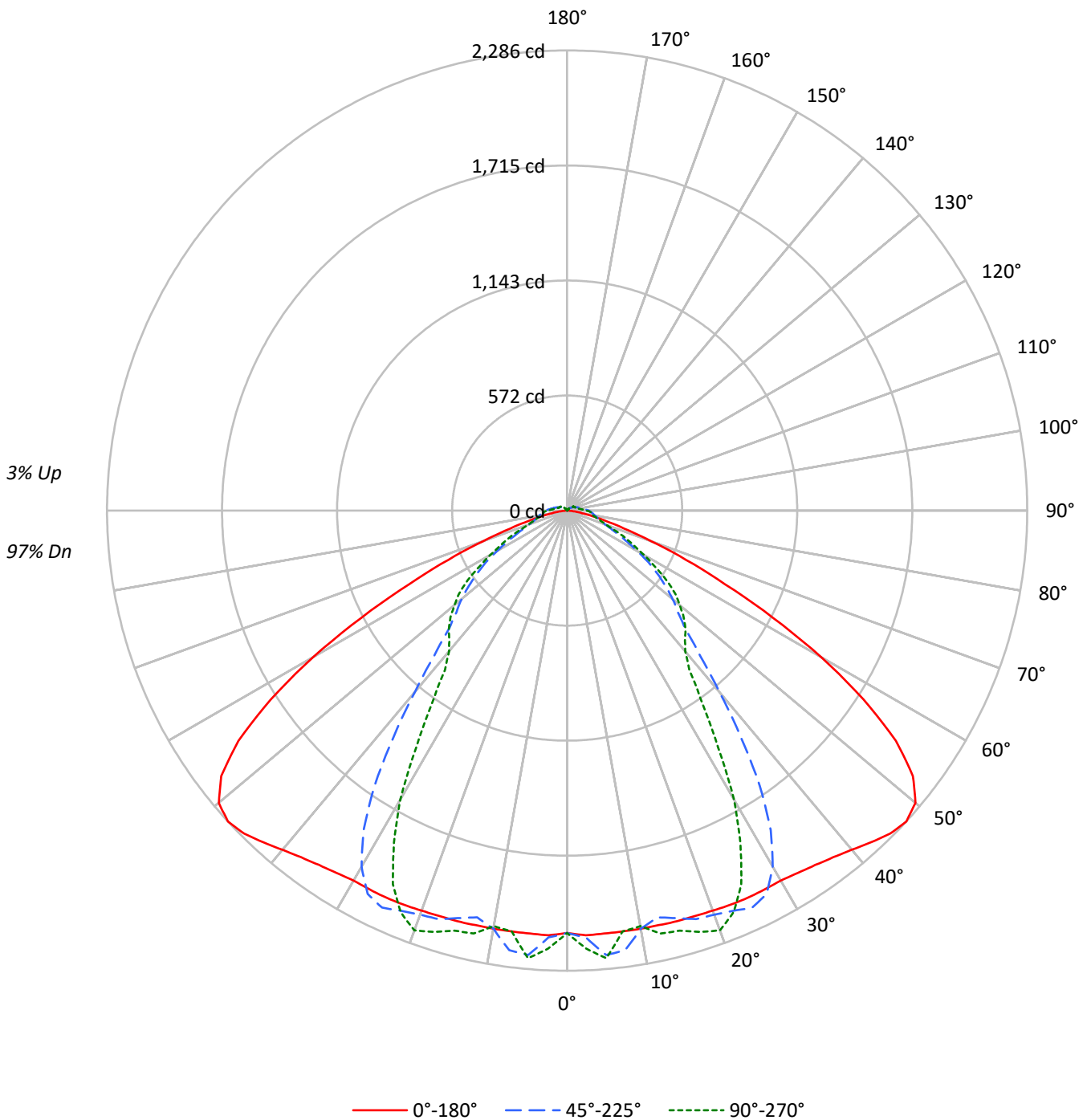
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	33814	33814	33814
5°	33993	33677	33202
10°	34259	30544	29153
15°	34841	29200	28419
20°	35718	28884	27895
25°	37018	28798	24829
30°	38564	26662	19551
35°	41078	21648	13547
40°	44712	15290	10427
45°	49647	10874	9473
50°	53943	9136	8347
55°	52874	7502	6959
60°	43867	5678	5203
65°	30309	4109	3824
70°	18867	3124	2621
75°	10655	2664	2075
80°	6017	2491	1785
85°	2678	2414	1789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.3	3.9
10°-20°	607.5	11.6
20°-30°	965.4	18.5
30°-40°	1040.9	19.9
40°-50°	897.1	17.2
50°-60°	679.2	13.0
60°-70°	366.9	7.0
70°-80°	174.3	3.3
80°-90°	109.4	2.1
90°-100°	69.6	1.3
100°-110°	44.6	0.9
110°-120°	29.8	0.6
120°-130°	19.7	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°	1779.2	34.0
0°-40°	2820.0	54.0
0°-60°	4396.4	84.1
0°-90°	5047.0	96.6
90°-120°	144.0	2.8
90°-150°	177.4	3.4
90°-180°	179.0	3.4
0°-180°	5226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2098	2098	2098	2098	2098	
5°	2109	2155	2216	2246	2232	201
15°	2112	2168	2096	2168	2160	599
25°	2123	2082	2176	2117	2048	982
35°	2149	2069	1668	1275	1171	1354
45°	2270	1422	829	821	831	1747
55°	1994	615	548	599	602	1735
65°	866	262	278	313	315	889
75°	198	136	160	160	158	233
85°	21	83	123	123	120	31
90°	0	64	107	104	96	1
95°	0	51	86	78	72	0
105°	0	32	59	54	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



TEST NUMBER: P218095

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2098.5	2098.5	2098.5	2098.5	2098.5
2.5°	2111.9	2114.6	2122.6	2162.7	2178.7
5°	2109.2	2154.7	2216.2	2245.6	2232.2
7.5°	2109.2	2202.8	2202.8	2146.6	2109.2
10°	2109.2	2229.5	2109.2	2098.5	2095.9
12.5°	2109.2	2213.5	2069.1	2144.0	2152.0
15°	2111.9	2168.0	2095.9	2168.0	2160.0
17.5°	2111.9	2114.6	2127.9	2184.1	2194.8
20°	2114.6	2079.8	2136.0	2226.8	2218.8
22.5°	2119.9	2074.5	2152.0	2208.1	2160.0
25°	2122.6	2082.5	2176.1	2117.2	2047.7
27.5°	2122.6	2093.2	2146.6	1978.2	1863.3
30°	2122.6	2098.5	2042.4	1785.8	1657.4
32.5°	2133.3	2093.2	1882.0	1534.5	1395.5
35°	2149.3	2069.1	1668.1	1275.2	1170.9
37.5°	2170.7	2005.0	1416.8	1066.6	997.1
40°	2200.1	1866.0	1176.2	933.0	911.6
42.5°	2234.9	1662.8	978.4	866.1	866.1
45°	2269.6	1422.2	828.7	820.7	831.4
47.5°	2285.7	1186.9	745.8	775.3	785.9
50°	2258.9	967.7	684.4	724.5	729.8
52.5°	2165.4	772.6	614.9	663.0	676.3
55°	1994.3	614.9	548.0	598.8	601.5
57.5°	1745.7	489.2	478.5	518.6	515.9
60°	1459.6	395.6	401.0	441.1	441.1
62.5°	1152.2	320.8	336.8	371.6	368.9
65°	866.1	262.0	278.0	312.8	315.4
67.5°	638.9	216.5	235.2	259.3	254.0
70°	446.4	181.8	200.5	213.9	208.5
72.5°	296.7	155.1	176.4	181.8	179.1
75°	197.8	136.3	160.4	160.4	157.7
77.5°	128.3	120.3	149.7	147.0	141.7
80°	80.2	106.9	139.0	133.7	128.3
82.5°	48.1	93.6	131.0	125.6	120.3
85°	21.4	82.9	123.0	123.0	120.3
87.5°	8.0	74.9	115.0	117.6	112.3
90°	0.0	64.2	106.9	104.3	96.2
92.5°	0.0	58.8	96.2	88.2	82.9
95°	0.0	50.8	85.5	77.5	72.2
97.5°	0.0	45.4	77.5	69.5	64.2
100°	0.0	40.1	69.5	61.5	56.1
102.5°	0.0	34.8	64.2	56.1	53.5
105°	0.0	32.1	58.8	53.5	48.1
107.5°	0.0	29.4	53.5	48.1	45.4
110°	0.0	24.1	48.1	45.4	42.8



TEST NUMBER: P218095

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.4	42.8	42.8	42.8
115°	0.0	18.7	40.1	40.1	40.1
117.5°	0.0	16.0	34.8	40.1	40.1
120°	0.0	16.0	32.1	37.4	37.4
122.5°	0.0	13.4	29.4	37.4	37.4
125°	0.0	10.7	26.7	34.8	32.1
127.5°	0.0	8.0	24.1	29.4	29.4
130°	0.0	8.0	21.4	26.7	24.1
132.5°	0.0	5.3	18.7	21.4	21.4
135°	0.0	5.3	16.0	18.7	18.7
137.5°	0.0	5.3	13.4	16.0	13.4
140°	0.0	2.7	10.7	13.4	10.7
142.5°	0.0	2.7	10.7	13.4	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)