

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: P218094

Luminaire Tested: **4SNLED-LD5-52HL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218094  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5754.0 lumens  
Efficiency: N/A  
Efficacy: 155.5 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

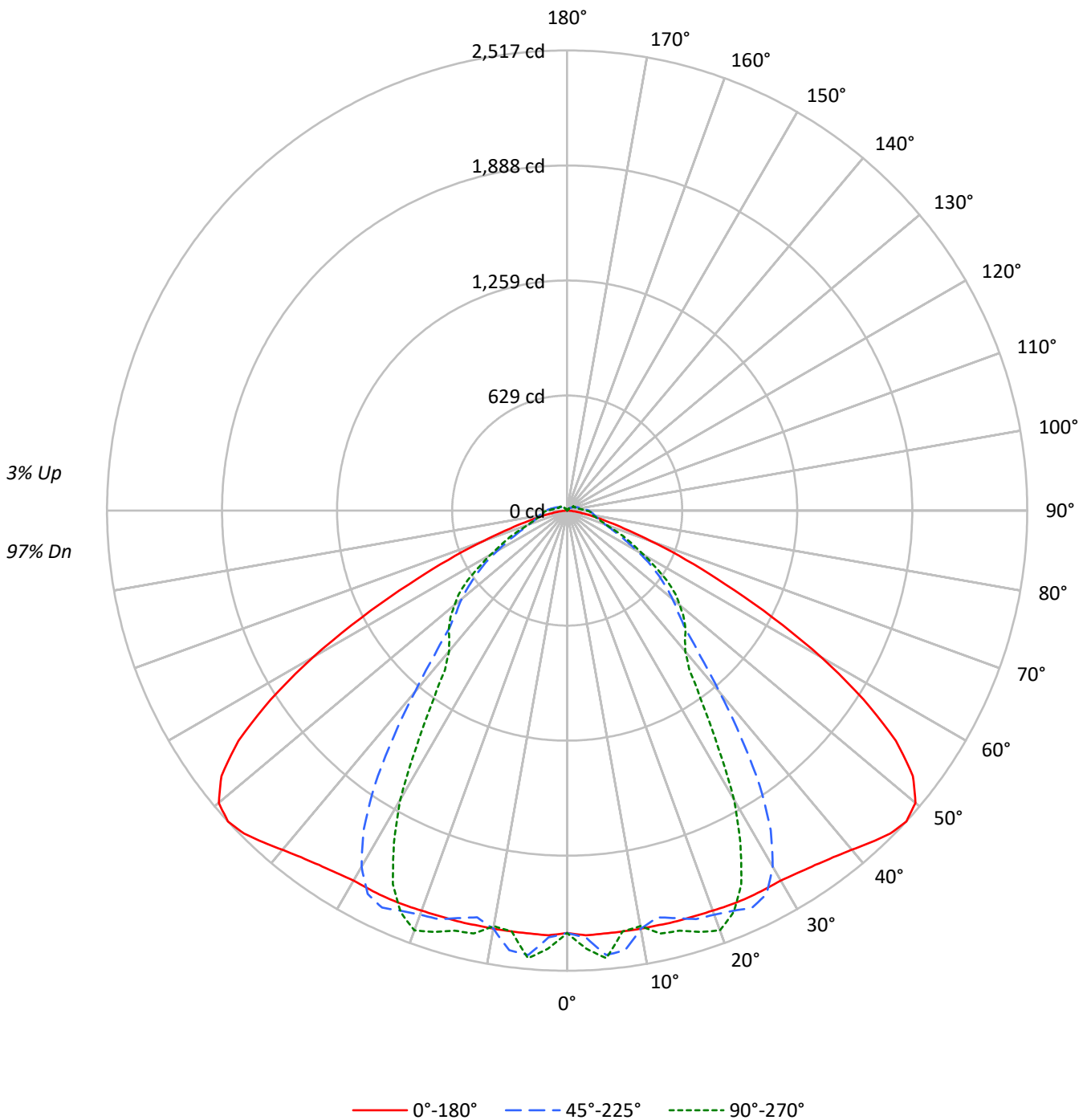
Input Watts (W): 37  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	37232	37232	37232
5°	37427	37079	36556
10°	37720	33630	32098
15°	38362	32150	31289
20°	39326	31802	30713
25°	40757	31707	27338
30°	42460	29356	21527
35°	45230	23836	14916
40°	49230	16836	11480
45°	54663	11973	10430
50°	59395	10059	9190
55°	58216	8261	7663
60°	48300	6252	5729
65°	33375	4524	4211
70°	20773	3440	2887
75°	11732	2933	2285
80°	6625	2744	1965
85°	2941	2658	1971



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.1	3.9
10°-20°	668.9	11.6
20°-30°	1062.9	18.5
30°-40°	1146.0	19.9
40°-50°	987.8	17.2
50°-60°	747.8	13.0
60°-70°	404.0	7.0
70°-80°	191.9	3.3
80°-90°	120.5	2.1
90°-100°	76.7	1.3
100°-110°	49.1	0.9
110°-120°	32.9	0.6
120°-130°	21.7	0.4
130°-140°	10.6	0.2
140°-150°	4.5	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1958.9	34.0
0°-40°	3105.0	54.0
0°-60°	4840.6	84.1
0°-90°	5556.9	96.6
90°-120°	158.6	2.8
90°-150°	195.4	3.4
90°-180°	197.0	3.4
0°-180°	5754.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2311	2311	2311	2311	2311	
5°	2322	2372	2440	2472	2458	222
15°	2325	2387	2308	2387	2378	659
25°	2337	2293	2396	2331	2255	1081
35°	2366	2278	1837	1404	1289	1491
45°	2499	1566	912	904	915	1924
55°	2196	677	603	659	662	1910
65°	954	288	306	344	347	979
75°	218	150	177	177	174	257
85°	24	91	135	135	132	34
90°	0	71	118	115	106	1
95°	0	56	94	85	80	0
105°	0	35	65	59	53	0
115°	0	21	44	44	44	0
125°	0	12	29	38	35	0
135°	0	6	18	21	21	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°	2310.6	2310.6	2310.6	2310.6	2310.6
2.5°	2325.3	2328.2	2337.0	2381.2	2398.9
5°	2322.3	2372.4	2440.1	2472.4	2457.7
7.5°	2322.3	2425.3	2425.3	2363.5	2322.3
10°	2322.3	2454.8	2322.3	2310.6	2307.6
12.5°	2322.3	2437.1	2278.2	2360.6	2369.4
15°	2325.3	2387.1	2307.6	2387.1	2378.2
17.5°	2325.3	2328.2	2342.9	2404.7	2416.5
20°	2328.2	2289.9	2351.8	2451.8	2443.0
22.5°	2334.1	2284.1	2369.4	2431.2	2378.2
25°	2337.0	2292.9	2395.9	2331.2	2254.6
27.5°	2337.0	2304.7	2363.5	2178.1	2051.5
30°	2337.0	2310.6	2248.7	1966.2	1824.9
32.5°	2348.8	2304.7	2072.1	1689.5	1536.4
35°	2366.5	2278.2	1836.7	1404.0	1289.2
37.5°	2390.0	2207.5	1560.0	1174.4	1097.9
40°	2422.4	2054.5	1295.1	1027.2	1003.7
42.5°	2460.7	1830.8	1077.3	953.7	953.7
45°	2498.9	1565.9	912.4	903.6	915.4
47.5°	2516.6	1306.9	821.2	853.6	865.4
50°	2487.2	1065.5	753.5	797.7	803.5
52.5°	2384.1	850.6	677.0	730.0	744.7
55°	2195.8	677.0	603.4	659.3	662.3
57.5°	1922.0	538.6	526.9	571.0	568.1
60°	1607.1	435.6	441.5	485.7	485.7
62.5°	1268.6	353.2	370.9	409.1	406.2
65°	953.7	288.5	306.1	344.4	347.3
67.5°	703.5	238.4	259.0	285.5	279.6
70°	491.5	200.1	220.8	235.5	229.6
72.5°	326.7	170.7	194.3	200.1	197.2
75°	217.8	150.1	176.6	176.6	173.7
77.5°	141.3	132.5	164.8	161.9	156.0
80°	88.3	117.7	153.1	147.2	141.3
82.5°	53.0	103.0	144.2	138.3	132.5
85°	23.5	91.2	135.4	135.4	132.5
87.5°	8.8	82.4	126.6	129.5	123.6
90°	0.0	70.6	117.7	114.8	106.0
92.5°	0.0	64.8	106.0	97.1	91.2
95°	0.0	55.9	94.2	85.4	79.5
97.5°	0.0	50.0	85.4	76.5	70.6
100°	0.0	44.2	76.5	67.7	61.8
102.5°	0.0	38.3	70.6	61.8	58.9
105°	0.0	35.3	64.8	58.9	53.0
107.5°	0.0	32.4	58.9	53.0	50.0
110°	0.0	26.5	53.0	50.0	47.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.5	47.1	47.1	47.1
115°	0.0	20.6	44.2	44.2	44.2
117.5°	0.0	17.7	38.3	44.2	44.2
120°	0.0	17.7	35.3	41.2	41.2
122.5°	0.0	14.7	32.4	41.2	41.2
125°	0.0	11.8	29.4	38.3	35.3
127.5°	0.0	8.8	26.5	32.4	32.4
130°	0.0	8.8	23.5	29.4	26.5
132.5°	0.0	5.9	20.6	23.5	23.5
135°	0.0	5.9	17.7	20.6	20.6
137.5°	0.0	5.9	14.7	17.7	14.7
140°	0.0	2.9	11.8	14.7	11.8
142.5°	0.0	2.9	11.8	14.7	11.8
145°	0.0	2.9	8.8	11.8	8.8
147.5°	0.0	2.9	5.9	8.8	8.8
150°	0.0	2.9	5.9	8.8	5.9
152.5°	0.0	2.9	5.9	5.9	2.9
155°	0.0	2.9	2.9	5.9	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)