

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: P218108

Luminaire Tested: **4SNLED-LD5-60HL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218108
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-LD5-60HL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5920.0 lumens
Efficiency: N/A
Efficacy: 137.7 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

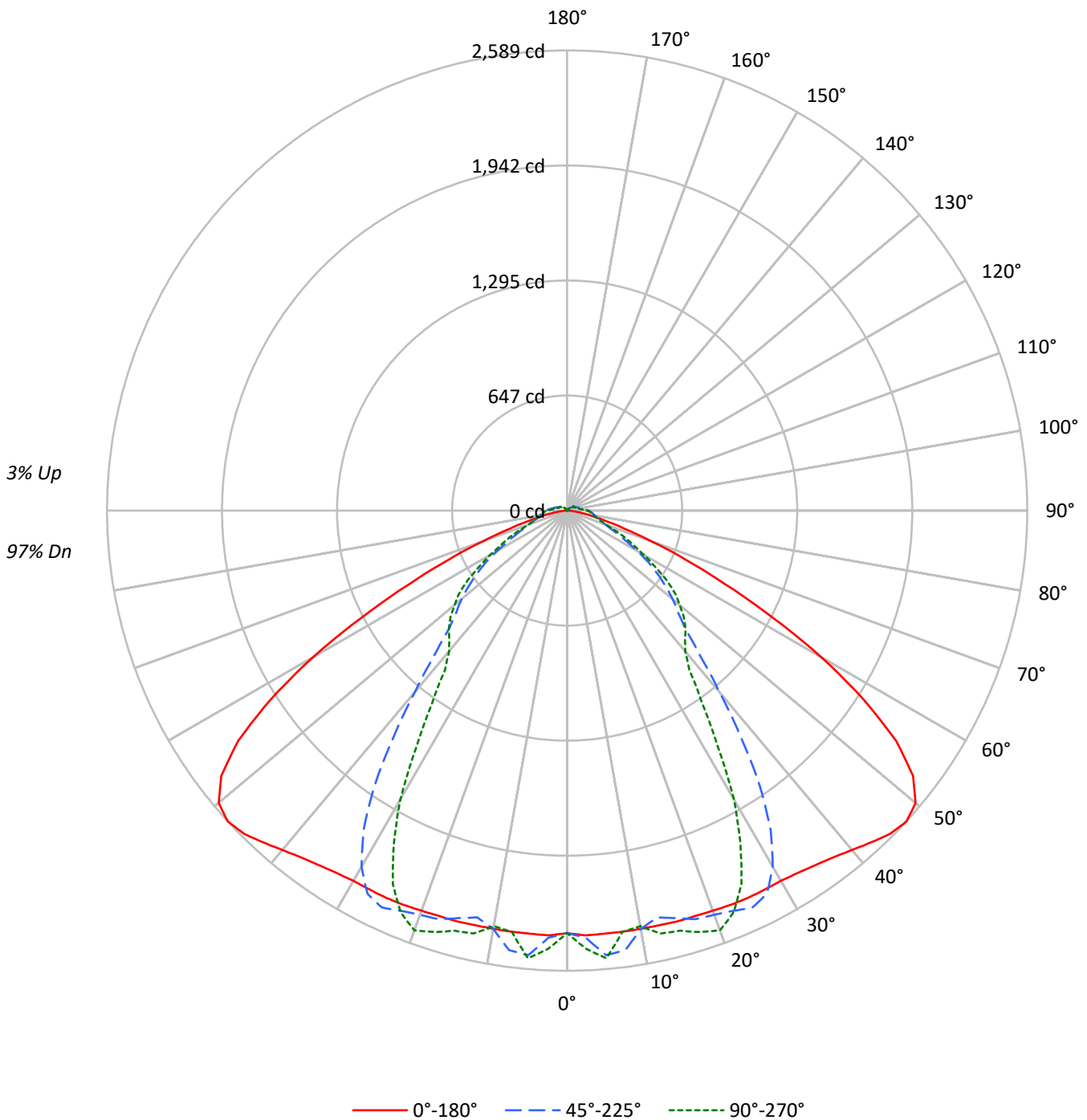
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	38305	38305	38305
5°	38507	38149	37610
10°	38809	34600	33024
15°	39469	33078	32193
20°	40461	32719	31600
25°	41934	32621	28127
30°	43686	30203	22147
35°	46533	24523	15346
40°	50651	17321	11810
45°	56240	12319	10731
50°	61107	10348	9455
55°	59894	8499	7884
60°	49691	6432	5894
65°	34337	4654	4332
70°	21373	3538	2969
75°	12071	3017	2351
80°	6813	2823	2022
85°	3029	2734	2027



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.7	3.9
10°-20°	688.2	11.6
20°-30°	1093.6	18.5
30°-40°	1179.1	19.9
40°-50°	1016.3	17.2
50°-60°	769.4	13.0
60°-70°	415.6	7.0
70°-80°	197.4	3.3
80°-90°	123.9	2.1
90°-100°	78.9	1.3
100°-110°	50.5	0.9
110°-120°	33.8	0.6
120°-130°	22.3	0.4
130°-140°	10.9	0.2
140°-150°	4.6	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2015.4	34.0
0°-40°	3194.5	54.0
0°-60°	4980.2	84.1
0°-90°	5717.2	96.6
90°-120°	163.1	2.8
90°-150°	201.0	3.4
90°-180°	203.0	3.4
0°-180°	5920.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2377	2377	2377	2377	2377	
5°	2389	2441	2510	2544	2529	228
15°	2392	2456	2374	2456	2447	678
25°	2404	2359	2465	2398	2320	1112
35°	2435	2344	1890	1444	1326	1534
45°	2571	1611	939	930	942	1979
55°	2259	696	621	678	681	1965
65°	981	297	315	354	357	1008
75°	224	154	182	182	179	264
85°	24	94	139	139	136	35
90°	0	73	121	118	109	1
95°	0	58	97	88	82	0
105°	0	36	67	61	54	0
115°	0	21	45	45	45	0
125°	0	12	30	39	36	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°	2377.2	2377.2	2377.2	2377.2	2377.2
2.5°	2392.4	2395.4	2404.5	2449.9	2468.1
5°	2389.3	2440.8	2510.5	2543.8	2528.6
7.5°	2389.3	2495.3	2495.3	2431.7	2389.3
10°	2389.3	2525.6	2389.3	2377.2	2374.2
12.5°	2389.3	2507.4	2343.9	2428.7	2437.8
15°	2392.4	2455.9	2374.2	2455.9	2446.9
17.5°	2392.4	2395.4	2410.5	2474.1	2486.2
20°	2395.4	2356.0	2419.6	2522.6	2513.5
22.5°	2401.4	2350.0	2437.8	2501.4	2446.9
25°	2404.5	2359.0	2465.0	2398.4	2319.7
27.5°	2404.5	2371.2	2431.7	2240.9	2110.7
30°	2404.5	2377.2	2313.6	2022.9	1877.5
32.5°	2416.6	2371.2	2131.9	1738.2	1580.8
35°	2434.7	2343.9	1889.7	1444.5	1326.4
37.5°	2459.0	2271.2	1605.0	1208.3	1129.6
40°	2492.3	2113.7	1332.4	1056.9	1032.6
42.5°	2531.7	1883.6	1108.4	981.2	981.2
45°	2571.0	1611.1	938.8	929.7	941.8
47.5°	2589.2	1344.6	844.9	878.2	890.3
50°	2558.9	1096.2	775.2	820.7	826.7
52.5°	2452.9	875.2	696.5	751.0	766.2
55°	2259.1	696.5	620.8	678.3	681.4
57.5°	1977.5	554.2	542.1	587.5	584.5
60°	1653.4	448.2	454.2	499.7	499.7
62.5°	1305.2	363.4	381.6	420.9	417.9
65°	981.2	296.8	314.9	354.3	357.3
67.5°	723.8	245.3	266.5	293.7	287.7
70°	505.7	205.9	227.1	242.3	236.2
72.5°	336.1	175.6	199.9	205.9	202.9
75°	224.1	154.4	181.7	181.7	178.7
77.5°	145.4	136.3	169.6	166.6	160.5
80°	90.8	121.1	157.5	151.4	145.4
82.5°	54.5	106.0	148.4	142.3	136.3
85°	24.2	93.9	139.3	139.3	136.3
87.5°	9.1	84.8	130.2	133.2	127.2
90°	0.0	72.7	121.1	118.1	109.0
92.5°	0.0	66.6	109.0	99.9	93.9
95°	0.0	57.5	96.9	87.8	81.8
97.5°	0.0	51.5	87.8	78.7	72.7
100°	0.0	45.4	78.7	69.7	63.6
102.5°	0.0	39.4	72.7	63.6	60.6
105°	0.0	36.3	66.6	60.6	54.5
107.5°	0.0	33.3	60.6	54.5	51.5
110°	0.0	27.3	54.5	51.5	48.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.2	48.5	48.5	48.5
115°	0.0	21.2	45.4	45.4	45.4
117.5°	0.0	18.2	39.4	45.4	45.4
120°	0.0	18.2	36.3	42.4	42.4
122.5°	0.0	15.1	33.3	42.4	42.4
125°	0.0	12.1	30.3	39.4	36.3
127.5°	0.0	9.1	27.3	33.3	33.3
130°	0.0	9.1	24.2	30.3	27.3
132.5°	0.0	6.1	21.2	24.2	24.2
135°	0.0	6.1	18.2	21.2	21.2
137.5°	0.0	6.1	15.1	18.2	15.1
140°	0.0	3.0	12.1	15.1	12.1
142.5°	0.0	3.0	12.1	15.1	12.1
145°	0.0	3.0	9.1	12.1	9.1
147.5°	0.0	3.0	6.1	9.1	9.1
150°	0.0	3.0	6.1	9.1	6.1
152.5°	0.0	3.0	6.1	6.1	3.0
155°	0.0	3.0	3.0	6.1	3.0
157.5°	0.0	3.0	3.0	3.0	3.0
160°	3.0	3.0	3.0	3.0	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)