

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: P218119

Luminaire Tested: **4SNLED-LD5-76HL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218119
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-LD5-76HL-LC-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7247.0 lumens
Efficiency: N/A
Efficacy: 117.3 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

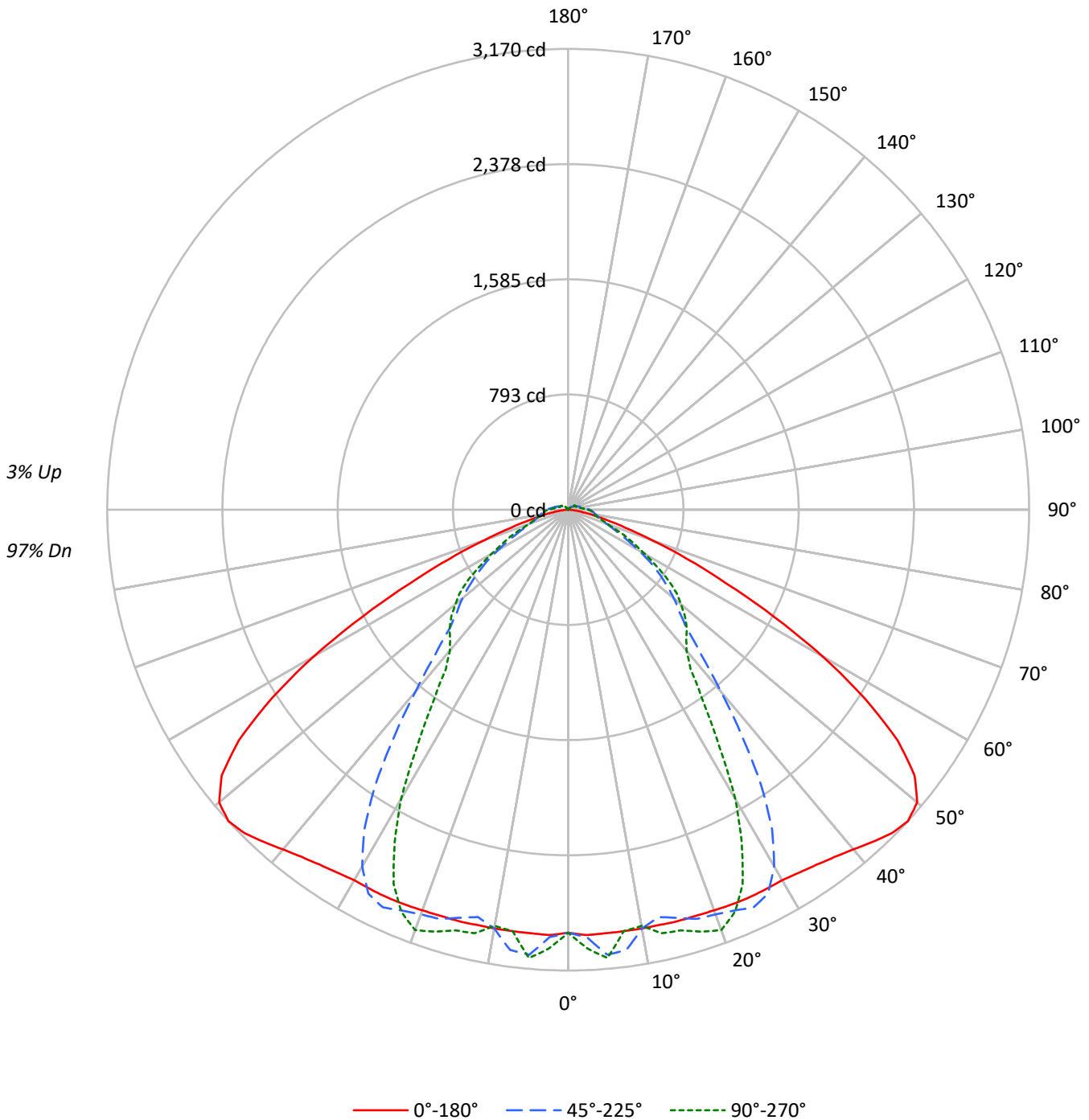
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	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	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	72	68	64	62		
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	65	60	57	54		
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	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	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	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	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	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	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46892	46892	46892
5°	47139	46700	46041
10°	47508	42356	40427
15°	48315	40492	39408
20°	49530	40053	38683
25°	51333	39934	34431
30°	53477	36973	27112
35°	56965	30019	18786
40°	62003	21204	14458
45°	68847	15080	13136
50°	74805	12668	11575
55°	73320	10405	9650
60°	60832	7875	7216
65°	42032	5698	5304
70°	26166	4331	3636
75°	14775	3693	2877
80°	8343	3455	2475
85°	3717	3346	2481



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.0	3.9
10°-20°	842.5	11.6
20°-30°	1338.7	18.5
30°-40°	1443.4	19.9
40°-50°	1244.1	17.2
50°-60°	941.9	13.0
60°-70°	508.8	7.0
70°-80°	241.7	3.3
80°-90°	151.7	2.1
90°-100°	96.6	1.3
100°-110°	61.8	0.9
110°-120°	41.4	0.6
120°-130°	27.3	0.4
130°-140°	13.3	0.2
140°-150°	5.7	0.1
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2467.2	34.0
0°-40°	3910.6	54.0
0°-60°	6096.6	84.1
0°-90°	6998.8	96.6
90°-120°	199.7	2.8
90°-150°	246.0	3.4
90°-180°	248.0	3.4
0°-180°	7247.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2910	2910	2910	2910	2910	
5°	2925	2988	3073	3114	3095	279
15°	2929	3006	2906	3006	2995	830
25°	2943	2888	3018	2936	2840	1361
35°	2980	2869	2313	1768	1624	1877
45°	3147	1972	1149	1138	1153	2423
55°	2766	853	760	830	834	2405
65°	1201	363	386	434	437	1233
75°	274	189	222	222	219	323
85°	30	115	170	170	167	43
90°	0	89	148	145	134	2
95°	0	70	119	108	100	0
105°	0	44	82	74	67	0
115°	0	26	56	56	56	0
125°	0	15	37	48	44	0
135°	0	7	22	26	26	0
145°	0	4	11	15	11	0
155°	0	4	4	7	4	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°	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2928.6	2932.3	2943.4	2999.0	3021.3
5°	2924.9	2987.9	3073.2	3114.0	3095.4
7.5°	2924.9	3054.7	3054.7	2976.8	2924.9
10°	2924.9	3091.7	2924.9	2910.1	2906.4
12.5°	2924.9	3069.5	2869.3	2973.1	2984.2
15°	2928.6	3006.5	2906.4	3006.5	2995.3
17.5°	2928.6	2932.3	2950.9	3028.7	3043.5
20°	2932.3	2884.1	2962.0	3088.0	3076.9
22.5°	2939.7	2876.7	2984.2	3062.1	2995.3
25°	2943.4	2887.8	3017.6	2936.0	2839.6
27.5°	2943.4	2902.7	2976.8	2743.3	2583.8
30°	2943.4	2910.1	2832.2	2476.3	2298.4
32.5°	2958.3	2902.7	2609.8	2127.9	1935.1
35°	2980.5	2869.3	2313.2	1768.3	1623.7
37.5°	3010.2	2780.3	1964.8	1479.1	1382.7
40°	3050.9	2587.6	1631.1	1293.8	1264.1
42.5°	3099.1	2305.8	1356.8	1201.1	1201.1
45°	3147.3	1972.2	1149.2	1138.1	1152.9
47.5°	3169.6	1646.0	1034.3	1075.1	1089.9
50°	3132.5	1342.0	949.0	1004.6	1012.0
52.5°	3002.8	1071.4	852.6	919.4	937.9
55°	2765.5	852.6	760.0	830.4	834.1
57.5°	2420.7	678.4	663.6	719.2	715.5
60°	2024.1	548.7	556.1	611.7	611.7
62.5°	1597.8	444.9	467.1	515.3	511.6
65°	1201.1	363.3	385.5	433.7	437.4
67.5°	886.0	300.3	326.2	359.6	352.2
70°	619.1	252.1	278.0	296.6	289.2
72.5°	411.5	215.0	244.7	252.1	248.4
75°	274.3	189.1	222.4	222.4	218.7
77.5°	177.9	166.8	207.6	203.9	196.5
80°	111.2	148.3	192.8	185.4	177.9
82.5°	66.7	129.7	181.6	174.2	166.8
85°	29.7	114.9	170.5	170.5	166.8
87.5°	11.1	103.8	159.4	163.1	155.7
90°	0.0	89.0	148.3	144.6	133.5
92.5°	0.0	81.6	133.5	122.3	114.9
95°	0.0	70.4	118.6	107.5	100.1
97.5°	0.0	63.0	107.5	96.4	89.0
100°	0.0	55.6	96.4	85.3	77.8
102.5°	0.0	48.2	89.0	77.8	74.1
105°	0.0	44.5	81.6	74.1	66.7
107.5°	0.0	40.8	74.1	66.7	63.0
110°	0.0	33.4	66.7	63.0	59.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.7	59.3	59.3	59.3
115°	0.0	25.9	55.6	55.6	55.6
117.5°	0.0	22.2	48.2	55.6	55.6
120°	0.0	22.2	44.5	51.9	51.9
122.5°	0.0	18.5	40.8	51.9	51.9
125°	0.0	14.8	37.1	48.2	44.5
127.5°	0.0	11.1	33.4	40.8	40.8
130°	0.0	11.1	29.7	37.1	33.4
132.5°	0.0	7.4	25.9	29.7	29.7
135°	0.0	7.4	22.2	25.9	25.9
137.5°	0.0	7.4	18.5	22.2	18.5
140°	0.0	3.7	14.8	18.5	14.8
142.5°	0.0	3.7	14.8	18.5	14.8
145°	0.0	3.7	11.1	14.8	11.1
147.5°	0.0	3.7	7.4	11.1	11.1
150°	0.0	3.7	7.4	11.1	7.4
152.5°	0.0	3.7	7.4	7.4	3.7
155°	0.0	3.7	3.7	7.4	3.7
157.5°	0.0	3.7	3.7	3.7	3.7
160°	3.7	3.7	3.7	3.7	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)