

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: P218110

Luminaire Tested: **4SNLED-LD5-60HL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218110
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6532.0 lumens
Efficiency: N/A
Efficacy: 151.9 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

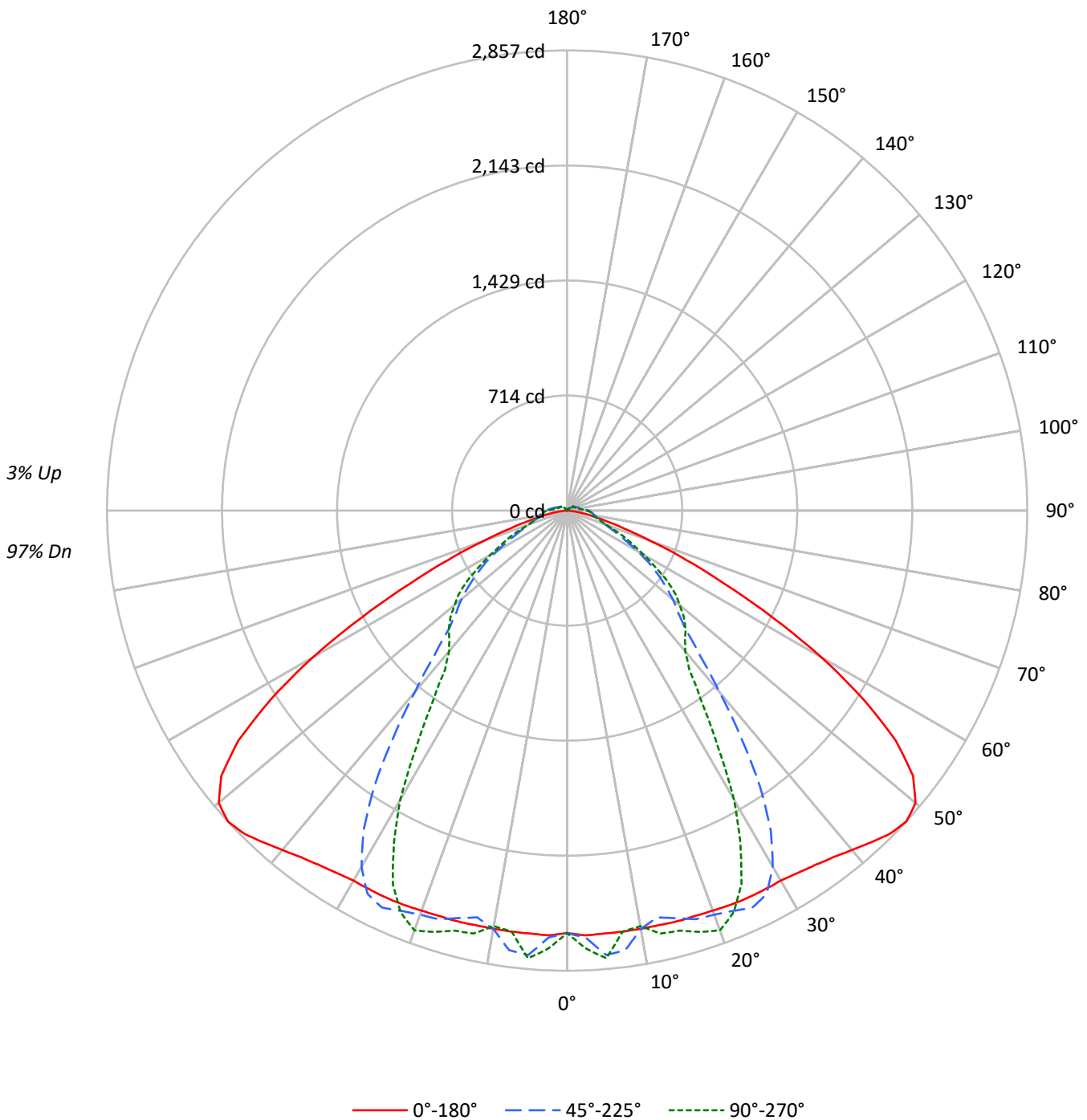
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	42266	42266	42266
5°	42487	42093	41498
10°	42821	38177	36438
15°	43548	36497	35521
20°	44643	36101	34866
25°	46268	35994	31035
30°	48201	33325	24437
35°	51344	27058	16932
40°	55886	19112	13032
45°	62055	13592	11841
50°	67423	11419	10433
55°	66085	9378	8698
60°	54831	7097	6503
65°	37886	5136	4781
70°	23584	3904	3276
75°	13321	3330	2593
80°	7518	3115	2231
85°	3342	3017	2237



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.8	3.9
10°-20°	759.4	11.6
20°-30°	1206.6	18.5
30°-40°	1301.0	19.9
40°-50°	1121.3	17.2
50°-60°	848.9	13.0
60°-70°	458.6	7.0
70°-80°	217.8	3.3
80°-90°	136.8	2.1
90°-100°	87.0	1.3
100°-110°	55.7	0.9
110°-120°	37.3	0.6
120°-130°	24.6	0.4
130°-140°	12.0	0.2
140°-150°	5.1	0.1
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2223.8	34.0
0°-40°	3524.8	54.0
0°-60°	5495.1	84.1
0°-90°	6308.3	96.6
90°-120°	180.0	2.8
90°-150°	221.8	3.4
90°-180°	224.0	3.4
0°-180°	6532.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2623	2623	2623	2623	2623	
5°	2636	2693	2770	2807	2790	252
15°	2640	2710	2620	2710	2700	748
25°	2653	2603	2720	2646	2560	1227
35°	2686	2586	2085	1594	1464	1692
45°	2837	1778	1036	1026	1039	2184
55°	2493	768	685	748	752	2168
65°	1083	328	348	391	394	1112
75°	247	170	200	200	197	291
85°	27	104	154	154	150	39
90°	0	80	134	130	120	1
95°	0	64	107	97	90	0
105°	0	40	74	67	60	0
115°	0	23	50	50	50	0
125°	0	13	33	43	40	0
135°	0	7	20	23	23	0
145°	0	3	10	13	10	0
155°	0	3	3	7	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°	2623.0	2623.0	2623.0	2623.0	2623.0
2.5°	2639.7	2643.0	2653.0	2703.2	2723.2
5°	2636.3	2693.1	2770.0	2806.7	2790.0
7.5°	2636.3	2753.3	2753.3	2683.1	2636.3
10°	2636.3	2786.7	2636.3	2623.0	2619.6
12.5°	2636.3	2766.6	2586.2	2679.8	2689.8
15°	2639.7	2709.8	2619.6	2709.8	2699.8
17.5°	2639.7	2643.0	2659.7	2729.9	2743.3
20°	2643.0	2599.6	2669.7	2783.3	2773.3
22.5°	2649.7	2592.9	2689.8	2760.0	2699.8
25°	2653.0	2602.9	2719.9	2646.4	2559.5
27.5°	2653.0	2616.3	2683.1	2472.6	2328.9
30°	2653.0	2623.0	2552.8	2232.0	2071.6
32.5°	2666.4	2616.3	2352.3	1917.9	1744.2
35°	2686.4	2586.2	2085.0	1593.8	1463.5
37.5°	2713.2	2506.0	1770.9	1333.2	1246.3
40°	2749.9	2332.3	1470.2	1166.1	1139.4
42.5°	2793.4	2078.3	1222.9	1082.6	1082.6
45°	2836.8	1777.6	1035.8	1025.8	1039.2
47.5°	2856.9	1483.6	932.2	969.0	982.4
50°	2823.4	1209.6	855.4	905.5	912.2
52.5°	2706.5	965.7	768.5	828.7	845.4
55°	2492.6	768.5	685.0	748.5	751.8
57.5°	2181.9	611.5	598.1	648.2	644.9
60°	1824.4	494.5	501.2	551.3	551.3
62.5°	1440.1	401.0	421.0	464.4	461.1
65°	1082.6	327.5	347.5	390.9	394.3
67.5°	798.6	270.6	294.0	324.1	317.4
70°	558.0	227.2	250.6	267.3	260.6
72.5°	370.9	193.8	220.5	227.2	223.9
75°	247.3	170.4	200.5	200.5	197.1
77.5°	160.4	150.4	187.1	183.8	177.1
80°	100.2	133.7	173.8	167.1	160.4
82.5°	60.1	116.9	163.7	157.0	150.4
85°	26.7	103.6	153.7	153.7	150.4
87.5°	10.0	93.6	143.7	147.0	140.3
90°	0.0	80.2	133.7	130.3	120.3
92.5°	0.0	73.5	120.3	110.3	103.6
95°	0.0	63.5	106.9	96.9	90.2
97.5°	0.0	56.8	96.9	86.9	80.2
100°	0.0	50.1	86.9	76.9	70.2
102.5°	0.0	43.4	80.2	70.2	66.8
105°	0.0	40.1	73.5	66.8	60.1
107.5°	0.0	36.8	66.8	60.1	56.8
110°	0.0	30.1	60.1	56.8	53.5



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CATALOG NUMBER: 4SNLED-LD5-60HL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.7	53.5	53.5	53.5
115°	0.0	23.4	50.1	50.1	50.1
117.5°	0.0	20.0	43.4	50.1	50.1
120°	0.0	20.0	40.1	46.8	46.8
122.5°	0.0	16.7	36.8	46.8	46.8
125°	0.0	13.4	33.4	43.4	40.1
127.5°	0.0	10.0	30.1	36.8	36.8
130°	0.0	10.0	26.7	33.4	30.1
132.5°	0.0	6.7	23.4	26.7	26.7
135°	0.0	6.7	20.0	23.4	23.4
137.5°	0.0	6.7	16.7	20.0	16.7
140°	0.0	3.3	13.4	16.7	13.4
142.5°	0.0	3.3	13.4	16.7	13.4
145°	0.0	3.3	10.0	13.4	10.0
147.5°	0.0	3.3	6.7	10.0	10.0
150°	0.0	3.3	6.7	10.0	6.7
152.5°	0.0	3.3	6.7	6.7	3.3
155°	0.0	3.3	3.3	6.7	3.3
157.5°	0.0	3.3	3.3	3.3	3.3
160°	3.3	3.3	3.3	3.3	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)