

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: P218230

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218230  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-60HL-LN-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6341.0 lumens  
Efficiency: N/A  
Efficacy: 147.5 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

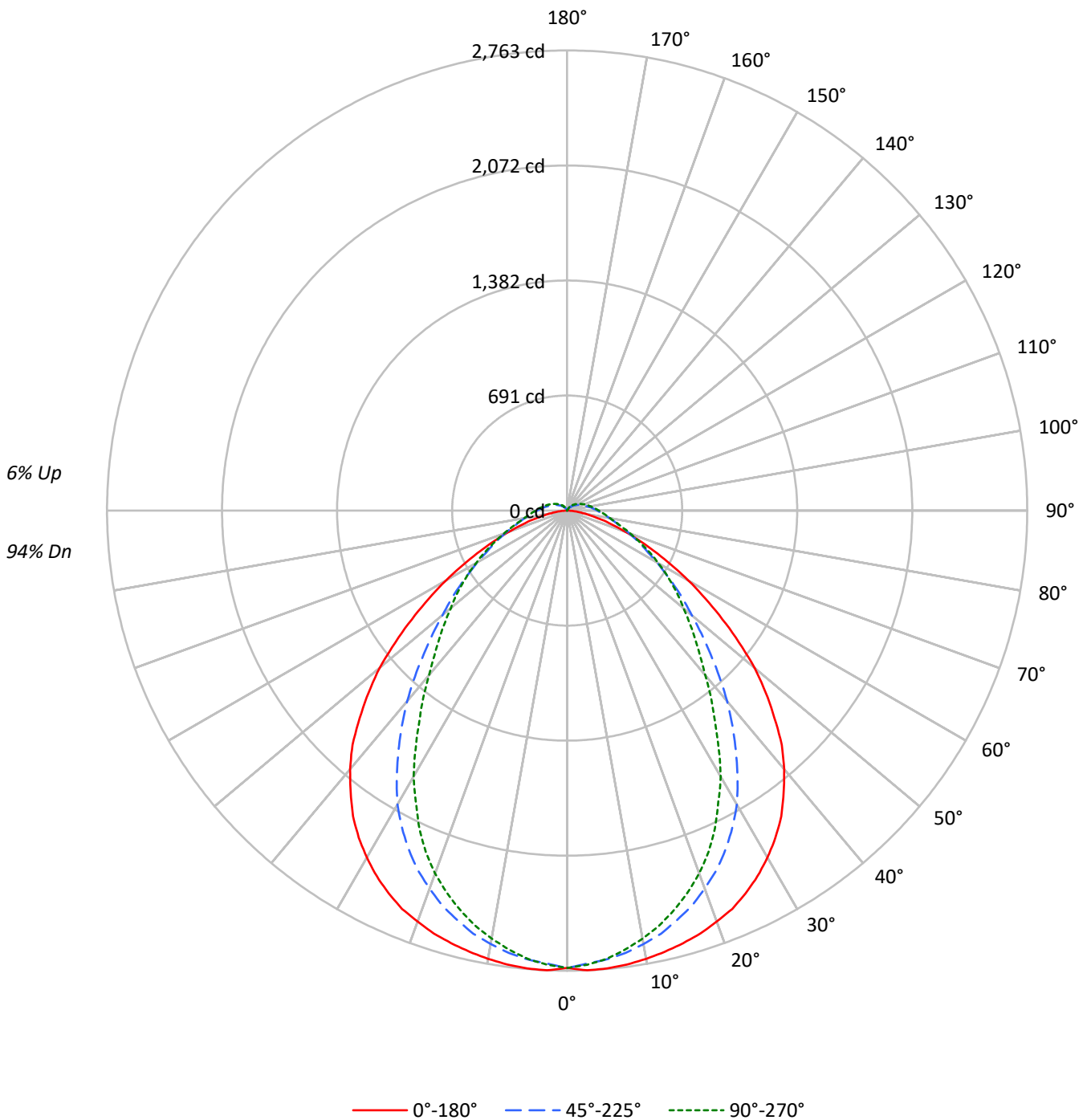
Input Watts (W): 43  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	44250	44250	44250
5°	44473	41120	40200
10°	44388	38268	36293
15°	44367	35467	32658
20°	44354	32662	29148
25°	44222	29755	25480
30°	43702	26604	21753
35°	42844	22935	17896
40°	41213	19412	14749
45°	38513	15956	12372
50°	35102	13022	10431
55°	30203	10748	8890
60°	25302	8799	7448
65°	20108	7307	6157
70°	15672	6142	5082
75°	11877	5214	4219
80°	8268	4610	3625
85°	5019	4196	3280



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.2	4.1
10°-20°	724.6	11.4
20°-30°	1049.2	16.5
30°-40°	1142.0	18.0
40°-50°	1014.2	16.0
50°-60°	772.0	12.2
60°-70°	512.6	8.1
70°-80°	312.3	4.9
80°-90°	193.5	3.1
90°-100°	132.2	2.1
100°-110°	92.8	1.5
110°-120°	63.2	1.0
120°-130°	40.1	0.6
130°-140°	22.8	0.4
140°-150°	10.7	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2032.0	32.0
0°-40°	3173.9	50.1
0°-60°	4960.1	78.2
0°-90°	5978.5	94.3
90°-120°	288.2	4.5
90°-150°	361.7	5.7
90°-180°	362.0	5.7
0°-180°	6341.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2746	2746	2746	2746	2746	
5°	2760	2743	2706	2719	2703	262
15°	2689	2643	2546	2516	2482	760
25°	2536	2422	2248	2158	2101	1168
35°	2242	2041	1767	1614	1547	1396
45°	1761	1497	1216	1112	1086	1356
55°	1139	925	785	772	768	1022
65°	575	494	494	514	508	579
75°	220	251	314	331	321	238
85°	40	127	214	227	220	48
90°	0	94	180	197	190	3
95°	0	74	154	170	167	0
105°	0	47	110	127	127	0
115°	0	30	80	97	94	0
125°	0	20	54	67	67	0
135°	0	13	37	47	47	0
145°	0	7	20	27	27	0
155°	0	0	0	0	0	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°	2746.1	2746.1	2746.1	2746.1	2746.1
2.5°	2762.8	2749.5	2722.7	2739.5	2729.4
5°	2759.5	2742.8	2706.0	2719.4	2702.7
7.5°	2749.5	2729.4	2679.3	2686.0	2659.3
10°	2732.8	2706.0	2642.6	2635.9	2609.2
12.5°	2712.7	2679.3	2602.5	2579.1	2552.4
15°	2689.3	2642.6	2545.7	2515.6	2482.2
17.5°	2662.6	2599.1	2488.9	2442.1	2405.4
20°	2625.9	2549.0	2415.4	2358.6	2318.5
22.5°	2589.1	2488.9	2338.6	2261.7	2218.3
25°	2535.7	2422.1	2248.4	2158.2	2101.4
27.5°	2475.5	2345.2	2148.1	2031.2	1967.7
30°	2405.4	2255.0	2037.9	1900.9	1844.1
32.5°	2328.5	2154.8	1904.3	1757.3	1693.8
35°	2241.7	2041.2	1767.3	1613.6	1546.8
37.5°	2134.8	1917.6	1630.3	1473.3	1419.8
40°	2027.9	1787.3	1493.3	1346.3	1289.5
42.5°	1907.6	1643.7	1353.0	1219.4	1179.3
45°	1760.6	1496.7	1216.0	1112.5	1085.8
47.5°	1616.9	1346.3	1092.4	1018.9	995.6
50°	1469.9	1199.3	975.5	928.7	912.0
52.5°	1299.6	1055.7	878.6	848.6	841.9
55°	1139.2	925.4	785.1	771.7	768.4
57.5°	985.5	801.8	698.2	708.2	701.6
60°	841.9	688.2	621.4	634.8	631.4
62.5°	701.6	584.6	551.2	578.0	571.3
65°	574.6	494.4	494.4	514.5	507.8
67.5°	464.4	420.9	441.0	461.0	454.3
70°	370.8	354.1	394.2	410.9	404.2
72.5°	287.3	297.3	347.4	367.5	357.5
75°	220.5	250.6	314.0	330.7	320.7
77.5°	157.0	210.5	284.0	297.3	287.3
80°	110.2	177.1	257.2	270.6	260.6
82.5°	70.2	150.3	233.9	247.2	240.5
85°	40.1	127.0	213.8	227.2	220.5
87.5°	20.0	110.2	193.8	210.5	203.8
90°	0.0	93.5	180.4	197.1	190.4
92.5°	0.0	83.5	167.0	183.7	177.1
95°	0.0	73.5	153.7	170.4	167.0
97.5°	0.0	66.8	143.7	160.4	153.7
100°	0.0	56.8	130.3	147.0	143.7
102.5°	0.0	53.5	120.3	137.0	133.6
105°	0.0	46.8	110.2	127.0	127.0
107.5°	0.0	43.4	103.6	120.3	116.9
110°	0.0	36.7	93.5	110.2	110.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.4	86.9	103.6	100.2
115°	0.0	30.1	80.2	96.9	93.5
117.5°	0.0	30.1	73.5	86.9	86.9
120°	0.0	26.7	66.8	80.2	80.2
122.5°	0.0	23.4	60.1	73.5	73.5
125°	0.0	20.0	53.5	66.8	66.8
127.5°	0.0	20.0	50.1	63.5	63.5
130°	0.0	16.7	43.4	56.8	56.8
132.5°	0.0	13.4	40.1	50.1	50.1
135°	0.0	13.4	36.7	46.8	46.8
137.5°	0.0	10.0	30.1	40.1	40.1
140°	0.0	10.0	26.7	36.7	36.7
142.5°	0.0	6.7	23.4	33.4	30.1
145°	0.0	6.7	20.0	26.7	26.7
147.5°	0.0	3.3	16.7	23.4	23.4
150°	0.0	3.3	13.4	20.0	16.7
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)