

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: P218042

Luminaire Tested: **2SNLED-LD5-18SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218042  
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: 2SNLED-LD5-18SL-LC-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2254.0 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

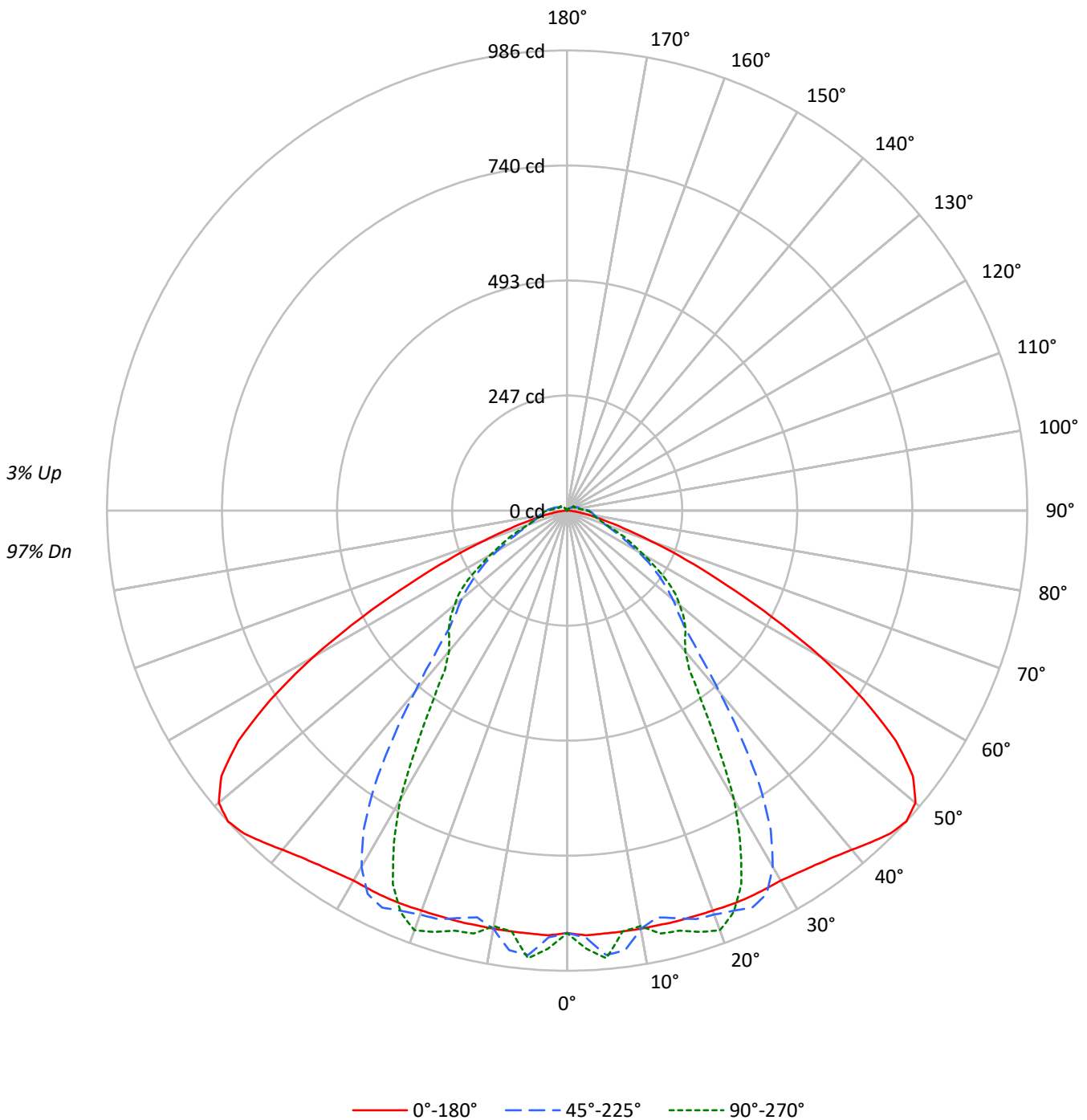
Input Watts (W): 15.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

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

	0°	45°	90°
0°	29169	29169	29169
5°	29216	28978	28641
10°	29337	26226	25149
15°	29726	25024	24514
20°	30355	24704	24063
25°	31334	24588	21418
30°	32502	22728	16866
35°	34456	18423	11686
40°	37306	12991	8995
45°	41176	9223	8172
50°	44427	7736	7201
55°	43177	6343	6002
60°	35448	4792	4487
65°	24163	3459	3301
70°	14761	2625	2260
75°	8098	2233	1789
80°	4358	2083	1538
85°	1741	2009	1544



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.0	3.9
10°-20°	262.0	11.6
20°-30°	416.4	18.5
30°-40°	448.9	19.9
40°-50°	386.9	17.2
50°-60°	292.9	13.0
60°-70°	158.3	7.0
70°-80°	75.2	3.3
80°-90°	47.2	2.1
90°-100°	30.0	1.3
100°-110°	19.2	0.9
110°-120°	12.9	0.6
120°-130°	8.5	0.4
130°-140°	4.2	0.2
140°-150°	1.8	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	767.4	34.0
0°-40°	1216.3	54.0
0°-60°	1896.2	84.1
0°-90°	2176.8	96.6
90°-120°	62.1	2.8
90°-150°	76.5	3.4
90°-180°	77.0	3.4
0°-180°	2254.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	905	905	905	905	905	
5°	910	929	956	968	963	87
15°	911	935	904	935	932	258
25°	916	898	938	913	883	423
35°	927	892	720	550	505	584
45°	979	613	357	354	359	754
55°	860	265	236	258	259	748
65°	374	113	120	135	136	384
75°	85	59	69	69	68	100
85°	9	36	53	53	52	13
90°	0	28	46	45	42	0
95°	0	22	37	33	31	0
105°	0	14	25	23	21	0
115°	0	8	17	17	17	0
125°	0	5	12	15	14	0
135°	0	2	7	8	8	0
145°	0	1	4	5	4	0
155°	0	1	1	2	1	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°	905.1	905.1	905.1	905.1	905.1
2.5°	910.9	912.0	915.5	932.8	939.7
5°	909.7	929.3	955.8	968.5	962.8
7.5°	909.7	950.1	950.1	925.9	909.7
10°	909.7	961.6	909.7	905.1	904.0
12.5°	909.7	954.7	892.4	924.7	928.2
15°	910.9	935.1	904.0	935.1	931.6
17.5°	910.9	912.0	917.8	942.0	946.6
20°	912.0	897.0	921.2	960.5	957.0
22.5°	914.3	894.7	928.2	952.4	931.6
25°	915.5	898.2	938.5	913.2	883.2
27.5°	915.5	902.8	925.9	853.2	803.6
30°	915.5	905.1	880.9	770.2	714.9
32.5°	920.1	902.8	811.7	661.8	601.9
35°	927.0	892.4	719.5	550.0	505.0
37.5°	936.2	864.8	611.1	460.0	430.1
40°	948.9	804.8	507.3	402.4	393.2
42.5°	963.9	717.2	422.0	373.6	373.6
45°	978.9	613.4	357.4	354.0	358.6
47.5°	985.8	511.9	321.7	334.4	339.0
50°	974.3	417.4	295.2	312.5	314.8
52.5°	933.9	333.2	265.2	285.9	291.7
55°	860.1	265.2	236.4	258.3	259.4
57.5°	752.9	211.0	206.4	223.7	222.5
60°	629.5	170.6	173.0	190.2	190.2
62.5°	496.9	138.4	145.3	160.3	159.1
65°	373.6	113.0	119.9	134.9	136.1
67.5°	275.6	93.4	101.5	111.8	109.5
70°	192.6	78.4	86.5	92.2	89.9
72.5°	128.0	66.9	76.1	78.4	77.3
75°	85.3	58.8	69.2	69.2	68.0
77.5°	55.3	51.9	64.6	63.4	61.1
80°	34.6	46.1	60.0	57.7	55.3
82.5°	20.8	40.4	56.5	54.2	51.9
85°	9.2	35.7	53.0	53.0	51.9
87.5°	3.5	32.3	49.6	50.7	48.4
90°	0.0	27.7	46.1	45.0	41.5
92.5°	0.0	25.4	41.5	38.0	35.7
95°	0.0	21.9	36.9	33.4	31.1
97.5°	0.0	19.6	33.4	30.0	27.7
100°	0.0	17.3	30.0	26.5	24.2
102.5°	0.0	15.0	27.7	24.2	23.1
105°	0.0	13.8	25.4	23.1	20.8
107.5°	0.0	12.7	23.1	20.8	19.6
110°	0.0	10.4	20.8	19.6	18.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.2	18.4	18.4	18.4
115°	0.0	8.1	17.3	17.3	17.3
117.5°	0.0	6.9	15.0	17.3	17.3
120°	0.0	6.9	13.8	16.1	16.1
122.5°	0.0	5.8	12.7	16.1	16.1
125°	0.0	4.6	11.5	15.0	13.8
127.5°	0.0	3.5	10.4	12.7	12.7
130°	0.0	3.5	9.2	11.5	10.4
132.5°	0.0	2.3	8.1	9.2	9.2
135°	0.0	2.3	6.9	8.1	8.1
137.5°	0.0	2.3	5.8	6.9	5.8
140°	0.0	1.2	4.6	5.8	4.6
142.5°	0.0	1.2	4.6	5.8	4.6
145°	0.0	1.2	3.5	4.6	3.5
147.5°	0.0	1.2	2.3	3.5	3.5
150°	0.0	1.2	2.3	3.5	2.3
152.5°	0.0	1.2	2.3	2.3	1.2
155°	0.0	1.2	1.2	2.3	1.2
157.5°	0.0	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	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)