

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: P218041

Luminaire Tested: **2SNLED-LD5-18SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218041  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2084.0 lumens  
Efficiency: N/A  
Efficacy: 131.1 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

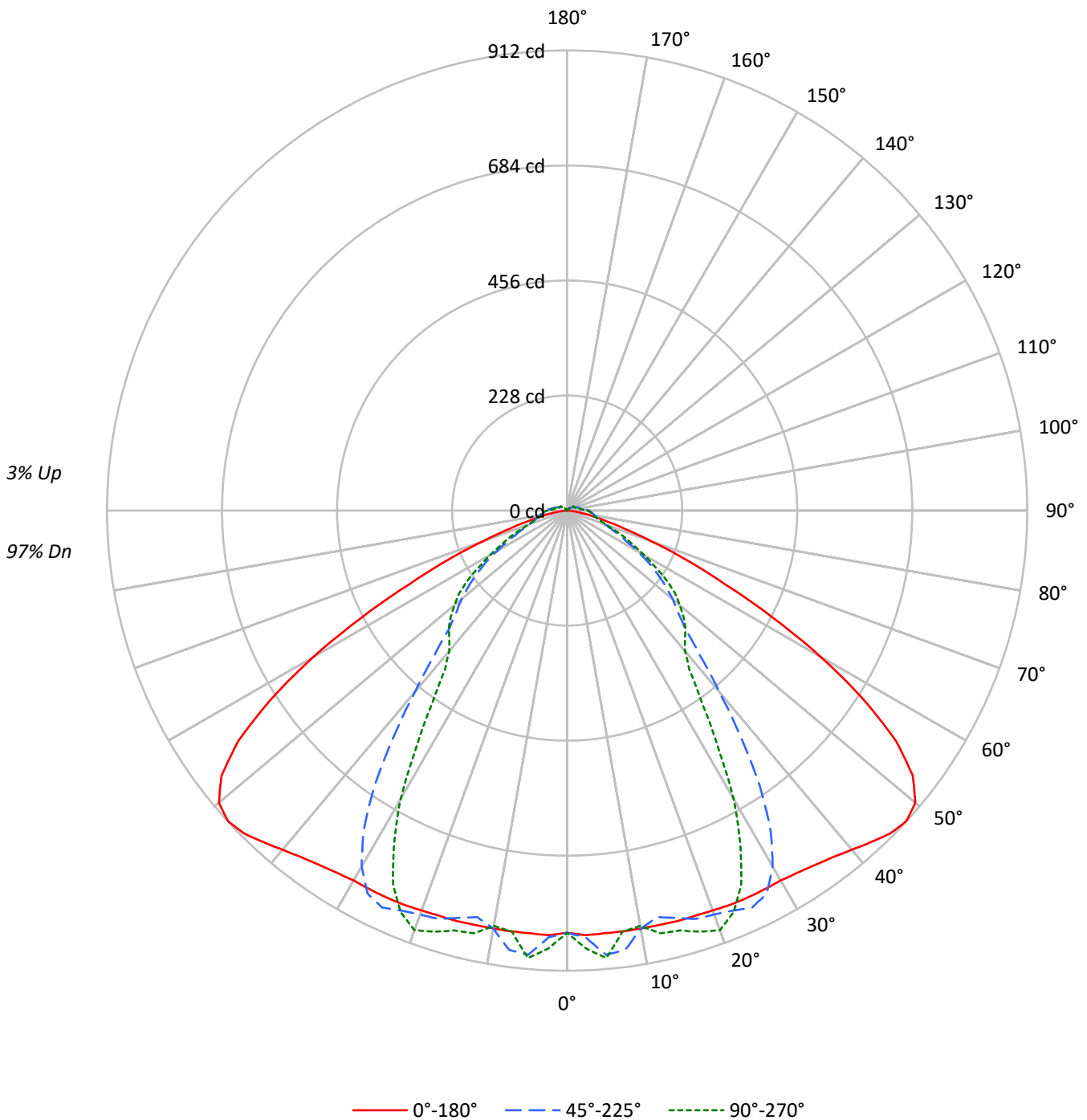
Input Watts (W): 15.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	26968	26968	26968
5°	27013	26792	26479
10°	27125	24249	23251
15°	27484	23136	22666
20°	28065	22843	22247
25°	28969	22735	19803
30°	30048	21014	15592
35°	31858	17033	10804
40°	34495	12012	8315
45°	38072	8529	7554
50°	41076	7152	6657
55°	39924	5862	5551
60°	32778	4429	4150
65°	22339	3200	3051
70°	13642	2428	2092
75°	7490	2065	1655
80°	4030	1924	1424
85°	1608	1857	1428



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.3	3.9
10°-20°	242.3	11.6
20°-30°	385.0	18.5
30°-40°	415.1	19.9
40°-50°	357.8	17.2
50°-60°	270.8	13.0
60°-70°	146.3	7.0
70°-80°	69.5	3.3
80°-90°	43.6	2.1
90°-100°	27.8	1.3
100°-110°	17.8	0.9
110°-120°	11.9	0.6
120°-130°	7.8	0.4
130°-140°	3.8	0.2
140°-150°	1.6	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	709.5	34.0
0°-40°	1124.6	54.0
0°-60°	1753.2	84.1
0°-90°	2012.6	96.6
90°-120°	57.4	2.8
90°-150°	70.8	3.4
90°-180°	71.0	3.4
0°-180°	2084.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	837	837	837	837	837	
5°	841	859	884	896	890	80
15°	842	865	836	865	861	239
25°	846	830	868	844	817	392
35°	857	825	665	508	467	540
45°	905	567	330	327	332	697
55°	795	245	218	239	240	692
65°	345	104	111	125	126	355
75°	79	54	64	64	63	93
85°	8	33	49	49	48	12
90°	0	26	43	42	38	0
95°	0	20	34	31	29	0
105°	0	13	24	21	19	0
115°	0	8	16	16	16	0
125°	0	4	11	14	13	0
135°	0	2	6	8	8	0
145°	0	1	3	4	3	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°	836.8	836.8	836.8	836.8	836.8
2.5°	842.2	843.2	846.4	862.4	868.8
5°	841.1	859.2	883.7	895.5	890.1
7.5°	841.1	878.4	878.4	856.0	841.1
10°	841.1	889.1	841.1	836.8	835.8
12.5°	841.1	882.7	825.1	855.0	858.2
15°	842.2	864.6	835.8	864.6	861.4
17.5°	842.2	843.2	848.6	871.0	875.2
20°	843.2	829.4	851.8	888.0	884.8
22.5°	845.4	827.2	858.2	880.5	861.4
25°	846.4	830.4	867.8	844.3	816.6
27.5°	846.4	834.7	856.0	788.9	743.0
30°	846.4	836.8	814.5	712.1	660.9
32.5°	850.7	834.7	750.5	611.9	556.5
35°	857.1	825.1	665.2	508.5	466.9
37.5°	865.6	799.5	565.0	425.4	397.6
40°	877.4	744.1	469.1	372.0	363.5
42.5°	891.2	663.1	390.2	345.4	345.4
45°	905.1	567.1	330.5	327.3	331.5
47.5°	911.5	473.3	297.4	309.2	313.4
50°	900.8	385.9	272.9	288.9	291.0
52.5°	863.5	308.1	245.2	264.4	269.7
55°	795.3	245.2	218.5	238.8	239.9
57.5°	696.1	195.1	190.8	206.8	205.7
60°	582.1	157.8	159.9	175.9	175.9
62.5°	459.5	127.9	134.3	148.2	147.1
65°	345.4	104.5	110.9	124.7	125.8
67.5°	254.8	86.3	93.8	103.4	101.3
70°	178.0	72.5	80.0	85.3	83.2
72.5°	118.3	61.8	70.4	72.5	71.4
75°	78.9	54.4	64.0	64.0	62.9
77.5°	51.2	48.0	59.7	58.6	56.5
80°	32.0	42.6	55.4	53.3	51.2
82.5°	19.2	37.3	52.2	50.1	48.0
85°	8.5	33.0	49.0	49.0	48.0
87.5°	3.2	29.8	45.8	46.9	44.8
90°	0.0	25.6	42.6	41.6	38.4
92.5°	0.0	23.5	38.4	35.2	33.0
95°	0.0	20.3	34.1	30.9	28.8
97.5°	0.0	18.1	30.9	27.7	25.6
100°	0.0	16.0	27.7	24.5	22.4
102.5°	0.0	13.9	25.6	22.4	21.3
105°	0.0	12.8	23.5	21.3	19.2
107.5°	0.0	11.7	21.3	19.2	18.1
110°	0.0	9.6	19.2	18.1	17.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	8.5	17.1	17.1	17.1
115°	0.0	7.5	16.0	16.0	16.0
117.5°	0.0	6.4	13.9	16.0	16.0
120°	0.0	6.4	12.8	14.9	14.9
122.5°	0.0	5.3	11.7	14.9	14.9
125°	0.0	4.3	10.7	13.9	12.8
127.5°	0.0	3.2	9.6	11.7	11.7
130°	0.0	3.2	8.5	10.7	9.6
132.5°	0.0	2.1	7.5	8.5	8.5
135°	0.0	2.1	6.4	7.5	7.5
137.5°	0.0	2.1	5.3	6.4	5.3
140°	0.0	1.1	4.3	5.3	4.3
142.5°	0.0	1.1	4.3	5.3	4.3
145°	0.0	1.1	3.2	4.3	3.2
147.5°	0.0	1.1	2.1	3.2	3.2
150°	0.0	1.1	2.1	3.2	2.1
152.5°	0.0	1.1	2.1	2.1	1.1
155°	0.0	1.1	1.1	2.1	1.1
157.5°	0.0	1.1	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	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)