

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: P218161

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218161
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: 2SNLED-LD5-18SL-LN-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2023.0 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

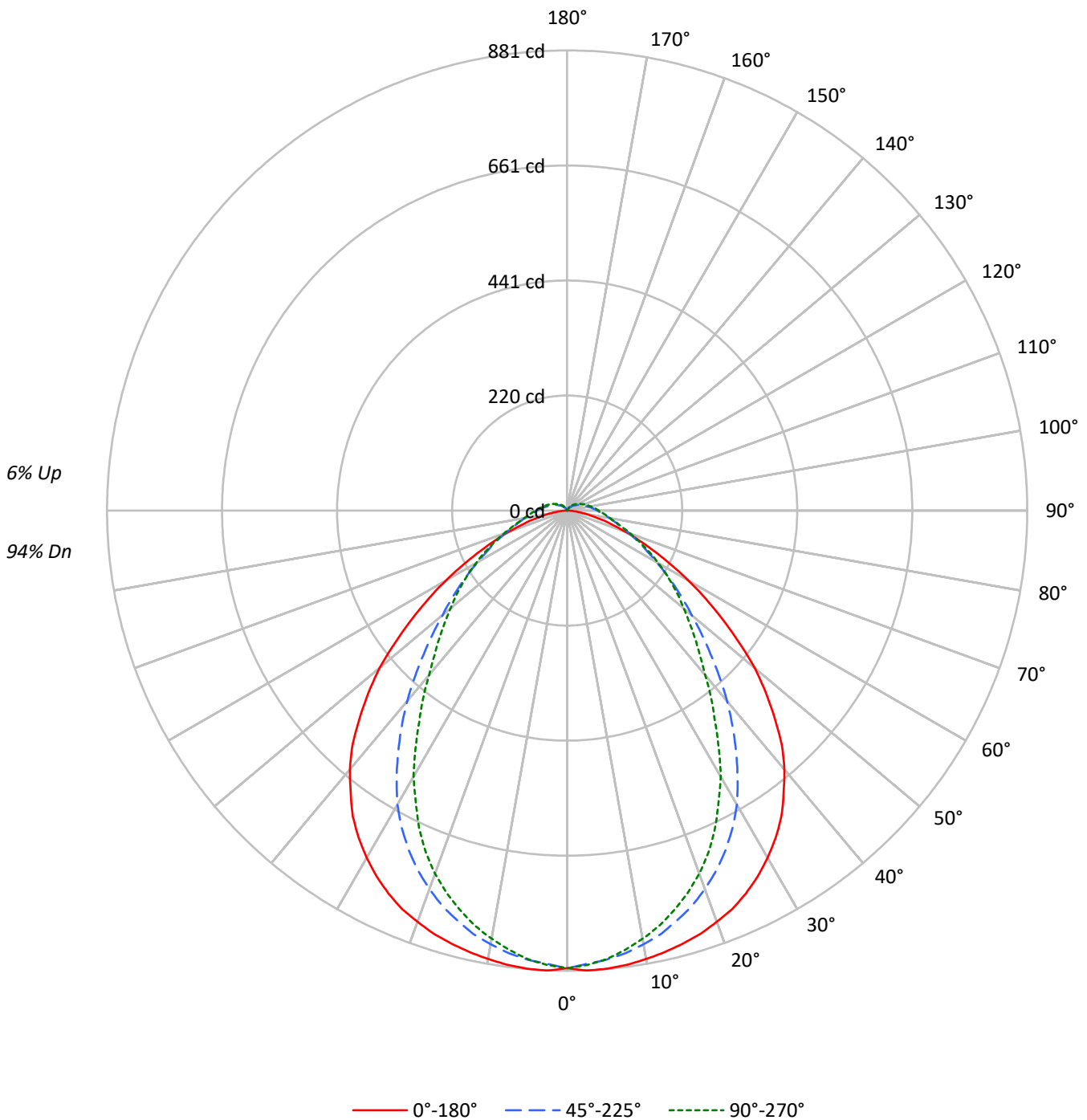
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	28234	28234	28234
5°	28275	26174	25652
10°	28115	24306	23157
15°	28000	22483	20838
20°	27882	20665	18599
25°	27689	18793	16258
30°	27244	16775	13879
35°	26583	14437	11419
40°	25437	12199	9411
45°	23627	10013	7894
50°	21386	8156	6657
55°	18243	6721	5672
60°	15125	5490	4751
65°	11855	4550	3929
70°	9067	3818	3244
75°	6674	3233	2692
80°	4433	2851	2312
85°	2422	2585	2091



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	4.1
10°-20°	231.2	11.4
20°-30°	334.7	16.5
30°-40°	364.3	18.0
40°-50°	323.6	16.0
50°-60°	246.3	12.2
60°-70°	163.5	8.1
70°-80°	99.6	4.9
80°-90°	61.7	3.1
90°-100°	42.2	2.1
100°-110°	29.6	1.5
110°-120°	20.2	1.0
120°-130°	12.8	0.6
130°-140°	7.3	0.4
140°-150°	3.4	0.2
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	648.3	32.0
0°-40°	1012.6	50.1
0°-60°	1582.4	78.2
0°-90°	1907.4	94.3
90°-120°	91.9	4.5
90°-150°	115.4	5.7
90°-180°	116.0	5.7
0°-180°	2023.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	880	875	863	868	862	84
15°	858	843	812	803	792	242
25°	809	773	717	688	670	372
35°	715	651	564	515	494	446
45°	562	478	388	355	346	433
55°	363	295	250	246	245	326
65°	183	158	158	164	162	185
75°	70	80	100	106	102	76
85°	13	40	68	72	70	15
90°	0	30	58	63	61	1
95°	0	23	49	54	53	0
105°	0	15	35	40	40	0
115°	0	10	26	31	30	0
125°	0	6	17	21	21	0
135°	0	4	12	15	15	0
145°	0	2	6	8	8	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°	876.1	876.1	876.1	876.1	876.1
2.5°	881.4	877.2	868.7	874.0	870.8
5°	880.4	875.0	863.3	867.6	862.3
7.5°	877.2	870.8	854.8	856.9	848.4
10°	871.8	863.3	843.1	840.9	832.4
12.5°	865.5	854.8	830.3	822.8	814.3
15°	858.0	843.1	812.2	802.6	791.9
17.5°	849.5	829.2	794.0	779.1	767.4
20°	837.7	813.2	770.6	752.5	739.7
22.5°	826.0	794.0	746.1	721.6	707.7
25°	809.0	772.7	717.3	688.5	670.4
27.5°	789.8	748.2	685.3	648.0	627.8
30°	767.4	719.4	650.2	606.5	588.3
32.5°	742.9	687.5	607.5	560.6	540.4
35°	715.2	651.2	563.8	514.8	493.5
37.5°	681.1	611.8	520.1	470.0	453.0
40°	647.0	570.2	476.4	429.5	411.4
42.5°	608.6	524.4	431.7	389.0	376.2
45°	561.7	477.5	388.0	354.9	346.4
47.5°	515.9	429.5	348.5	325.1	317.6
50°	469.0	382.6	311.2	296.3	291.0
52.5°	414.6	336.8	280.3	270.7	268.6
55°	363.4	295.2	250.5	246.2	245.1
57.5°	314.4	255.8	222.8	226.0	223.8
60°	268.6	219.6	198.2	202.5	201.4
62.5°	223.8	186.5	175.9	184.4	182.3
65°	183.3	157.7	157.7	164.1	162.0
67.5°	148.2	134.3	140.7	147.1	145.0
70°	118.3	113.0	125.8	131.1	129.0
72.5°	91.7	94.9	110.8	117.2	114.0
75°	70.3	79.9	100.2	105.5	102.3
77.5°	50.1	67.1	90.6	94.9	91.7
80°	35.2	56.5	82.1	86.3	83.1
82.5°	22.4	48.0	74.6	78.9	76.7
85°	12.8	40.5	68.2	72.5	70.3
87.5°	6.4	35.2	61.8	67.1	65.0
90°	0.0	29.8	57.6	62.9	60.8
92.5°	0.0	26.6	53.3	58.6	56.5
95°	0.0	23.4	49.0	54.4	53.3
97.5°	0.0	21.3	45.8	51.2	49.0
100°	0.0	18.1	41.6	46.9	45.8
102.5°	0.0	17.1	38.4	43.7	42.6
105°	0.0	14.9	35.2	40.5	40.5
107.5°	0.0	13.9	33.0	38.4	37.3
110°	0.0	11.7	29.8	35.2	35.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	10.7	27.7	33.0	32.0
115°	0.0	9.6	25.6	30.9	29.8
117.5°	0.0	9.6	23.4	27.7	27.7
120°	0.0	8.5	21.3	25.6	25.6
122.5°	0.0	7.5	19.2	23.4	23.4
125°	0.0	6.4	17.1	21.3	21.3
127.5°	0.0	6.4	16.0	20.3	20.3
130°	0.0	5.3	13.9	18.1	18.1
132.5°	0.0	4.3	12.8	16.0	16.0
135°	0.0	4.3	11.7	14.9	14.9
137.5°	0.0	3.2	9.6	12.8	12.8
140°	0.0	3.2	8.5	11.7	11.7
142.5°	0.0	2.1	7.5	10.7	9.6
145°	0.0	2.1	6.4	8.5	8.5
147.5°	0.0	1.1	5.3	7.5	7.5
150°	0.0	1.1	4.3	6.4	5.3
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)