

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: P218159

Luminaire Tested: **2SNLED-LD5-18SL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218159
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1867.0 lumens
Efficiency: N/A
Efficacy: 117.4 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

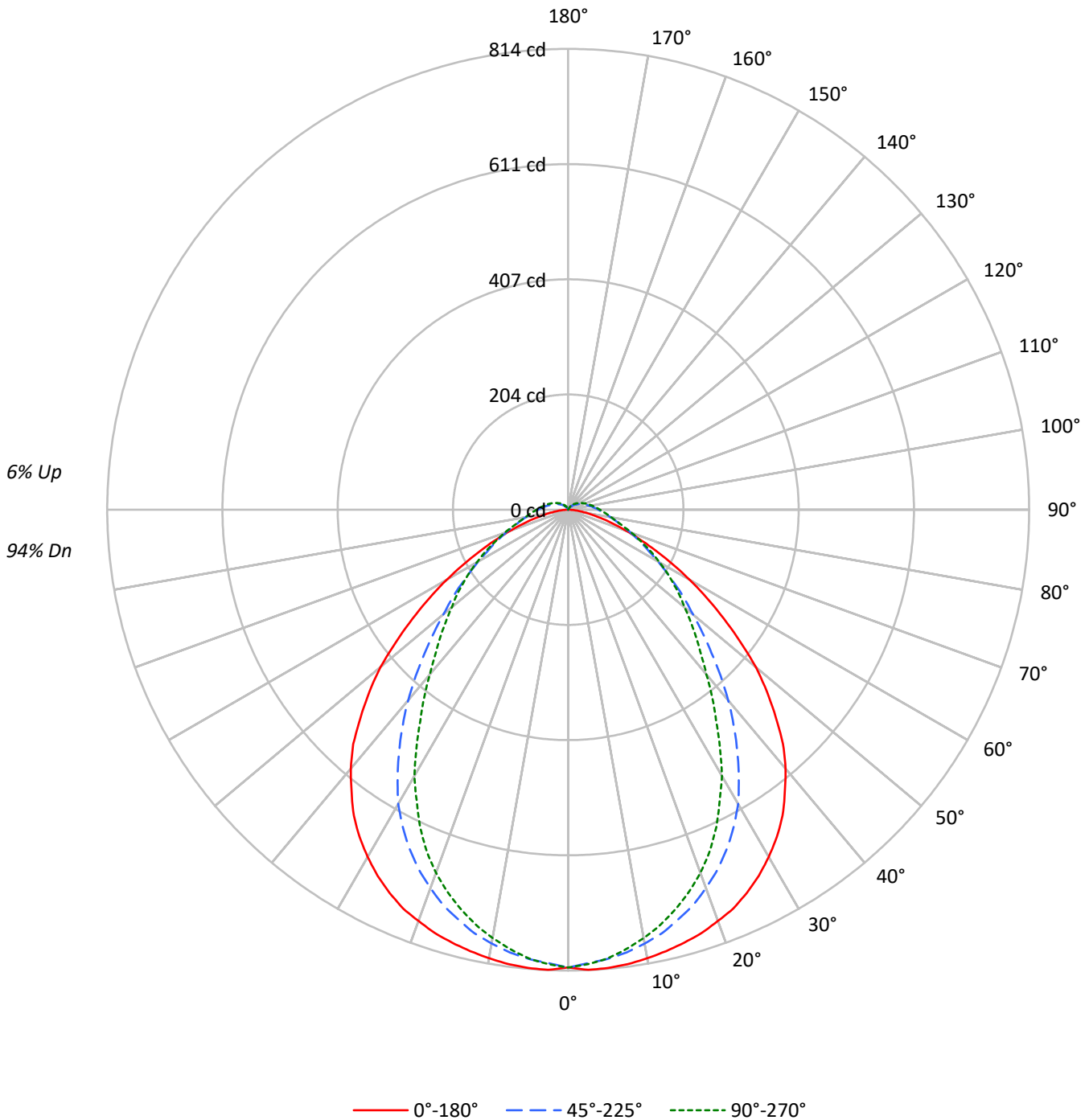
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	26059	26059	26059
5°	26094	24154	23673
10°	25948	22432	21371
15°	25840	20747	19230
20°	25732	19073	17163
25°	25553	17344	15004
30°	25142	15480	12810
35°	24532	13323	10538
40°	23475	11260	8686
45°	21806	9238	7285
50°	19735	7527	6142
55°	16837	6203	5234
60°	13959	5069	4386
65°	10943	4201	3625
70°	8369	3523	2992
75°	6161	2984	2484
80°	4093	2628	2134
85°	2233	2388	1931



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	4.1
10°-20°	213.3	11.4
20°-30°	308.9	16.5
30°-40°	336.2	18.0
40°-50°	298.6	16.0
50°-60°	227.3	12.2
60°-70°	150.9	8.1
70°-80°	92.0	4.9
80°-90°	57.0	3.1
90°-100°	38.9	2.1
100°-110°	27.3	1.5
110°-120°	18.6	1.0
120°-130°	11.8	0.6
130°-140°	6.7	0.4
140°-150°	3.2	0.2
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	598.3	32.0
0°-40°	934.5	50.1
0°-60°	1460.4	78.2
0°-90°	1760.3	94.3
90°-120°	84.8	4.5
90°-150°	106.5	5.7
90°-180°	107.0	5.7
0°-180°	1867.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	809	809	809	809	809	
5°	812	808	797	801	796	77
15°	792	778	750	741	731	224
25°	747	713	662	635	619	344
35°	660	601	520	475	455	411
45°	518	441	358	328	320	399
55°	335	272	231	227	226	301
65°	169	146	146	152	150	171
75°	65	74	92	97	94	70
85°	12	37	63	67	65	14
90°	0	28	53	58	56	1
95°	0	22	45	50	49	0
105°	0	14	32	37	37	0
115°	0	9	24	28	28	0
125°	0	6	16	20	20	0
135°	0	4	11	14	14	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°	808.6	808.6	808.6	808.6	808.6
2.5°	813.5	809.5	801.7	806.6	803.6
5°	812.5	807.6	796.7	800.7	795.8
7.5°	809.5	803.6	788.9	790.8	783.0
10°	804.6	796.7	778.1	776.1	768.2
12.5°	798.7	788.9	766.3	759.4	751.5
15°	791.8	778.1	749.5	740.7	730.8
17.5°	784.0	765.3	732.8	719.0	708.2
20°	773.1	750.5	711.2	694.5	682.6
22.5°	762.3	732.8	688.5	665.9	653.1
25°	746.6	713.1	662.0	635.4	618.7
27.5°	728.9	690.5	632.5	598.1	579.4
30°	708.2	664.0	600.0	559.7	543.0
32.5°	685.6	634.4	560.7	517.4	498.7
35°	660.0	601.0	520.3	475.1	455.4
37.5°	628.5	564.6	480.0	433.8	418.0
40°	597.1	526.2	439.7	396.4	379.7
42.5°	561.7	484.0	398.4	359.0	347.2
45°	518.4	440.7	358.0	327.6	319.7
47.5°	476.1	396.4	321.7	300.0	293.1
50°	432.8	353.1	287.2	273.5	268.5
52.5°	382.6	310.8	258.7	249.8	247.9
55°	335.4	272.5	231.2	227.2	226.2
57.5°	290.2	236.1	205.6	208.5	206.6
60°	247.9	202.6	183.0	186.9	185.9
62.5°	206.6	172.1	162.3	170.2	168.2
65°	169.2	145.6	145.6	151.5	149.5
67.5°	136.7	123.9	129.8	135.7	133.8
70°	109.2	104.3	116.1	121.0	119.0
72.5°	84.6	87.5	102.3	108.2	105.2
75°	64.9	73.8	92.5	97.4	94.4
77.5°	46.2	62.0	83.6	87.5	84.6
80°	32.5	52.1	75.7	79.7	76.7
82.5°	20.7	44.3	68.9	72.8	70.8
85°	11.8	37.4	63.0	66.9	64.9
87.5°	5.9	32.5	57.1	62.0	60.0
90°	0.0	27.5	53.1	58.0	56.1
92.5°	0.0	24.6	49.2	54.1	52.1
95°	0.0	21.6	45.2	50.2	49.2
97.5°	0.0	19.7	42.3	47.2	45.2
100°	0.0	16.7	38.4	43.3	42.3
102.5°	0.0	15.7	35.4	40.3	39.3
105°	0.0	13.8	32.5	37.4	37.4
107.5°	0.0	12.8	30.5	35.4	34.4
110°	0.0	10.8	27.5	32.5	32.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.8	25.6	30.5	29.5
115°	0.0	8.9	23.6	28.5	27.5
117.5°	0.0	8.9	21.6	25.6	25.6
120°	0.0	7.9	19.7	23.6	23.6
122.5°	0.0	6.9	17.7	21.6	21.6
125°	0.0	5.9	15.7	19.7	19.7
127.5°	0.0	5.9	14.8	18.7	18.7
130°	0.0	4.9	12.8	16.7	16.7
132.5°	0.0	3.9	11.8	14.8	14.8
135°	0.0	3.9	10.8	13.8	13.8
137.5°	0.0	3.0	8.9	11.8	11.8
140°	0.0	3.0	7.9	10.8	10.8
142.5°	0.0	2.0	6.9	9.8	8.9
145°	0.0	2.0	5.9	7.9	7.9
147.5°	0.0	1.0	4.9	6.9	6.9
150°	0.0	1.0	3.9	5.9	4.9
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)