

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: P218178

Luminaire Tested: **4SNLED-LD5-18SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218178
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-LD5-18SL-LN-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2094.0 lumens
Efficiency: N/A
Efficacy: 143.4 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

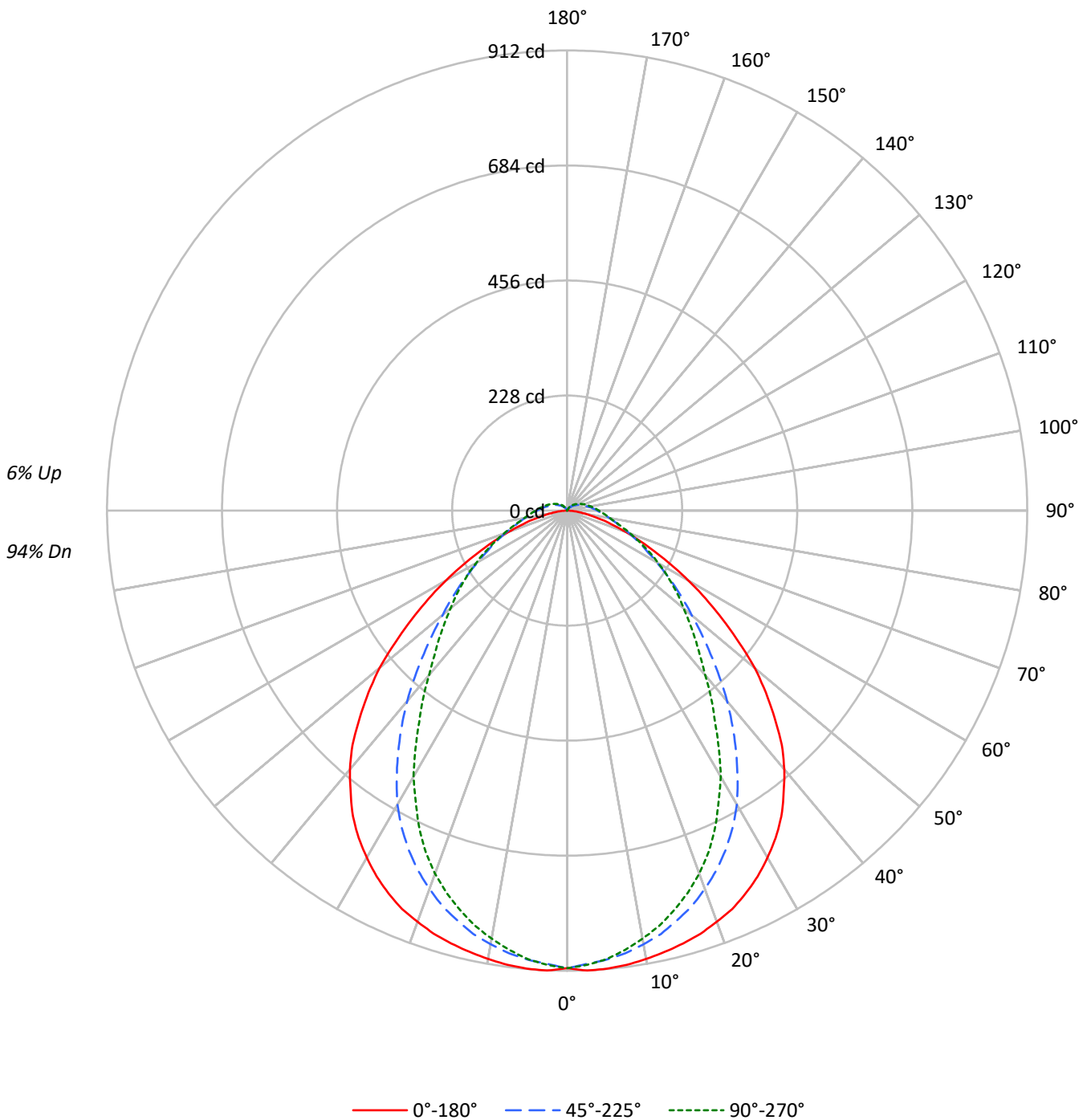
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	14613	14613	14613
5°	14687	13579	13275
10°	14657	12638	11985
15°	14651	11713	10785
20°	14646	10785	9625
25°	14604	9826	8414
30°	14431	8786	7184
35°	14149	7574	5910
40°	13610	6410	4870
45°	12718	5270	4086
50°	11591	4300	3445
55°	9974	3550	2935
60°	8355	2906	2459
65°	6642	2414	2033
70°	5177	2029	1678
75°	3921	1722	1393
80°	2731	1522	1198
85°	1652	1386	1083



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	4.1
10°-20°	239.3	11.4
20°-30°	346.5	16.5
30°-40°	377.1	18.0
40°-50°	334.9	16.0
50°-60°	254.9	12.2
60°-70°	169.3	8.1
70°-80°	103.1	4.9
80°-90°	63.9	3.1
90°-100°	43.7	2.1
100°-110°	30.6	1.5
110°-120°	20.9	1.0
120°-130°	13.2	0.6
130°-140°	7.5	0.4
140°-150°	3.5	0.2
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	671.0	32.0
0°-40°	1048.1	50.1
0°-60°	1638.0	78.2
0°-90°	1974.3	94.3
90°-120°	95.1	4.5
90°-150°	119.4	5.7
90°-180°	120.0	5.7
0°-180°	2094.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	907	907	907	907	907	
5°	911	906	894	898	892	87
15°	888	873	841	831	820	251
25°	837	800	742	713	694	386
35°	740	674	584	533	511	461
45°	581	494	402	367	359	448
55°	376	306	259	255	254	337
65°	190	163	163	170	168	191
75°	73	83	104	109	106	79
85°	13	42	71	75	73	16
90°	0	31	60	65	63	1
95°	0	24	51	56	55	0
105°	0	15	36	42	42	0
115°	0	10	26	32	31	0
125°	0	7	18	22	22	0
135°	0	4	12	15	15	0
145°	0	2	7	9	9	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°	906.9	906.9	906.9	906.9	906.9
2.5°	912.4	908.0	899.1	904.7	901.3
5°	911.3	905.8	893.6	898.0	892.5
7.5°	908.0	901.3	884.8	887.0	878.2
10°	902.4	893.6	872.7	870.5	861.6
12.5°	895.8	884.8	859.4	851.7	842.9
15°	888.1	872.7	840.7	830.7	819.7
17.5°	879.3	858.3	821.9	806.5	794.3
20°	867.1	841.8	797.6	778.9	765.6
22.5°	855.0	821.9	772.3	746.9	732.5
25°	837.4	799.8	742.5	712.7	693.9
27.5°	817.5	774.5	709.4	670.8	649.8
30°	794.3	744.7	673.0	627.7	609.0
32.5°	769.0	711.6	628.8	580.3	559.3
35°	740.3	674.1	583.6	532.9	510.8
37.5°	705.0	633.3	538.4	486.5	468.9
40°	669.7	590.2	493.1	444.6	425.8
42.5°	629.9	542.8	446.8	402.7	389.4
45°	581.4	494.3	401.6	367.4	358.6
47.5°	534.0	444.6	360.8	336.5	328.8
50°	485.4	396.1	322.1	306.7	301.2
52.5°	429.2	348.6	290.2	280.2	278.0
55°	376.2	305.6	259.3	254.8	253.7
57.5°	325.5	264.8	230.6	233.9	231.7
60°	278.0	227.3	205.2	209.6	208.5
62.5°	231.7	193.1	182.0	190.9	188.7
65°	189.8	163.3	163.3	169.9	167.7
67.5°	153.3	139.0	145.6	152.2	150.0
70°	122.5	116.9	130.2	135.7	133.5
72.5°	94.9	98.2	114.7	121.4	118.0
75°	72.8	82.7	103.7	109.2	105.9
77.5°	51.9	69.5	93.8	98.2	94.9
80°	36.4	58.5	84.9	89.4	86.1
82.5°	23.2	49.6	77.2	81.6	79.4
85°	13.2	41.9	70.6	75.0	72.8
87.5°	6.6	36.4	64.0	69.5	67.3
90°	0.0	30.9	59.6	65.1	62.9
92.5°	0.0	27.6	55.2	60.7	58.5
95°	0.0	24.3	50.7	56.3	55.2
97.5°	0.0	22.1	47.4	53.0	50.7
100°	0.0	18.8	43.0	48.5	47.4
102.5°	0.0	17.7	39.7	45.2	44.1
105°	0.0	15.4	36.4	41.9	41.9
107.5°	0.0	14.3	34.2	39.7	38.6
110°	0.0	12.1	30.9	36.4	36.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.0	28.7	34.2	33.1
115°	0.0	9.9	26.5	32.0	30.9
117.5°	0.0	9.9	24.3	28.7	28.7
120°	0.0	8.8	22.1	26.5	26.5
122.5°	0.0	7.7	19.9	24.3	24.3
125°	0.0	6.6	17.7	22.1	22.1
127.5°	0.0	6.6	16.5	21.0	21.0
130°	0.0	5.5	14.3	18.8	18.8
132.5°	0.0	4.4	13.2	16.5	16.5
135°	0.0	4.4	12.1	15.4	15.4
137.5°	0.0	3.3	9.9	13.2	13.2
140°	0.0	3.3	8.8	12.1	12.1
142.5°	0.0	2.2	7.7	11.0	9.9
145°	0.0	2.2	6.6	8.8	8.8
147.5°	0.0	1.1	5.5	7.7	7.7
150°	0.0	1.1	4.4	6.6	5.5
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)