

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: P218039

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218039
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1923.0 lumens
Efficiency: N/A
Efficacy: 120.9 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

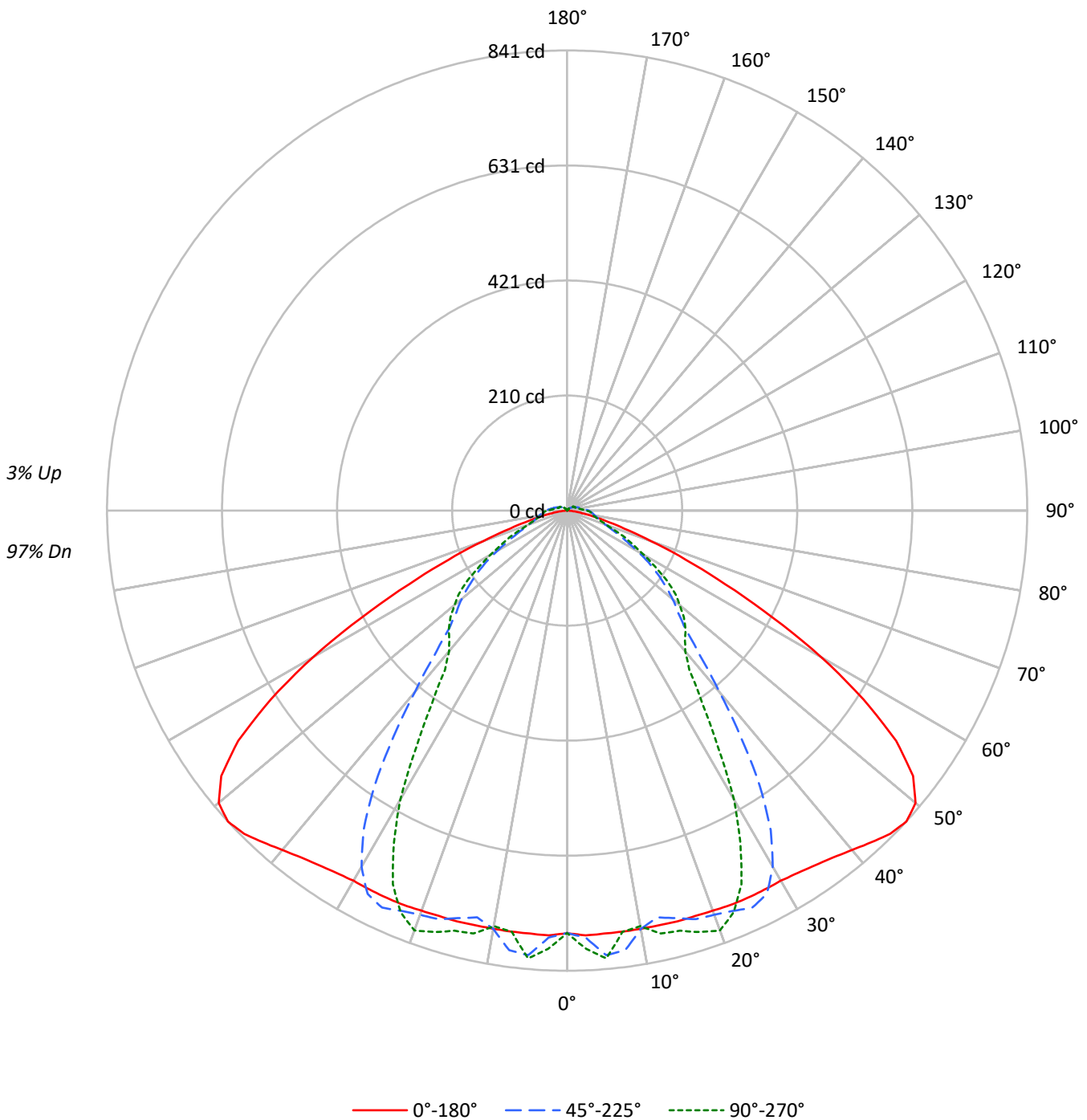
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	24886	24886	24886
5°	24925	24724	24435
10°	25029	22375	21454
15°	25360	21348	20914
20°	25898	21078	20530
25°	26731	20978	18273
30°	27727	19389	14389
35°	29397	15717	9971
40°	31830	11083	7672
45°	35128	7868	6971
50°	37902	6599	6142
55°	36837	5412	5121
60°	30244	4088	3829
65°	20612	2952	2815
70°	12592	2240	1929
75°	6911	1904	1526
80°	3715	1778	1313
85°	1495	1713	1318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	3.9
10°-20°	223.6	11.6
20°-30°	355.2	18.5
30°-40°	383.0	19.9
40°-50°	330.1	17.2
50°-60°	249.9	13.0
60°-70°	135.0	7.0
70°-80°	64.1	3.3
80°-90°	40.3	2.1
90°-100°	25.6	1.3
100°-110°	16.4	0.9
110°-120°	11.0	0.6
120°-130°	7.2	0.4
130°-140°	3.6	0.2
140°-150°	1.5	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	654.7	34.0
0°-40°	1037.7	54.0
0°-60°	1617.7	84.1
0°-90°	1857.1	96.6
90°-120°	53.0	2.8
90°-150°	65.3	3.4
90°-180°	66.0	3.4
0°-180°	1923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	772	772	772	772	772	
5°	776	793	816	826	821	74
15°	777	798	771	798	795	220
25°	781	766	801	779	754	361
35°	791	761	614	469	431	498
45°	835	523	305	302	306	643
55°	734	226	202	220	221	638
65°	319	96	102	115	116	327
75°	73	50	59	59	58	86
85°	8	30	45	45	44	11
90°	0	24	39	38	35	0
95°	0	19	32	28	27	0
105°	0	12	22	20	18	0
115°	0	7	15	15	15	0
125°	0	4	10	13	12	0
135°	0	2	6	7	7	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°	772.2	772.2	772.2	772.2	772.2
2.5°	777.1	778.1	781.0	795.8	801.7
5°	776.1	792.8	815.5	826.3	821.4
7.5°	776.1	810.6	810.6	789.9	776.1
10°	776.1	820.4	776.1	772.2	771.2
12.5°	776.1	814.5	761.4	788.9	791.9
15°	777.1	797.8	771.2	797.8	794.8
17.5°	777.1	778.1	783.0	803.7	807.6
20°	778.1	765.3	786.0	819.4	816.5
22.5°	780.1	763.3	791.9	812.5	794.8
25°	781.0	766.3	800.7	779.1	753.5
27.5°	781.0	770.2	789.9	727.9	685.6
30°	781.0	772.2	751.5	657.1	609.9
32.5°	785.0	770.2	692.5	564.6	513.5
35°	790.9	761.4	613.8	469.2	430.9
37.5°	798.8	737.8	521.4	392.5	366.9
40°	809.6	686.6	432.8	343.3	335.4
42.5°	822.4	611.9	360.0	318.7	318.7
45°	835.1	523.3	304.9	302.0	305.9
47.5°	841.0	436.8	274.4	285.3	289.2
50°	831.2	356.1	251.8	266.6	268.5
52.5°	796.8	284.3	226.2	244.0	248.9
55°	733.8	226.2	201.7	220.3	221.3
57.5°	642.3	180.0	176.1	190.8	189.9
60°	537.1	145.6	147.6	162.3	162.3
62.5°	424.0	118.0	123.9	136.7	135.7
65°	318.7	96.4	102.3	115.1	116.1
67.5°	235.1	79.7	86.6	95.4	93.4
70°	164.3	66.9	73.8	78.7	76.7
72.5°	109.2	57.1	64.9	66.9	65.9
75°	72.8	50.2	59.0	59.0	58.0
77.5°	47.2	44.3	55.1	54.1	52.1
80°	29.5	39.3	51.2	49.2	47.2
82.5°	17.7	34.4	48.2	46.2	44.3
85°	7.9	30.5	45.2	45.2	44.3
87.5°	3.0	27.5	42.3	43.3	41.3
90°	0.0	23.6	39.3	38.4	35.4
92.5°	0.0	21.6	35.4	32.5	30.5
95°	0.0	18.7	31.5	28.5	26.6
97.5°	0.0	16.7	28.5	25.6	23.6
100°	0.0	14.8	25.6	22.6	20.7
102.5°	0.0	12.8	23.6	20.7	19.7
105°	0.0	11.8	21.6	19.7	17.7
107.5°	0.0	10.8	19.7	17.7	16.7
110°	0.0	8.9	17.7	16.7	15.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	7.9	15.7	15.7	15.7
115°	0.0	6.9	14.8	14.8	14.8
117.5°	0.0	5.9	12.8	14.8	14.8
120°	0.0	5.9	11.8	13.8	13.8
122.5°	0.0	4.9	10.8	13.8	13.8
125°	0.0	3.9	9.8	12.8	11.8
127.5°	0.0	3.0	8.9	10.8	10.8
130°	0.0	3.0	7.9	9.8	8.9
132.5°	0.0	2.0	6.9	7.9	7.9
135°	0.0	2.0	5.9	6.9	6.9
137.5°	0.0	2.0	4.9	5.9	4.9
140°	0.0	1.0	3.9	4.9	3.9
142.5°	0.0	1.0	3.9	4.9	3.9
145°	0.0	1.0	3.0	3.9	3.0
147.5°	0.0	1.0	2.0	3.0	3.0
150°	0.0	1.0	2.0	3.0	2.0
152.5°	0.0	1.0	2.0	2.0	1.0
155°	0.0	1.0	1.0	2.0	1.0
157.5°	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	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)