

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: P218162

Luminaire Tested: **2SNLED-LD5-18SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218162
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2188.0 lumens
Efficiency: N/A
Efficacy: 137.6 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

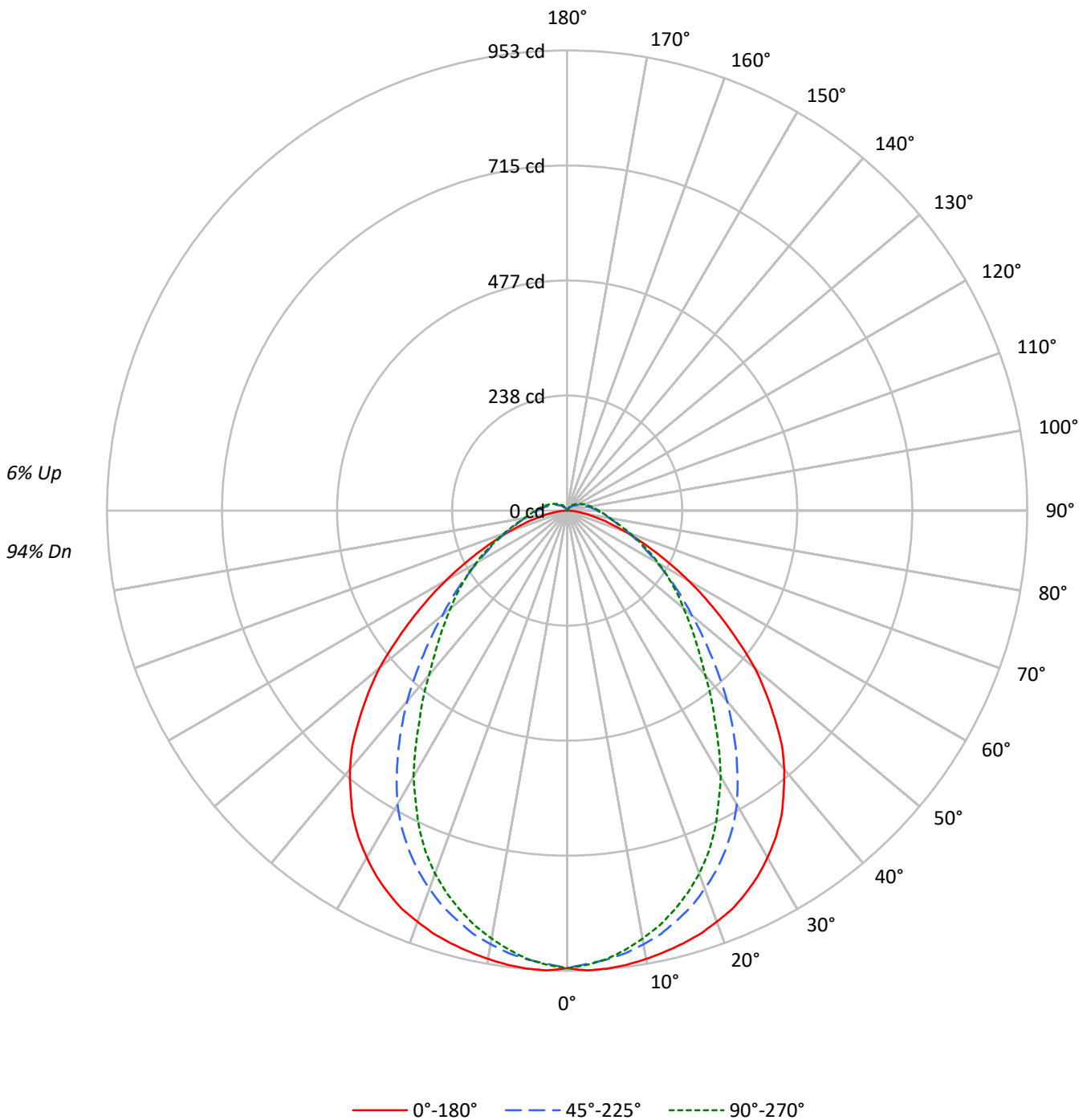
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	30539	30539	30539
5°	30581	28308	27743
10°	30411	26287	25046
15°	30284	24315	22537
20°	30159	22350	20115
25°	29945	20325	17584
30°	29466	18143	15012
35°	28750	15614	12350
40°	27509	13195	10179
45°	25554	10828	8536
50°	23128	8821	7199
55°	19734	7268	6134
60°	16358	5939	5141
65°	12825	4922	4249
70°	9810	4127	3508
75°	7224	3497	2913
80°	4786	3083	2501
85°	2611	2797	2264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.1	4.1
10°-20°	250.0	11.4
20°-30°	362.0	16.5
30°-40°	394.0	18.0
40°-50°	350.0	16.0
50°-60°	266.4	12.2
60°-70°	176.9	8.1
70°-80°	107.8	4.9
80°-90°	66.8	3.1
90°-100°	45.6	2.1
100°-110°	32.0	1.5
110°-120°	21.8	1.0
120°-130°	13.8	0.6
130°-140°	7.9	0.4
140°-150°	3.7	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	701.1	32.0
0°-40°	1095.2	50.1
0°-60°	1711.5	78.2
0°-90°	2062.9	94.3
90°-120°	99.4	4.5
90°-150°	124.8	5.7
90°-180°	125.0	5.7
0°-180°	2188.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	952	946	934	938	933	91
15°	928	912	878	868	856	262
25°	875	836	776	745	725	403
35°	774	704	610	557	534	482
45°	608	516	420	384	375	468
55°	393	319	271	266	265	353
65°	198	171	171	178	175	200
75°	76	86	108	114	111	82
85°	14	44	74	78	76	16
90°	0	32	62	68	66	1
95°	0	25	53	59	58	0
105°	0	16	38	44	44	0
115°	0	10	28	33	32	0
125°	0	7	18	23	23	0
135°	0	5	13	16	16	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°	947.6	947.6	947.6	947.6	947.6
2.5°	953.3	948.7	939.5	945.3	941.8
5°	952.2	946.4	933.7	938.3	932.6
7.5°	948.7	941.8	924.5	926.8	917.6
10°	943.0	933.7	911.8	909.5	900.3
12.5°	936.0	924.5	898.0	889.9	880.7
15°	928.0	911.8	878.4	868.0	856.5
17.5°	918.8	896.8	858.8	842.7	830.0
20°	906.1	879.6	833.4	813.8	800.0
22.5°	893.4	858.8	806.9	780.4	765.4
25°	874.9	835.8	775.8	744.7	725.1
27.5°	854.2	809.2	741.2	700.9	679.0
30°	830.0	778.1	703.2	655.9	636.3
32.5°	803.5	743.5	657.1	606.4	584.4
35°	773.5	704.3	609.8	556.8	533.7
37.5°	736.6	661.7	562.5	508.4	489.9
40°	699.7	616.7	515.3	464.6	445.0
42.5°	658.2	567.2	466.9	420.8	406.9
45°	607.5	516.4	419.6	383.9	374.6
47.5°	557.9	464.6	377.0	351.6	343.5
50°	507.2	413.8	336.6	320.5	314.7
52.5°	448.4	364.3	303.2	292.8	290.5
55°	393.1	319.3	270.9	266.3	265.1
57.5°	340.1	276.7	240.9	244.4	242.1
60°	290.5	237.5	214.4	219.0	217.9
62.5°	242.1	201.7	190.2	199.4	197.1
65°	198.3	170.6	170.6	177.5	175.2
67.5°	160.2	145.2	152.2	159.1	156.8
70°	128.0	122.2	136.0	141.8	139.5
72.5°	99.1	102.6	119.9	126.8	123.3
75°	76.1	86.5	108.4	114.1	110.7
77.5°	54.2	72.6	98.0	102.6	99.1
80°	38.0	61.1	88.8	93.4	89.9
82.5°	24.2	51.9	80.7	85.3	83.0
85°	13.8	43.8	73.8	78.4	76.1
87.5°	6.9	38.0	66.9	72.6	70.3
90°	0.0	32.3	62.2	68.0	65.7
92.5°	0.0	28.8	57.6	63.4	61.1
95°	0.0	25.4	53.0	58.8	57.6
97.5°	0.0	23.1	49.6	55.3	53.0
100°	0.0	19.6	45.0	50.7	49.6
102.5°	0.0	18.4	41.5	47.3	46.1
105°	0.0	16.1	38.0	43.8	43.8
107.5°	0.0	15.0	35.7	41.5	40.3
110°	0.0	12.7	32.3	38.0	38.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.5	30.0	35.7	34.6
115°	0.0	10.4	27.7	33.4	32.3
117.5°	0.0	10.4	25.4	30.0	30.0
120°	0.0	9.2	23.1	27.7	27.7
122.5°	0.0	8.1	20.7	25.4	25.4
125°	0.0	6.9	18.4	23.1	23.1
127.5°	0.0	6.9	17.3	21.9	21.9
130°	0.0	5.8	15.0	19.6	19.6
132.5°	0.0	4.6	13.8	17.3	17.3
135°	0.0	4.6	12.7	16.1	16.1
137.5°	0.0	3.5	10.4	13.8	13.8
140°	0.0	3.5	9.2	12.7	12.7
142.5°	0.0	2.3	8.1	11.5	10.4
145°	0.0	2.3	6.9	9.2	9.2
147.5°	0.0	1.2	5.8	8.1	8.1
150°	0.0	1.2	4.6	6.9	5.8
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)