

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: P218285

Luminaire Tested: **2SNLED-LD5-20SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-20SL-LW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2148.0 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

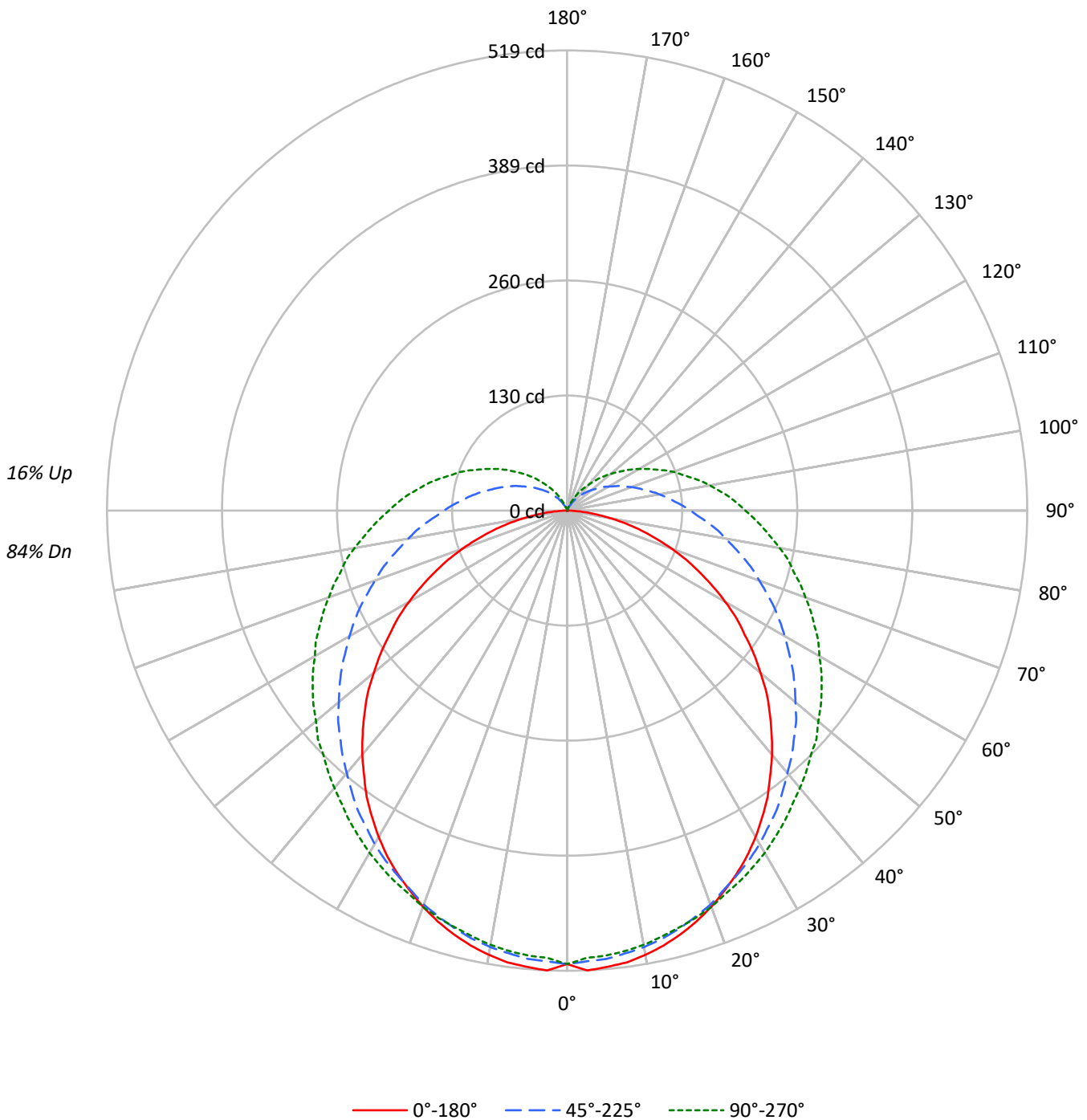
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	65
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16481	16481	16481
5°	16591	15390	14984
10°	16409	14409	13834
15°	16144	13514	12812
20°	15823	12679	11953
25°	15477	11881	11184
30°	15092	11200	10515
35°	14652	10555	9897
40°	14130	9897	9342
45°	13599	9342	8865
50°	12982	8811	8457
55°	12289	8331	8108
60°	11606	7850	7750
65°	10665	7432	7467
70°	9580	6998	7191
75°	8193	6650	6949
80°	6171	6305	6774
85°	3651	6052	6592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	2.3
10°-20°	138.5	6.4
20°-30°	210.5	9.8
30°-40°	257.6	12.0
40°-50°	278.2	12.9
50°-60°	273.1	12.7
60°-70°	246.0	11.5
70°-80°	203.7	9.5
80°-90°	156.6	7.3
90°-100°	118.1	5.5
100°-110°	86.9	4.0
110°-120°	59.9	2.8
120°-130°	38.0	1.8
130°-140°	21.0	1.0
140°-150°	9.1	0.4
150°-160°	2.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	397.5	18.5
0°-40°	655.1	30.5
0°-60°	1206.3	56.2
0°-90°	1812.6	84.4
90°-120°	264.9	12.3
90°-150°	333.1	15.5
90°-180°	335.0	15.6
0°-180°	2148.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	511	511	511	511	511	
5°	517	514	508	508	504	49
15°	495	493	488	491	487	139
25°	452	452	454	462	461	208
35°	394	398	412	425	428	246
45°	323	338	362	384	389	249
55°	245	272	310	341	350	220
65°	165	202	258	296	308	164
75°	86	138	206	250	264	92
85°	19	85	160	207	222	22
90°	0	66	139	187	201	1
95°	1	52	121	168	183	0
105°	0	32	90	131	144	0
115°	0	21	66	99	110	0
125°	0	13	45	71	79	0
135°	0	8	28	46	52	0
145°	0	3	14	26	28	0
155°	0	1	4	8	9	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°	511.4	511.4	511.4	511.4	511.4
2.5°	519.2	515.3	508.8	508.8	505.0
5°	516.6	514.0	507.6	507.6	503.7
7.5°	514.0	511.4	503.7	505.0	501.1
10°	508.8	506.3	499.8	501.1	497.3
12.5°	502.4	499.8	494.7	496.0	492.1
15°	494.7	493.4	488.2	490.8	486.9
17.5°	485.7	484.4	480.5	484.4	481.8
20°	475.4	475.4	472.8	477.9	475.4
22.5°	463.8	463.8	462.5	470.2	467.6
25°	452.2	452.2	453.5	462.5	461.2
27.5°	439.3	440.6	444.4	454.7	453.5
30°	425.1	427.7	434.1	445.7	445.7
32.5°	409.7	412.2	422.5	436.7	436.7
35°	394.2	398.1	412.2	425.1	427.7
37.5°	376.2	382.6	399.3	414.8	417.4
40°	359.4	368.4	386.5	404.5	408.4
42.5°	341.4	353.0	374.9	395.5	399.3
45°	323.3	337.5	362.0	383.9	389.0
47.5°	305.3	320.8	350.4	373.6	381.3
50°	284.7	304.0	336.2	363.3	369.7
52.5°	265.4	287.3	323.3	351.7	360.7
55°	244.8	271.8	310.5	341.4	350.4
57.5°	226.7	253.8	296.3	331.1	340.1
60°	206.1	235.7	283.4	318.2	328.5
62.5°	185.5	220.3	270.5	307.9	319.5
65°	164.9	202.3	257.6	296.3	307.9
67.5°	145.6	185.5	243.5	284.7	297.6
70°	125.0	168.8	230.6	273.1	286.0
72.5°	105.6	153.3	219.0	261.5	275.7
75°	86.3	137.8	206.1	249.9	264.1
77.5°	68.3	123.7	193.2	239.6	255.1
80°	49.0	109.5	181.6	228.0	243.5
82.5°	33.5	96.6	171.3	217.7	231.9
85°	19.3	85.0	159.7	207.4	221.6
87.5°	7.7	74.7	148.1	195.8	211.3
90°	0.0	65.7	139.1	186.8	201.0
92.5°	0.0	58.0	130.1	176.5	191.9
95°	1.3	51.5	121.1	167.5	182.9
97.5°	0.0	45.1	113.4	158.5	172.6
100°	0.0	41.2	105.6	149.4	163.6
102.5°	0.0	36.1	97.9	140.4	154.6
105°	0.0	32.2	90.2	131.4	144.3
107.5°	0.0	29.6	83.7	123.7	135.3
110°	0.0	25.8	77.3	115.9	127.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.2	70.9	106.9	118.5
115°	0.0	20.6	65.7	99.2	109.5
117.5°	0.0	19.3	59.3	91.5	101.8
120°	0.0	16.7	54.1	85.0	94.0
122.5°	0.0	15.5	50.2	77.3	86.3
125°	0.0	12.9	45.1	70.9	78.6
127.5°	0.0	11.6	39.9	64.4	70.9
130°	0.0	10.3	36.1	58.0	64.4
132.5°	0.0	9.0	32.2	51.5	58.0
135°	0.0	7.7	28.3	46.4	51.5
137.5°	0.0	6.4	24.5	39.9	45.1
140°	0.0	5.2	20.6	34.8	38.6
142.5°	0.0	3.9	18.0	29.6	33.5
145°	0.0	2.6	14.2	25.8	28.3
147.5°	0.0	2.6	11.6	20.6	23.2
150°	0.0	1.3	7.7	16.7	18.0
152.5°	0.0	1.3	6.4	12.9	12.9
155°	0.0	1.3	3.9	7.7	9.0
157.5°	0.0	0.0	2.6	5.2	5.2
160°	0.0	0.0	1.3	2.6	3.9
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)