

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: P218284

Luminaire Tested: **2SNLED-LD5-20SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218284
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2106.0 lumens
Efficiency: N/A
Efficacy: 122.4 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

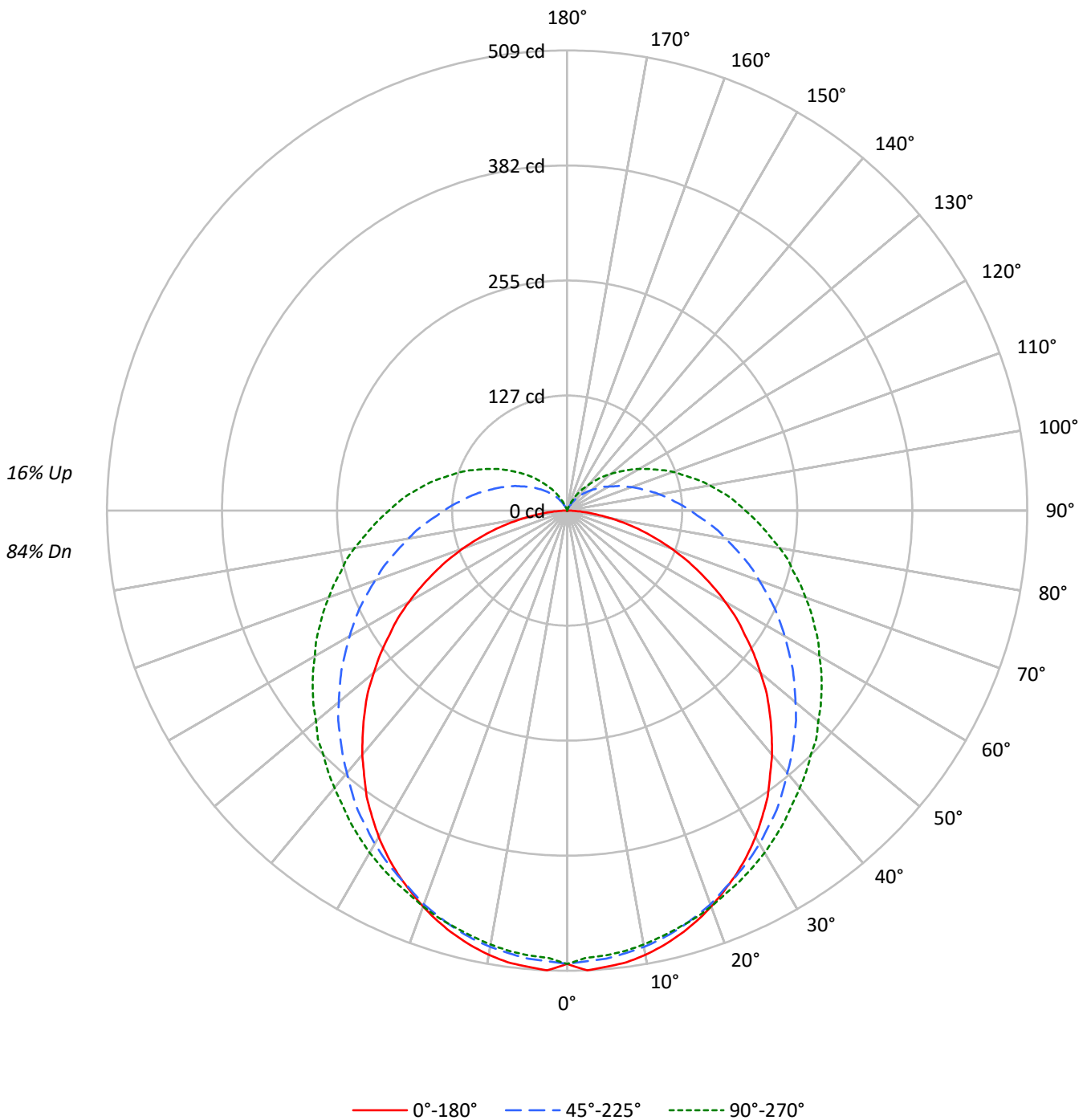
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	64
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°	16159	16159	16159
5°	16267	15086	14689
10°	16089	14129	13562
15°	15827	13251	12562
20°	15514	12430	11720
25°	15172	11648	10966
30°	14797	10981	10310
35°	14366	10350	9702
40°	13855	9703	9159
45°	13334	9158	8691
50°	12727	8641	8292
55°	12048	8167	7948
60°	11380	7697	7599
65°	10458	7288	7321
70°	9389	6861	7050
75°	8031	6521	6813
80°	6045	6184	6640
85°	3576	5935	6461



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	2.3
10°-20°	135.8	6.4
20°-30°	206.4	9.8
30°-40°	252.6	12.0
40°-50°	272.7	12.9
50°-60°	267.7	12.7
60°-70°	241.1	11.5
70°-80°	199.7	9.5
80°-90°	153.6	7.3
90°-100°	115.8	5.5
100°-110°	85.2	4.0
110°-120°	58.8	2.8
120°-130°	37.3	1.8
130°-140°	20.6	1.0
140°-150°	8.9	0.4
150°-160°	2.2	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	389.7	18.5
0°-40°	642.3	30.5
0°-60°	1182.7	56.2
0°-90°	1777.2	84.4
90°-120°	259.7	12.3
90°-150°	326.6	15.5
90°-180°	329.0	15.6
0°-180°	2106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	501	501	501	501	501	
5°	506	504	498	498	494	48
15°	485	484	479	481	477	137
25°	443	443	445	453	452	204
35°	386	390	404	417	419	241
45°	317	331	355	376	381	244
55°	240	266	304	335	344	215
65°	162	198	253	290	302	160
75°	85	135	202	245	259	90
85°	19	83	157	203	217	22
90°	0	64	136	183	197	1
95°	1	50	119	164	179	0
105°	0	32	88	129	142	0
115°	0	20	64	97	107	0
125°	0	13	44	70	77	0
135°	0	8	28	46	50	0
145°	0	2	14	25	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°	501.4	501.4	501.4	501.4	501.4
2.5°	509.0	505.2	498.9	498.9	495.1
5°	506.5	503.9	497.6	497.6	493.8
7.5°	503.9	501.4	493.8	495.1	491.3
10°	498.9	496.4	490.1	491.3	487.5
12.5°	492.6	490.1	485.0	486.3	482.5
15°	485.0	483.7	478.7	481.2	477.4
17.5°	476.2	474.9	471.1	474.9	472.4
20°	466.1	466.1	463.5	468.6	466.1
22.5°	454.7	454.7	453.4	461.0	458.5
25°	443.3	443.3	444.6	453.4	452.2
27.5°	430.7	432.0	435.7	445.8	444.6
30°	416.8	419.3	425.6	437.0	437.0
32.5°	401.6	404.2	414.3	428.2	428.2
35°	386.5	390.3	404.2	416.8	419.3
37.5°	368.8	375.1	391.5	406.7	409.2
40°	352.4	361.2	378.9	396.6	400.4
42.5°	334.7	346.1	367.5	387.8	391.5
45°	317.0	330.9	354.9	376.4	381.4
47.5°	299.3	314.5	343.5	366.3	373.9
50°	279.1	298.1	329.7	356.2	362.5
52.5°	260.2	281.7	317.0	344.8	353.6
55°	240.0	266.5	304.4	334.7	343.5
57.5°	222.3	248.8	290.5	324.6	333.4
60°	202.1	231.1	277.9	312.0	322.1
62.5°	181.9	216.0	265.2	301.9	313.2
65°	161.7	198.3	252.6	290.5	301.9
67.5°	142.7	181.9	238.7	279.1	291.8
70°	122.5	165.5	226.1	267.8	280.4
72.5°	103.6	150.3	214.7	256.4	270.3
75°	84.6	135.1	202.1	245.0	258.9
77.5°	66.9	121.3	189.5	234.9	250.1
80°	48.0	107.4	178.1	223.6	238.7
82.5°	32.8	94.7	168.0	213.5	227.3
85°	18.9	83.4	156.6	203.3	217.2
87.5°	7.6	73.3	145.2	192.0	207.1
90°	0.0	64.4	136.4	183.1	197.0
92.5°	0.0	56.8	127.6	173.0	188.2
95°	1.3	50.5	118.7	164.2	179.4
97.5°	0.0	44.2	111.1	155.4	169.2
100°	0.0	40.4	103.6	146.5	160.4
102.5°	0.0	35.4	96.0	137.7	151.6
105°	0.0	31.6	88.4	128.8	141.5
107.5°	0.0	29.0	82.1	121.3	132.6
110°	0.0	25.3	75.8	113.7	125.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.7	69.5	104.8	116.2
115°	0.0	20.2	64.4	97.3	107.4
117.5°	0.0	18.9	58.1	89.7	99.8
120°	0.0	16.4	53.0	83.4	92.2
122.5°	0.0	15.2	49.3	75.8	84.6
125°	0.0	12.6	44.2	69.5	77.0
127.5°	0.0	11.4	39.2	63.2	69.5
130°	0.0	10.1	35.4	56.8	63.2
132.5°	0.0	8.8	31.6	50.5	56.8
135°	0.0	7.6	27.8	45.5	50.5
137.5°	0.0	6.3	24.0	39.2	44.2
140°	0.0	5.1	20.2	34.1	37.9
142.5°	0.0	3.8	17.7	29.0	32.8
145°	0.0	2.5	13.9	25.3	27.8
147.5°	0.0	2.5	11.4	20.2	22.7
150°	0.0	1.3	7.6	16.4	17.7
152.5°	0.0	1.3	6.3	12.6	12.6
155°	0.0	1.3	3.8	7.6	8.8
157.5°	0.0	0.0	2.5	5.1	5.1
160°	0.0	0.0	1.3	2.5	3.8
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)