

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: P218283

Luminaire Tested: **2SNLED-LD5-20SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218283
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1982.0 lumens
Efficiency: N/A
Efficacy: 115.2 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

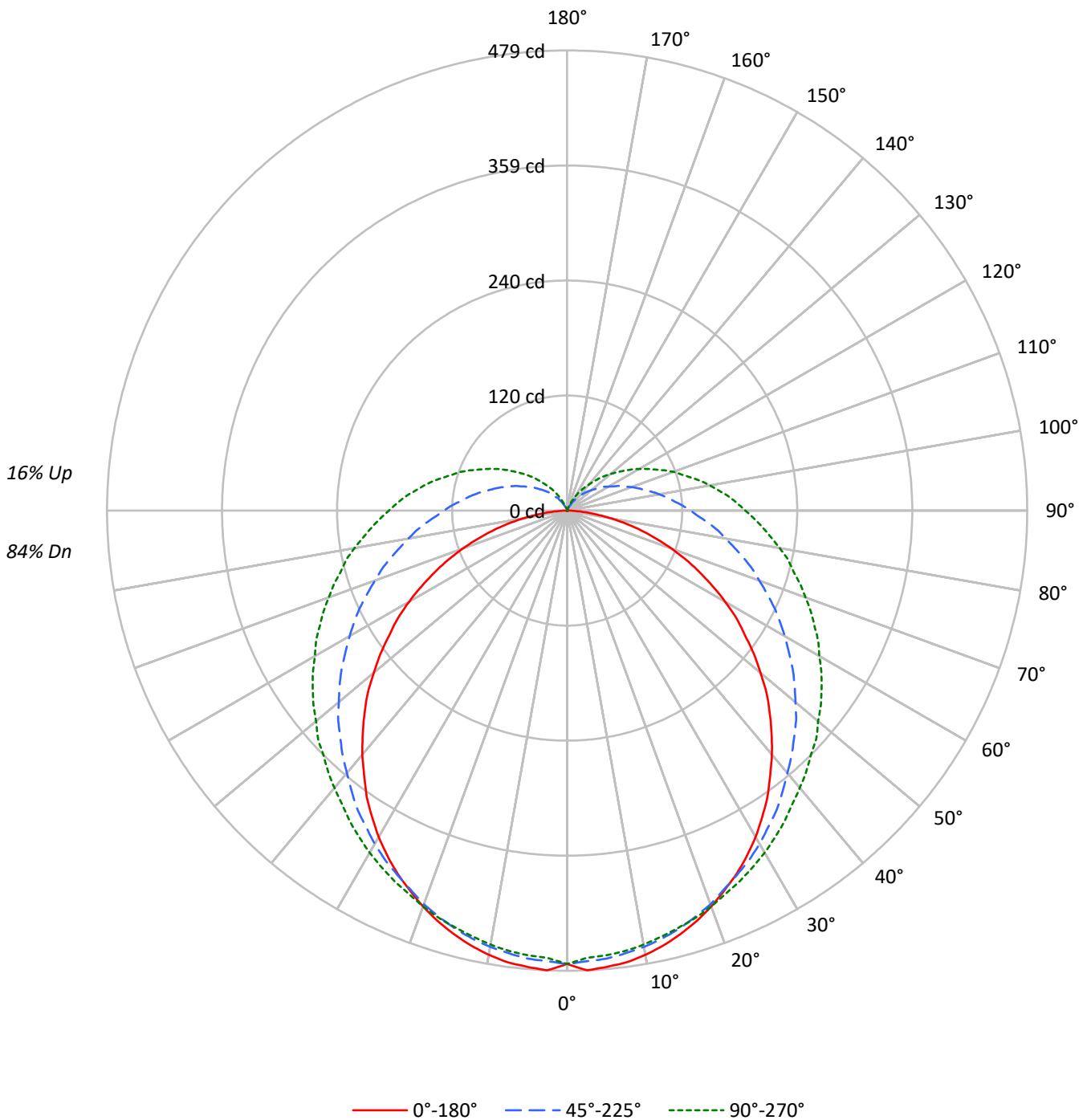
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	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°	15208	15208	15208
5°	15310	14198	13827
10°	15141	13296	12763
15°	14894	12470	11823
20°	14598	11698	11028
25°	14279	10962	10319
30°	13927	10336	9703
35°	13518	9740	9131
40°	13037	9132	8619
45°	12552	8619	8181
50°	11979	8130	7803
55°	11335	7687	7481
60°	10710	7243	7151
65°	9837	6858	6890
70°	8837	6458	6635
75°	7557	6137	6413
80°	5693	5819	6251
85°	3368	5586	6083



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	2.3
10°-20°	127.8	6.4
20°-30°	194.2	9.8
30°-40°	237.7	12.0
40°-50°	256.7	12.9
50°-60°	252.0	12.7
60°-70°	226.9	11.5
70°-80°	187.9	9.5
80°-90°	144.5	7.3
90°-100°	108.9	5.5
100°-110°	80.2	4.0
110°-120°	55.3	2.8
120°-130°	35.1	1.8
130°-140°	19.4	1.0
140°-150°	8.4	0.4
150°-160°	2.1	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	366.7	18.5
0°-40°	604.5	30.5
0°-60°	1113.1	56.2
0°-90°	1672.5	84.4
90°-120°	244.4	12.3
90°-150°	307.3	15.5
90°-180°	309.0	15.6
0°-180°	1982.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	472	472	472	472	472	
5°	477	474	468	468	465	45
15°	456	455	450	453	449	129
25°	417	417	418	427	426	192
35°	364	367	380	392	395	227
45°	298	311	334	354	359	230
55°	226	251	286	315	323	203
65°	152	187	238	273	284	151
75°	80	127	190	231	244	84
85°	18	78	147	191	204	20
90°	0	61	128	172	185	1
95°	1	48	112	154	169	0
105°	0	30	83	121	133	0
115°	0	19	61	92	101	0
125°	0	12	42	65	72	0
135°	0	7	26	43	48	0
145°	0	2	13	24	26	0
155°	0	1	4	7	8	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°	471.9	471.9	471.9	471.9	471.9
2.5°	479.0	475.5	469.5	469.5	466.0
5°	476.7	474.3	468.3	468.3	464.8
7.5°	474.3	471.9	464.8	466.0	462.4
10°	469.5	467.1	461.2	462.4	458.8
12.5°	463.6	461.2	456.4	457.6	454.1
15°	456.4	455.3	450.5	452.9	449.3
17.5°	448.1	446.9	443.4	446.9	444.6
20°	438.6	438.6	436.2	441.0	438.6
22.5°	427.9	427.9	426.7	433.9	431.5
25°	417.2	417.2	418.4	426.7	425.5
27.5°	405.3	406.5	410.1	419.6	418.4
30°	392.3	394.6	400.6	411.3	411.3
32.5°	378.0	380.4	389.9	403.0	403.0
35°	363.7	367.3	380.4	392.3	394.6
37.5°	347.1	353.0	368.5	382.7	385.1
40°	331.6	340.0	356.6	373.2	376.8
42.5°	315.0	325.7	345.9	364.9	368.5
45°	298.4	311.4	334.0	354.2	359.0
47.5°	281.7	296.0	323.3	344.7	351.8
50°	262.7	280.5	310.2	335.2	341.1
52.5°	244.9	265.1	298.4	324.5	332.8
55°	225.8	250.8	286.5	315.0	323.3
57.5°	209.2	234.2	273.4	305.5	313.8
60°	190.2	217.5	261.5	293.6	303.1
62.5°	171.2	203.3	249.6	284.1	294.8
65°	152.1	186.6	237.7	273.4	284.1
67.5°	134.3	171.2	224.7	262.7	274.6
70°	115.3	155.7	212.8	252.0	263.9
72.5°	97.5	141.5	202.1	241.3	254.4
75°	79.6	127.2	190.2	230.6	243.7
77.5°	63.0	114.1	178.3	221.1	235.4
80°	45.2	101.0	167.6	210.4	224.7
82.5°	30.9	89.1	158.1	200.9	214.0
85°	17.8	78.5	147.4	191.4	204.5
87.5°	7.1	68.9	136.7	180.7	194.9
90°	0.0	60.6	128.4	172.4	185.4
92.5°	0.0	53.5	120.1	162.8	177.1
95°	1.2	47.5	111.7	154.5	168.8
97.5°	0.0	41.6	104.6	146.2	159.3
100°	0.0	38.0	97.5	137.9	151.0
102.5°	0.0	33.3	90.3	129.6	142.6
105°	0.0	29.7	83.2	121.2	133.1
107.5°	0.0	27.3	77.3	114.1	124.8
110°	0.0	23.8	71.3	107.0	117.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.4	65.4	98.7	109.4
115°	0.0	19.0	60.6	91.5	101.0
117.5°	0.0	17.8	54.7	84.4	93.9
120°	0.0	15.5	49.9	78.5	86.8
122.5°	0.0	14.3	46.4	71.3	79.6
125°	0.0	11.9	41.6	65.4	72.5
127.5°	0.0	10.7	36.8	59.4	65.4
130°	0.0	9.5	33.3	53.5	59.4
132.5°	0.0	8.3	29.7	47.5	53.5
135°	0.0	7.1	26.2	42.8	47.5
137.5°	0.0	5.9	22.6	36.8	41.6
140°	0.0	4.8	19.0	32.1	35.7
142.5°	0.0	3.6	16.6	27.3	30.9
145°	0.0	2.4	13.1	23.8	26.2
147.5°	0.0	2.4	10.7	19.0	21.4
150°	0.0	1.2	7.1	15.5	16.6
152.5°	0.0	1.2	5.9	11.9	11.9
155°	0.0	1.2	3.6	7.1	8.3
157.5°	0.0	0.0	2.4	4.8	4.8
160°	0.0	0.0	1.2	2.4	3.6
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)