

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: P217921

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217921  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-20SL-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2132.0 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

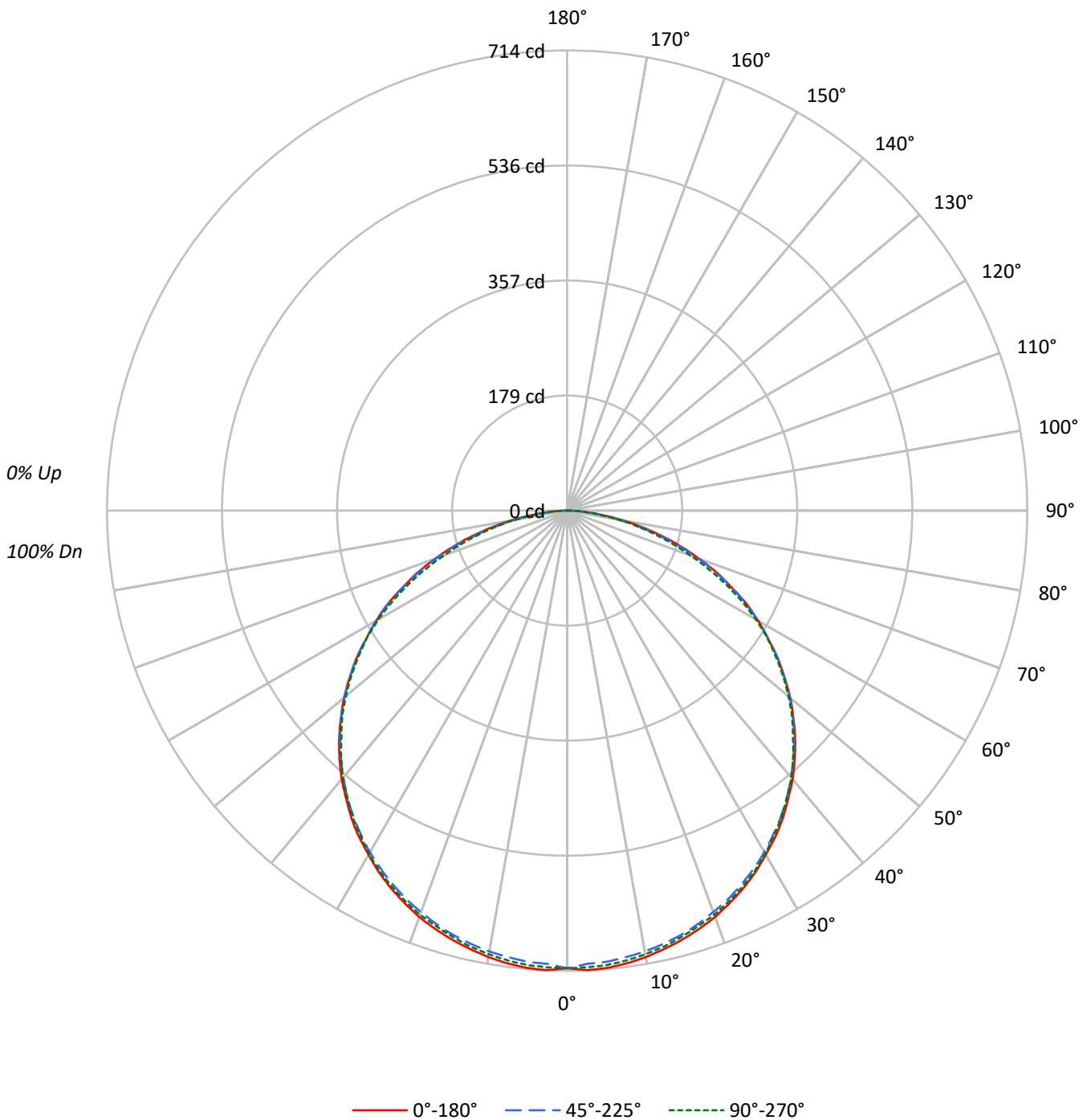
Input Watts (W): 15.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P217921

CATALOG NUMBER: 2SNLED-LD5-20SL-UNV-L840-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P217921

CATALOG NUMBER: 2SNLED-LD5-20SL-UNV-L840-CD1-U

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	22881	22881	22881
5°	22876	21305	21055
10°	22684	20025	19446
15°	22498	18879	18025
20°	22334	17777	16779
25°	22131	16767	15610
30°	21883	15790	14507
35°	21677	14821	13428
40°	21391	13841	12380
45°	21057	12861	11292
50°	20611	11825	10255
55°	20025	10702	9145
60°	19264	9476	7984
65°	18167	8128	6616
70°	16670	6555	5117
75°	14487	4711	3668
80°	11046	2792	2276
85°	6130	1201	922



TEST NUMBER: P217921

CATALOG NUMBER: 2SNLED-LD5-20SL-UNV-L840-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.3	3.2
10°-20°	193.7	9.1
20°-30°	296.8	13.9
30°-40°	363.3	17.0
40°-50°	384.4	18.0
50°-60°	355.5	16.7
60°-70°	276.1	13.0
70°-80°	155.5	7.3
80°-90°	39.3	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	557.8	26.2
0°-40°	921.1	43.2
0°-60°	1661.1	77.9
0°-90°	2132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2132.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	712	709	703	709	708	68
15°	689	687	682	688	685	195
25°	647	644	640	645	644	298
35°	583	581	579	580	580	365
45°	501	500	498	498	496	386
55°	399	400	399	397	395	356
65°	281	283	282	278	273	279
75°	153	153	146	142	139	161
85°	32	32	32	32	31	40
90°	0	0	0	0	0	



TEST NUMBER: P217921

CATALOG NUMBER: 2SNLED-LD5-20SL-UNV-L840-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	710.0	710.0	710.0	710.0	710.0
2.5°	713.7	710.8	704.1	710.8	709.3
5°	712.3	709.3	702.7	709.3	707.8
7.5°	708.6	706.4	699.0	705.6	704.1
10°	703.4	701.2	694.6	701.2	699.0
12.5°	696.8	694.6	688.7	694.6	693.1
15°	689.4	687.2	682.0	687.9	685.0
17.5°	680.6	679.1	673.2	679.1	676.1
20°	671.0	668.0	662.9	668.8	667.3
22.5°	659.2	657.7	652.5	657.7	656.2
25°	646.6	644.4	640.0	645.2	643.7
27.5°	632.6	631.2	626.7	630.4	630.4
30°	616.4	615.7	612.0	615.7	614.9
32.5°	600.9	599.4	595.8	598.7	597.2
35°	583.2	581.0	578.8	580.3	580.3
37.5°	563.3	562.6	560.4	562.6	560.4
40°	544.1	542.7	540.5	541.2	541.2
42.5°	522.8	522.0	519.8	519.8	519.1
45°	500.6	499.9	498.4	497.7	495.5
47.5°	476.3	475.6	475.6	474.8	473.4
50°	452.0	452.0	451.2	449.0	448.3
52.5°	425.4	426.9	424.7	423.2	422.5
55°	398.9	400.4	398.9	397.4	395.2
57.5°	369.4	372.3	370.1	369.4	368.7
60°	342.1	343.6	342.1	339.9	338.4
62.5°	314.1	314.1	311.9	310.4	306.0
65°	280.9	283.1	281.7	278.0	272.8
67.5°	251.4	250.0	248.5	244.1	238.2
70°	217.5	218.2	216.0	209.4	203.5
72.5°	185.1	186.5	182.1	173.3	171.8
75°	152.6	152.6	146.0	142.3	139.4
77.5°	119.4	120.2	111.3	110.6	109.9
80°	87.7	89.2	80.4	82.6	81.8
82.5°	59.7	58.2	54.6	54.6	53.8
85°	32.4	32.4	31.7	31.7	31.0
87.5°	12.5	13.3	14.7	16.2	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)