

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: P217920

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217920  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2090.0 lumens  
Efficiency: N/A  
Efficacy: 131.4 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

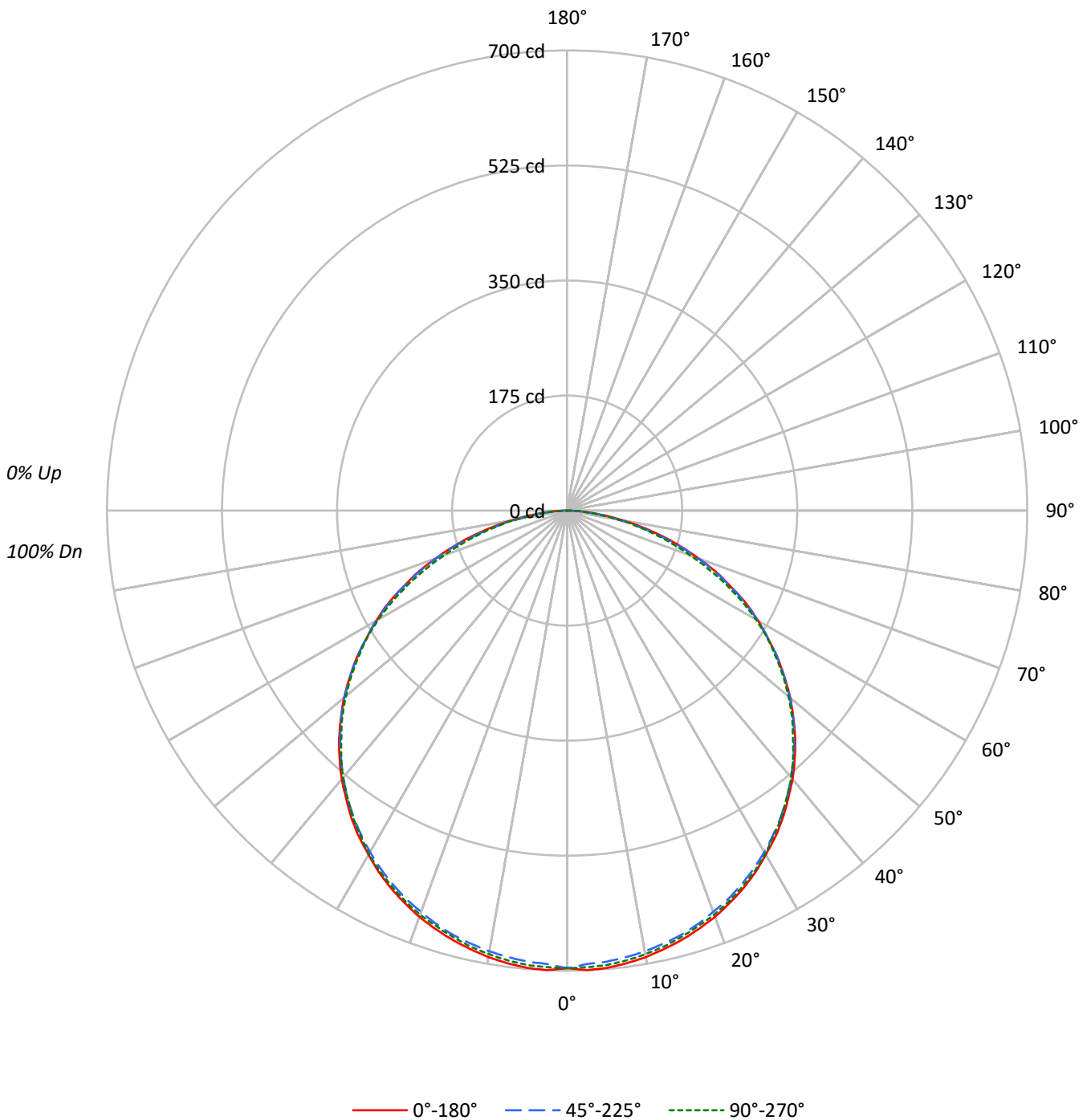
Input Watts (W): 15.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	70	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°	22433	22433	22433
5°	22423	20883	20642
10°	22239	19630	19062
15°	22054	18508	17669
20°	21891	17426	16447
25°	21696	16437	15302
30°	21453	15478	14221
35°	21250	14529	13162
40°	20971	13567	12135
45°	20645	12609	11068
50°	20205	11594	10054
55°	19628	10490	8964
60°	18887	9290	7828
65°	17812	7966	6485
70°	16340	6427	5016
75°	14202	4617	3594
80°	10831	2736	2231
85°	6016	1179	904



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.0	3.2
10°-20°	189.9	9.1
20°-30°	290.9	13.9
30°-40°	356.1	17.0
40°-50°	376.9	18.0
50°-60°	348.5	16.7
60°-70°	270.6	12.9
70°-80°	152.4	7.3
80°-90°	38.6	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°	546.8	26.2
0°-40°	902.9	43.2
0°-60°	1628.3	77.9
0°-90°	2090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2090.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	696	696	696	696	696	
5°	698	695	689	695	694	66
15°	676	674	669	674	672	191
25°	634	632	627	632	631	292
35°	572	570	567	569	569	357
45°	491	490	489	488	486	378
55°	391	392	391	390	387	349
65°	275	278	276	272	267	273
75°	150	150	143	140	137	158
85°	32	32	31	31	30	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	696.1	696.1	696.1	696.1	696.1
2.5°	699.7	696.8	690.3	696.8	695.3
5°	698.2	695.3	688.8	695.3	693.9
7.5°	694.6	692.4	685.2	691.7	690.3
10°	689.6	687.4	680.9	687.4	685.2
12.5°	683.0	680.9	675.1	680.9	679.4
15°	675.8	673.7	668.6	674.4	671.5
17.5°	667.1	665.7	659.9	665.7	662.8
20°	657.7	654.9	649.8	655.6	654.1
22.5°	646.2	644.7	639.7	644.7	643.3
25°	633.9	631.7	627.4	632.5	631.0
27.5°	620.2	618.7	614.4	618.0	618.0
30°	604.3	603.5	599.9	603.5	602.8
32.5°	589.1	587.6	584.0	586.9	585.5
35°	571.7	569.6	567.4	568.8	568.8
37.5°	552.2	551.5	549.3	551.5	549.3
40°	533.4	532.0	529.8	530.5	530.5
42.5°	512.5	511.7	509.6	509.6	508.9
45°	490.8	490.1	488.6	487.9	485.7
47.5°	466.9	466.2	466.2	465.5	464.0
50°	443.1	443.1	442.4	440.2	439.5
52.5°	417.1	418.5	416.3	414.9	414.2
55°	391.0	392.5	391.0	389.6	387.4
57.5°	362.1	365.0	362.8	362.1	361.4
60°	335.4	336.8	335.4	333.2	331.8
62.5°	307.9	307.9	305.7	304.3	300.0
65°	275.4	277.6	276.1	272.5	267.4
67.5°	246.5	245.0	243.6	239.2	233.5
70°	213.2	213.9	211.8	205.3	199.5
72.5°	181.4	182.9	178.5	169.9	168.4
75°	149.6	149.6	143.1	139.5	136.6
77.5°	117.1	117.8	109.1	108.4	107.7
80°	86.0	87.5	78.8	81.0	80.2
82.5°	58.5	57.1	53.5	53.5	52.8
85°	31.8	31.8	31.1	31.1	30.4
87.5°	12.3	13.0	14.5	15.9	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)