

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: P218286

Luminaire Tested: **2SNLED-LD5-20SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218286  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2323.0 lumens  
Efficiency: N/A  
Efficacy: 135.1 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

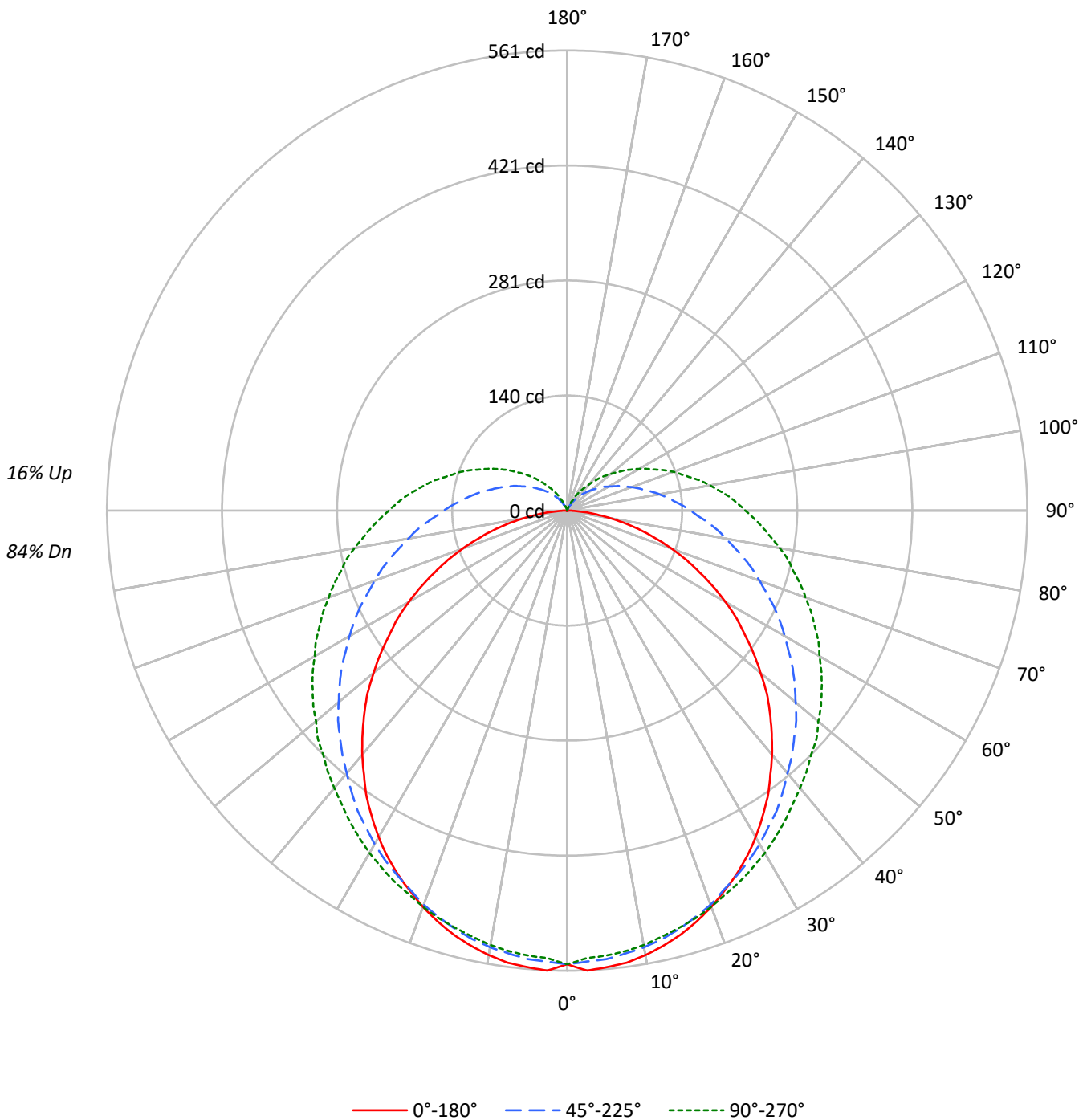
Input Watts (W): 17.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	17825	17825	17825
5°	17943	16642	16204
10°	17747	15585	14961
15°	17459	14616	13857
20°	17111	13712	12926
25°	16737	12848	12096
30°	16320	12113	11371
35°	15845	11415	10702
40°	15282	10704	10102
45°	14710	10103	9587
50°	14040	9529	9145
55°	13288	9009	8768
60°	12552	8490	8382
65°	11532	8038	8075
70°	10355	7568	7777
75°	8857	7192	7515
80°	6663	6819	7325
85°	3954	6549	7128



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.4	2.3
10°-20°	149.8	6.4
20°-30°	227.7	9.8
30°-40°	278.6	12.0
40°-50°	300.8	12.9
50°-60°	295.3	12.7
60°-70°	266.0	11.5
70°-80°	220.2	9.5
80°-90°	169.4	7.3
90°-100°	127.7	5.5
100°-110°	94.0	4.0
110°-120°	64.8	2.8
120°-130°	41.1	1.8
130°-140°	22.8	1.0
140°-150°	9.9	0.4
150°-160°	2.5	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	429.8	18.5
0°-40°	708.5	30.5
0°-60°	1304.6	56.2
0°-90°	1960.2	84.4
90°-120°	286.5	12.3
90°-150°	360.2	15.5
90°-180°	363.0	15.6
0°-180°	2323.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	553	553	553	553	553	
5°	559	556	549	549	545	53
15°	535	534	528	531	527	151
25°	489	489	490	500	499	225
35°	426	430	446	460	462	266
45°	350	365	392	415	421	270
55°	265	294	336	369	379	238
65°	178	219	279	320	333	177
75°	93	149	223	270	286	99
85°	21	92	173	224	240	24
90°	0	71	150	202	217	1
95°	1	56	131	181	198	0
105°	0	35	98	142	156	0
115°	0	22	71	107	118	0
125°	0	14	49	77	85	0
135°	0	8	31	50	56	0
145°	0	3	15	28	31	0
155°	0	1	4	8	10	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°	553.1	553.1	553.1	553.1	553.1
2.5°	561.4	557.3	550.3	550.3	546.1
5°	558.7	555.9	548.9	548.9	544.7
7.5°	555.9	553.1	544.7	546.1	541.9
10°	550.3	547.5	540.6	541.9	537.8
12.5°	543.3	540.6	535.0	536.4	532.2
15°	535.0	533.6	528.0	530.8	526.6
17.5°	525.2	523.8	519.7	523.8	521.0
20°	514.1	514.1	511.3	516.9	514.1
22.5°	501.5	501.5	500.1	508.5	505.7
25°	489.0	489.0	490.4	500.1	498.8
27.5°	475.1	476.5	480.6	491.8	490.4
30°	459.7	462.5	469.5	482.0	482.0
32.5°	443.0	445.8	457.0	472.3	472.3
35°	426.3	430.5	445.8	459.7	462.5
37.5°	406.8	413.8	431.9	448.6	451.4
40°	388.7	398.4	418.0	437.5	441.6
42.5°	369.2	381.7	405.4	427.7	431.9
45°	349.7	365.0	391.5	415.2	420.7
47.5°	330.2	346.9	378.9	404.0	412.4
50°	307.9	328.8	363.6	392.9	399.8
52.5°	287.0	310.7	349.7	380.3	390.1
55°	264.7	294.0	335.8	369.2	378.9
57.5°	245.2	274.5	320.4	358.0	367.8
60°	222.9	255.0	306.5	344.1	355.3
62.5°	200.6	238.2	292.6	333.0	345.5
65°	178.3	218.7	278.6	320.4	333.0
67.5°	157.4	200.6	263.3	307.9	321.8
70°	135.1	182.5	249.4	295.4	309.3
72.5°	114.2	165.8	236.8	282.8	298.1
75°	93.3	149.1	222.9	270.3	285.6
77.5°	73.8	133.7	209.0	259.1	275.8
80°	52.9	118.4	196.4	246.6	263.3
82.5°	36.2	104.5	185.3	235.4	250.8
85°	20.9	91.9	172.8	224.3	239.6
87.5°	8.4	80.8	160.2	211.8	228.5
90°	0.0	71.1	150.5	202.0	217.3
92.5°	0.0	62.7	140.7	190.9	207.6
95°	1.4	55.7	131.0	181.1	197.8
97.5°	0.0	48.8	122.6	171.4	186.7
100°	0.0	44.6	114.2	161.6	176.9
102.5°	0.0	39.0	105.9	151.9	167.2
105°	0.0	34.8	97.5	142.1	156.0
107.5°	0.0	32.0	90.6	133.7	146.3
110°	0.0	27.9	83.6	125.4	137.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.1	76.6	115.6	128.2
115°	0.0	22.3	71.1	107.3	118.4
117.5°	0.0	20.9	64.1	98.9	110.1
120°	0.0	18.1	58.5	91.9	101.7
122.5°	0.0	16.7	54.3	83.6	93.3
125°	0.0	13.9	48.8	76.6	85.0
127.5°	0.0	12.5	43.2	69.7	76.6
130°	0.0	11.1	39.0	62.7	69.7
132.5°	0.0	9.8	34.8	55.7	62.7
135°	0.0	8.4	30.6	50.2	55.7
137.5°	0.0	7.0	26.5	43.2	48.8
140°	0.0	5.6	22.3	37.6	41.8
142.5°	0.0	4.2	19.5	32.0	36.2
145°	0.0	2.8	15.3	27.9	30.6
147.5°	0.0	2.8	12.5	22.3	25.1
150°	0.0	1.4	8.4	18.1	19.5
152.5°	0.0	1.4	7.0	13.9	13.9
155°	0.0	1.4	4.2	8.4	9.8
157.5°	0.0	0.0	2.8	5.6	5.6
160°	0.0	0.0	1.4	2.8	4.2
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)