

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: P217922

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217922  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2306.0 lumens  
Efficiency: N/A  
Efficacy: 145.0 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

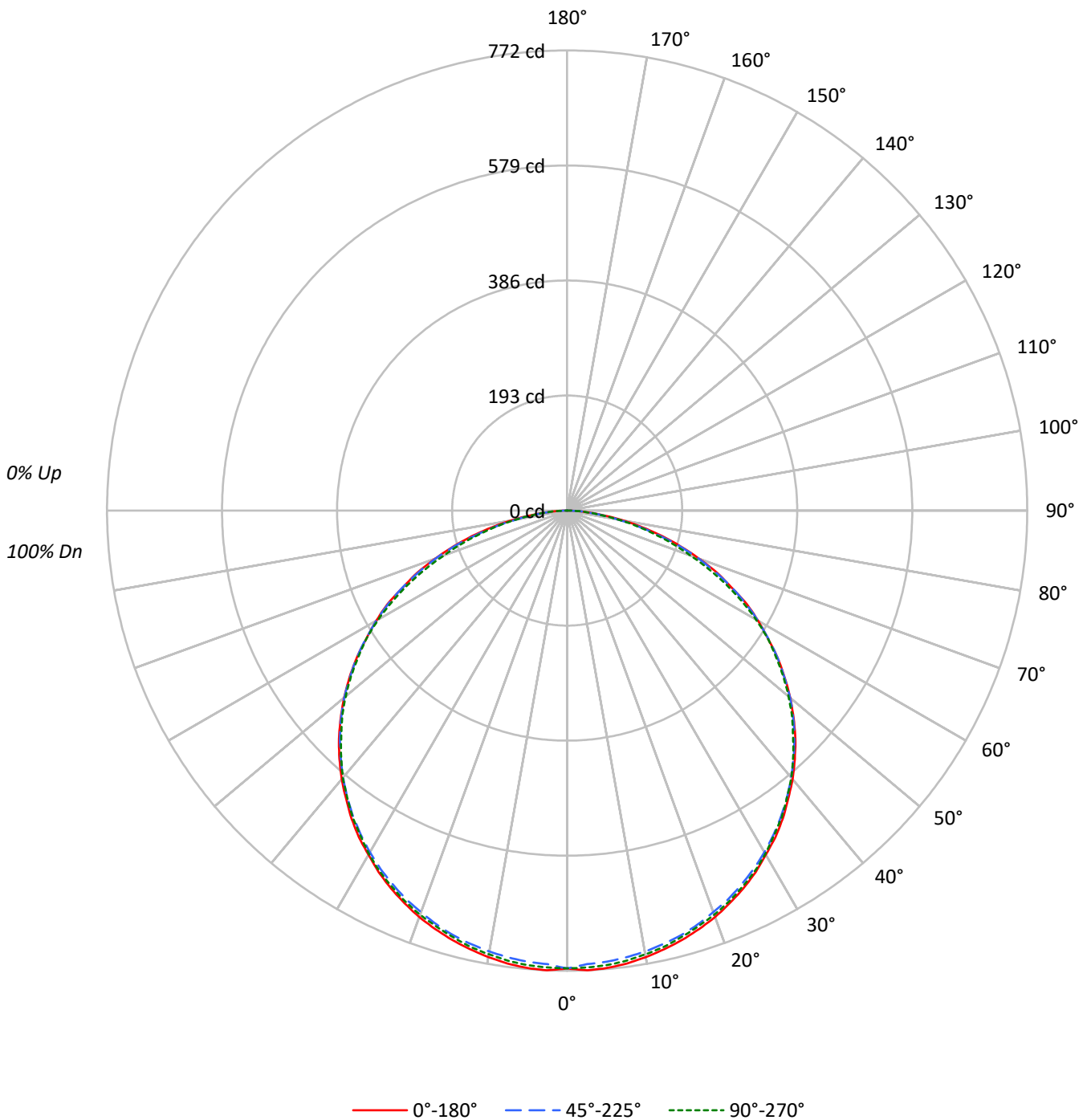
Input Watts (W): 15.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23					23			

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

	0°	45°	90°
0°	24751	24751	24751
5°	24742	23042	22775
10°	24536	21657	21031
15°	24335	20421	19496
20°	24154	19228	18146
25°	23938	18135	16883
30°	23669	17077	15691
35°	23446	16029	14522
40°	23141	14970	13391
45°	22778	13912	12212
50°	22293	12792	11092
55°	21656	11574	9892
60°	20835	10248	8637
65°	19648	8788	7156
70°	18034	7092	5534
75°	15673	5094	3965
80°	11952	3017	2462
85°	6641	1300	997



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.8	3.2
10°-20°	209.5	9.1
20°-30°	321.0	13.9
30°-40°	392.9	17.0
40°-50°	415.8	18.0
50°-60°	384.6	16.7
60°-70°	298.6	12.9
70°-80°	168.2	7.3
80°-90°	42.5	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°	603.3	26.2
0°-40°	996.3	43.2
0°-60°	1796.6	77.9
0°-90°	2306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2306.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	768	768	768	768	768	
5°	770	767	760	767	766	73
15°	746	743	738	744	741	211
25°	699	697	692	698	696	322
35°	631	628	626	628	628	394
45°	542	541	539	538	536	417
55°	431	433	431	430	428	385
65°	304	306	305	301	295	301
75°	165	165	158	154	151	174
85°	35	35	34	34	34	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	768.0	768.0	768.0	768.0	768.0
2.5°	772.0	768.8	761.6	768.8	767.2
5°	770.4	767.2	760.0	767.2	765.6
7.5°	766.4	764.0	756.0	763.2	761.6
10°	760.8	758.4	751.2	758.4	756.0
12.5°	753.6	751.2	744.9	751.2	749.7
15°	745.7	743.3	737.7	744.1	740.9
17.5°	736.1	734.5	728.1	734.5	731.3
20°	725.7	722.5	717.0	723.3	721.7
22.5°	713.0	711.4	705.8	711.4	709.8
25°	699.4	697.0	692.2	697.8	696.2
27.5°	684.3	682.7	677.9	681.9	681.9
30°	666.7	665.9	661.9	665.9	665.1
32.5°	650.0	648.4	644.4	647.6	646.0
35°	630.8	628.4	626.0	627.6	627.6
37.5°	609.3	608.5	606.1	608.5	606.1
40°	588.6	587.0	584.6	585.4	585.4
42.5°	565.4	564.6	562.2	562.2	561.4
45°	541.5	540.7	539.1	538.3	535.9
47.5°	515.2	514.4	514.4	513.6	512.0
50°	488.9	488.9	488.1	485.7	484.9
52.5°	460.2	461.8	459.4	457.8	457.0
55°	431.4	433.0	431.4	429.9	427.5
57.5°	399.5	402.7	400.3	399.5	398.8
60°	370.0	371.6	370.0	367.6	366.1
62.5°	339.7	339.7	337.3	335.7	331.0
65°	303.8	306.2	304.6	300.7	295.1
67.5°	271.9	270.4	268.8	264.0	257.6
70°	235.3	236.1	233.7	226.5	220.1
72.5°	200.2	201.8	197.0	187.4	185.8
75°	165.1	165.1	157.9	153.9	150.7
77.5°	129.2	130.0	120.4	119.6	118.8
80°	94.9	96.5	86.9	89.3	88.5
82.5°	64.6	63.0	59.0	59.0	58.2
85°	35.1	35.1	34.3	34.3	33.5
87.5°	13.6	14.4	16.0	17.5	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)