

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: P218166

Luminaire Tested: **2SNLED-LD5-22SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218166  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-22SL-LN-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2526.0 lumens  
Efficiency: N/A  
Efficacy: 146.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

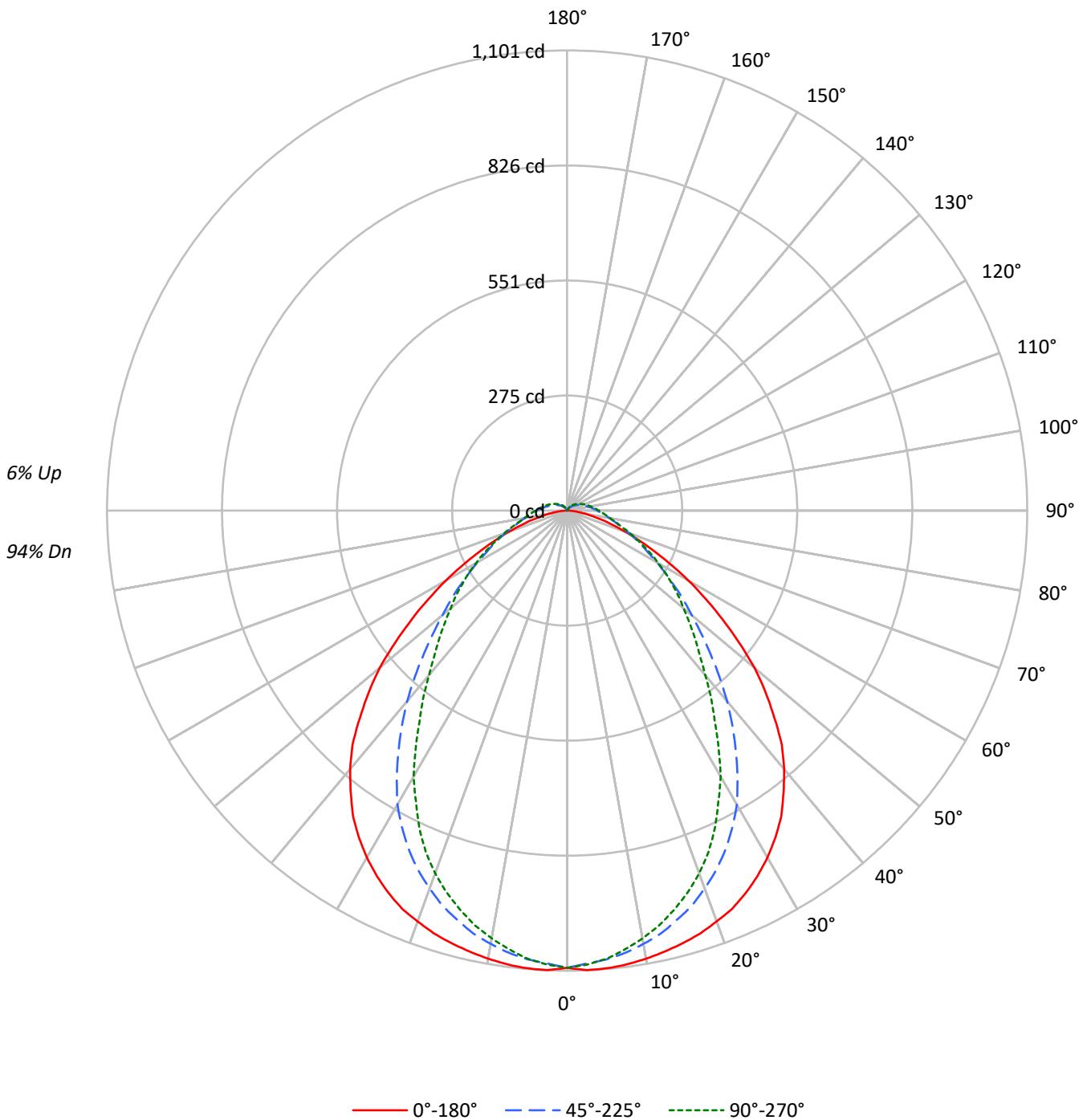
Input Watts (W): 17.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

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

	0°	45°	90°
0°	35253	35253	35253
5°	35305	32683	32026
10°	35107	30349	28915
15°	34961	28072	26019
20°	34815	25804	23223
25°	34572	23466	20300
30°	34017	20945	17331
35°	33192	18026	14259
40°	31759	15234	11751
45°	29504	12500	9856
50°	26703	10184	8311
55°	22781	8390	7083
60°	18887	6855	5933
65°	14804	5684	4906
70°	11320	4764	4048
75°	8335	4036	3363
80°	5529	3559	2888
85°	3027	3229	2612



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.8	4.1
10°-20°	288.6	11.4
20°-30°	418.0	16.5
30°-40°	454.9	18.0
40°-50°	404.0	16.0
50°-60°	307.5	12.2
60°-70°	204.2	8.1
70°-80°	124.4	4.9
80°-90°	77.1	3.1
90°-100°	52.7	2.1
100°-110°	37.0	1.5
110°-120°	25.2	1.0
120°-130°	16.0	0.6
130°-140°	9.1	0.4
140°-150°	4.3	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	809.5	32.0
0°-40°	1264.4	50.1
0°-60°	1975.9	78.2
0°-90°	2381.6	94.3
90°-120°	114.8	4.5
90°-150°	144.1	5.7
90°-180°	144.0	5.7
0°-180°	2526.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1094	1094	1094	1094	1094	
5°	1099	1093	1078	1083	1077	105
15°	1071	1053	1014	1002	989	303
25°	1010	965	896	860	837	465
35°	893	813	704	643	616	556
45°	701	596	484	443	432	540
55°	454	369	313	307	306	407
65°	229	197	197	205	202	231
75°	88	100	125	132	128	95
85°	16	51	85	90	88	19
90°	0	37	72	78	76	1
95°	0	29	61	68	66	0
105°	0	19	44	51	51	0
115°	0	12	32	39	37	0
125°	0	8	21	27	27	0
135°	0	5	15	19	19	0
145°	0	3	8	11	11	0
155°	0	0	0	0	0	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°	1093.9	1093.9	1093.9	1093.9	1093.9
2.5°	1100.6	1095.3	1084.6	1091.3	1087.3
5°	1099.3	1092.6	1078.0	1083.3	1076.6
7.5°	1095.3	1087.3	1067.3	1070.0	1059.3
10°	1088.6	1078.0	1052.7	1050.0	1039.4
12.5°	1080.6	1067.3	1036.7	1027.4	1016.8
15°	1071.3	1052.7	1014.1	1002.1	988.8
17.5°	1060.7	1035.4	991.5	972.8	958.2
20°	1046.0	1015.4	962.2	939.6	923.6
22.5°	1031.4	991.5	931.6	901.0	883.7
25°	1010.1	964.9	895.7	859.7	837.1
27.5°	986.2	934.2	855.7	809.1	783.9
30°	958.2	898.3	811.8	757.2	734.6
32.5°	927.6	858.4	758.6	700.0	674.7
35°	893.0	813.1	704.0	642.8	616.2
37.5°	850.4	763.9	649.4	586.9	565.6
40°	807.8	712.0	594.9	536.3	513.7
42.5°	759.9	654.8	539.0	485.8	469.8
45°	701.4	596.2	484.4	443.2	432.5
47.5°	644.1	536.3	435.2	405.9	396.6
50°	585.6	477.8	388.6	370.0	363.3
52.5°	517.7	420.5	350.0	338.0	335.4
55°	453.8	368.6	312.7	307.4	306.1
57.5°	392.6	319.4	278.1	282.1	279.5
60°	335.4	274.2	247.5	252.9	251.5
62.5°	279.5	232.9	219.6	230.2	227.6
65°	228.9	197.0	197.0	204.9	202.3
67.5°	185.0	167.7	175.7	183.7	181.0
70°	147.7	141.1	157.0	163.7	161.0
72.5°	114.5	118.4	138.4	146.4	142.4
75°	87.8	99.8	125.1	131.8	127.8
77.5°	62.5	83.8	113.1	118.4	114.5
80°	43.9	70.5	102.5	107.8	103.8
82.5°	27.9	59.9	93.2	98.5	95.8
85°	16.0	50.6	85.2	90.5	87.8
87.5°	8.0	43.9	77.2	83.8	81.2
90°	0.0	37.3	71.9	78.5	75.9
92.5°	0.0	33.3	66.5	73.2	70.5
95°	0.0	29.3	61.2	67.9	66.5
97.5°	0.0	26.6	57.2	63.9	61.2
100°	0.0	22.6	51.9	58.6	57.2
102.5°	0.0	21.3	47.9	54.6	53.2
105°	0.0	18.6	43.9	50.6	50.6
107.5°	0.0	17.3	41.3	47.9	46.6
110°	0.0	14.6	37.3	43.9	43.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.3	34.6	41.3	39.9
115°	0.0	12.0	31.9	38.6	37.3
117.5°	0.0	12.0	29.3	34.6	34.6
120°	0.0	10.6	26.6	31.9	31.9
122.5°	0.0	9.3	24.0	29.3	29.3
125°	0.0	8.0	21.3	26.6	26.6
127.5°	0.0	8.0	20.0	25.3	25.3
130°	0.0	6.7	17.3	22.6	22.6
132.5°	0.0	5.3	16.0	20.0	20.0
135°	0.0	5.3	14.6	18.6	18.6
137.5°	0.0	4.0	12.0	16.0	16.0
140°	0.0	4.0	10.6	14.6	14.6
142.5°	0.0	2.7	9.3	13.3	12.0
145°	0.0	2.7	8.0	10.6	10.6
147.5°	0.0	1.3	6.7	9.3	9.3
150°	0.0	1.3	5.3	8.0	6.7
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
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)