

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: P218046

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-22SL-LC-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2601.0 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

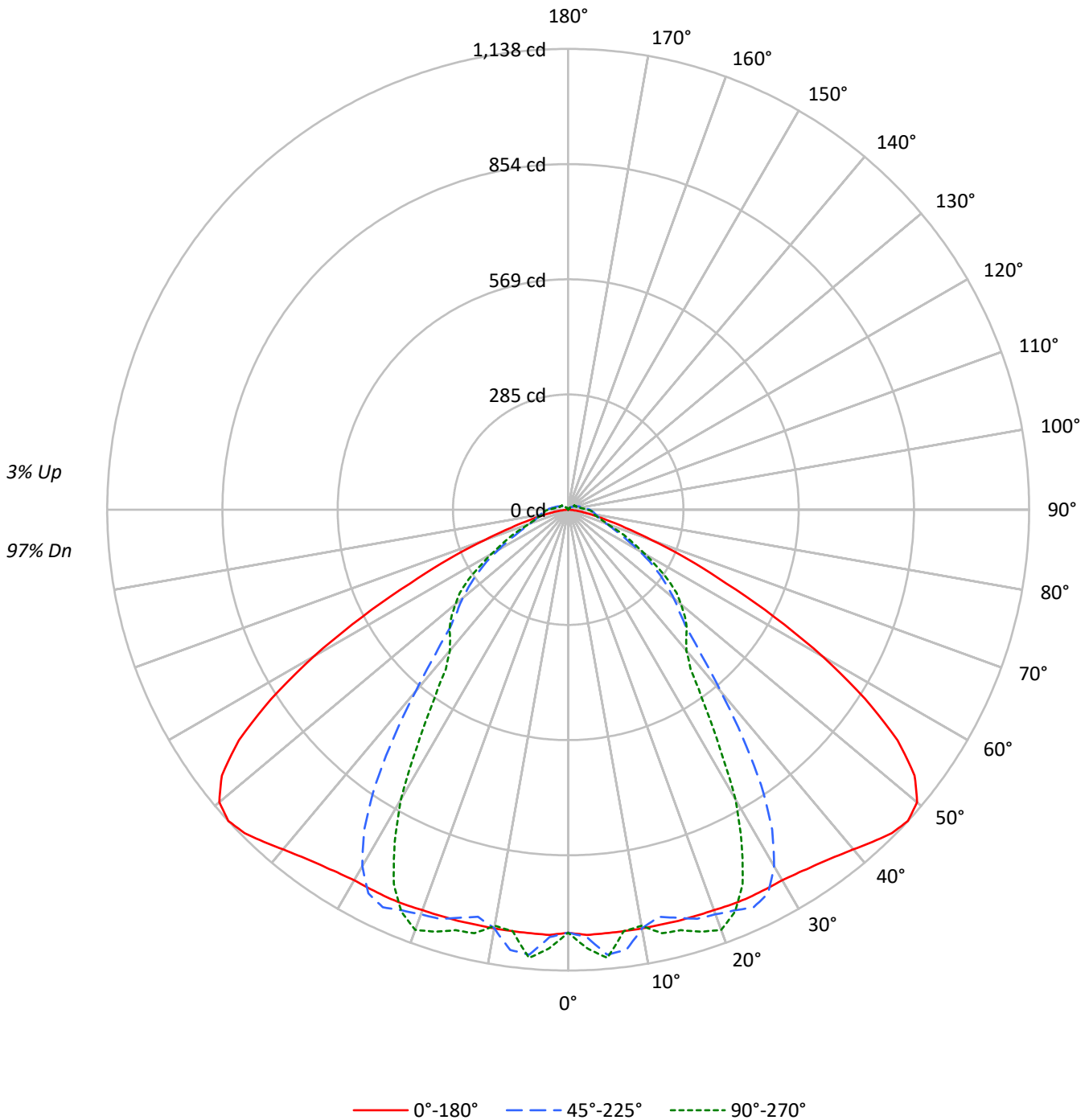
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33658	33658	33658
5°	33715	33441	33050
10°	33856	30265	29018
15°	34302	28875	28287
20°	35028	28510	27766
25°	36157	28374	24716
30°	37504	26226	19461
35°	39760	21258	13486
40°	43050	14991	10378
45°	47515	10645	9430
50°	51267	8926	8308
55°	49829	7319	6928
60°	40910	5529	5178
65°	27881	3993	3807
70°	17030	3029	2610
75°	9351	2575	2066
80°	5025	2403	1778
85°	2005	2319	1782



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	3.9
10°-20°	302.4	11.6
20°-30°	480.5	18.5
30°-40°	518.1	19.9
40°-50°	446.5	17.2
50°-60°	338.0	13.0
60°-70°	182.6	7.0
70°-80°	86.7	3.3
80°-90°	54.5	2.1
90°-100°	34.7	1.3
100°-110°	22.2	0.9
110°-120°	14.9	0.6
120°-130°	9.8	0.4
130°-140°	4.8	0.2
140°-150°	2.0	0.1
150°-160°	0.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	885.5	34.0
0°-40°	1403.6	54.0
0°-60°	2188.1	84.1
0°-90°	2511.9	96.6
90°-120°	71.7	2.8
90°-150°	88.3	3.4
90°-180°	89.0	3.4
0°-180°	2601.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1044	1044	1044	1044	1044	
5°	1050	1072	1103	1118	1111	100
15°	1051	1079	1043	1079	1075	298
25°	1056	1036	1083	1054	1019	489
35°	1070	1030	830	635	583	674
45°	1130	708	412	408	414	870
55°	993	306	273	298	299	863
65°	431	130	138	156	157	443
75°	98	68	80	80	78	116
85°	11	41	61	61	60	15
90°	0	32	53	52	48	1
95°	0	25	43	39	36	0
105°	0	16	29	27	24	0
115°	0	9	20	20	20	0
125°	0	5	13	17	16	0
135°	0	3	8	9	9	0
145°	0	1	4	5	4	0
155°	0	1	1	3	1	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°	1044.4	1044.4	1044.4	1044.4	1044.4
2.5°	1051.1	1052.4	1056.4	1076.4	1084.4
5°	1049.8	1072.4	1103.0	1117.6	1111.0
7.5°	1049.8	1096.3	1096.3	1068.4	1049.8
10°	1049.8	1109.6	1049.8	1044.4	1043.1
12.5°	1049.8	1101.7	1029.8	1067.1	1071.1
15°	1051.1	1079.0	1043.1	1079.0	1075.0
17.5°	1051.1	1052.4	1059.1	1087.0	1092.3
20°	1052.4	1035.1	1063.1	1108.3	1104.3
22.5°	1055.1	1032.5	1071.1	1099.0	1075.0
25°	1056.4	1036.5	1083.0	1053.8	1019.2
27.5°	1056.4	1041.8	1068.4	984.6	927.4
30°	1056.4	1044.4	1016.5	888.8	824.9
32.5°	1061.7	1041.8	936.7	763.7	694.5
35°	1069.7	1029.8	830.2	634.7	582.8
37.5°	1080.4	997.9	705.2	530.9	496.3
40°	1095.0	928.7	585.4	464.3	453.7
42.5°	1112.3	827.6	487.0	431.1	431.1
45°	1129.6	707.8	412.5	408.5	413.8
47.5°	1137.6	590.7	371.2	385.8	391.2
50°	1124.3	481.6	340.6	360.6	363.2
52.5°	1077.7	384.5	306.0	330.0	336.6
55°	992.6	306.0	272.8	298.0	299.4
57.5°	868.8	243.5	238.2	258.1	256.8
60°	726.5	196.9	199.6	219.5	219.5
62.5°	573.4	159.7	167.6	184.9	183.6
65°	431.1	130.4	138.4	155.7	157.0
67.5°	318.0	107.8	117.1	129.1	126.4
70°	222.2	90.5	99.8	106.4	103.8
72.5°	147.7	77.2	87.8	90.5	89.1
75°	98.5	67.9	79.8	79.8	78.5
77.5°	63.9	59.9	74.5	73.2	70.5
80°	39.9	53.2	69.2	66.5	63.9
82.5°	23.9	46.6	65.2	62.5	59.9
85°	10.6	41.2	61.2	61.2	59.9
87.5°	4.0	37.3	57.2	58.5	55.9
90°	0.0	31.9	53.2	51.9	47.9
92.5°	0.0	29.3	47.9	43.9	41.2
95°	0.0	25.3	42.6	38.6	35.9
97.5°	0.0	22.6	38.6	34.6	31.9
100°	0.0	20.0	34.6	30.6	27.9
102.5°	0.0	17.3	31.9	27.9	26.6
105°	0.0	16.0	29.3	26.6	23.9
107.5°	0.0	14.6	26.6	23.9	22.6
110°	0.0	12.0	23.9	22.6	21.3



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CANDELA DISTRIBUTION (continued):

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