

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: P218163

Luminaire Tested: **2SNLED-LD5-22SL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218163
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2155.0 lumens
Efficiency: N/A
Efficacy: 125.3 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

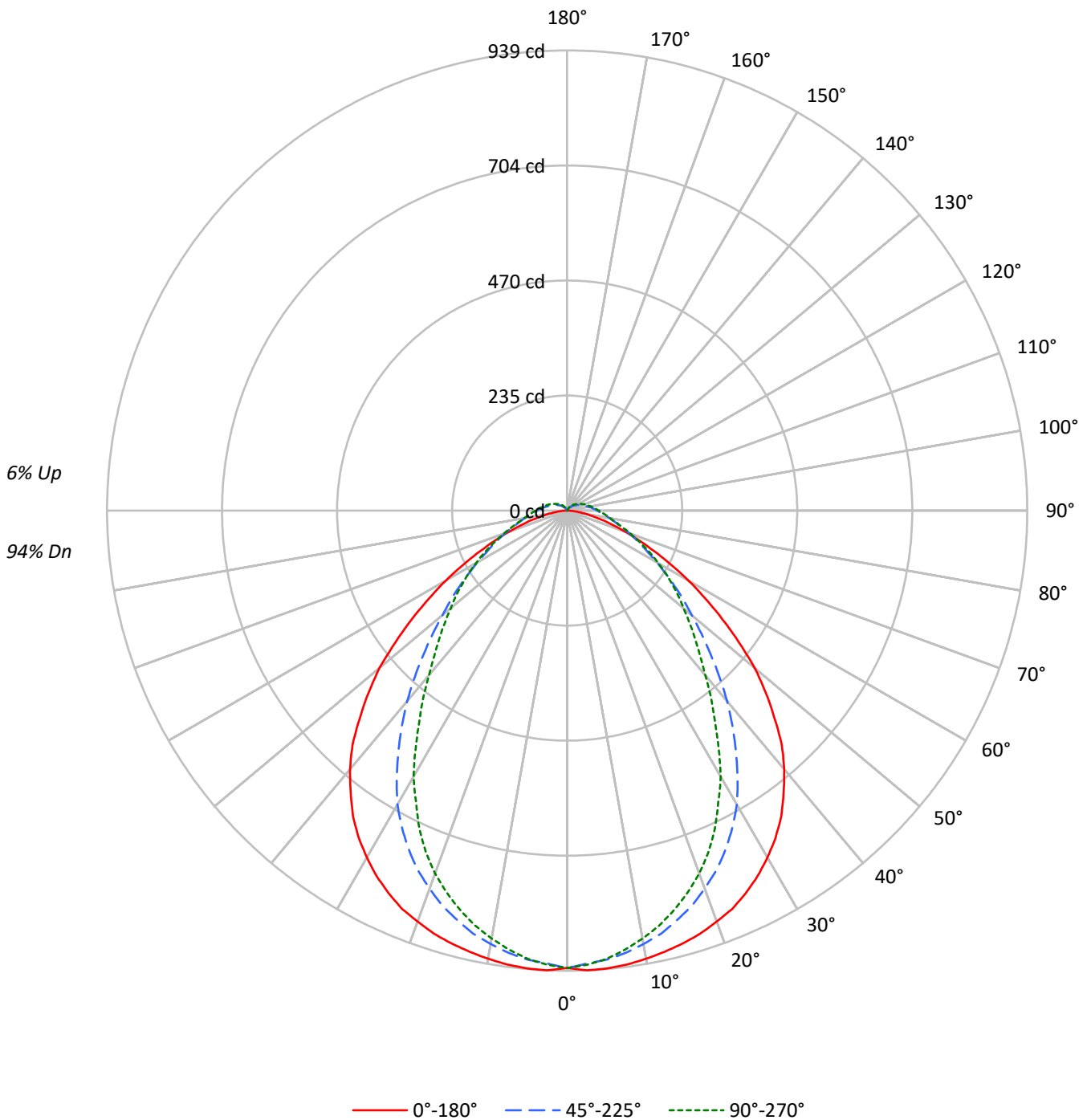
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	30078	30078	30078
5°	30118	27884	27323
10°	29950	25892	24667
15°	29827	23950	22198
20°	29703	22014	19813
25°	29493	20019	17320
30°	29022	17869	14785
35°	28315	15379	12165
40°	27096	12996	10026
45°	25167	10665	8409
50°	22781	8688	7091
55°	19438	7158	6042
60°	16110	5850	5063
65°	12631	4847	4186
70°	9657	4066	3455
75°	7110	3443	2868
80°	4723	3035	2465
85°	2573	2755	2228



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	4.1
10°-20°	246.3	11.4
20°-30°	356.6	16.5
30°-40°	388.1	18.0
40°-50°	344.7	16.0
50°-60°	262.4	12.2
60°-70°	174.2	8.1
70°-80°	106.1	4.9
80°-90°	65.8	3.1
90°-100°	44.9	2.1
100°-110°	31.5	1.5
110°-120°	21.5	1.0
120°-130°	13.6	0.6
130°-140°	7.7	0.4
140°-150°	3.6	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	690.6	32.0
0°-40°	1078.7	50.1
0°-60°	1685.7	78.2
0°-90°	2031.8	94.3
90°-120°	97.9	4.5
90°-150°	122.9	5.7
90°-180°	123.0	5.7
0°-180°	2155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	933	933	933	933	933	
5°	938	932	920	924	918	89
15°	914	898	865	855	844	258
25°	862	823	764	734	714	397
35°	762	694	601	548	526	475
45°	598	509	413	378	369	461
55°	387	314	267	262	261	347
65°	195	168	168	175	173	197
75°	75	85	107	112	109	81
85°	14	43	73	77	75	16
90°	0	32	61	67	65	1
95°	0	25	52	58	57	0
105°	0	16	38	43	43	0
115°	0	10	27	33	32	0
125°	0	7	18	23	23	0
135°	0	4	12	16	16	0
145°	0	2	7	9	9	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°	933.3	933.3	933.3	933.3	933.3
2.5°	939.0	934.4	925.3	931.0	927.6
5°	937.8	932.1	919.7	924.2	918.5
7.5°	934.4	927.6	910.6	912.8	903.8
10°	928.7	919.7	898.1	895.8	886.7
12.5°	921.9	910.6	884.5	876.5	867.4
15°	914.0	898.1	865.2	854.9	843.6
17.5°	904.9	883.3	845.9	830.0	817.5
20°	892.4	866.3	820.9	801.6	788.0
22.5°	879.9	845.9	794.8	768.6	753.9
25°	861.7	823.1	764.1	733.5	714.2
27.5°	841.3	797.0	730.0	690.3	668.7
30°	817.5	766.4	692.6	646.0	626.7
32.5°	791.4	732.3	647.2	597.2	575.6
35°	761.8	693.7	600.6	548.4	525.7
37.5°	725.5	651.7	554.1	500.7	482.5
40°	689.2	607.4	507.5	457.6	438.3
42.5°	648.3	558.6	459.8	414.4	400.8
45°	598.3	508.6	413.3	378.1	369.0
47.5°	549.5	457.6	371.3	346.3	338.3
50°	499.6	407.6	331.5	315.6	310.0
52.5°	441.7	358.8	298.6	288.4	286.1
55°	387.2	314.5	266.8	262.3	261.1
57.5°	334.9	272.5	237.3	240.7	238.4
60°	286.1	233.9	211.2	215.7	214.6
62.5°	238.4	198.7	187.3	196.4	194.1
65°	195.3	168.0	168.0	174.8	172.6
67.5°	157.8	143.1	149.9	156.7	154.4
70°	126.0	120.3	134.0	139.7	137.4
72.5°	97.6	101.0	118.1	124.9	121.5
75°	74.9	85.2	106.7	112.4	109.0
77.5°	53.4	71.5	96.5	101.0	97.6
80°	37.5	60.2	87.4	92.0	88.6
82.5°	23.8	51.1	79.5	84.0	81.7
85°	13.6	43.1	72.7	77.2	74.9
87.5°	6.8	37.5	65.9	71.5	69.3
90°	0.0	31.8	61.3	67.0	64.7
92.5°	0.0	28.4	56.8	62.4	60.2
95°	0.0	25.0	52.2	57.9	56.8
97.5°	0.0	22.7	48.8	54.5	52.2
100°	0.0	19.3	44.3	50.0	48.8
102.5°	0.0	18.2	40.9	46.6	45.4
105°	0.0	15.9	37.5	43.1	43.1
107.5°	0.0	14.8	35.2	40.9	39.7
110°	0.0	12.5	31.8	37.5	37.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.4	29.5	35.2	34.1
115°	0.0	10.2	27.2	32.9	31.8
117.5°	0.0	10.2	25.0	29.5	29.5
120°	0.0	9.1	22.7	27.2	27.2
122.5°	0.0	7.9	20.4	25.0	25.0
125°	0.0	6.8	18.2	22.7	22.7
127.5°	0.0	6.8	17.0	21.6	21.6
130°	0.0	5.7	14.8	19.3	19.3
132.5°	0.0	4.5	13.6	17.0	17.0
135°	0.0	4.5	12.5	15.9	15.9
137.5°	0.0	3.4	10.2	13.6	13.6
140°	0.0	3.4	9.1	12.5	12.5
142.5°	0.0	2.3	7.9	11.4	10.2
145°	0.0	2.3	6.8	9.1	9.1
147.5°	0.0	1.1	5.7	7.9	7.9
150°	0.0	1.1	4.5	6.8	5.7
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)