

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: P218043

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218043
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2219.0 lumens
Efficiency: N/A
Efficacy: 129.0 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

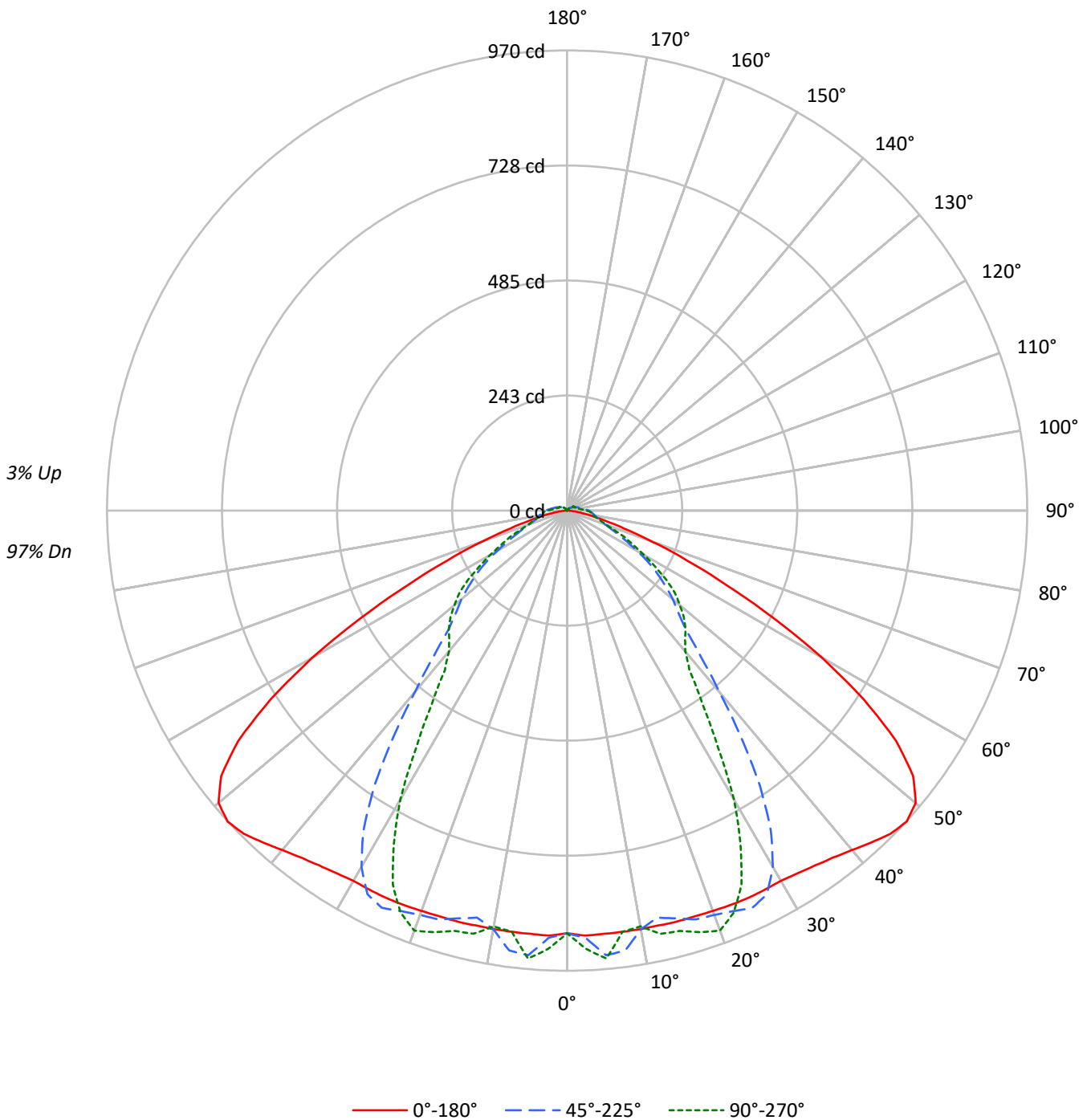
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	57	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°	28718	28718	28718
5°	28763	28529	28195
10°	28883	25820	24756
15°	29263	24634	24135
20°	29886	24321	23688
25°	30848	24208	21086
30°	31997	22374	16604
35°	33921	18137	11505
40°	36728	12788	8855
45°	40537	9081	8044
50°	43739	7616	7089
55°	42510	6243	5910
60°	34901	4717	4419
65°	23788	3407	3247
70°	14532	2583	2225
75°	7974	2197	1763
80°	4295	2049	1516
85°	1722	1978	1520



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	3.9
10°-20°	258.0	11.6
20°-30°	409.9	18.5
30°-40°	442.0	19.9
40°-50°	380.9	17.2
50°-60°	288.4	13.0
60°-70°	155.8	7.0
70°-80°	74.0	3.3
80°-90°	46.5	2.1
90°-100°	29.6	1.3
100°-110°	18.9	0.9
110°-120°	12.7	0.6
120°-130°	8.4	0.4
130°-140°	4.1	0.2
140°-150°	1.7	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	755.5	34.0
0°-40°	1197.4	54.0
0°-60°	1866.7	84.1
0°-90°	2143.0	96.6
90°-120°	61.1	2.8
90°-150°	75.3	3.4
90°-180°	76.0	3.4
0°-180°	2219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	891	891	891	891	891	
5°	896	915	941	954	948	85
15°	897	921	890	921	917	254
25°	901	884	924	899	870	417
35°	913	879	708	541	497	575
45°	964	604	352	348	353	742
55°	847	261	233	254	255	737
65°	368	111	118	133	134	378
75°	84	58	68	68	67	99
85°	9	35	52	52	51	13
90°	0	27	45	44	41	0
95°	0	22	36	33	31	0
105°	0	14	25	23	20	0
115°	0	8	17	17	17	0
125°	0	4	11	15	14	0
135°	0	2	7	8	8	0
145°	0	1	3	4	3	0
155°	0	1	1	2	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°	891.1	891.1	891.1	891.1	891.1
2.5°	896.7	897.9	901.3	918.3	925.1
5°	895.6	914.9	941.0	953.5	947.8
7.5°	895.6	935.3	935.3	911.5	895.6
10°	895.6	946.7	895.6	891.1	889.9
12.5°	895.6	939.9	878.6	910.3	913.8
15°	896.7	920.6	889.9	920.6	917.2
17.5°	896.7	897.9	903.5	927.4	931.9
20°	897.9	883.1	906.9	945.5	942.1
22.5°	900.1	880.8	913.8	937.6	917.2
25°	901.3	884.2	924.0	899.0	869.5
27.5°	901.3	888.8	911.5	840.0	791.2
30°	901.3	891.1	867.2	758.2	703.8
32.5°	905.8	888.8	799.1	651.5	592.5
35°	912.6	878.6	708.3	541.4	497.2
37.5°	921.7	851.3	601.6	452.9	423.4
40°	934.2	792.3	499.4	396.1	387.1
42.5°	948.9	706.0	415.4	367.8	367.8
45°	963.7	603.9	351.9	348.5	353.0
47.5°	970.5	504.0	316.7	329.2	333.7
50°	959.2	410.9	290.6	307.6	309.9
52.5°	919.4	328.0	261.1	281.5	287.2
55°	846.8	261.1	232.7	254.3	255.4
57.5°	741.2	207.7	203.2	220.2	219.1
60°	619.8	168.0	170.3	187.3	187.3
62.5°	489.2	136.2	143.0	157.8	156.6
65°	367.8	111.2	118.1	132.8	133.9
67.5°	271.3	91.9	99.9	110.1	107.8
70°	189.6	77.2	85.1	90.8	88.5
72.5°	126.0	65.8	74.9	77.2	76.1
75°	84.0	57.9	68.1	68.1	67.0
77.5°	54.5	51.1	63.6	62.4	60.2
80°	34.1	45.4	59.0	56.8	54.5
82.5°	20.4	39.7	55.6	53.3	51.1
85°	9.1	35.2	52.2	52.2	51.1
87.5°	3.4	31.8	48.8	49.9	47.7
90°	0.0	27.2	45.4	44.3	40.9
92.5°	0.0	25.0	40.9	37.5	35.2
95°	0.0	21.6	36.3	32.9	30.6
97.5°	0.0	19.3	32.9	29.5	27.2
100°	0.0	17.0	29.5	26.1	23.8
102.5°	0.0	14.8	27.2	23.8	22.7
105°	0.0	13.6	25.0	22.7	20.4
107.5°	0.0	12.5	22.7	20.4	19.3
110°	0.0	10.2	20.4	19.3	18.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.1	18.2	18.2	18.2
115°	0.0	7.9	17.0	17.0	17.0
117.5°	0.0	6.8	14.8	17.0	17.0
120°	0.0	6.8	13.6	15.9	15.9
122.5°	0.0	5.7	12.5	15.9	15.9
125°	0.0	4.5	11.4	14.8	13.6
127.5°	0.0	3.4	10.2	12.5	12.5
130°	0.0	3.4	9.1	11.4	10.2
132.5°	0.0	2.3	7.9	9.1	9.1
135°	0.0	2.3	6.8	7.9	7.9
137.5°	0.0	2.3	5.7	6.8	5.7
140°	0.0	1.1	4.5	5.7	4.5
142.5°	0.0	1.1	4.5	5.7	4.5
145°	0.0	1.1	3.4	4.5	3.4
147.5°	0.0	1.1	2.3	3.4	3.4
150°	0.0	1.1	2.3	3.4	2.3
152.5°	0.0	1.1	2.3	2.3	1.1
155°	0.0	1.1	1.1	2.3	1.1
157.5°	0.0	1.1	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	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)