

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: P217919

Luminaire Tested: **2SNLED-LD5-20SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217919
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1967.0 lumens
Efficiency: N/A
Efficacy: 123.7 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

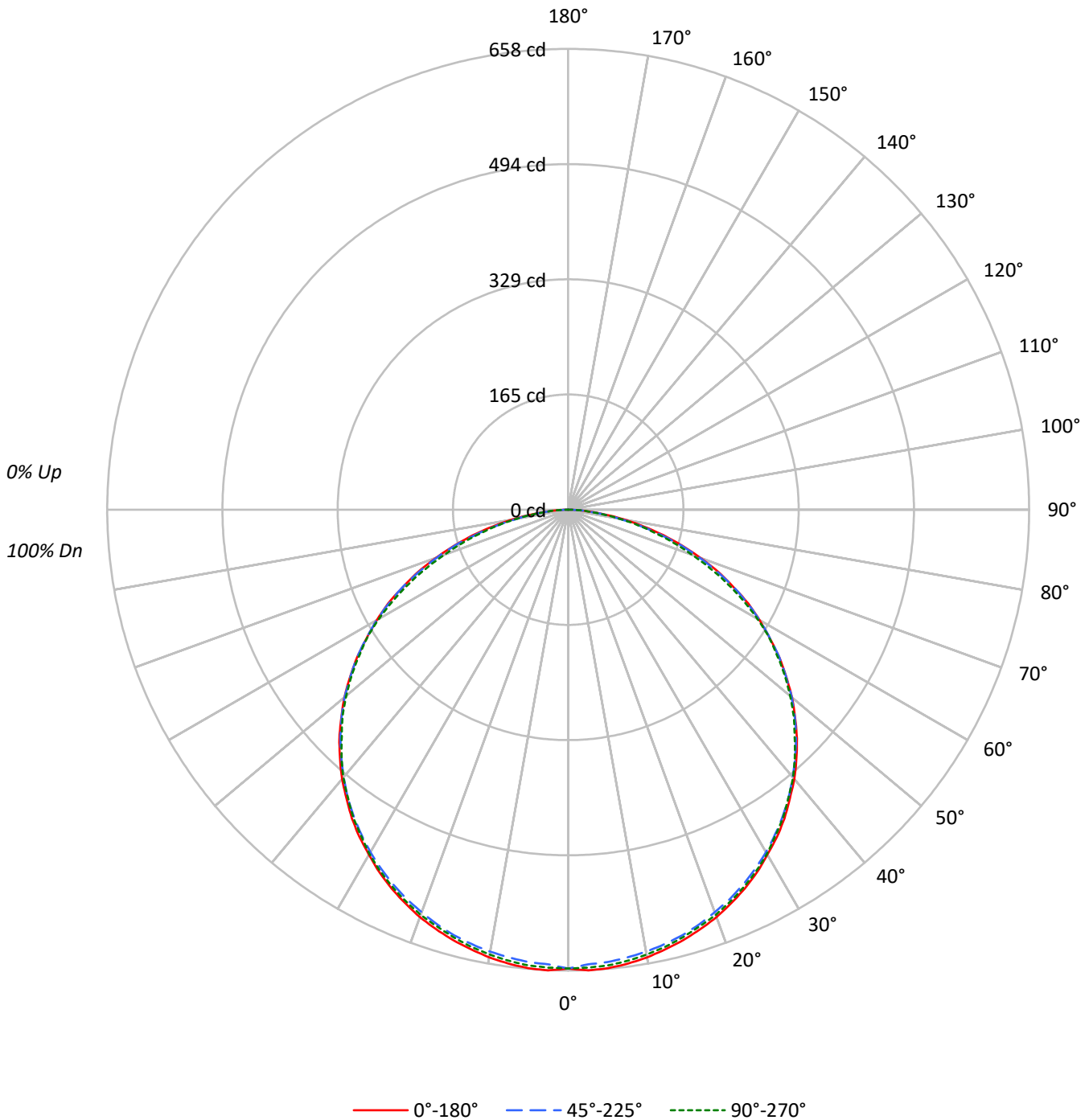
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21112	21112	21112
5°	21103	19655	19428
10°	20930	18474	17941
15°	20755	17417	16630
20°	20603	16402	15479
25°	20419	15471	14402
30°	20190	14567	13384
35°	20001	13673	12389
40°	19736	12768	11422
45°	19429	11868	10416
50°	19015	10910	9461
55°	18474	9873	8437
60°	17772	8742	7365
65°	16764	7499	6104
70°	15382	6048	4722
75°	13367	4346	3384
80°	10202	2573	2100
85°	5657	1110	851



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	3.2
10°-20°	178.7	9.1
20°-30°	273.8	13.9
30°-40°	335.2	17.0
40°-50°	354.7	18.0
50°-60°	328.0	16.7
60°-70°	254.7	13.0
70°-80°	143.5	7.3
80°-90°	36.3	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°	514.6	26.2
0°-40°	849.8	43.2
0°-60°	1532.5	77.9
0°-90°	1967.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1967.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	655	655	655	655	655	
5°	657	654	648	654	653	62
15°	636	634	629	635	632	180
25°	597	594	590	595	594	275
35°	538	536	534	535	535	336
45°	462	461	460	459	457	356
55°	368	369	368	367	365	328
65°	259	261	260	256	252	257
75°	141	141	135	131	129	148
85°	30	30	29	29	29	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	655.1	655.1	655.1	655.1	655.1
2.5°	658.5	655.8	649.7	655.8	654.4
5°	657.1	654.4	648.3	654.4	653.1
7.5°	653.7	651.7	644.9	651.0	649.7
10°	649.0	646.9	640.8	646.9	644.9
12.5°	642.8	640.8	635.4	640.8	639.4
15°	636.0	634.0	629.2	634.7	632.0
17.5°	627.9	626.5	621.1	626.5	623.8
20°	619.0	616.3	611.6	617.0	615.6
22.5°	608.2	606.8	602.0	606.8	605.4
25°	596.6	594.5	590.5	595.2	593.9
27.5°	583.7	582.3	578.2	581.6	581.6
30°	568.7	568.0	564.6	568.0	567.3
32.5°	554.4	553.1	549.7	552.4	551.0
35°	538.1	536.0	534.0	535.4	535.4
37.5°	519.7	519.0	517.0	519.0	517.0
40°	502.0	500.7	498.6	499.3	499.3
42.5°	482.3	481.6	479.6	479.6	478.9
45°	461.9	461.2	459.9	459.2	457.1
47.5°	439.4	438.8	438.8	438.1	436.7
50°	417.0	417.0	416.3	414.3	413.6
52.5°	392.5	393.9	391.8	390.5	389.8
55°	368.0	369.4	368.0	366.7	364.6
57.5°	340.8	343.5	341.5	340.8	340.1
60°	315.6	317.0	315.6	313.6	312.2
62.5°	289.8	289.8	287.8	286.4	282.3
65°	259.2	261.2	259.9	256.5	251.7
67.5°	232.0	230.6	229.2	225.2	219.7
70°	200.7	201.4	199.3	193.2	187.8
72.5°	170.7	172.1	168.0	159.9	158.5
75°	140.8	140.8	134.7	131.3	128.6
77.5°	110.2	110.9	102.7	102.0	101.4
80°	81.0	82.3	74.1	76.2	75.5
82.5°	55.1	53.7	50.3	50.3	49.7
85°	29.9	29.9	29.3	29.3	28.6
87.5°	11.6	12.2	13.6	15.0	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)