

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: P217927

Luminaire Tested: **2SNLED-LD5-28SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217927
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-LD5-28SL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2599.0 lumens
Efficiency: N/A
Efficacy: 129.3 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

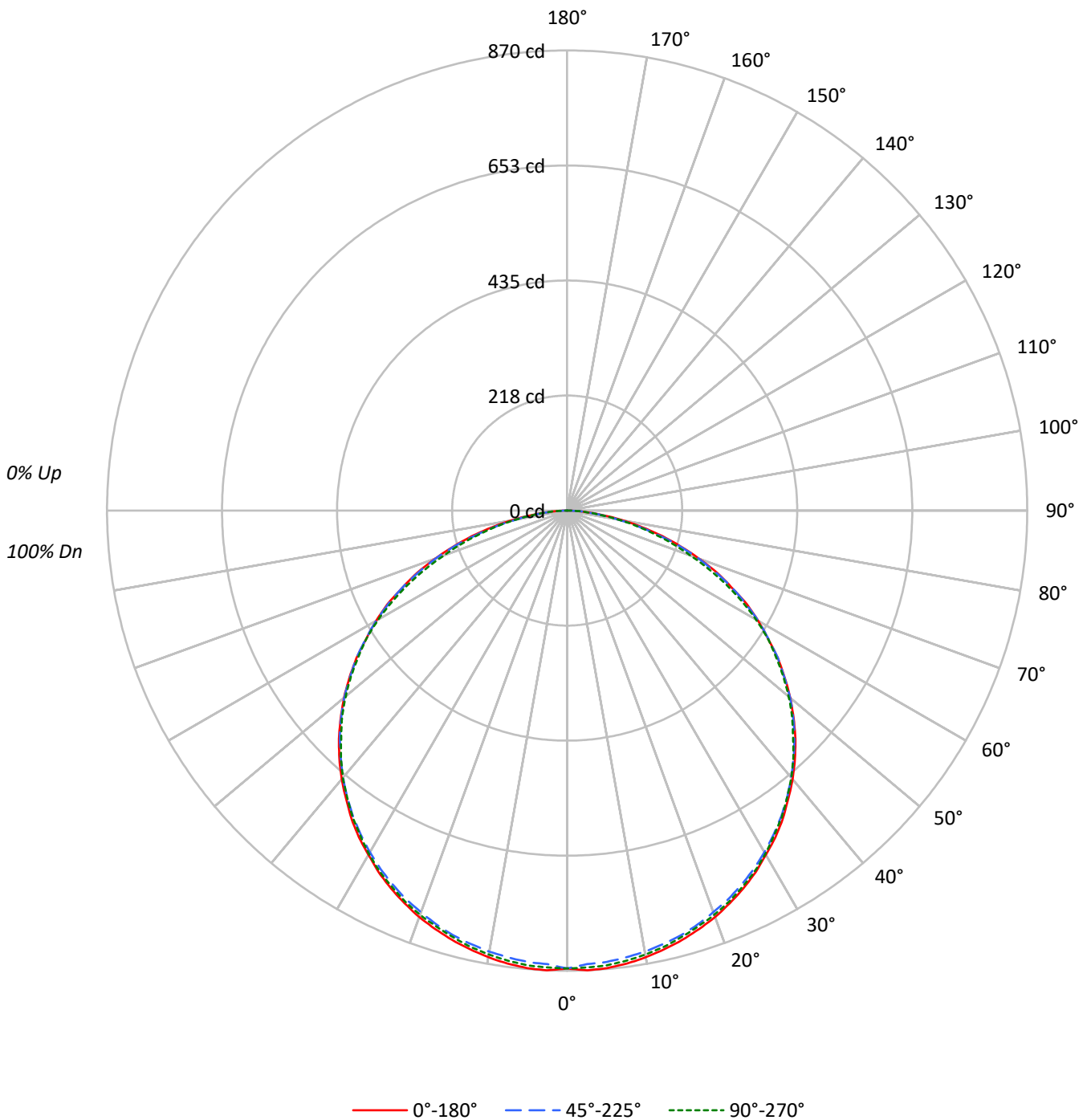
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27896	27896	27896
5°	27886	25971	25669
10°	27654	24410	23705
15°	27426	23014	21972
20°	27223	21671	20452
25°	26981	20440	19029
30°	26676	19247	17685
35°	26427	18067	16369
40°	26078	16870	15091
45°	25672	15679	13764
50°	25125	14417	12501
55°	24412	13047	11149
60°	23487	11553	9734
65°	22151	9908	8066
70°	20326	7993	6238
75°	17667	5743	4471
80°	13476	3403	2776
85°	7473	1463	1124



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	3.2
10°-20°	236.1	9.1
20°-30°	361.8	13.9
30°-40°	442.8	17.0
40°-50°	468.6	18.0
50°-60°	433.4	16.7
60°-70°	336.6	13.0
70°-80°	189.6	7.3
80°-90°	47.9	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°	680.0	26.2
0°-40°	1122.8	43.2
0°-60°	2024.9	77.9
0°-90°	2599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2599.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	866	866	866	866	866	
5°	868	865	857	865	863	83
15°	840	838	831	839	835	237
25°	788	786	780	786	785	363
35°	711	708	706	707	707	445
45°	610	609	608	607	604	470
55°	486	488	486	484	482	434
65°	342	345	343	339	333	340
75°	186	186	178	174	170	196
85°	40	40	39	39	38	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	865.6	865.6	865.6	865.6	865.6
2.5°	870.1	866.5	858.4	866.5	864.7
5°	868.3	864.7	856.6	864.7	862.9
7.5°	863.8	861.1	852.1	860.2	858.4
10°	857.5	854.8	846.7	854.8	852.1
12.5°	849.4	846.7	839.5	846.7	844.9
15°	840.4	837.7	831.4	838.6	835.0
17.5°	829.6	827.8	820.6	827.8	824.2
20°	817.9	814.3	808.1	815.2	813.4
22.5°	803.6	801.8	795.5	801.8	800.0
25°	788.3	785.6	780.2	786.5	784.7
27.5°	771.2	769.4	764.0	768.5	768.5
30°	751.4	750.5	746.0	750.5	749.6
32.5°	732.5	730.8	726.3	729.9	728.1
35°	711.0	708.3	705.6	707.4	707.4
37.5°	686.7	685.8	683.1	685.8	683.1
40°	663.3	661.5	658.8	659.7	659.7
42.5°	637.3	636.4	633.7	633.7	632.8
45°	610.3	609.4	607.6	606.7	604.0
47.5°	580.6	579.7	579.7	578.8	577.1
50°	551.0	551.0	550.1	547.4	546.5
52.5°	518.6	520.4	517.7	515.9	515.0
55°	486.3	488.1	486.3	484.5	481.8
57.5°	450.3	453.9	451.2	450.3	449.4
60°	417.1	418.9	417.1	414.4	412.6
62.5°	382.9	382.9	380.2	378.4	373.0
65°	342.5	345.2	343.4	338.9	332.6
67.5°	306.5	304.7	302.9	297.5	290.3
70°	265.2	266.1	263.4	255.3	248.1
72.5°	225.6	227.4	222.0	211.2	209.4
75°	186.1	186.1	178.0	173.5	169.9
77.5°	145.6	146.5	135.7	134.8	133.9
80°	107.0	108.8	98.0	100.7	99.8
82.5°	72.8	71.0	66.5	66.5	65.6
85°	39.5	39.5	38.6	38.6	37.8
87.5°	15.3	16.2	18.0	19.8	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)