

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: P217945

Luminaire Tested: **4SNLED-LD5-28SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217945
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: 4SNLED-LD5-28SL-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2949.0 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

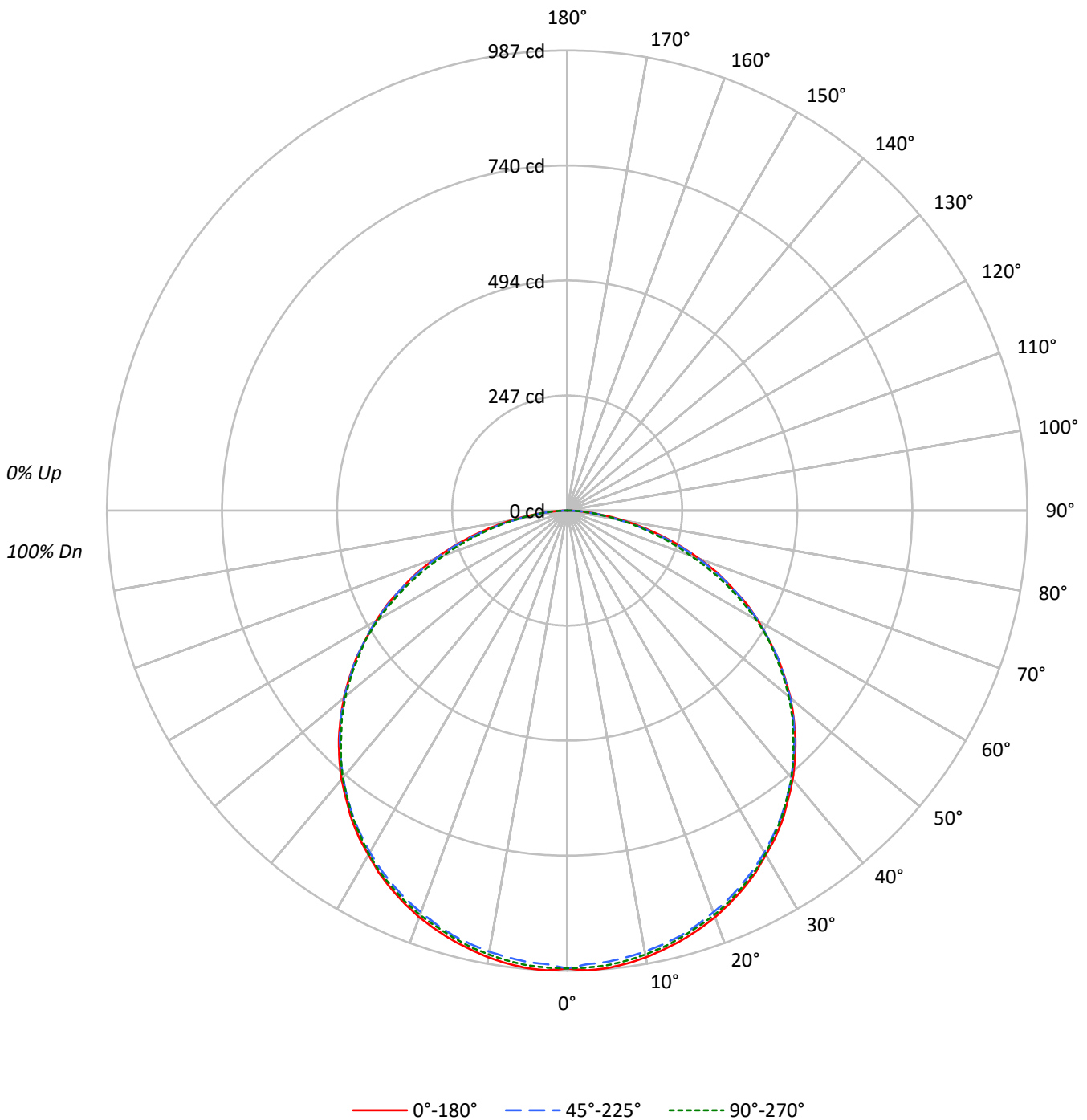
Input Watts (W): 19.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	15825	15825	15825
5°	15878	14769	14563
10°	15804	13912	13448
15°	15732	13144	12466
20°	15677	12399	11604
25°	15598	11716	10796
30°	15490	11051	10034
35°	15418	10390	9286
40°	15297	9719	8562
45°	15148	9046	7809
50°	14930	8333	7092
55°	14630	7554	6325
60°	14222	6701	5522
65°	13599	5758	4576
70°	12718	4655	3539
75°	11371	3353	2537
80°	9109	1993	1575
85°	5620	862	637



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	3.2
10°-20°	267.9	9.1
20°-30°	410.5	13.9
30°-40°	502.5	17.0
40°-50°	531.7	18.0
50°-60°	491.8	16.7
60°-70°	381.9	12.9
70°-80°	215.1	7.3
80°-90°	54.4	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°	771.6	26.2
0°-40°	1274.0	43.2
0°-60°	2297.6	77.9
0°-90°	2949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2949.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	985	981	972	981	979	94
15°	954	950	943	952	948	269
25°	894	891	885	892	890	412
35°	807	804	801	803	803	504
45°	692	692	689	688	685	534
55°	552	554	552	550	547	492
65°	389	392	390	384	377	386
75°	211	211	202	197	193	222
85°	45	45	44	44	43	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	982.1	982.1	982.1	982.1	982.1
2.5°	987.2	983.2	974.0	983.2	981.1
5°	985.2	981.1	971.9	981.1	979.1
7.5°	980.1	977.0	966.8	976.0	974.0
10°	973.0	969.9	960.7	969.9	966.8
12.5°	963.8	960.7	952.6	960.7	958.7
15°	953.6	950.5	943.4	951.5	947.5
17.5°	941.3	939.3	931.1	939.3	935.2
20°	928.1	924.0	916.9	925.0	923.0
22.5°	911.8	909.7	902.6	909.7	907.7
25°	894.4	891.4	885.3	892.4	890.4
27.5°	875.1	873.0	866.9	872.0	872.0
30°	852.6	851.6	846.5	851.6	850.6
32.5°	831.2	829.2	824.1	828.1	826.1
35°	806.7	803.7	800.6	802.6	802.6
37.5°	779.2	778.2	775.1	778.2	775.1
40°	752.7	750.6	747.6	748.6	748.6
42.5°	723.1	722.1	719.0	719.0	718.0
45°	692.5	691.5	689.4	688.4	685.4
47.5°	658.8	657.8	657.8	656.8	654.8
50°	625.2	625.2	624.2	621.1	620.1
52.5°	588.5	590.5	587.4	585.4	584.4
55°	551.8	553.8	551.8	549.7	546.7
57.5°	511.0	515.0	512.0	511.0	509.9
60°	473.2	475.3	473.2	470.2	468.1
62.5°	434.5	434.5	431.4	429.4	423.2
65°	388.6	391.6	389.6	384.5	377.4
67.5°	347.8	345.7	343.7	337.6	329.4
70°	300.9	301.9	298.8	289.6	281.5
72.5°	256.0	258.0	251.9	239.7	237.6
75°	211.1	211.1	201.9	196.8	192.8
77.5°	165.2	166.2	154.0	153.0	152.0
80°	121.4	123.4	111.2	114.2	113.2
82.5°	82.6	80.6	75.5	75.5	74.5
85°	44.9	44.9	43.9	43.9	42.8
87.5°	17.3	18.4	20.4	22.4	21.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)