

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: P217943

Luminaire Tested: **4SNLED-LD5-28SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217943  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2721.0 lumens  
Efficiency: N/A  
Efficacy: 141.0 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

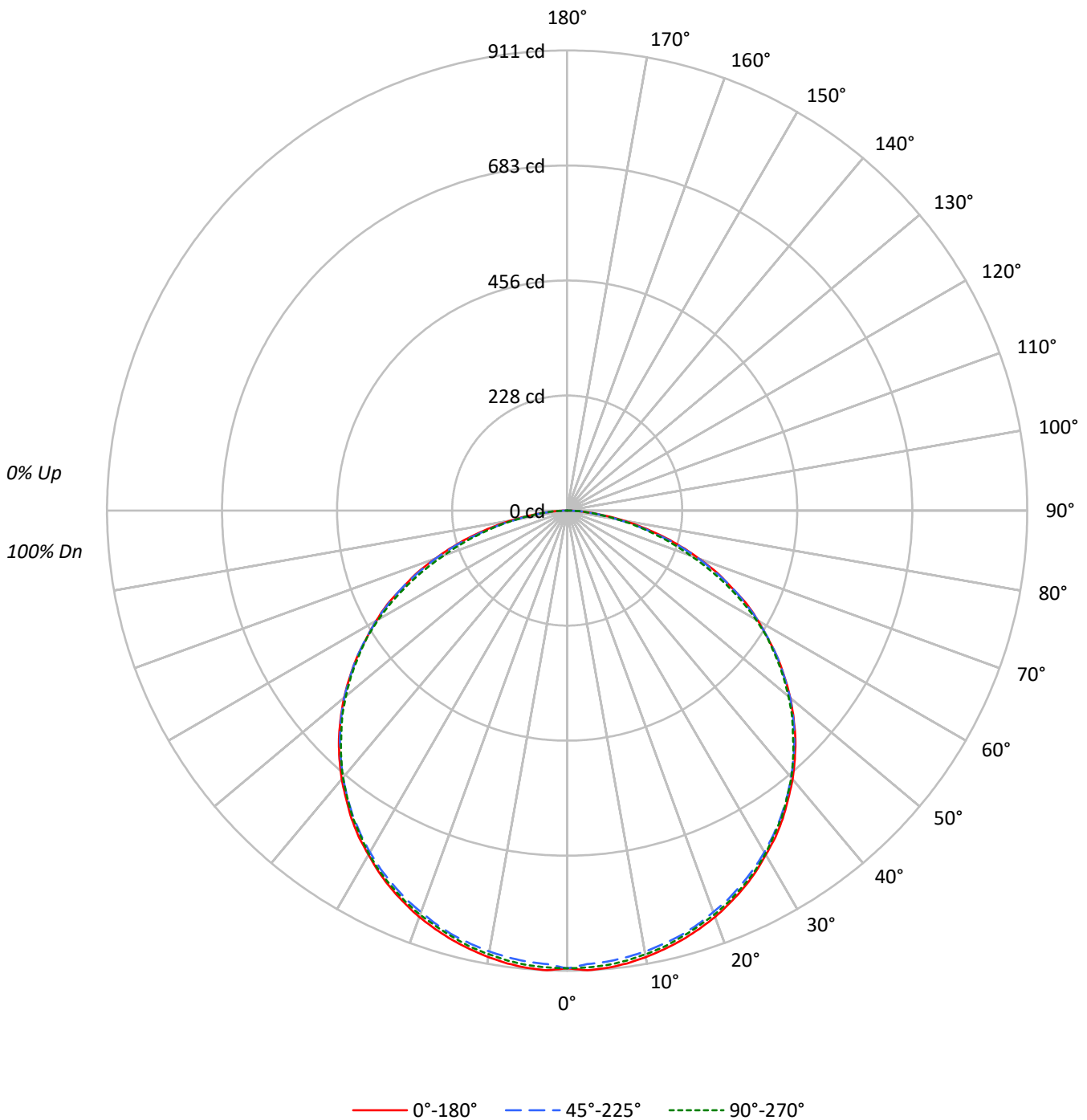
Input Watts (W): 19.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	14602	14602	14602
5°	14650	13628	13437
10°	14581	12836	12409
15°	14516	12127	11502
20°	14464	11440	10706
25°	14393	10809	9961
30°	14293	10197	9258
35°	14227	9586	8569
40°	14114	8967	7900
45°	13978	8347	7206
50°	13774	7688	6543
55°	13497	6970	5836
60°	13122	6182	5095
65°	12546	5313	4222
70°	11733	4296	3265
75°	10493	3094	2341
80°	8403	1839	1454
85°	5182	795	588



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.9	3.2
10°-20°	247.2	9.1
20°-30°	378.8	13.9
30°-40°	463.6	17.0
40°-50°	490.6	18.0
50°-60°	453.8	16.7
60°-70°	352.4	13.0
70°-80°	198.5	7.3
80°-90°	50.2	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°	711.9	26.2
0°-40°	1175.5	43.2
0°-60°	2120.0	77.9
0°-90°	2721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2721.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	906	906	906	906	906	
5°	909	905	897	905	903	86
15°	880	877	870	878	874	248
25°	825	822	817	823	822	380
35°	744	742	739	741	741	465
45°	639	638	636	635	632	492
55°	509	511	509	507	504	454
65°	358	361	360	355	348	356
75°	195	195	186	182	178	205
85°	41	41	40	40	40	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	906.2	906.2	906.2	906.2	906.2
2.5°	910.9	907.1	898.7	907.1	905.3
5°	909.0	905.3	896.8	905.3	903.4
7.5°	904.3	901.5	892.1	900.6	898.7
10°	897.7	894.9	886.4	894.9	892.1
12.5°	889.3	886.4	878.9	886.4	884.6
15°	879.9	877.0	870.4	878.0	874.2
17.5°	868.6	866.7	859.2	866.7	862.9
20°	856.3	852.6	846.0	853.5	851.6
22.5°	841.3	839.4	832.8	839.4	837.5
25°	825.3	822.5	816.8	823.4	821.5
27.5°	807.4	805.5	799.9	804.6	804.6
30°	786.7	785.8	781.1	785.8	784.8
32.5°	766.9	765.1	760.3	764.1	762.2
35°	744.4	741.5	738.7	740.6	740.6
37.5°	718.9	718.0	715.2	718.0	715.2
40°	694.5	692.6	689.8	690.7	690.7
42.5°	667.2	666.2	663.4	663.4	662.5
45°	639.0	638.0	636.1	635.2	632.4
47.5°	607.9	607.0	607.0	606.0	604.1
50°	576.8	576.8	575.9	573.1	572.1
52.5°	543.0	544.9	542.0	540.1	539.2
55°	509.1	511.0	509.1	507.2	504.4
57.5°	471.5	475.2	472.4	471.5	470.5
60°	436.6	438.5	436.6	433.8	431.9
62.5°	400.9	400.9	398.1	396.2	390.5
65°	358.5	361.4	359.5	354.8	348.2
67.5°	320.9	319.0	317.1	311.5	304.0
70°	277.6	278.5	275.7	267.3	259.7
72.5°	236.2	238.1	232.4	221.1	219.3
75°	194.8	194.8	186.3	181.6	177.9
77.5°	152.4	153.4	142.1	141.2	140.2
80°	112.0	113.9	102.6	105.4	104.5
82.5°	76.2	74.3	69.6	69.6	68.7
85°	41.4	41.4	40.5	40.5	39.5
87.5°	16.0	16.9	18.8	20.7	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)