

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: P217935

Luminaire Tested: **4SNLED-LD5-20SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217935  
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-LD5-20SL-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1883.0 lumens  
Efficiency: N/A  
Efficacy: 129.0 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

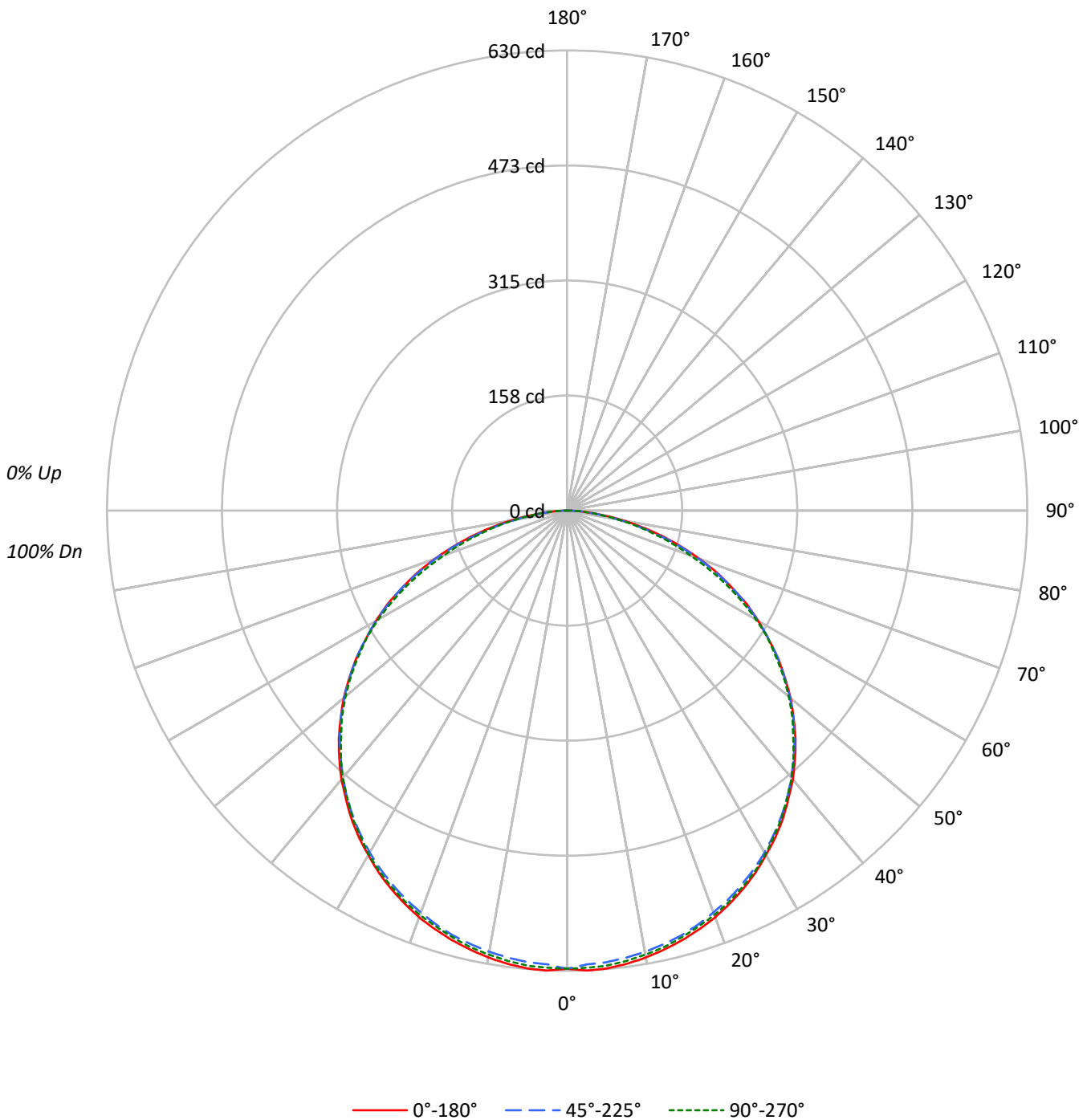
Input Watts (W): 14.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P217935

CATALOG NUMBER: 4SNLED-LD5-20SL-UNV-L830-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P217935

CATALOG NUMBER: 4SNLED-LD5-20SL-UNV-L830-CD1-U

**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°	10105	10105	10105
5°	10139	9431	9299
10°	10092	8883	8586
15°	10045	8393	7960
20°	10010	7916	7409
25°	9960	7481	6893
30°	9891	7056	6406
35°	9845	6634	5930
40°	9767	6205	5467
45°	9673	5776	4986
50°	9533	5320	4528
55°	9340	4823	4039
60°	9082	4279	3526
65°	8682	3677	2921
70°	8119	2973	2259
75°	7261	2141	1620
80°	5815	1272	1006
85°	3592	550	408



TEST NUMBER: P217935

CATALOG NUMBER: 4SNLED-LD5-20SL-UNV-L830-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.4	3.2
10°-20°	171.1	9.1
20°-30°	262.1	13.9
30°-40°	320.8	17.0
40°-50°	339.5	18.0
50°-60°	314.0	16.7
60°-70°	243.9	13.0
70°-80°	137.3	7.3
80°-90°	34.7	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°	492.7	26.2
0°-40°	813.5	43.2
0°-60°	1467.1	77.9
0°-90°	1883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1883.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	627	627	627	627	627	
5°	629	626	621	626	625	60
15°	609	607	602	608	605	172
25°	571	569	565	570	568	263
35°	515	513	511	512	512	322
45°	442	442	440	440	438	341
55°	352	354	352	351	349	314
65°	248	250	249	246	241	246
75°	135	135	129	126	123	142
85°	29	29	28	28	27	36
90°	0	0	0	0	0	



TEST NUMBER: P217935

CATALOG NUMBER: 4SNLED-LD5-20SL-UNV-L830-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	627.1	627.1	627.1	627.1	627.1
2.5°	630.4	627.8	621.9	627.8	626.5
5°	629.1	626.5	620.6	626.5	625.2
7.5°	625.8	623.9	617.3	623.2	621.9
10°	621.3	619.3	613.4	619.3	617.3
12.5°	615.4	613.4	608.2	613.4	612.1
15°	608.9	606.9	602.4	607.6	605.0
17.5°	601.1	599.8	594.6	599.8	597.2
20°	592.6	590.0	585.4	590.6	589.3
22.5°	582.2	580.9	576.3	580.9	579.6
25°	571.1	569.2	565.3	569.8	568.5
27.5°	558.7	557.4	553.5	556.8	556.8
30°	544.4	543.8	540.5	543.8	543.1
32.5°	530.7	529.4	526.2	528.8	527.5
35°	515.1	513.2	511.2	512.5	512.5
37.5°	497.5	496.9	494.9	496.9	494.9
40°	480.6	479.3	477.3	478.0	478.0
42.5°	461.7	461.1	459.1	459.1	458.5
45°	442.2	441.5	440.2	439.6	437.6
47.5°	420.7	420.0	420.0	419.4	418.1
50°	399.2	399.2	398.5	396.6	395.9
52.5°	375.7	377.1	375.1	373.8	373.1
55°	352.3	353.6	352.3	351.0	349.1
57.5°	326.3	328.9	326.9	326.3	325.6
60°	302.2	303.5	302.2	300.2	298.9
62.5°	277.4	277.4	275.5	274.2	270.3
65°	248.1	250.1	248.8	245.5	240.9
67.5°	222.1	220.8	219.5	215.6	210.3
70°	192.1	192.8	190.8	184.9	179.7
72.5°	163.5	164.8	160.8	153.0	151.7
75°	134.8	134.8	128.9	125.7	123.1
77.5°	105.5	106.1	98.3	97.7	97.0
80°	77.5	78.8	71.0	72.9	72.3
82.5°	52.7	51.4	48.2	48.2	47.5
85°	28.7	28.7	28.0	28.0	27.4
87.5°	11.1	11.7	13.0	14.3	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)