

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: P218415

Luminaire Tested: **4SNLED-LD5-19SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218415  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-19SL-RM-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1820.1 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

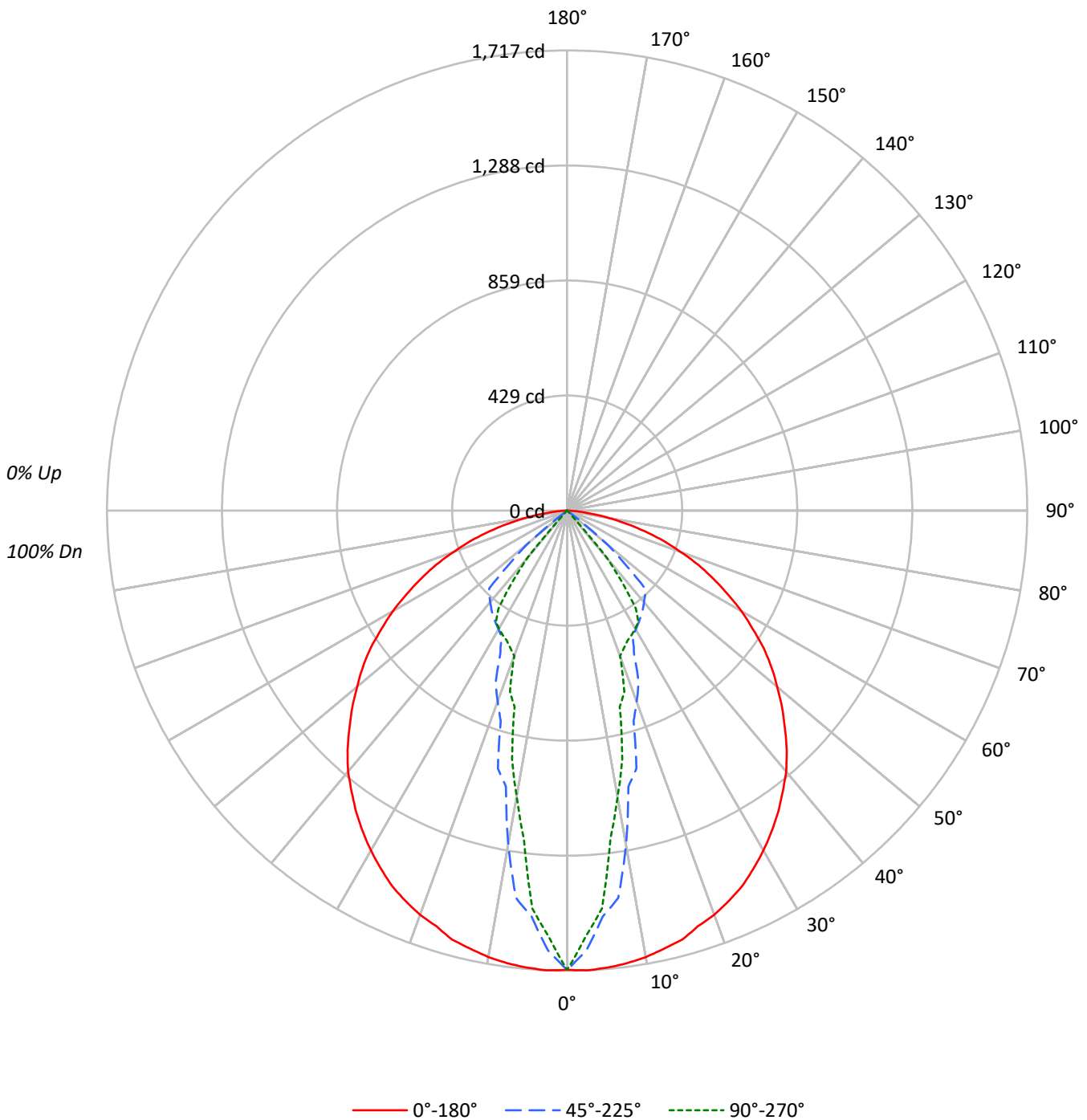
Input Watts (W): 14.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P218415

CATALOG NUMBER: 4SNLED-LD5-19SL-RM-UNV-L830-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P218415

CATALOG NUMBER: 4SNLED-LD5-19SL-RM-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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	27612	27612	27612
5°	27590	23099	22165
10°	27476	18319	15075
15°	27341	13886	9977
20°	27102	10242	7255
25°	26955	7822	6475
30°	26611	6684	5988
35°	26228	6233	5171
40°	25832	5798	2596
45°	25132	5391	10
50°	24432	2560	0
55°	23742	85	0
60°	22577	62	0
65°	21056	27	0
70°	19036	14	0
75°	16208	15	12
80°	11615	16	13
85°	5620	18	13



TEST NUMBER: P218415

CATALOG NUMBER: 4SNLED-LD5-19SL-RM-UNV-L830-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.4	7.8
10°-20°	304.9	16.8
20°-30°	363.7	20.0
30°-40°	387.0	21.3
40°-50°	282.7	15.5
50°-60°	180.6	9.9
60°-70°	108.7	6.0
70°-80°	42.4	2.3
80°-90°	8.6	0.5
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°	810.0	44.5
0°-40°	1197.0	65.8
0°-60°	1660.3	91.2
0°-90°	1820.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1820.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1714	1714	1714	1714	1714	
5°	1712	1628	1520	1493	1490	163
15°	1657	1414	997	777	758	467
25°	1546	985	591	538	534	711
35°	1372	651	480	480	447	858
45°	1149	421	411	2	1	887
55°	896	332	6	1	0	797
65°	602	136	2	1	0	595
75°	301	7	1	1	1	318
85°	45	1	1	1	1	62
90°	0	0	0	0	0	



TEST NUMBER: P218415

CATALOG NUMBER: 4SNLED-LD5-19SL-RM-UNV-L830-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1713.6	1713.6	1713.6	1713.6	1713.6
2.5°	1717.1	1705.7	1642.4	1616.0	1590.5
5°	1711.9	1628.3	1520.1	1492.8	1490.2
7.5°	1703.9	1550.0	1458.5	1301.9	1236.0
10°	1691.6	1499.0	1265.0	1133.0	1083.8
12.5°	1674.0	1423.3	1054.7	979.1	950.1
15°	1657.3	1413.6	996.7	776.8	758.3
17.5°	1625.7	1216.6	823.4	730.1	709.0
20°	1604.5	1126.9	757.4	633.4	577.1
22.5°	1576.4	1074.1	696.7	576.2	554.2
25°	1545.6	985.2	591.1	538.4	534.0
27.5°	1506.0	866.5	529.6	524.3	522.5
30°	1464.7	735.4	512.0	510.2	507.6
32.5°	1419.8	683.5	496.1	496.1	493.5
35°	1372.3	651.0	480.3	480.3	446.9
37.5°	1321.3	609.6	464.5	464.5	336.0
40°	1271.1	522.5	446.0	309.6	227.0
42.5°	1213.1	451.3	430.2	216.4	1.8
45°	1148.9	421.4	410.8	1.8	0.9
47.5°	1088.2	400.3	279.7	0.9	0.0
50°	1023.1	377.4	191.8	0.9	0.0
52.5°	961.5	356.3	8.8	0.9	0.0
55°	895.5	332.5	6.2	0.9	0.0
57.5°	820.7	309.6	5.3	0.9	0.0
60°	751.2	285.0	4.4	0.9	0.0
62.5°	674.7	241.9	2.6	0.9	0.0
65°	601.7	135.5	1.8	0.9	0.0
67.5°	529.6	22.0	1.8	0.9	0.0
70°	450.4	15.0	0.9	0.9	0.0
72.5°	377.4	11.4	0.9	0.9	0.9
75°	300.9	7.0	0.9	0.9	0.9
77.5°	225.2	4.4	0.9	0.9	0.9
80°	154.8	2.6	0.9	0.9	0.9
82.5°	93.2	0.9	0.9	0.9	0.9
85°	44.9	0.9	0.9	0.9	0.9
87.5°	14.1	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)