

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: P218399

Luminaire Tested: **2SNLED-LD5-19SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218399  
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: 2SNLED-LD5-19SL-RM-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1902.0 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

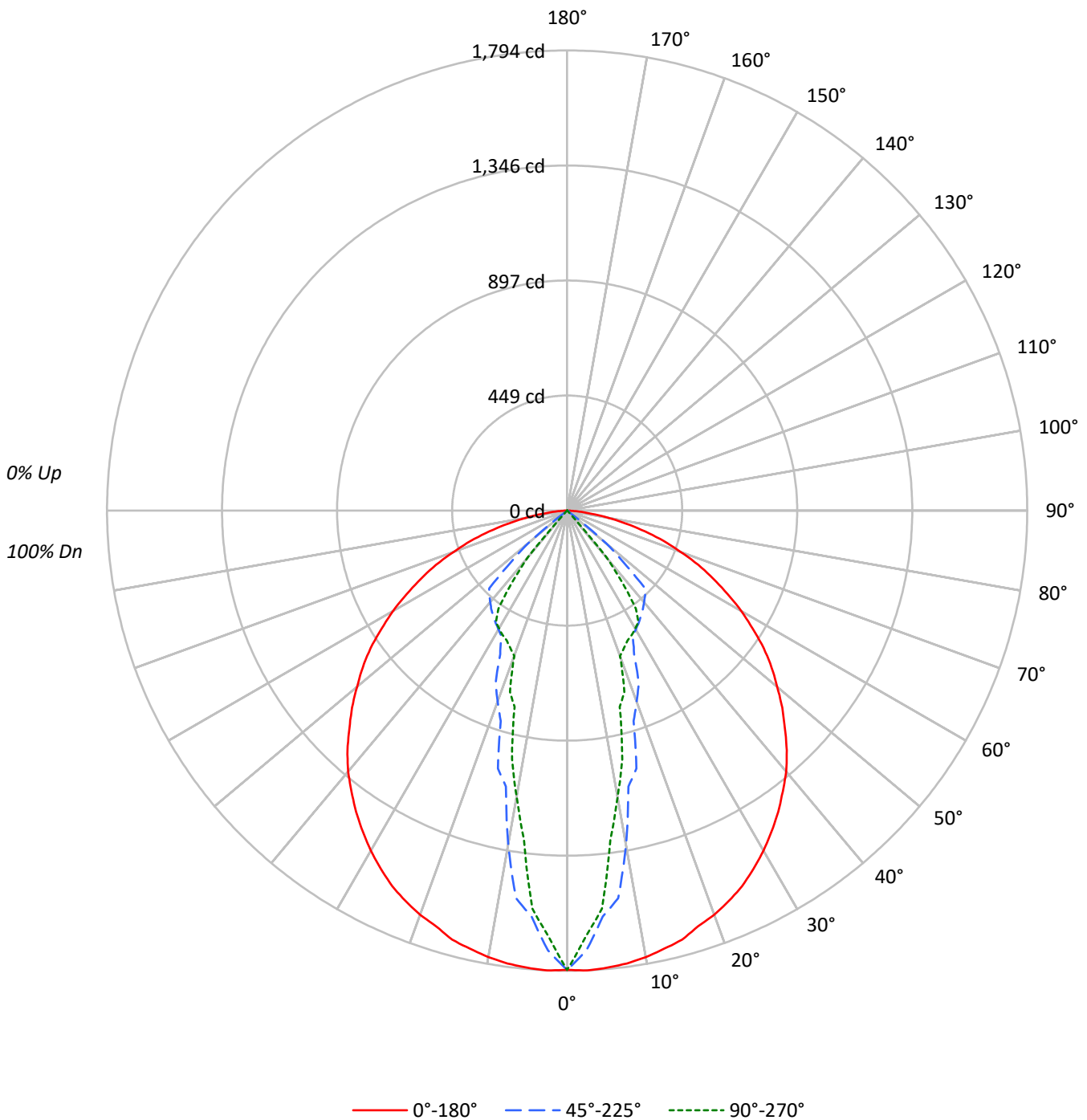
Input Watts (W): 15.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	93	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	45	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°	57713	57713	57713
5°	57455	48163	46326
10°	57011	38113	31508
15°	56522	28833	20853
20°	55811	21226	15164
25°	55282	16186	13532
30°	54342	13803	12513
35°	53304	12852	10806
40°	52226	11936	5426
45°	50502	11078	21
50°	48755	5252	0
55°	46982	172	0
60°	44209	127	0
65°	40668	52	0
70°	36076	27	0
75°	29847	29	24
80°	20378	31	25
85°	8873	34	27



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.8	7.8
10°-20°	318.6	16.8
20°-30°	380.1	20.0
30°-40°	404.4	21.3
40°-50°	295.5	15.5
50°-60°	188.7	9.9
60°-70°	113.6	6.0
70°-80°	44.3	2.3
80°-90°	9.0	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°	846.5	44.5
0°-40°	1250.9	65.8
0°-60°	1735.1	91.2
0°-90°	1902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1902.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1791	1791	1791	1791	1791	
5°	1789	1702	1589	1560	1557	170
15°	1732	1477	1042	812	792	488
25°	1615	1030	618	563	558	743
35°	1434	680	502	502	467	897
45°	1201	440	429	2	1	927
55°	936	348	6	1	0	833
65°	629	142	2	1	0	622
75°	314	7	1	1	1	332
85°	47	1	1	1	1	65
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1790.8	1790.8	1790.8	1790.8	1790.8
2.5°	1794.5	1782.6	1716.4	1688.8	1662.1
5°	1789.0	1701.7	1588.6	1560.1	1557.3
7.5°	1780.7	1619.8	1524.2	1360.6	1291.6
10°	1767.8	1566.5	1322.0	1184.1	1132.6
12.5°	1749.5	1487.5	1102.3	1023.2	992.9
15°	1732.0	1477.3	1041.6	811.8	792.5
17.5°	1698.9	1271.4	860.5	763.0	741.0
20°	1676.8	1177.6	791.5	661.9	603.1
22.5°	1647.4	1122.5	728.1	602.2	579.2
25°	1615.2	1029.6	617.8	562.6	558.0
27.5°	1573.9	905.5	553.4	547.9	546.1
30°	1530.7	768.5	535.0	533.2	530.4
32.5°	1483.8	714.3	518.5	518.5	515.7
35°	1434.1	680.3	501.9	501.9	467.0
37.5°	1380.8	637.1	485.4	485.4	351.2
40°	1328.4	546.1	466.1	323.6	237.2
42.5°	1267.7	471.6	449.5	226.2	1.8
45°	1200.6	440.4	429.3	1.8	0.9
47.5°	1137.2	418.3	292.3	0.9	0.0
50°	1069.2	394.4	200.4	0.9	0.0
52.5°	1004.8	372.3	9.2	0.9	0.0
55°	935.9	347.5	6.4	0.9	0.0
57.5°	857.7	323.6	5.5	0.9	0.0
60°	785.1	297.9	4.6	0.9	0.0
62.5°	705.1	252.8	2.8	0.9	0.0
65°	628.8	141.6	1.8	0.9	0.0
67.5°	553.4	23.0	1.8	0.9	0.0
70°	470.7	15.6	0.9	0.9	0.0
72.5°	394.4	12.0	0.9	0.9	0.9
75°	314.4	7.4	0.9	0.9	0.9
77.5°	235.3	4.6	0.9	0.9	0.9
80°	161.8	2.8	0.9	0.9	0.9
82.5°	97.4	0.9	0.9	0.9	0.9
85°	46.9	0.9	0.9	0.9	0.9
87.5°	14.7	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)