

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: P218400

Luminaire Tested: **2SNLED-LD5-19SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218400  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2020.1 lumens  
Efficiency: N/A  
Efficacy: 127.0 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

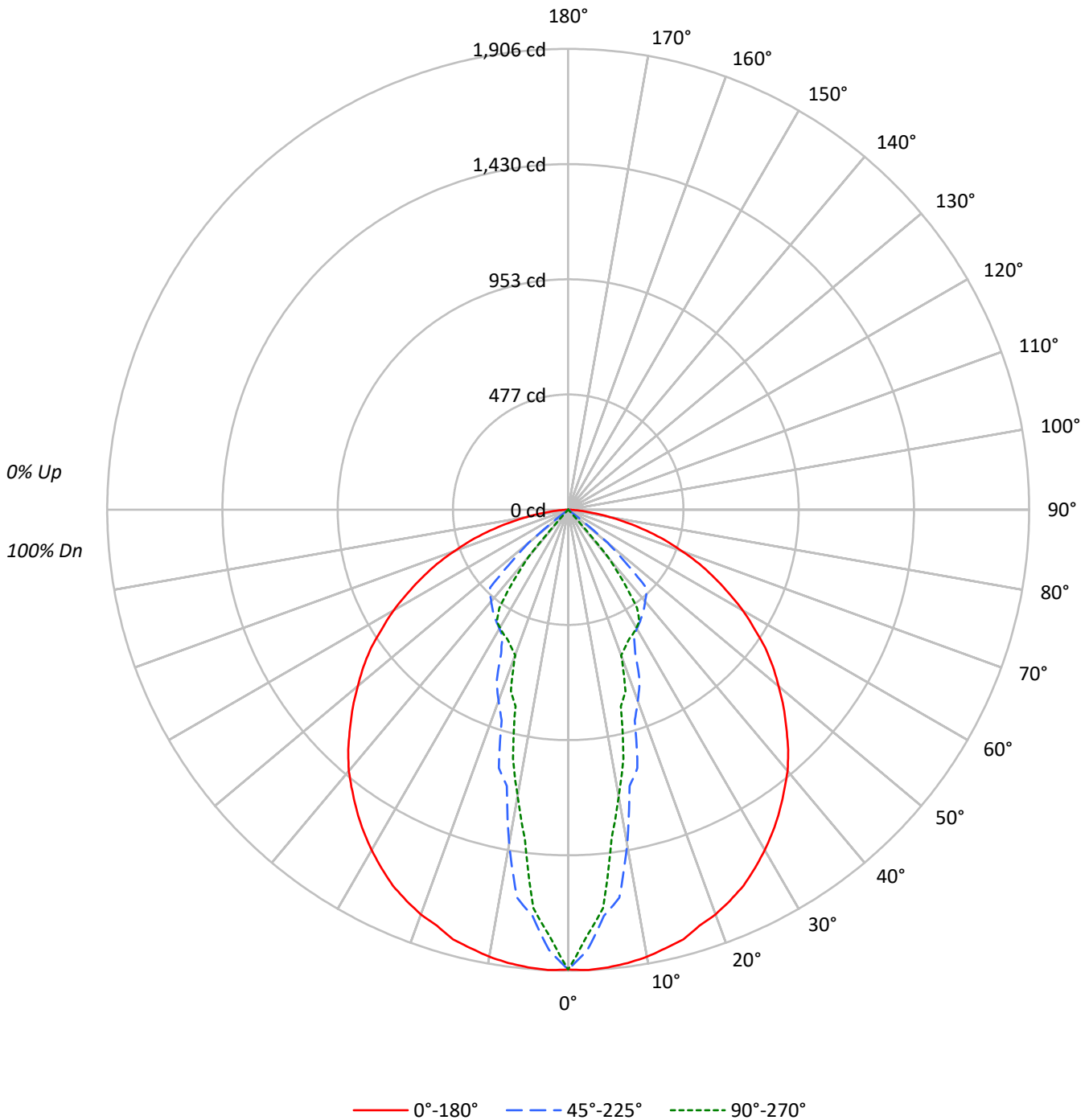
Input Watts (W): 15.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38

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

	0°	45°	90°
0°	61293	61293	61293
5°	61020	51150	49200
10°	60549	40477	33464
15°	60027	30621	22145
20°	59276	22543	16105
25°	58712	17189	14371
30°	57711	14660	13292
35°	56612	13650	11477
40°	55466	12676	5762
45°	53636	11767	23
50°	51778	5577	0
55°	49894	182	0
60°	46952	136	0
65°	43190	58	0
70°	38314	30	0
75°	31698	32	26
80°	21638	35	28
85°	9422	38	30



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.0	7.8
10°-20°	338.4	16.8
20°-30°	403.7	20.0
30°-40°	429.5	21.3
40°-50°	313.8	15.5
50°-60°	200.4	9.9
60°-70°	120.7	6.0
70°-80°	47.0	2.3
80°-90°	9.6	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°	899.0	44.5
0°-40°	1328.5	65.8
0°-60°	1842.8	91.2
0°-90°	2020.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2020.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1902	1902	1902	1902	1902	
5°	1900	1807	1687	1657	1654	181
15°	1839	1569	1106	862	842	518
25°	1715	1094	656	598	593	789
35°	1523	722	533	533	496	953
45°	1275	468	456	2	1	985
55°	994	369	7	1	0	885
65°	668	150	2	1	0	661
75°	334	8	1	1	1	353
85°	50	1	1	1	1	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1901.9	1901.9	1901.9	1901.9	1901.9
2.5°	1905.8	1893.1	1822.8	1793.6	1765.2
5°	1900.0	1807.2	1687.1	1656.9	1653.9
7.5°	1891.2	1720.3	1618.8	1445.0	1371.8
10°	1877.5	1663.7	1404.0	1257.5	1202.9
12.5°	1858.0	1579.7	1170.6	1086.7	1054.5
15°	1839.4	1569.0	1106.2	862.1	841.6
17.5°	1804.3	1350.3	913.9	810.4	786.9
20°	1780.9	1250.7	840.6	703.0	640.5
22.5°	1749.6	1192.1	773.3	639.5	615.1
25°	1715.4	1093.5	656.1	597.5	592.6
27.5°	1671.5	961.7	587.8	581.9	580.0
30°	1625.6	816.2	568.2	566.3	563.4
32.5°	1575.8	758.6	550.7	550.7	547.7
35°	1523.1	722.5	533.1	533.1	496.0
37.5°	1466.5	676.6	515.5	515.5	373.0
40°	1410.8	580.0	495.0	343.7	251.9
42.5°	1346.4	500.9	477.4	240.2	2.0
45°	1275.1	467.7	456.0	2.0	1.0
47.5°	1207.7	444.2	310.5	1.0	0.0
50°	1135.5	418.9	212.8	1.0	0.0
52.5°	1067.2	395.4	9.8	1.0	0.0
55°	993.9	369.1	6.8	1.0	0.0
57.5°	910.9	343.7	5.9	1.0	0.0
60°	833.8	316.3	4.9	1.0	0.0
62.5°	748.9	268.5	2.9	1.0	0.0
65°	667.8	150.4	2.0	1.0	0.0
67.5°	587.8	24.4	2.0	1.0	0.0
70°	499.9	16.6	1.0	1.0	0.0
72.5°	418.9	12.7	1.0	1.0	1.0
75°	333.9	7.8	1.0	1.0	1.0
77.5°	249.9	4.9	1.0	1.0	1.0
80°	171.8	2.9	1.0	1.0	1.0
82.5°	103.5	1.0	1.0	1.0	1.0
85°	49.8	1.0	1.0	1.0	1.0
87.5°	15.6	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)