

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: P218423

Luminaire Tested: **4SNLED-LD5-27SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218423  
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-LD5-27SL-RM-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2631.0 lumens  
Efficiency: N/A  
Efficacy: 136.3 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

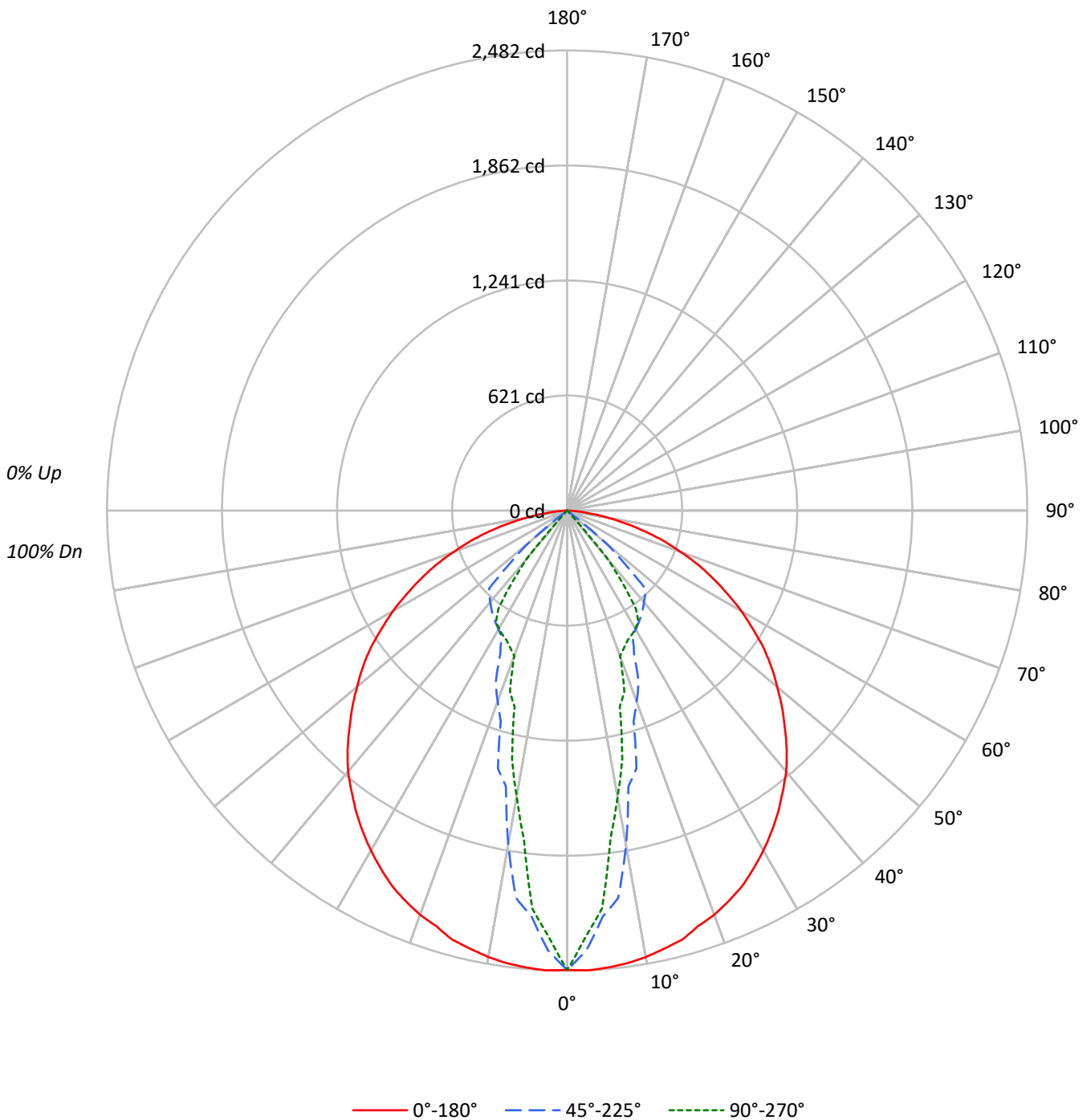
Input Watts (W): 19.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	39917	39917	39917
5°	39883	33391	32041
10°	39720	26482	21792
15°	39525	20073	14422
20°	39179	14806	10488
25°	38966	11310	9360
30°	38468	9662	8656
35°	37915	9010	7474
40°	37345	8381	3753
45°	36330	7793	15
50°	35319	3700	0
55°	34323	122	0
60°	32639	91	0
65°	30439	37	0
70°	27519	20	0
75°	23426	22	17
80°	16792	23	18
85°	8123	26	19



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.4	7.8
10°-20°	440.7	16.8
20°-30°	525.8	20.0
30°-40°	559.4	21.3
40°-50°	408.7	15.5
50°-60°	261.1	9.9
60°-70°	157.2	6.0
70°-80°	61.3	2.3
80°-90°	12.4	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°	1170.9	44.5
0°-40°	1730.3	65.8
0°-60°	2400.1	91.2
0°-90°	2631.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2631.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2477	2477	2477	2477	2477	
5°	2475	2354	2197	2158	2154	235
15°	2396	2044	1441	1123	1096	675
25°	2234	1424	855	778	772	1028
35°	1984	941	694	694	646	1241
45°	1661	609	594	2	1	1283
55°	1295	481	9	1	0	1152
65°	870	196	2	1	0	861
75°	435	10	1	1	1	459
85°	65	1	1	1	1	90
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2477.2	2477.2	2477.2	2477.2	2477.2
2.5°	2482.3	2465.8	2374.2	2336.1	2299.2
5°	2474.7	2353.9	2197.4	2158.0	2154.2
7.5°	2463.2	2240.7	2108.4	1882.1	1786.7
10°	2445.4	2166.9	1828.7	1637.9	1566.7
12.5°	2420.0	2057.6	1524.7	1415.4	1373.4
15°	2395.8	2043.6	1440.8	1122.9	1096.2
17.5°	2350.1	1758.7	1190.3	1055.5	1025.0
20°	2319.5	1629.0	1094.9	915.6	834.2
22.5°	2278.8	1552.7	1007.2	832.9	801.2
25°	2234.3	1424.3	854.6	778.3	771.9
27.5°	2177.1	1252.6	765.5	757.9	755.4
30°	2117.3	1063.1	740.1	737.6	733.8
32.5°	2052.5	988.1	717.2	717.2	713.4
35°	1983.8	941.0	694.3	694.3	646.0
37.5°	1910.1	881.3	671.4	671.4	485.8
40°	1837.6	755.4	644.7	447.6	328.1
42.5°	1753.6	652.4	621.8	312.8	2.5
45°	1660.8	609.1	593.9	2.5	1.3
47.5°	1573.1	578.6	404.4	1.3	0.0
50°	1479.0	545.5	277.2	1.3	0.0
52.5°	1389.9	515.0	12.7	1.3	0.0
55°	1294.6	480.7	8.9	1.3	0.0
57.5°	1186.5	447.6	7.6	1.3	0.0
60°	1086.0	412.0	6.4	1.3	0.0
62.5°	975.4	349.7	3.8	1.3	0.0
65°	869.8	195.8	2.5	1.3	0.0
67.5°	765.5	31.8	2.5	1.3	0.0
70°	651.1	21.6	1.3	1.3	0.0
72.5°	545.5	16.5	1.3	1.3	1.3
75°	434.9	10.2	1.3	1.3	1.3
77.5°	325.5	6.4	1.3	1.3	1.3
80°	223.8	3.8	1.3	1.3	1.3
82.5°	134.8	1.3	1.3	1.3	1.3
85°	64.9	1.3	1.3	1.3	1.3
87.5°	20.3	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)