

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: STREETWORKS

Report Number: P510330

Luminaire Tested: **VERD-M-CA4-250-740-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510330  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-181-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/6/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-M-CA4-250-740-U-T5  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 4000K, 1130mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

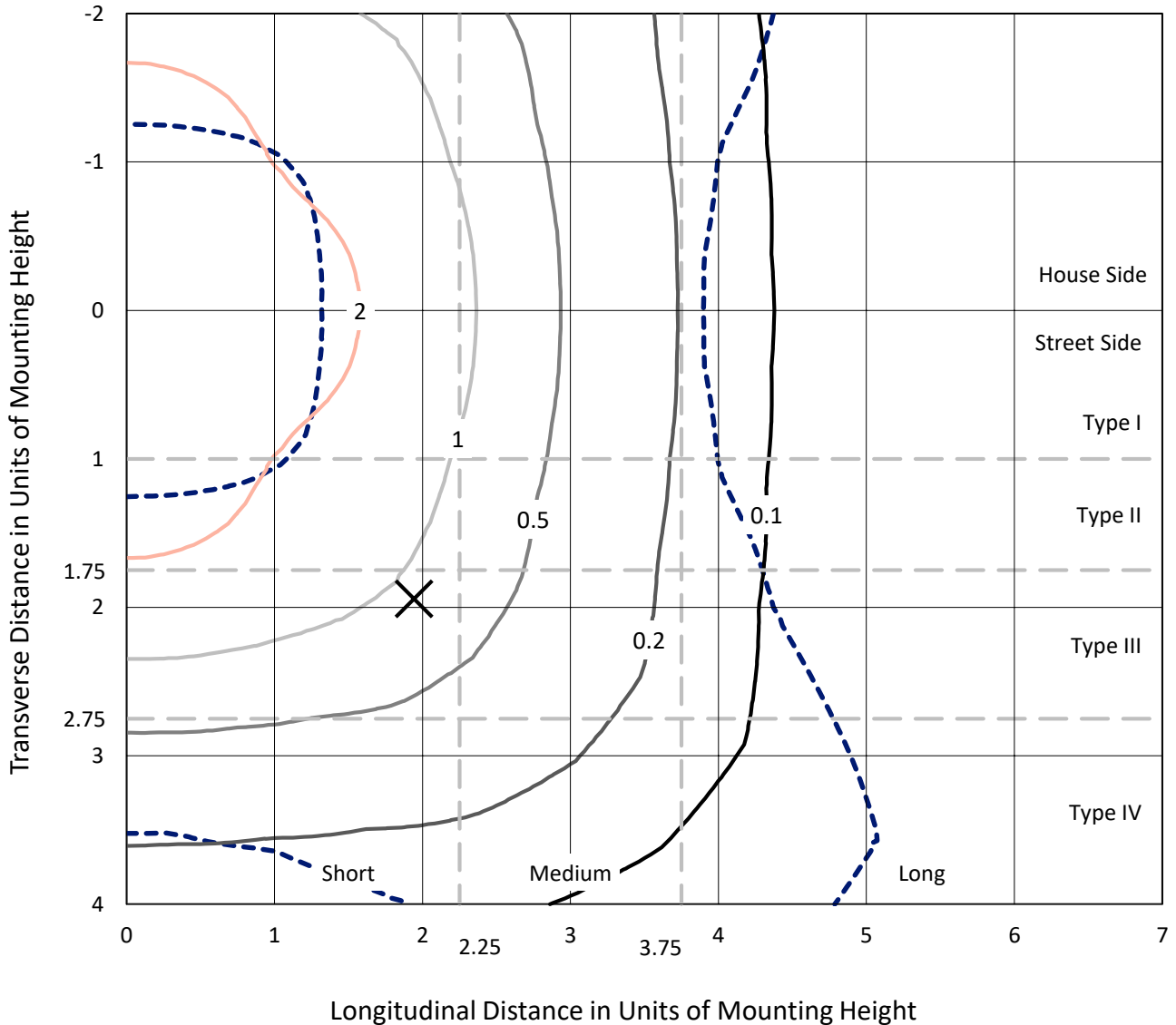
Lumens per Lamp: N/A  
Luminaire Lumens: 35591 lumens  
Efficiency: N/A  
Efficacy: 141.4 lumens/watt  
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 251.7  
Input Voltage (V): NR  
Input Current (Ain): 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: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

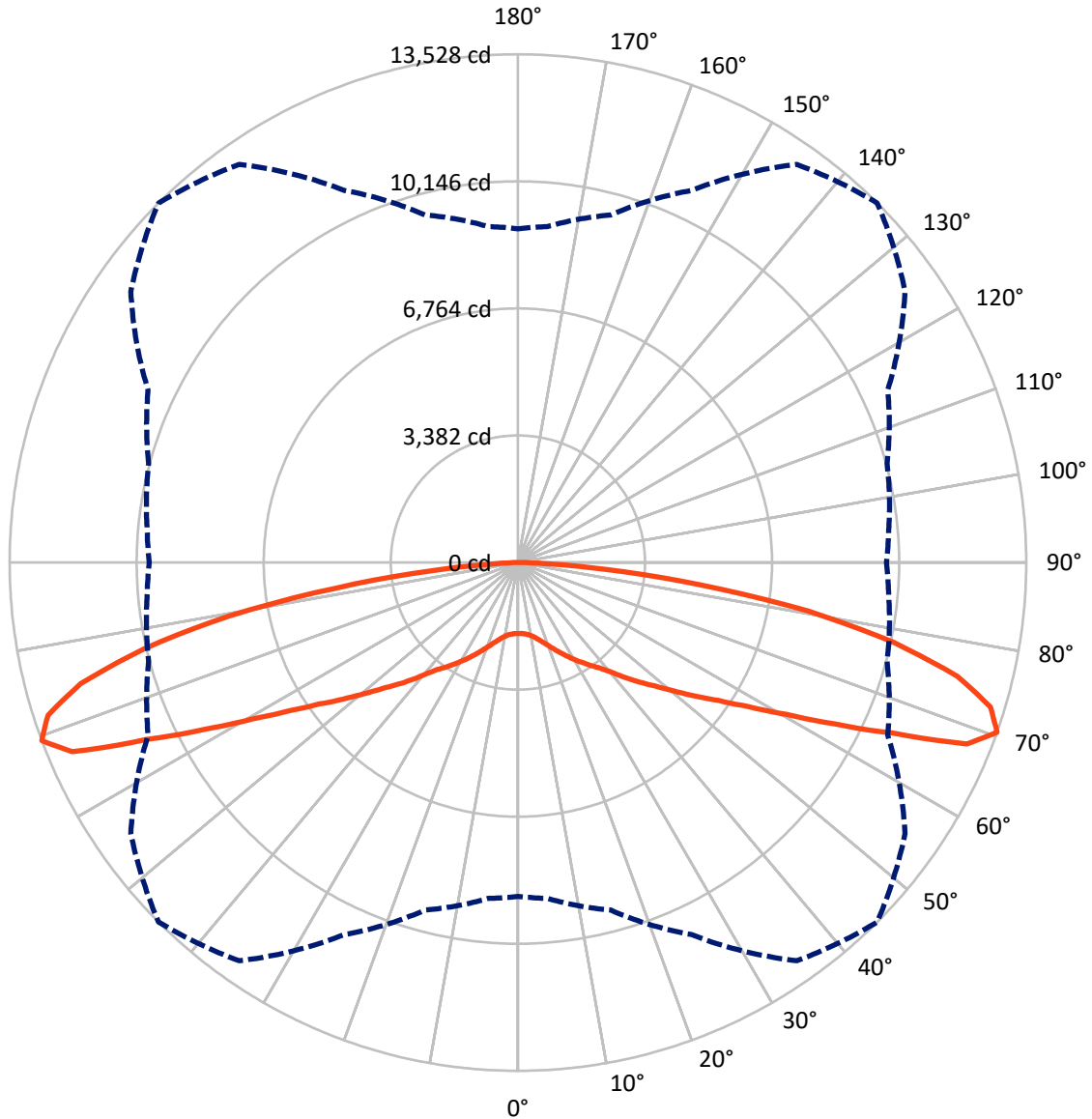
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17795.5	0.0	17795.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17795.5	0.0	17795.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35591.0	0.0	35591.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.1	0.5
10°-20°	612.8	1.7
20°-30°	1225.5	3.4
30°-40°	2132.3	6.0
40°-50°	3709.8	10.4
50°-60°	6459.2	18.1
60°-70°	10461.2	29.4
70°-80°	8974.5	25.2
80°-90°	1830.6	5.1
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°-90°	35591.0	100.0
0°-180°	35591.0	100.0



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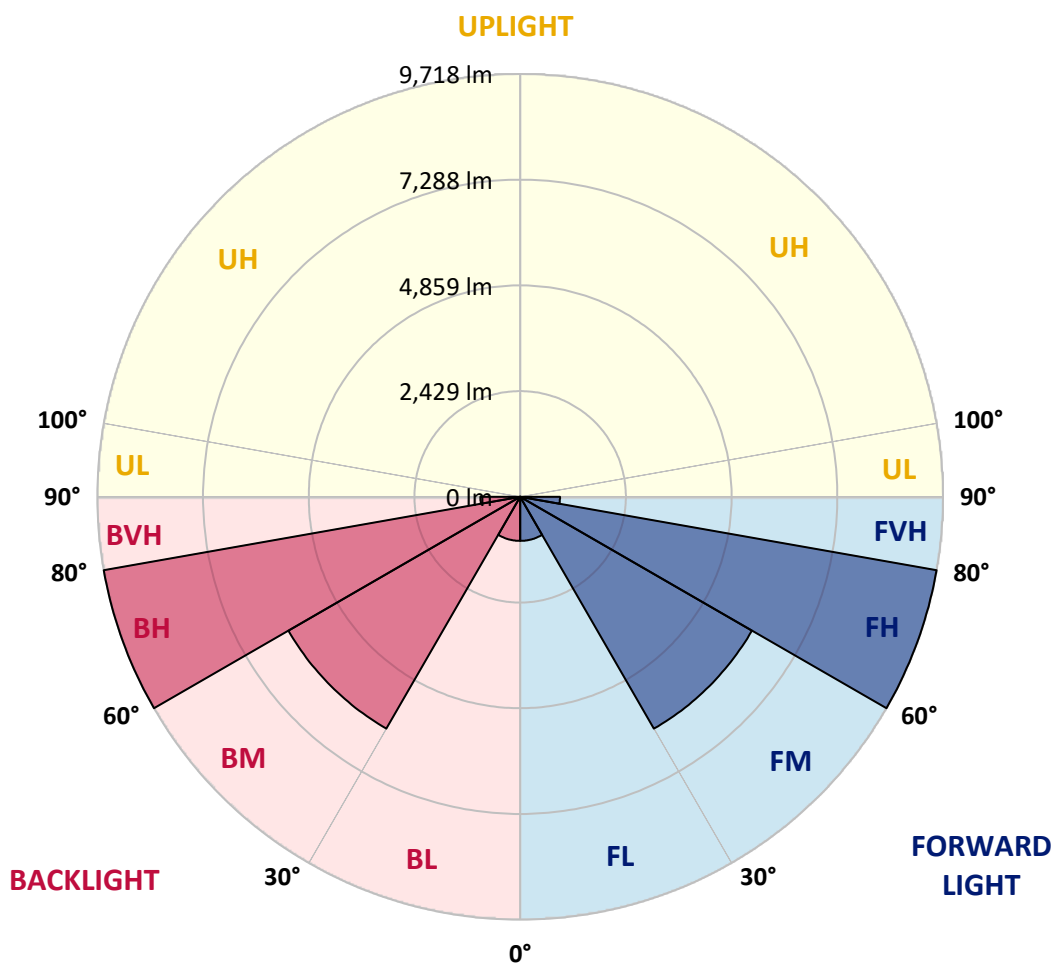
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1011.7	2.8			
FM	(30°-60°)	6150.7	17.3			
FH	(60°-80°)	9717.9	27.3			G4/12000
FVH	(80°-90°)	915.3	2.6			G5
BL	(0°-30°)	1011.7	2.8	B3/2500		
BM	(30°-60°)	6150.7	17.3	B4/8500		
BH	(60°-80°)	9717.9	27.3	B5		G4/12000
BVH	(80°-90°)	915.3	2.6			G5
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0
2.5°	1886.8	1897.7	1896.1	1893.0	1888.3	1888.3	1891.5	1902.4	1904.0	1904.0	1904.0
5°	1908.6	1919.6	1918.0	1914.9	1910.2	1908.6	1911.8	1922.7	1924.3	1924.3	1925.8
7.5°	1933.6	1946.1	1946.1	1944.6	1933.6	1933.6	1936.8	1950.8	1950.8	1953.9	1957.1
10°	1975.8	1989.9	1994.5	1988.3	1982.0	1978.9	1982.0	1996.1	1994.5	1991.4	1993.0
12.5°	2033.6	2047.6	2058.6	2057.0	2050.8	2047.6	2050.8	2058.6	2049.2	2036.7	2036.7
15°	2105.4	2124.2	2136.7	2136.7	2144.5	2139.8	2135.1	2136.7	2122.6	2111.7	2111.7
17.5°	2197.6	2213.2	2224.1	2233.5	2246.0	2246.0	2235.1	2232.0	2213.2	2203.8	2205.4
20°	2310.0	2322.5	2338.2	2346.0	2371.0	2372.5	2353.8	2346.0	2327.2	2314.7	2317.9
22.5°	2431.9	2453.7	2460.0	2483.4	2513.1	2514.7	2489.7	2472.5	2453.7	2444.4	2445.9
25°	2578.7	2600.6	2595.9	2616.2	2661.5	2666.2	2638.0	2613.1	2597.4	2588.1	2591.2
27.5°	2739.6	2761.4	2759.9	2759.9	2813.0	2833.3	2794.2	2767.7	2770.8	2753.6	2759.9
30°	2911.4	2930.1	2941.1	2922.3	2973.9	3006.7	2944.2	2947.3	2945.7	2934.8	2933.2
32.5°	3112.9	3130.0	3128.5	3116.0	3131.6	3178.5	3128.5	3144.1	3148.8	3150.3	3162.8
35°	3342.5	3362.8	3340.9	3323.7	3325.3	3370.6	3333.1	3358.1	3383.1	3392.4	3392.4
37.5°	3587.7	3598.6	3575.2	3548.6	3542.4	3567.4	3561.1	3601.7	3643.9	3667.3	3679.8
40°	3904.7	3914.1	3868.8	3817.3	3807.9	3836.0	3843.8	3932.9	3996.9	4040.6	4048.4
42.5°	4345.2	4343.6	4279.6	4184.3	4139.0	4182.8	4239.0	4342.1	4449.8	4459.2	4492.0
45°	4912.2	4890.3	4807.5	4665.4	4551.4	4535.8	4602.9	4756.0	4876.2	4927.8	4948.1
47.5°	5558.8	5533.8	5383.9	5163.6	4968.4	4907.5	4963.7	5155.8	5335.4	5410.4	5451.0
50°	6280.4	6250.7	6099.2	5800.9	5476.0	5365.1	5399.5	5638.5	5847.7	5943.0	6014.9
52.5°	7056.7	7052.0	6858.3	6514.7	6080.5	5900.9	5889.9	6177.3	6458.4	6585.0	6624.0
55°	7889.1	7865.7	7692.3	7319.1	6816.1	6480.3	6481.9	6800.5	7144.1	7309.7	7328.4
57.5°	8706.0	8696.6	8504.5	8185.9	7672.0	7230.0	7186.3	7609.6	7956.3	8092.2	8098.4
60°	9477.6	9507.3	9407.3	9115.2	8701.3	8201.5	8137.5	8495.2	8790.4	8907.5	8949.7
62.5°	10336.6	10346.0	10333.5	10118.0	9802.5	9465.1	9307.3	9490.1	9782.2	9879.0	9858.7
65°	10950.5	11011.4	11153.5	11264.4	11197.2	10939.5	10731.8	10741.2	10799.0	10736.5	10731.8
67.5°	10168.0	10300.7	10784.9	11564.3	12482.7	12884.1	12040.7	11098.8	10749.0	10522.5	10520.9
70°	8884.1	8973.1	9577.6	10925.5	12937.2	13527.6	12576.4	10858.3	10172.6	9904.0	9808.7
72.5°	7558.0	7628.3	8293.7	9669.7	12215.6	13148.1	12234.3	10152.3	9249.6	8657.6	8668.5
75°	6294.4	6283.5	6786.4	8200.0	10813.0	12075.0	11328.4	9035.6	7750.1	7211.3	7150.4
77.5°	4363.9	4463.9	5035.6	6480.3	8766.9	10217.9	10108.6	7437.8	5939.9	5365.1	5402.6
80°	2286.6	2349.1	3027.0	4399.9	6414.7	7837.6	7693.9	5260.5	3837.6	3201.9	3081.6
82.5°	952.8	993.4	1383.8	2377.2	3920.4	4877.8	4812.2	3206.6	2139.8	1490.1	1486.9
85°	404.5	406.1	587.3	1018.4	1978.9	2317.9	1860.2	1377.6	749.7	470.1	420.2
87.5°	171.8	178.1	239.0	467.0	626.3	506.1	298.3	184.3	123.4	75.0	57.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)