

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: P510106

Luminaire Tested: **VERD-M-CA4-200-760-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510106  
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-CA4-200-760-U-T5  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 5700K, 910mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29525 lumens  
Efficiency: N/A  
Efficacy: 146.3 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

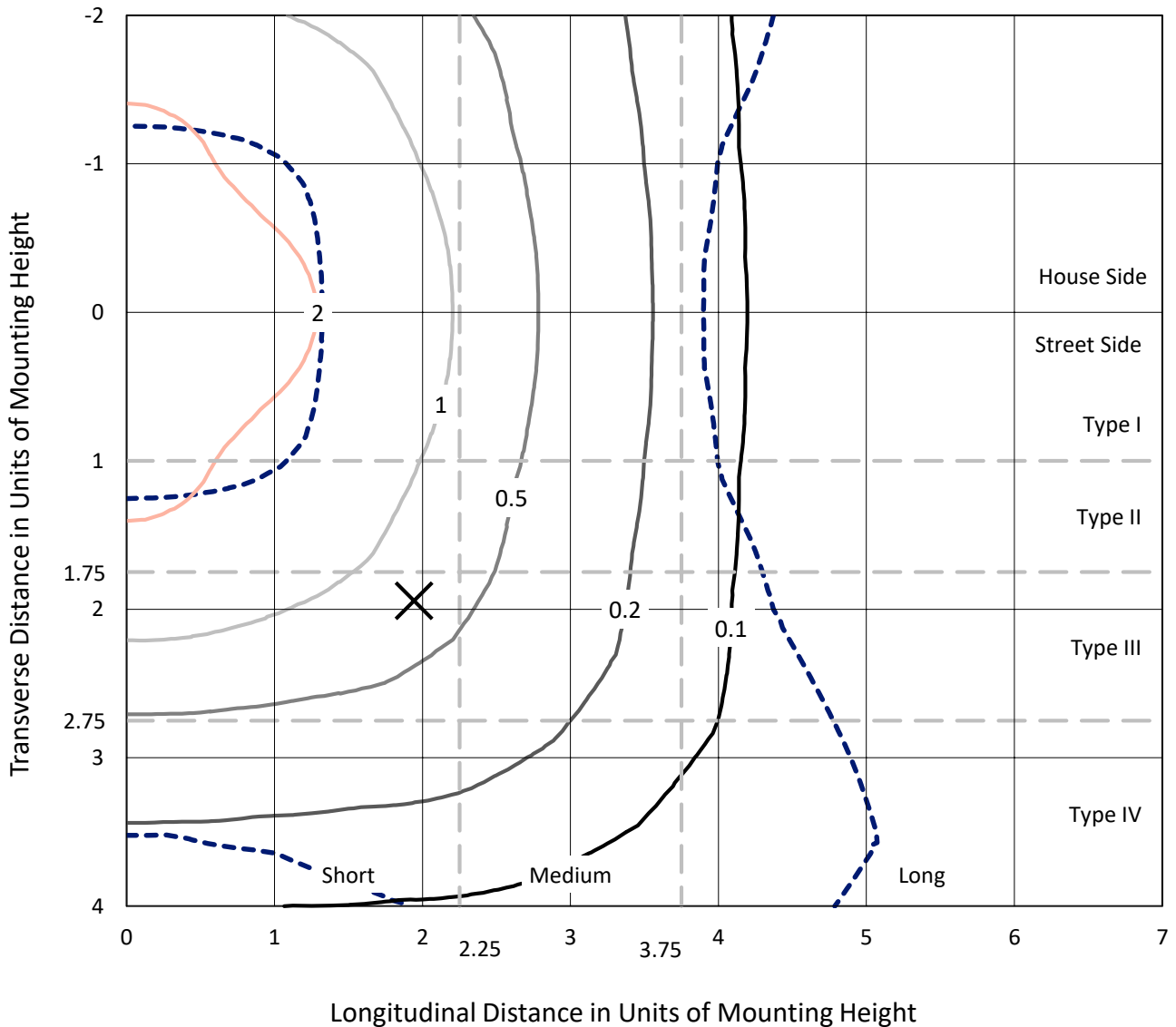
Input Watts (W): 201.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

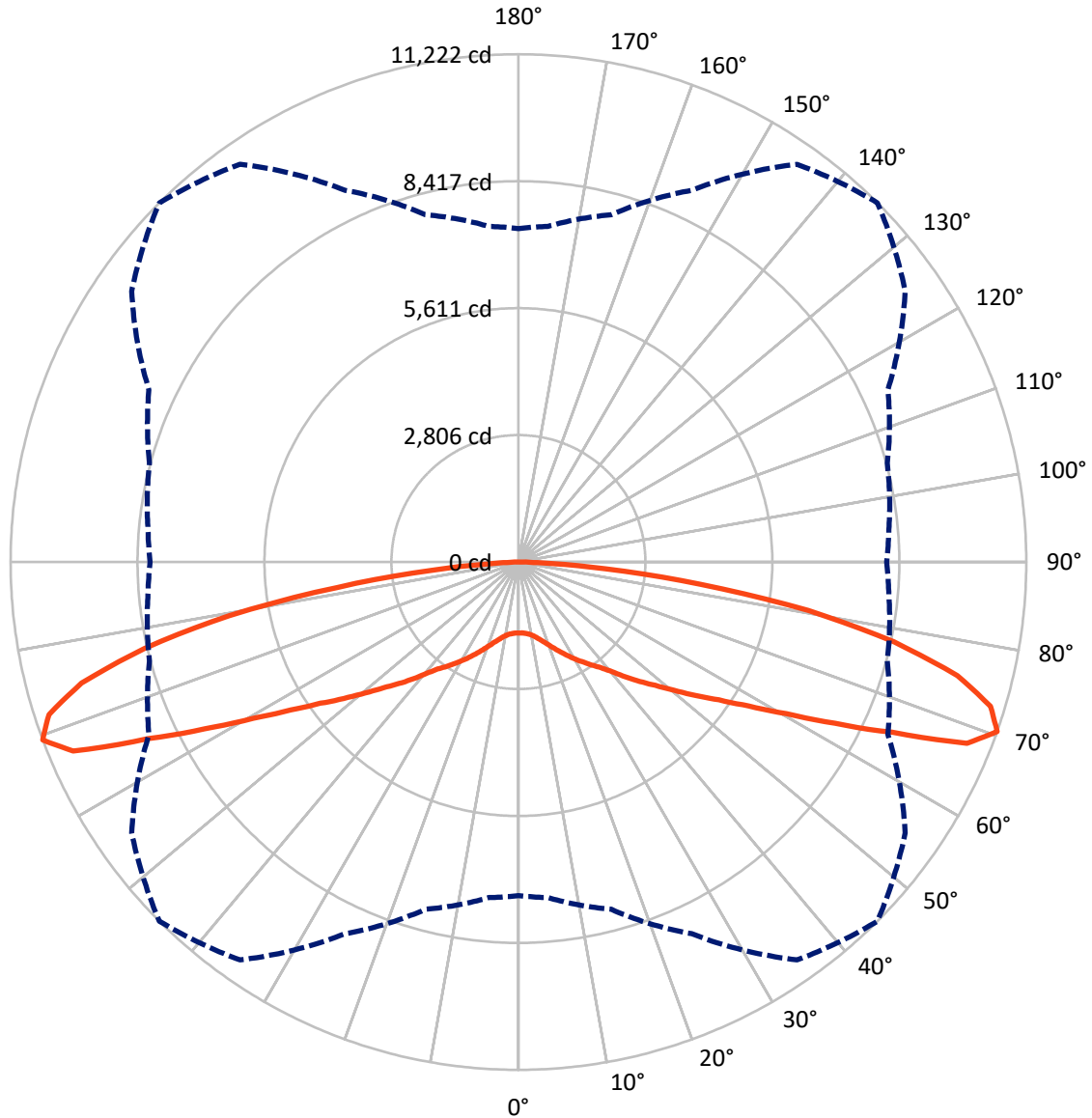
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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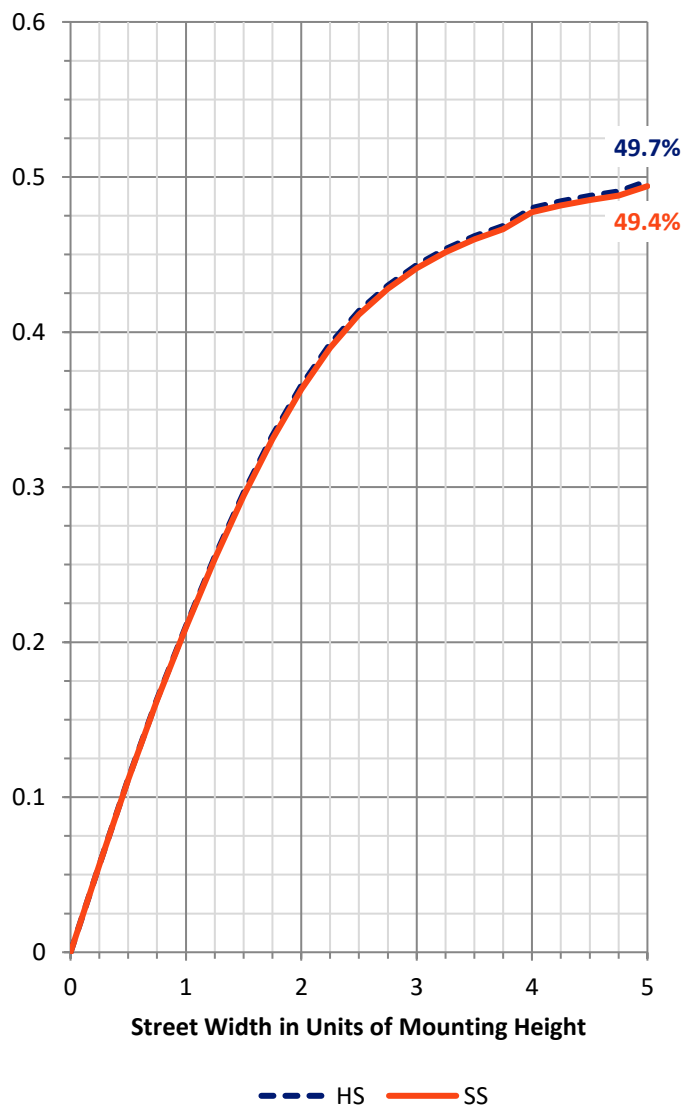
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14762.5	0.0	14762.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14762.5	0.0	14762.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29525.0	0.0	29525.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.6	0.5
10°-20°	508.3	1.7
20°-30°	1016.6	3.4
30°-40°	1768.9	6.0
40°-50°	3077.5	10.4
50°-60°	5358.3	18.1
60°-70°	8678.2	29.4
70°-80°	7444.9	25.2
80°-90°	1518.6	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°	29525.0	100.0
0°-180°	29525.0	100.0

**Coefficient of Utilization**



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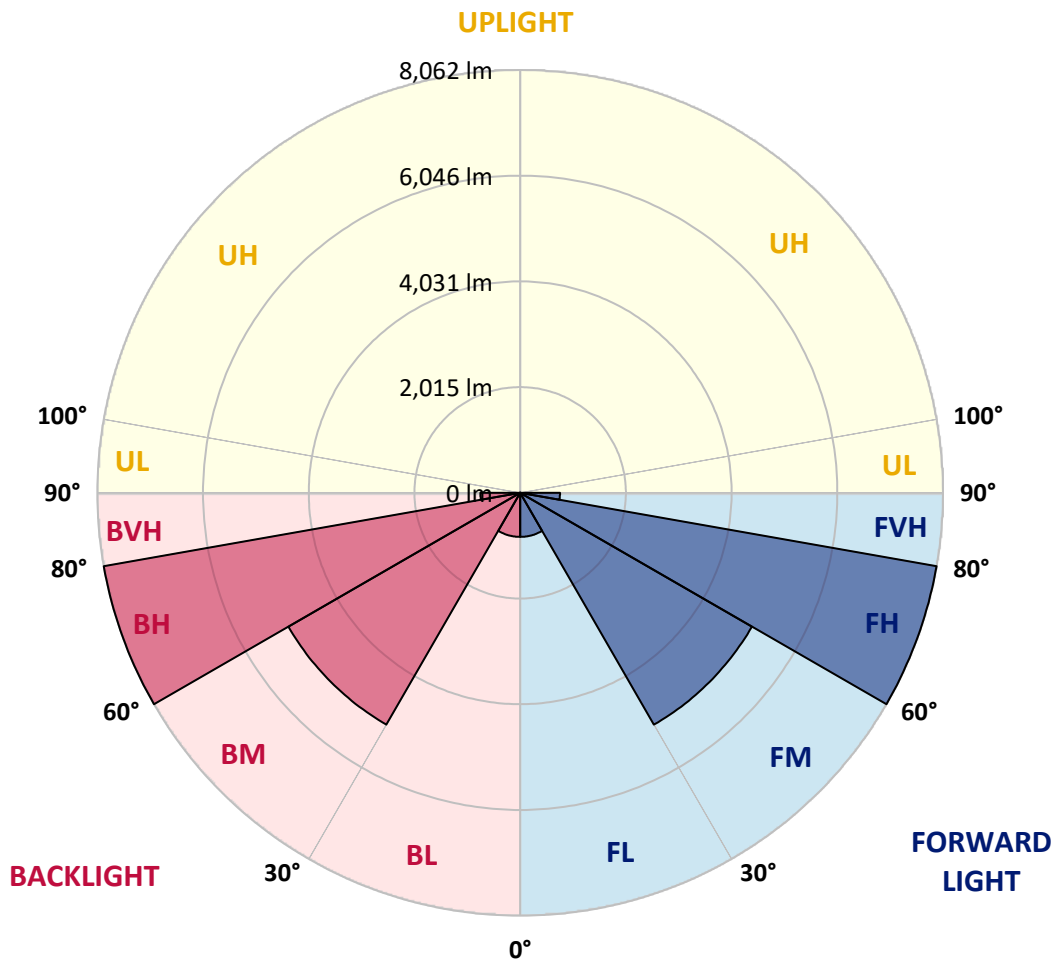
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	839.3	2.8			
FM (30°-60°)	5102.4	17.3			
FH (60°-80°)	8061.6	27.3			G4/12000
FVH (80°-90°)	759.3	2.6			G5
BL (0°-30°)	839.3	2.8	B2/1000		
BM (30°-60°)	5102.4	17.3	B4/8500		
BH (60°-80°)	8061.6	27.3	B5		G4/12000
BVH (80°-90°)	759.3	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°	1570.4	1570.4	1570.4	1570.4	1570.4	1570.4	1570.4	1570.4	1570.4	1570.4	1570.4
2.5°	1565.2	1574.3	1573.0	1570.4	1566.5	1566.5	1569.1	1578.2	1579.5	1579.5	1579.5
5°	1583.3	1592.4	1591.1	1588.5	1584.6	1583.3	1585.9	1595.0	1596.3	1596.3	1597.6
7.5°	1604.1	1614.4	1614.4	1613.1	1604.1	1604.1	1606.7	1618.3	1618.3	1620.9	1623.5
10°	1639.1	1650.7	1654.6	1649.4	1644.2	1641.6	1644.2	1655.9	1654.6	1652.0	1653.3
12.5°	1687.0	1698.7	1707.7	1706.4	1701.2	1698.7	1701.2	1707.7	1700.0	1689.6	1689.6
15°	1746.6	1762.1	1772.5	1772.5	1779.0	1775.1	1771.2	1772.5	1760.8	1751.8	1751.8
17.5°	1823.0	1836.0	1845.1	1852.8	1863.2	1863.2	1854.1	1851.5	1836.0	1828.2	1829.5
20°	1916.3	1926.7	1939.7	1946.1	1966.9	1968.2	1952.6	1946.1	1930.6	1920.2	1922.8
22.5°	2017.4	2035.5	2040.7	2060.2	2084.8	2086.1	2065.3	2051.1	2035.5	2027.8	2029.1
25°	2139.2	2157.3	2153.4	2170.3	2207.9	2211.7	2188.4	2167.7	2154.7	2147.0	2149.6
27.5°	2272.6	2290.8	2289.5	2289.5	2333.5	2350.4	2318.0	2296.0	2298.6	2284.3	2289.5
30°	2415.2	2430.7	2439.8	2424.2	2467.0	2494.2	2442.4	2445.0	2443.7	2434.6	2433.3
32.5°	2582.3	2596.6	2595.3	2584.9	2597.9	2636.7	2595.3	2608.2	2612.1	2613.4	2623.8
35°	2772.8	2789.6	2771.5	2757.2	2758.5	2796.1	2765.0	2785.7	2806.5	2814.2	2814.2
37.5°	2976.2	2985.3	2965.8	2943.8	2938.6	2959.4	2954.2	2987.9	3022.9	3042.3	3052.7
40°	3239.2	3247.0	3209.4	3166.7	3158.9	3182.2	3188.7	3262.6	3315.7	3352.0	3358.4
42.5°	3604.6	3603.3	3550.2	3471.2	3433.6	3469.9	3516.5	3602.0	3691.4	3699.2	3726.4
45°	4075.0	4056.8	3988.1	3870.2	3775.7	3762.7	3818.4	3945.4	4045.2	4087.9	4104.8
47.5°	4611.4	4590.6	4466.3	4283.6	4121.6	4071.1	4117.7	4277.1	4426.1	4488.3	4522.0
50°	5210.0	5185.4	5059.7	4812.2	4542.7	4450.7	4479.2	4677.5	4851.1	4930.1	4989.7
52.5°	5853.9	5850.1	5689.4	5404.3	5044.1	4895.1	4886.1	5124.5	5357.7	5462.6	5495.0
55°	6544.5	6525.1	6381.3	6071.6	5654.4	5375.8	5377.1	5641.5	5926.5	6063.8	6079.4
57.5°	7222.2	7214.4	7055.1	6790.7	6364.4	5997.8	5961.5	6312.6	6600.3	6713.0	6718.2
60°	7862.3	7886.9	7804.0	7561.7	7218.3	6803.7	6750.6	7047.3	7292.2	7389.3	7424.3
62.5°	8574.9	8582.7	8572.3	8393.5	8131.8	7851.9	7721.0	7872.6	8114.9	8195.3	8178.4
65°	9084.1	9134.6	9252.5	9344.5	9288.8	9075.0	8902.7	8910.5	8958.4	8906.6	8902.7
67.5°	8435.0	8545.1	8946.8	9593.3	10355.2	10688.2	9988.5	9207.2	8917.0	8729.1	8727.8
70°	7369.9	7443.8	7945.2	9063.4	10732.2	11222.0	10432.9	9007.7	8438.9	8216.0	8137.0
72.5°	6269.9	6328.2	6880.1	8021.6	10133.6	10907.1	10149.2	8422.0	7673.1	7182.0	7191.1
75°	5221.6	5212.6	5629.8	6802.4	8970.1	10017.0	9397.7	7495.6	6429.2	5982.2	5931.7
77.5°	3620.2	3703.1	4177.3	5375.8	7272.7	8476.4	8385.7	6170.1	4927.5	4450.7	4481.8
80°	1896.9	1948.7	2511.1	3650.0	5321.4	6501.8	6382.6	4363.9	3183.5	2656.2	2556.4
82.5°	790.4	824.1	1148.0	1972.0	3252.2	4046.5	3992.0	2660.1	1775.1	1236.1	1233.5
85°	335.6	336.9	487.2	844.8	1641.6	1922.8	1543.2	1142.8	621.9	390.0	348.5
87.5°	142.5	147.7	198.2	387.4	519.6	419.8	247.5	152.9	102.4	62.2	47.9
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)