

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: P510346

Luminaire Tested: **VERD-M-CA4-250-760-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510346  
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-CA4-250-760-U-T5  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 5700K, 1130mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35475 lumens  
Efficiency: N/A  
Efficacy: 140.9 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

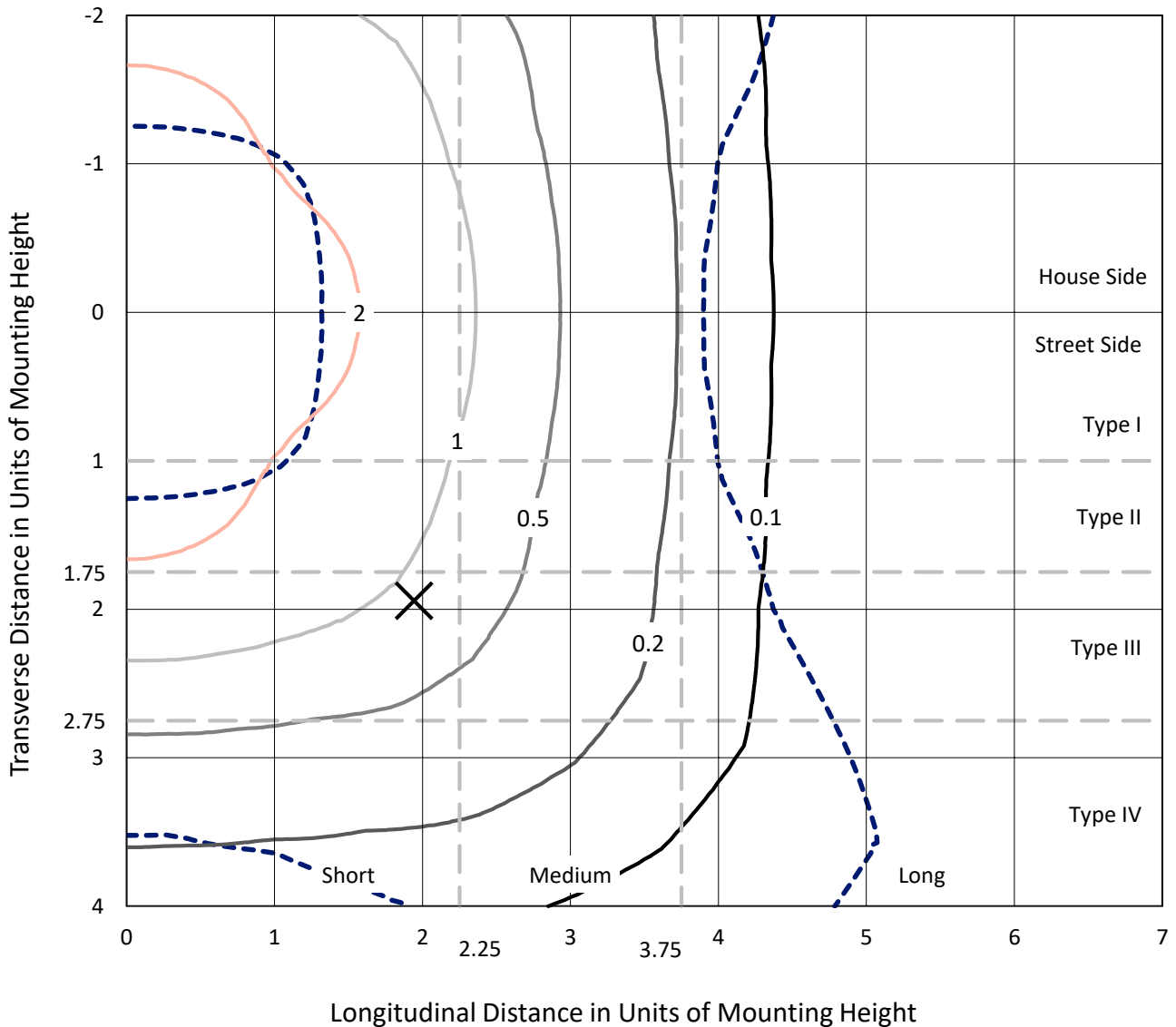
Input Watts (W): 251.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

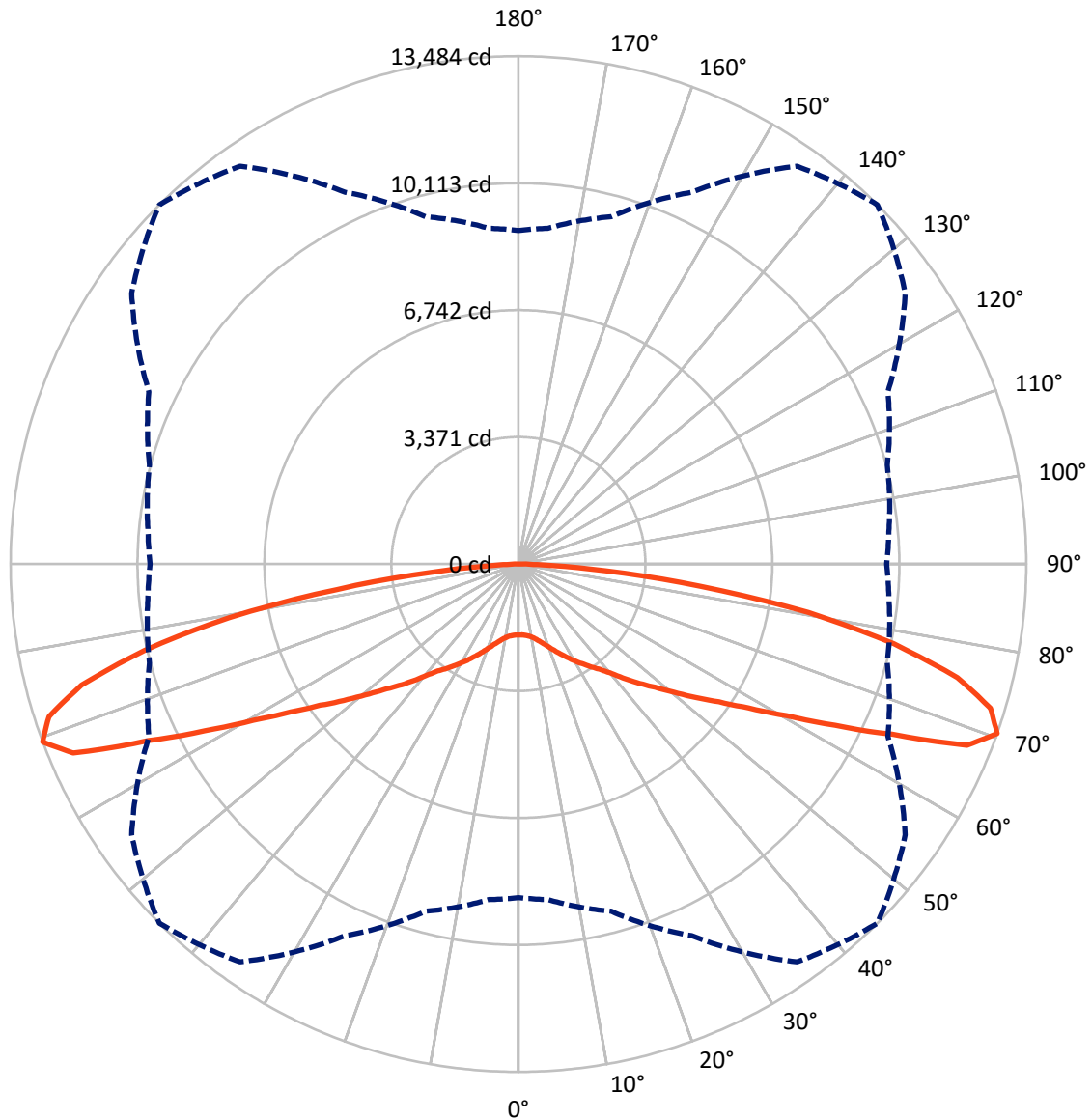
× Max cd  
 - - - 1/2 Max cd



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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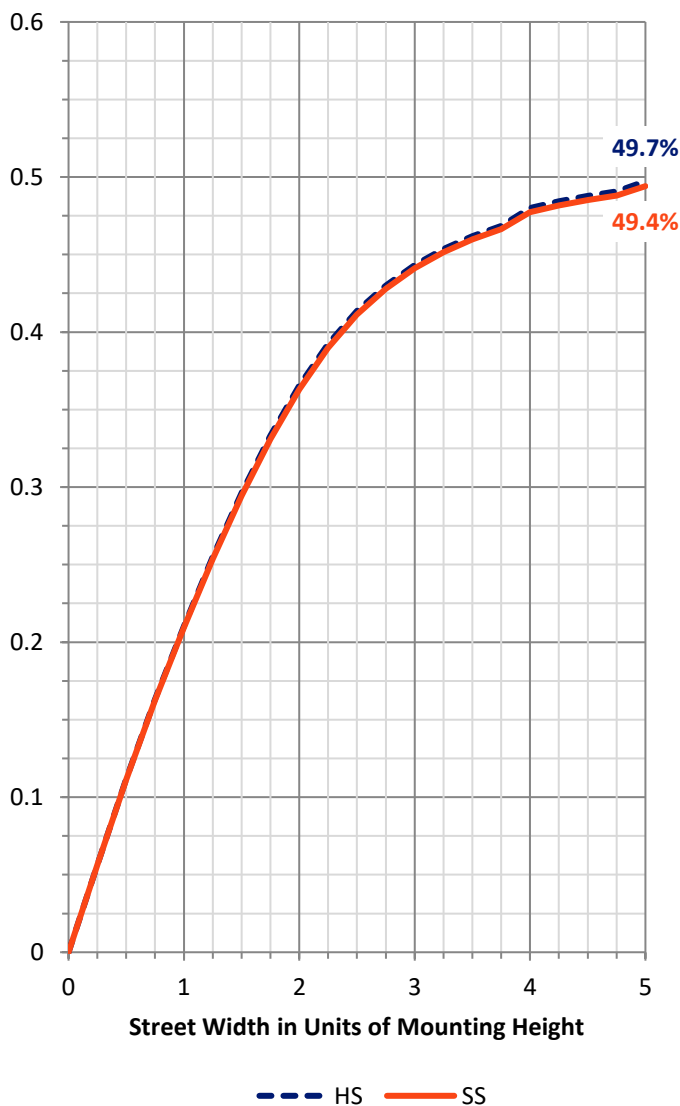
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17737.5	0.0	17737.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17737.5	0.0	17737.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35475.0	0.0	35475.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.5	0.5
10°-20°	610.8	1.7
20°-30°	1221.5	3.4
30°-40°	2125.4	6.0
40°-50°	3697.7	10.4
50°-60°	6438.1	18.1
60°-70°	10427.1	29.4
70°-80°	8945.3	25.2
80°-90°	1824.6	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°	35475.0	100.0
0°-180°	35475.0	100.0

**Coefficient of Utilization**



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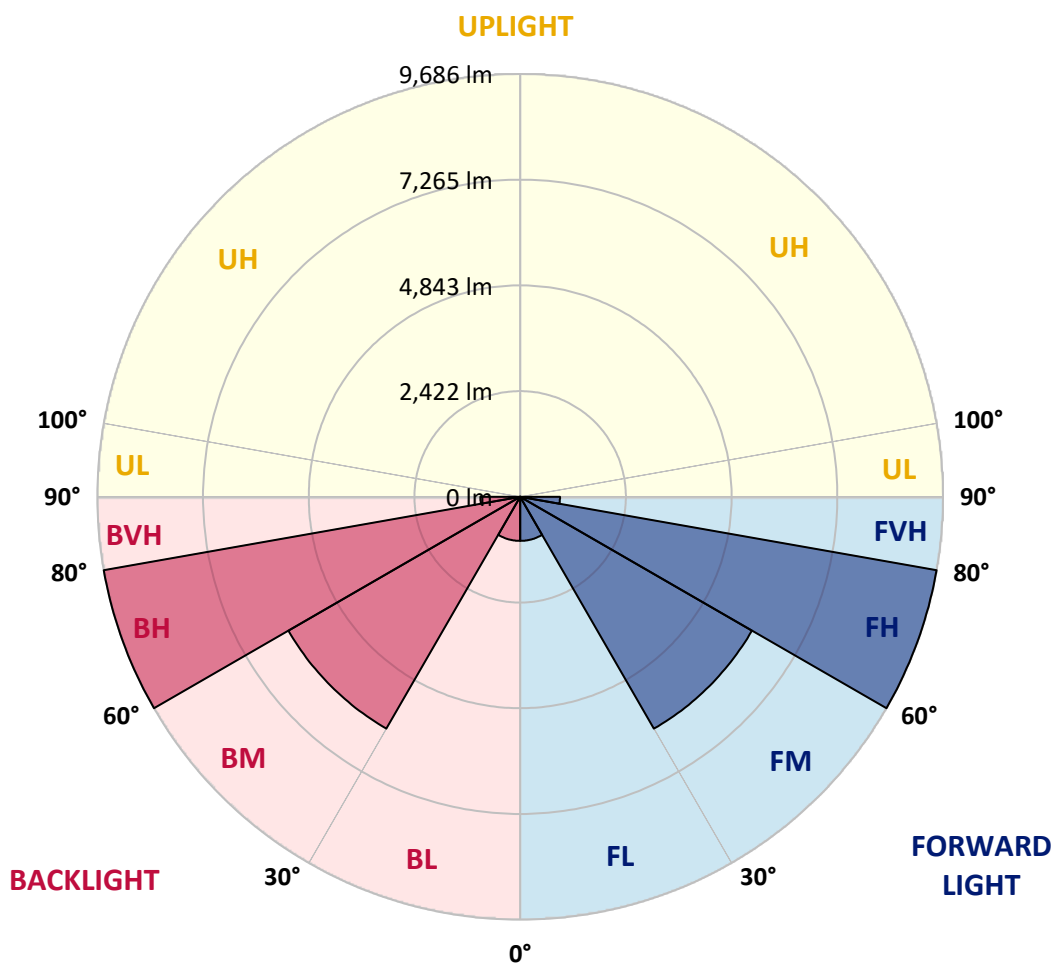
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1008.4	2.8			
FM	(30°-60°)	6130.6	17.3			
FH	(60°-80°)	9686.2	27.3			G4/12000
FVH	(80°-90°)	912.3	2.6			G5
BL	(0°-30°)	1008.4	2.8	B3/2500		
BM	(30°-60°)	6130.6	17.3	B4/8500		
BH	(60°-80°)	9686.2	27.3	B5		G4/12000
BVH	(80°-90°)	912.3	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°	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9
2.5°	1880.6	1891.5	1890.0	1886.9	1882.2	1882.2	1885.3	1896.2	1897.7	1897.7	1897.7
5°	1902.4	1913.3	1911.8	1908.6	1904.0	1902.4	1905.5	1916.4	1918.0	1918.0	1919.5
7.5°	1927.3	1939.8	1939.8	1938.2	1927.3	1927.3	1930.4	1944.5	1944.5	1947.6	1950.7
10°	1969.4	1983.4	1988.0	1981.8	1975.6	1972.5	1975.6	1989.6	1988.0	1984.9	1986.5
12.5°	2027.0	2041.0	2051.9	2050.3	2044.1	2041.0	2044.1	2051.9	2042.5	2030.1	2030.1
15°	2098.6	2117.3	2129.7	2129.7	2137.5	2132.8	2128.2	2129.7	2115.7	2104.8	2104.8
17.5°	2190.4	2206.0	2216.9	2226.2	2238.7	2238.7	2227.8	2224.7	2206.0	2196.7	2198.2
20°	2302.5	2315.0	2330.5	2338.3	2363.2	2364.8	2346.1	2338.3	2319.6	2307.2	2310.3
22.5°	2423.9	2445.7	2452.0	2475.3	2504.9	2506.5	2481.6	2464.4	2445.7	2436.4	2438.0
25°	2570.3	2592.1	2587.4	2607.7	2652.8	2657.5	2629.4	2604.5	2589.0	2579.6	2582.7
27.5°	2730.6	2752.4	2750.9	2750.9	2803.8	2824.0	2785.1	2758.7	2761.8	2744.7	2750.9
30°	2901.9	2920.6	2931.5	2912.8	2964.2	2996.9	2934.6	2937.7	2936.1	2925.2	2923.7
32.5°	3102.7	3119.8	3118.3	3105.8	3121.4	3168.1	3118.3	3133.9	3138.5	3140.1	3152.5
35°	3331.6	3351.8	3330.0	3312.9	3314.4	3359.6	3322.2	3347.1	3372.0	3381.4	3381.4
37.5°	3576.0	3586.9	3563.5	3537.1	3530.8	3555.7	3549.5	3590.0	3632.0	3655.4	3667.8
40°	3892.0	3901.4	3856.2	3804.8	3795.5	3823.5	3831.3	3920.0	3983.9	4027.5	4035.2
42.5°	4331.0	4329.5	4265.7	4170.7	4125.5	4169.1	4225.2	4327.9	4435.3	4444.7	4477.4
45°	4896.2	4874.4	4791.9	4650.2	4536.5	4521.0	4587.9	4740.5	4860.4	4911.7	4932.0
47.5°	5540.7	5515.8	5366.3	5146.8	4952.2	4891.5	4947.5	5139.0	5318.1	5392.8	5433.3
50°	6259.9	6230.3	6079.3	5782.0	5458.2	5347.6	5381.9	5620.1	5828.7	5923.7	5995.3
52.5°	7033.7	7029.0	6835.9	6493.4	6060.7	5881.6	5870.7	6157.2	6437.4	6563.5	6602.4
55°	7863.4	7840.1	7667.3	7295.2	6793.9	6459.2	6460.8	6778.3	7120.8	7285.9	7304.5
57.5°	8677.6	8668.3	8476.8	8159.2	7647.0	7206.5	7162.9	7584.8	7930.4	8065.8	8072.0
60°	9446.7	9476.3	9376.7	9085.5	8673.0	8174.8	8111.0	8467.5	8761.7	8878.5	8920.5
62.5°	10303.0	10312.3	10299.8	10085.0	9770.5	9434.3	9277.0	9459.2	9750.3	9846.8	9826.6
65°	10914.8	10975.5	11117.2	11227.7	11160.8	10903.9	10696.8	10706.2	10763.8	10701.5	10696.8
67.5°	10134.8	10267.1	10749.8	11526.6	12442.0	12842.1	12001.4	11062.7	10713.9	10488.2	10486.7
70°	8855.1	8943.9	9546.3	10889.9	12895.0	13483.5	12535.4	10822.9	10139.5	9871.7	9776.7
72.5°	7533.4	7603.4	8266.6	9638.2	12175.8	13105.2	12194.5	10119.2	9219.4	8629.4	8640.3
75°	6273.9	6263.0	6764.3	8173.2	10777.8	12035.7	11291.5	9006.1	7724.9	7187.8	7127.1
77.5°	4349.7	4449.4	5019.1	6459.2	8738.4	10184.6	10075.7	7413.5	5920.5	5347.6	5385.0
80°	2279.2	2341.4	3017.1	4385.5	6393.8	7812.1	7668.8	5243.3	3825.1	3191.5	3071.6
82.5°	949.7	990.1	1379.3	2369.5	3907.6	4861.9	4796.5	3196.1	2132.8	1485.2	1482.1
85°	403.2	404.8	585.4	1015.0	1972.5	2310.3	1854.2	1373.1	747.3	468.6	418.8
87.5°	171.2	177.5	238.2	465.5	624.3	504.4	297.4	183.7	123.0	74.7	57.6
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)