

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: P510266

Luminaire Tested: **VERD-M-CA4-240-727-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510266  
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-CA4-240-727-U-T5  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 2700K, 1090mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29160 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

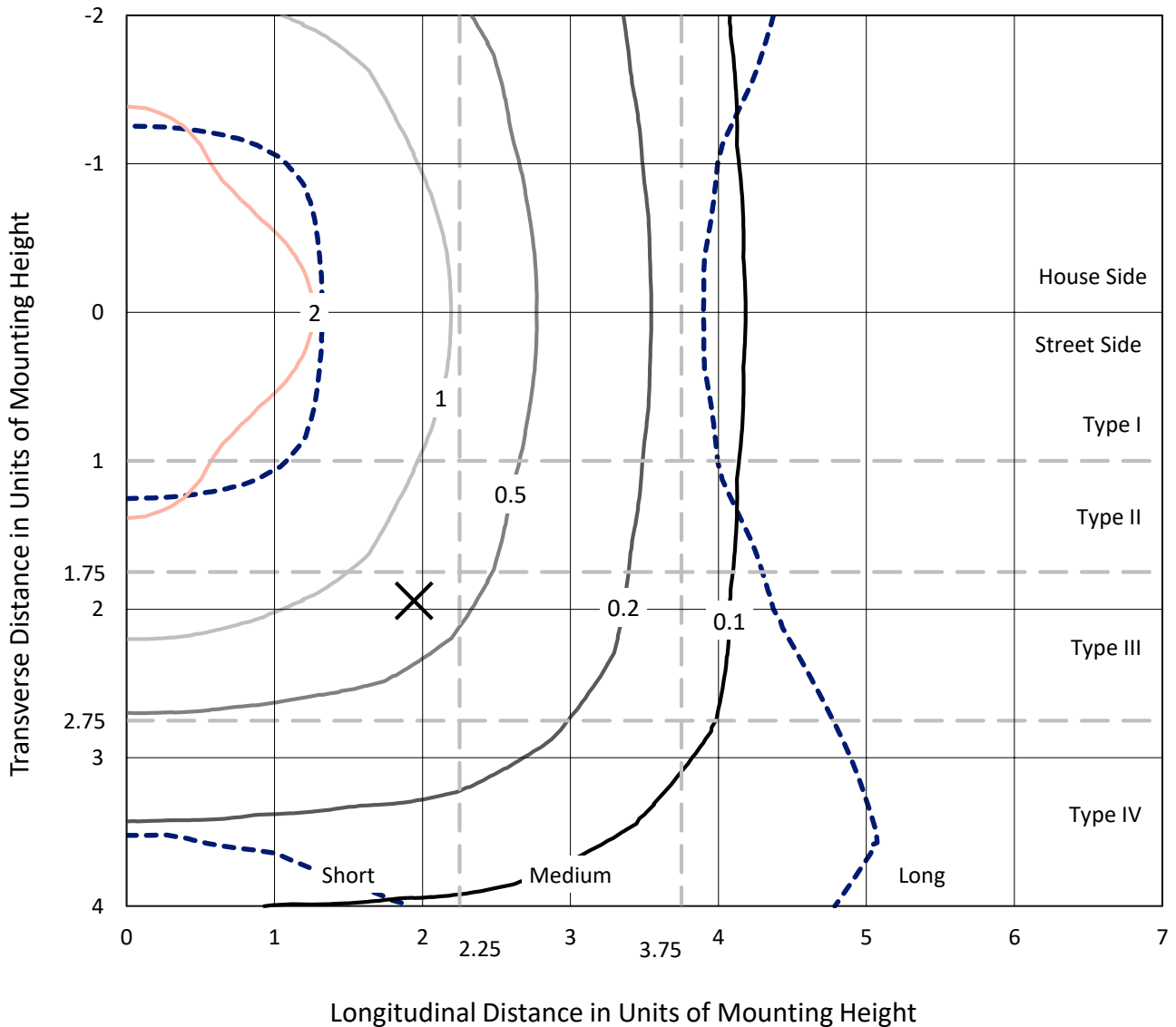
Input Watts (W): 242.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

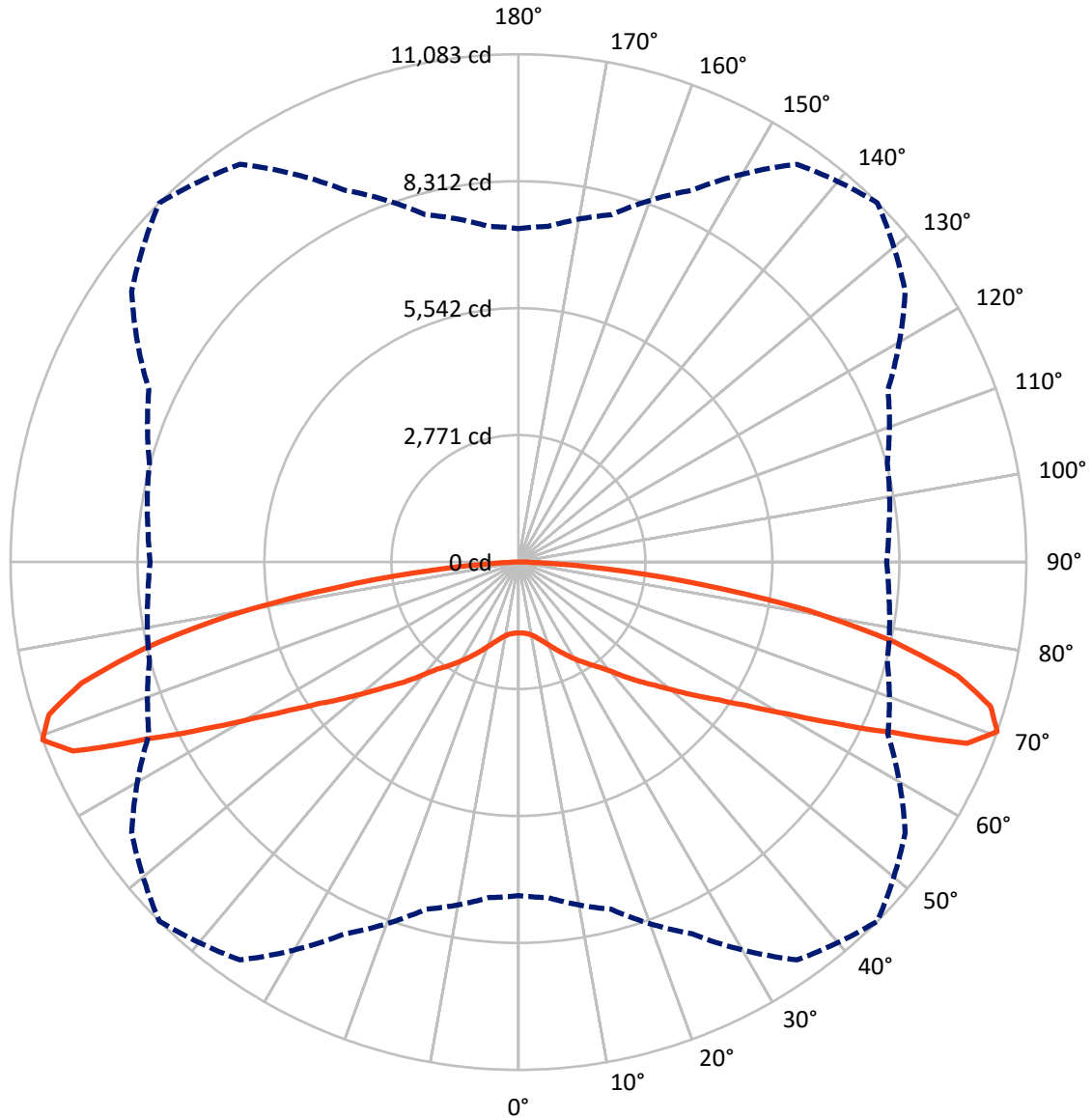
× Max cd  
 - - - 1/2 Max cd



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	14580.0	0.0	14580.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14580.0	0.0	14580.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29160.0	0.0	29160.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.7	0.5
10°-20°	502.0	1.7
20°-30°	1004.1	3.4
30°-40°	1747.0	6.0
40°-50°	3039.5	10.4
50°-60°	5292.1	18.1
60°-70°	8570.9	29.4
70°-80°	7352.9	25.2
80°-90°	1499.8	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°	29160.0	100.0
0°-180°	29160.0	100.0



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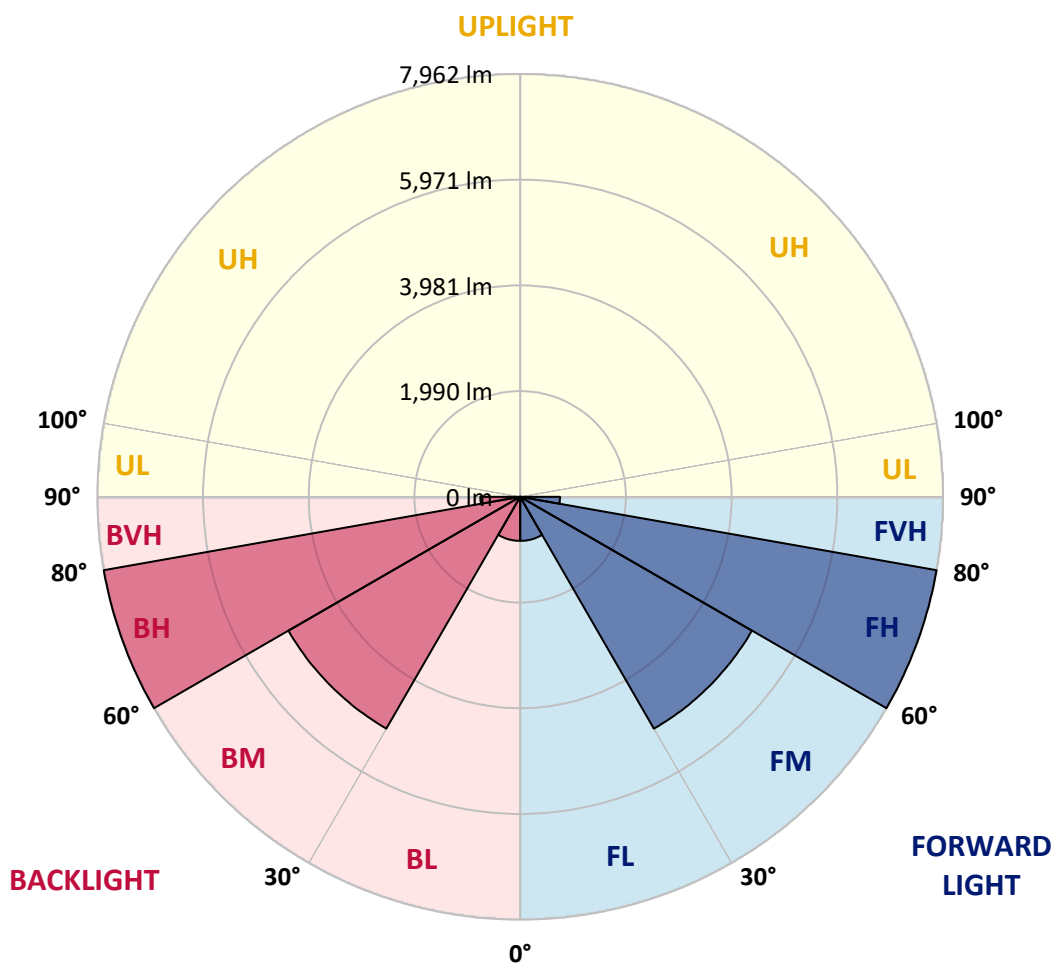
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	828.9	2.8			
FM (30°-60°)	5039.3	17.3			
FH (60°-80°)	7961.9	27.3			G4/12000
FVH (80°-90°)	749.9	2.6			G4/750
BL (0°-30°)	828.9	2.8	B2/1000		
BM (30°-60°)	5039.3	17.3	B4/8500		
BH (60°-80°)	7961.9	27.3	B5		G4/12000
BVH (80°-90°)	749.9	2.6			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0
2.5°	1545.8	1554.8	1553.5	1551.0	1547.1	1547.1	1549.7	1558.6	1559.9	1559.9	1559.9
5°	1563.8	1572.7	1571.4	1568.9	1565.0	1563.8	1566.3	1575.3	1576.6	1576.6	1577.8
7.5°	1584.2	1594.5	1594.5	1593.2	1584.2	1584.2	1586.8	1598.3	1598.3	1600.9	1603.4
10°	1618.8	1630.3	1634.1	1629.0	1623.9	1621.3	1623.9	1635.4	1634.1	1631.6	1632.9
12.5°	1666.1	1677.7	1686.6	1685.3	1680.2	1677.7	1680.2	1686.6	1678.9	1668.7	1668.7
15°	1725.0	1740.4	1750.6	1750.6	1757.0	1753.2	1749.3	1750.6	1739.1	1730.1	1730.1
17.5°	1800.5	1813.3	1822.3	1829.9	1840.2	1840.2	1831.2	1828.7	1813.3	1805.6	1806.9
20°	1892.6	1902.9	1915.7	1922.1	1942.5	1943.8	1928.5	1922.1	1906.7	1896.5	1899.0
22.5°	1992.5	2010.4	2015.5	2034.7	2059.0	2060.3	2039.8	2025.7	2010.4	2002.7	2004.0
25°	2112.7	2130.7	2126.8	2143.5	2180.6	2184.4	2161.4	2140.9	2128.1	2120.4	2123.0
27.5°	2244.6	2262.5	2261.2	2261.2	2304.7	2321.3	2289.3	2267.6	2270.1	2256.1	2261.2
30°	2385.3	2400.7	2409.6	2394.3	2436.5	2463.4	2412.2	2414.7	2413.5	2404.5	2403.2
32.5°	2550.4	2564.5	2563.2	2553.0	2565.8	2604.1	2563.2	2576.0	2579.8	2581.1	2591.3
35°	2738.5	2755.1	2737.2	2723.2	2724.4	2761.5	2730.8	2751.3	2771.8	2779.5	2779.5
37.5°	2939.4	2948.4	2929.2	2907.4	2902.3	2922.8	2917.7	2950.9	2985.5	3004.7	3014.9
40°	3199.2	3206.9	3169.8	3127.5	3119.8	3142.9	3149.3	3222.2	3274.7	3310.5	3316.9
42.5°	3560.1	3558.8	3506.3	3428.3	3391.1	3427.0	3473.0	3557.5	3645.8	3653.5	3680.3
45°	4024.6	4006.7	3938.8	3822.4	3729.0	3716.2	3771.2	3896.6	3995.1	4037.4	4054.0
47.5°	4554.4	4533.9	4411.0	4230.6	4070.6	4020.7	4066.8	4224.2	4371.4	4432.8	4466.1
50°	5145.6	5121.3	4997.1	4752.7	4486.5	4395.7	4423.8	4619.6	4791.1	4869.2	4928.0
52.5°	5781.6	5777.7	5619.1	5337.5	4981.8	4834.6	4825.7	5061.1	5291.5	5395.1	5427.1
55°	6463.6	6444.4	6302.4	5996.6	5584.5	5309.4	5310.7	5571.7	5853.2	5988.9	6004.2
57.5°	7132.9	7125.2	6967.8	6706.8	6285.8	5923.6	5887.8	6234.6	6518.7	6630.0	6635.1
60°	7765.1	7789.4	7707.5	7468.2	7129.1	6719.6	6667.1	6960.2	7202.0	7298.0	7332.5
62.5°	8468.9	8476.6	8466.3	8289.7	8031.2	7754.8	7625.6	7775.3	8014.6	8093.9	8077.3
65°	8971.8	9021.7	9138.2	9229.0	9174.0	8962.8	8792.7	8800.3	8847.7	8796.5	8792.7
67.5°	8330.7	8439.5	8836.2	9474.7	10227.2	10556.0	9865.0	9093.4	8806.7	8621.2	8619.9
70°	7278.8	7351.7	7847.0	8951.3	10599.6	11083.3	10303.9	8896.3	8334.5	8114.4	8036.4
72.5°	6192.4	6249.9	6795.1	7922.5	10008.3	10772.3	10023.7	8317.9	7578.2	7093.2	7102.2
75°	5157.1	5148.1	5560.2	6718.3	8859.2	9893.2	9281.5	7402.9	6349.8	5908.3	5858.4
77.5°	3575.4	3657.3	4125.7	5309.4	7182.8	8371.6	8282.1	6093.8	4866.6	4395.7	4426.4
80°	1873.4	1924.6	2480.0	3604.8	5255.6	6421.4	6303.7	4309.9	3144.2	2623.3	2524.8
82.5°	780.6	813.9	1133.8	1947.7	3212.0	3996.4	3942.7	2627.2	1753.2	1220.8	1218.3
85°	331.4	332.7	481.2	834.3	1621.3	1899.0	1524.1	1128.7	614.2	385.2	344.2
87.5°	140.8	145.9	195.8	382.6	513.2	414.6	244.4	151.0	101.1	61.4	47.3
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)