

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: P510306

Luminaire Tested: **VERD-M-CA4-250-722-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510306  
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-CA4-250-722-U-T5  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 2200K, 1130mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29006 lumens  
Efficiency: N/A  
Efficacy: 115.2 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

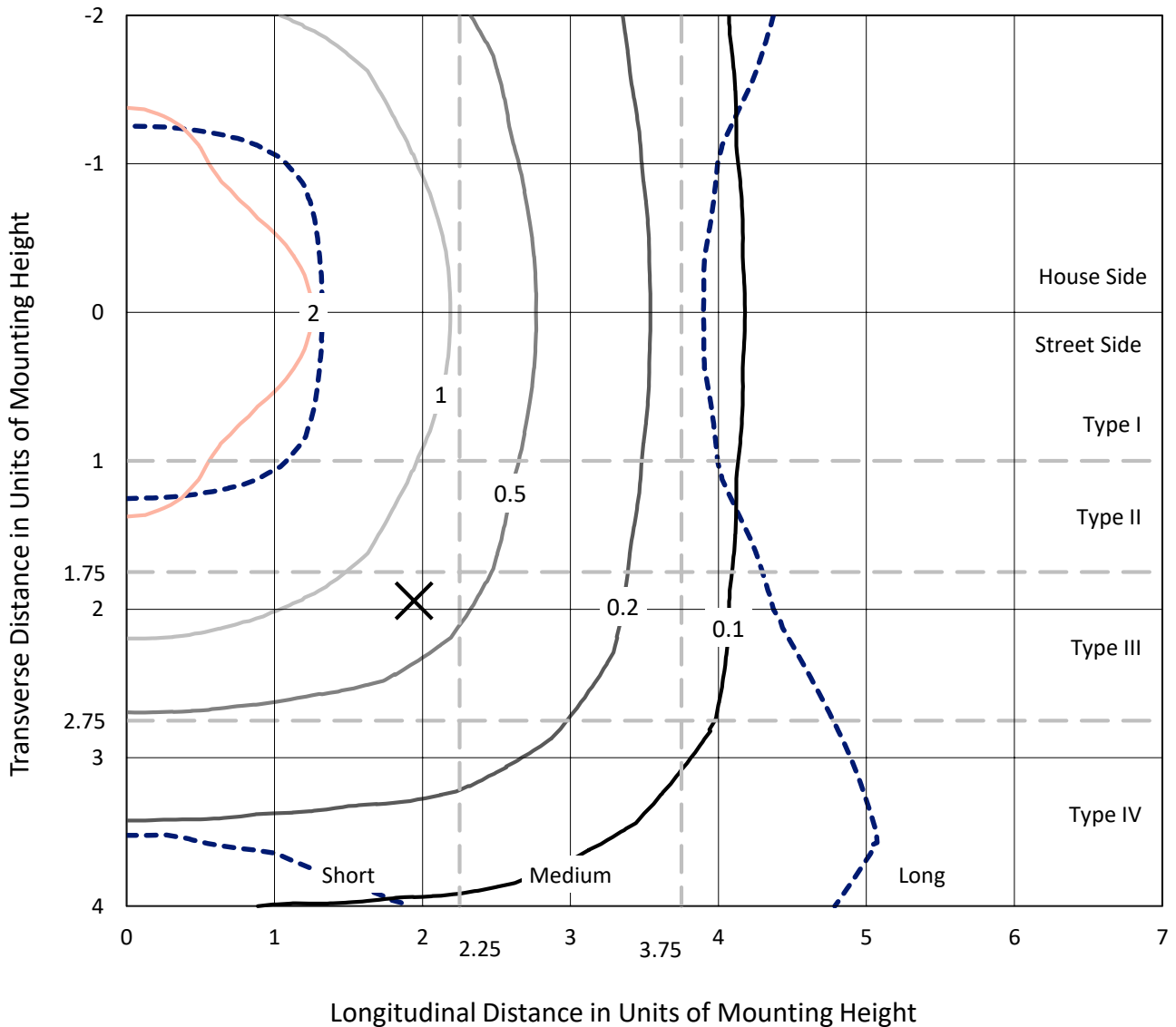
Input Watts (W): 251.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

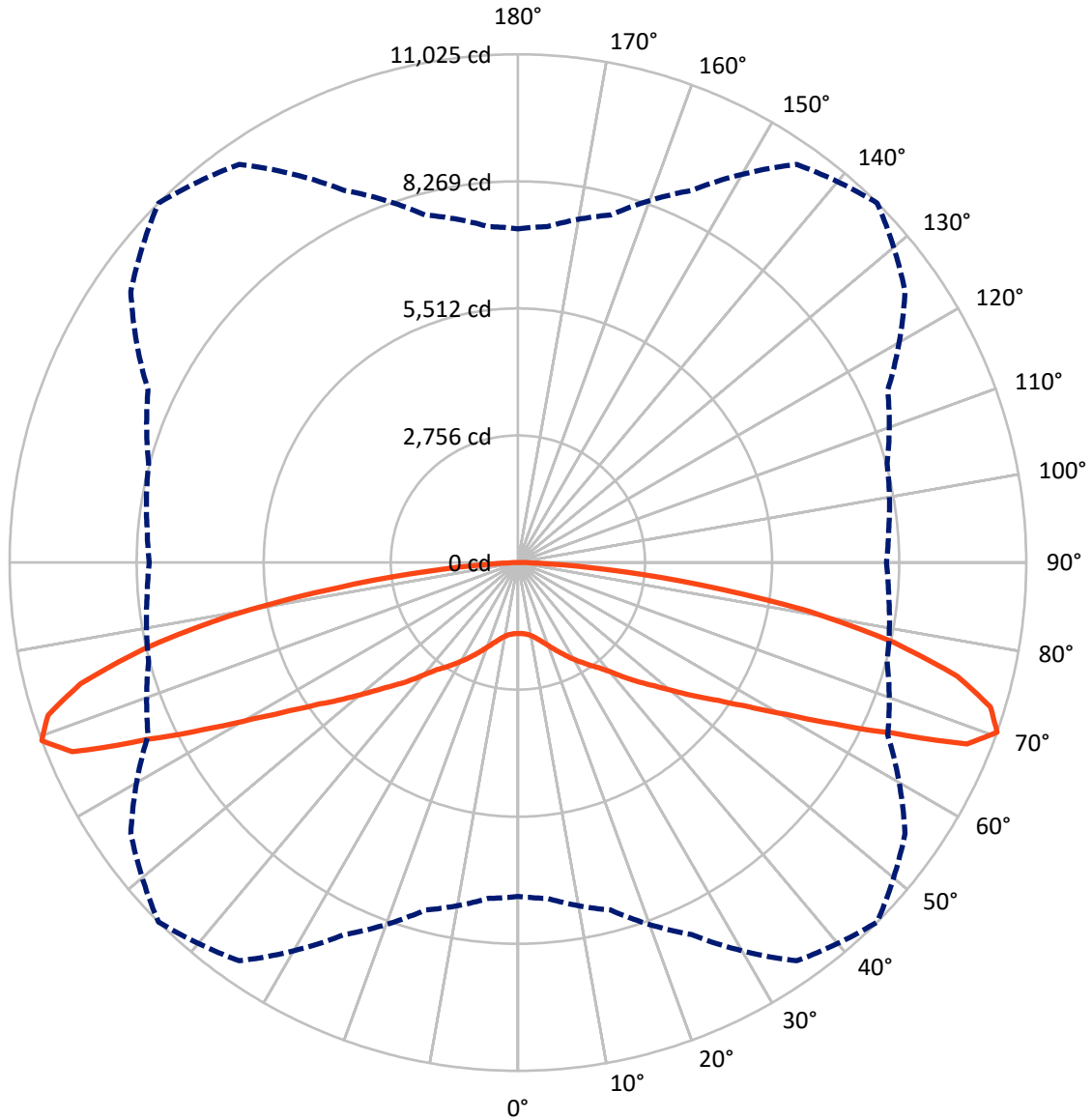
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	14503.0	0.0	14503.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14503.0	0.0	14503.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29006.0	0.0	29006.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.9	0.5
10°-20°	499.4	1.7
20°-30°	998.8	3.4
30°-40°	1737.8	6.0
40°-50°	3023.4	10.4
50°-60°	5264.1	18.1
60°-70°	8525.7	29.4
70°-80°	7314.1	25.2
80°-90°	1491.9	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°	29006.0	100.0
0°-180°	29006.0	100.0



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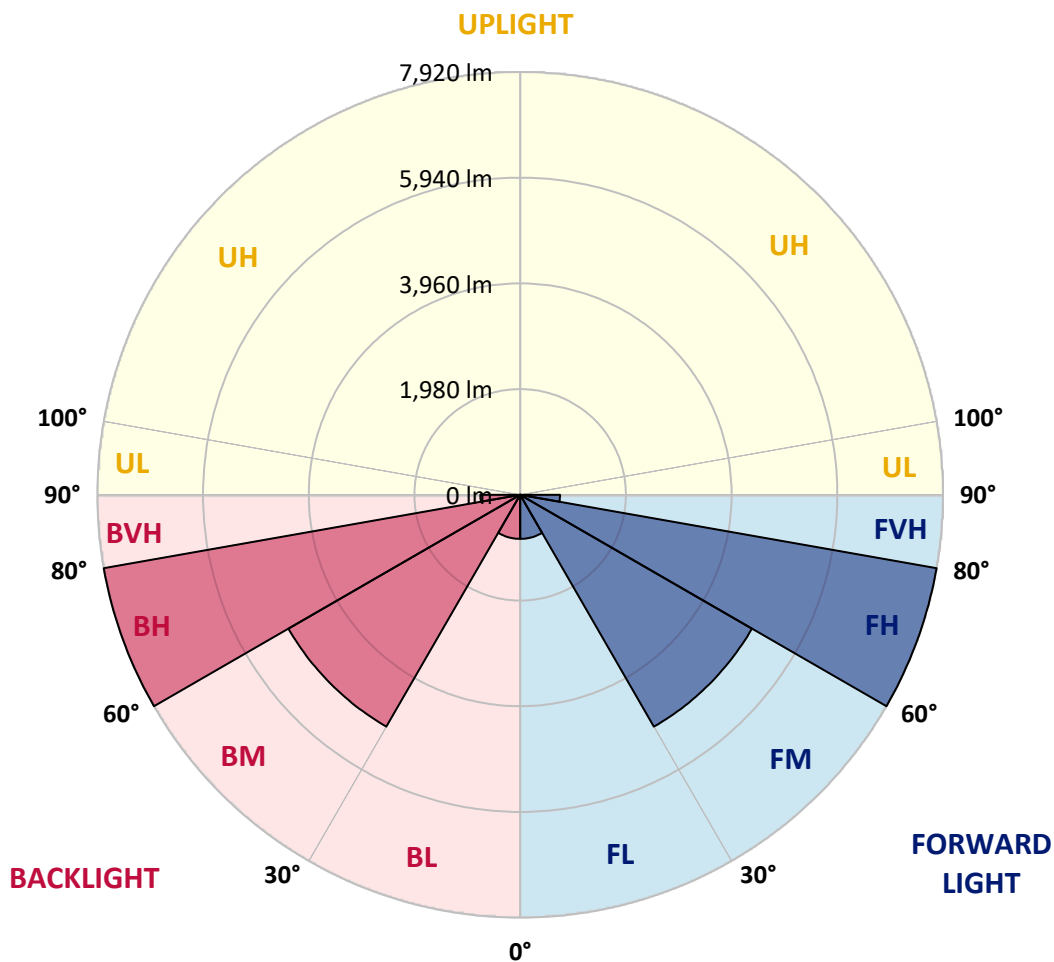
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	824.5	2.8			
FM	(30°-60°)	5012.7	17.3			
FH	(60°-80°)	7919.9	27.3			G4/12000
FVH	(80°-90°)	745.9	2.6			G4/750
BL	(0°-30°)	824.5	2.8	B2/1000		
BM	(30°-60°)	5012.7	17.3	B4/8500		
BH	(60°-80°)	7919.9	27.3	B5		G4/12000
BVH	(80°-90°)	745.9	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°	1542.8	1542.8	1542.8	1542.8	1542.8	1542.8	1542.8	1542.8	1542.8	1542.8	1542.8
2.5°	1537.7	1546.6	1545.3	1542.8	1539.0	1539.0	1541.5	1550.4	1551.7	1551.7	1551.7
5°	1555.5	1564.4	1563.1	1560.6	1556.8	1555.5	1558.1	1567.0	1568.2	1568.2	1569.5
7.5°	1575.9	1586.1	1586.1	1584.8	1575.9	1575.9	1578.4	1589.9	1589.9	1592.4	1595.0
10°	1610.2	1621.7	1625.5	1620.4	1615.3	1612.8	1615.3	1626.8	1625.5	1623.0	1624.2
12.5°	1657.3	1668.8	1677.7	1676.4	1671.3	1668.8	1671.3	1677.7	1670.1	1659.9	1659.9
15°	1715.9	1731.2	1741.4	1741.4	1747.7	1743.9	1740.1	1741.4	1729.9	1721.0	1721.0
17.5°	1791.0	1803.7	1812.6	1820.3	1830.5	1830.5	1821.5	1819.0	1803.7	1796.1	1797.4
20°	1882.6	1892.8	1905.6	1911.9	1932.3	1933.6	1918.3	1911.9	1896.6	1886.5	1889.0
22.5°	1981.9	1999.8	2004.8	2023.9	2048.1	2049.4	2029.0	2015.0	1999.8	1992.1	1993.4
25°	2101.6	2119.4	2115.6	2132.1	2169.1	2172.9	2150.0	2129.6	2116.9	2109.2	2111.8
27.5°	2232.7	2250.5	2249.2	2249.2	2292.5	2309.1	2277.2	2255.6	2258.2	2244.2	2249.2
30°	2372.7	2388.0	2396.9	2381.6	2423.6	2450.4	2399.4	2402.0	2400.7	2391.8	2390.5
32.5°	2536.9	2550.9	2549.7	2539.5	2552.2	2590.4	2549.7	2562.4	2566.2	2567.5	2577.7
35°	2724.0	2740.6	2722.8	2708.8	2710.0	2747.0	2716.4	2736.8	2757.1	2764.8	2764.8
37.5°	2923.9	2932.8	2913.7	2892.1	2887.0	2907.3	2902.3	2935.3	2969.7	2988.8	2999.0
40°	3182.3	3189.9	3153.0	3111.0	3103.4	3126.3	3132.7	3205.2	3257.4	3293.0	3299.4
42.5°	3541.3	3540.0	3487.8	3410.1	3373.2	3408.9	3454.7	3538.7	3626.5	3634.2	3660.9
45°	4003.3	3985.5	3918.0	3802.2	3709.3	3696.6	3751.3	3876.0	3974.0	4016.1	4032.6
47.5°	4530.3	4509.9	4387.7	4208.3	4049.2	3999.5	4045.3	4201.9	4348.3	4409.4	4442.5
50°	5118.4	5094.2	4970.7	4727.6	4462.8	4372.5	4400.5	4595.2	4765.8	4843.5	4902.0
52.5°	5751.0	5747.2	5589.4	5309.3	4955.5	4809.1	4800.2	5034.4	5263.5	5366.6	5398.4
55°	6429.5	6410.4	6269.1	5964.9	5555.0	5281.3	5282.6	5542.3	5822.3	5957.3	5972.5
57.5°	7095.2	7087.6	6931.0	6671.4	6252.6	5892.3	5856.7	6201.7	6484.2	6595.0	6600.1
60°	7724.1	7748.2	7666.8	7428.7	7091.4	6684.1	6631.9	6923.4	7164.0	7259.4	7293.8
62.5°	8424.2	8431.8	8421.6	8246.0	7988.8	7713.9	7585.3	7734.2	7972.3	8051.2	8034.7
65°	8924.4	8974.1	9089.9	9180.3	9125.5	8915.5	8746.2	8753.9	8801.0	8750.0	8746.2
67.5°	8286.7	8394.9	8789.5	9424.7	10173.2	10500.3	9812.9	9045.4	8760.2	8575.6	8574.4
70°	7240.4	7312.9	7805.5	8904.1	10543.6	11024.7	10249.5	8849.3	8290.5	8071.6	7993.9
72.5°	6159.6	6216.9	6759.2	7880.6	9955.5	10715.4	9970.8	8274.0	7538.2	7055.8	7064.7
75°	5129.9	5120.9	5530.8	6682.8	8812.4	9840.9	9232.5	7363.8	6316.2	5877.1	5827.4
77.5°	3556.5	3638.0	4103.9	5281.3	7144.9	8327.4	8238.3	6061.6	4840.9	4372.5	4403.0
80°	1863.6	1914.5	2466.9	3585.8	5227.9	6387.5	6270.4	4287.2	3127.6	2609.5	2511.5
82.5°	776.5	809.6	1127.8	1937.4	3195.0	3975.3	3921.9	2613.3	1743.9	1214.4	1211.8
85°	329.7	331.0	478.6	829.9	1612.8	1889.0	1516.0	1122.7	611.0	383.1	342.4
87.5°	140.0	145.1	194.8	380.6	510.4	412.4	243.1	150.2	100.6	61.1	47.1
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)