

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: P510066

Luminaire Tested: **VERD-M-CA4-200-722-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510066  
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-CA4-200-722-U-T5  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 2200K, 910mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24141 lumens  
Efficiency: N/A  
Efficacy: 119.6 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

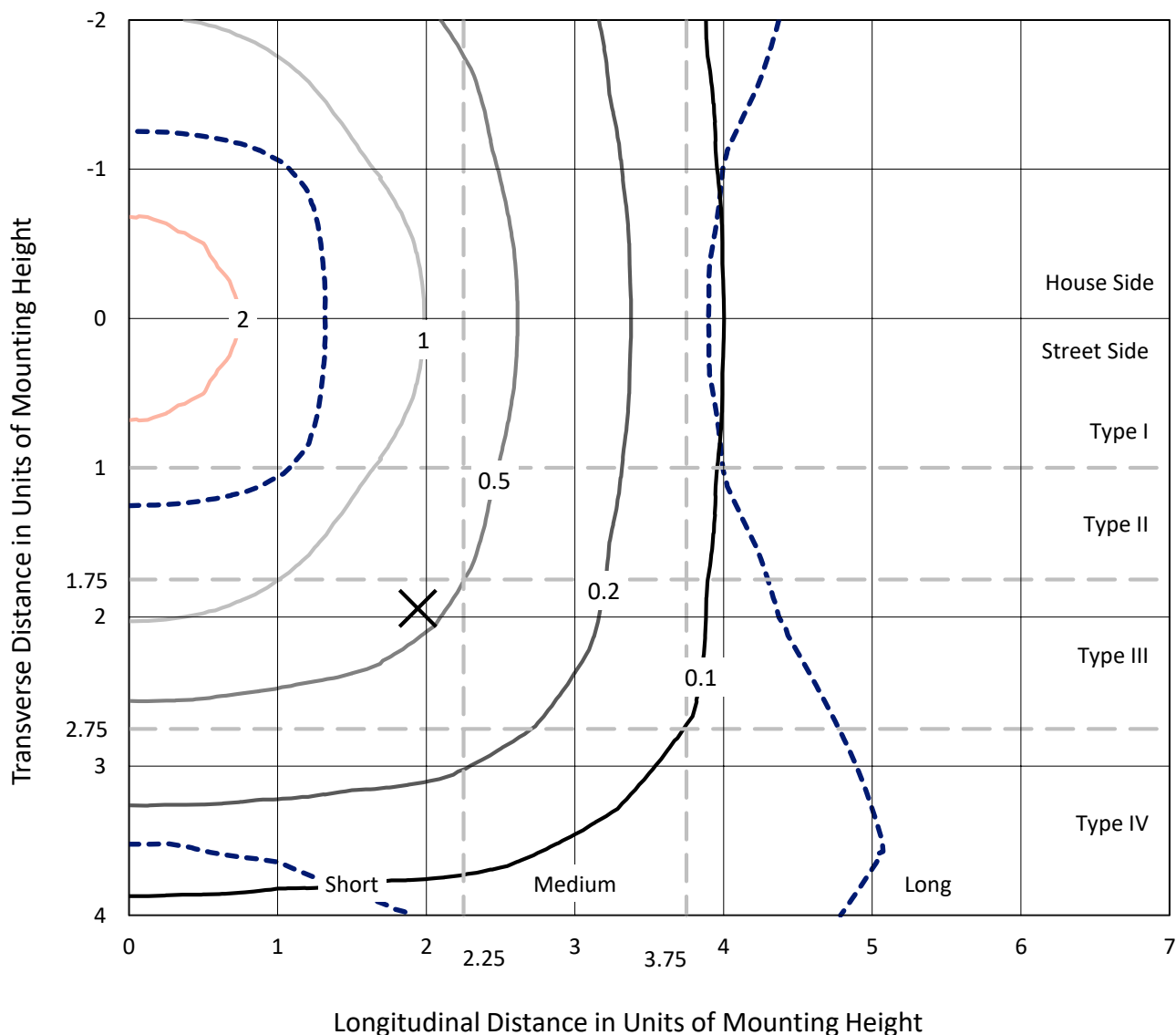
Input Watts (W): 201.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P510066  
 CATALOG NUMBER: VERD-M-CA4-200-722-U-T5

### Iso-Footcandle Lines of Horizontal Illumination

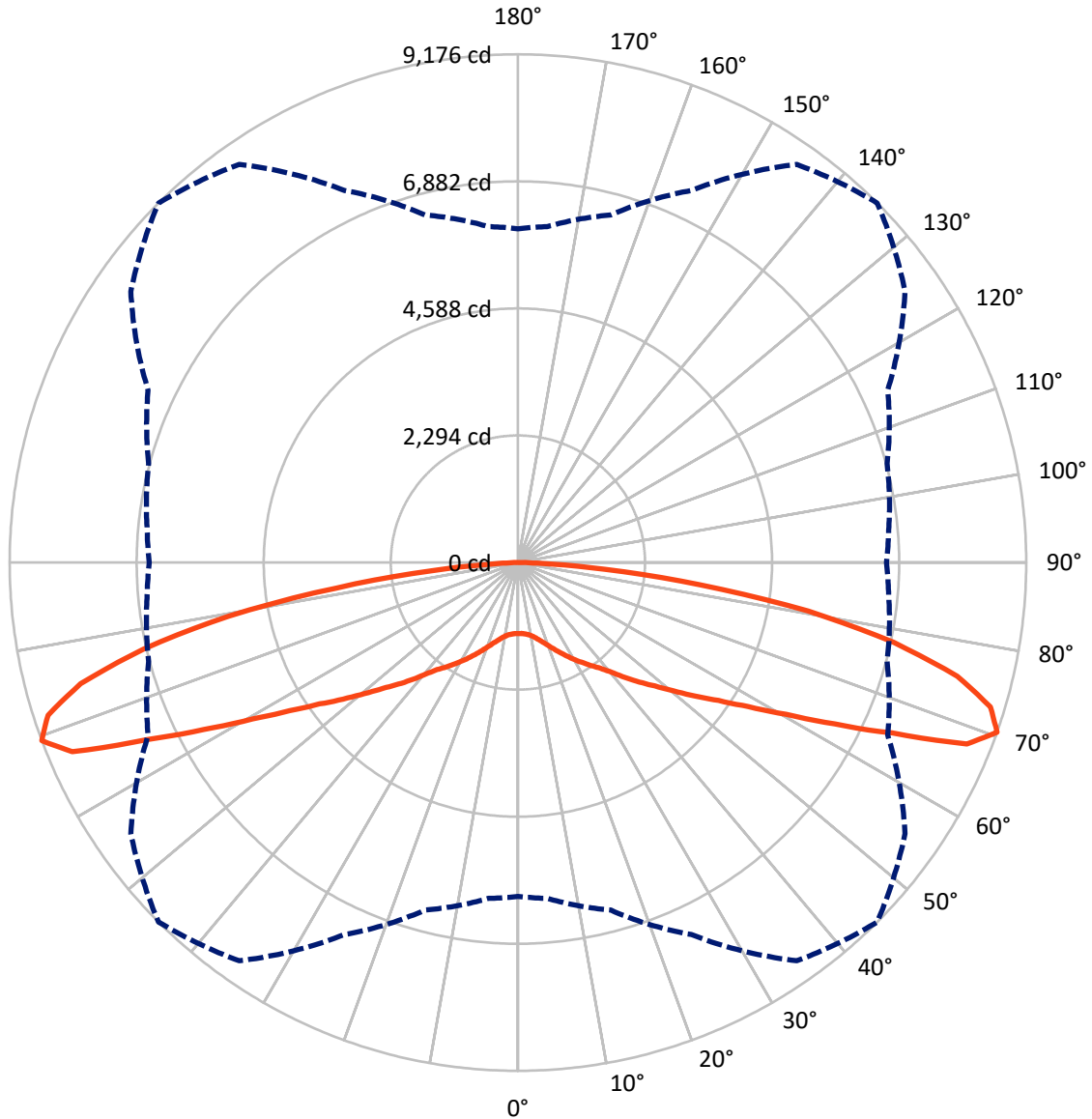
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P510066  
CATALOG NUMBER: VERD-M-CA4-200-722-U-T5

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P510066

CATALOG NUMBER: VERD-M-CA4-200-722-U-T5

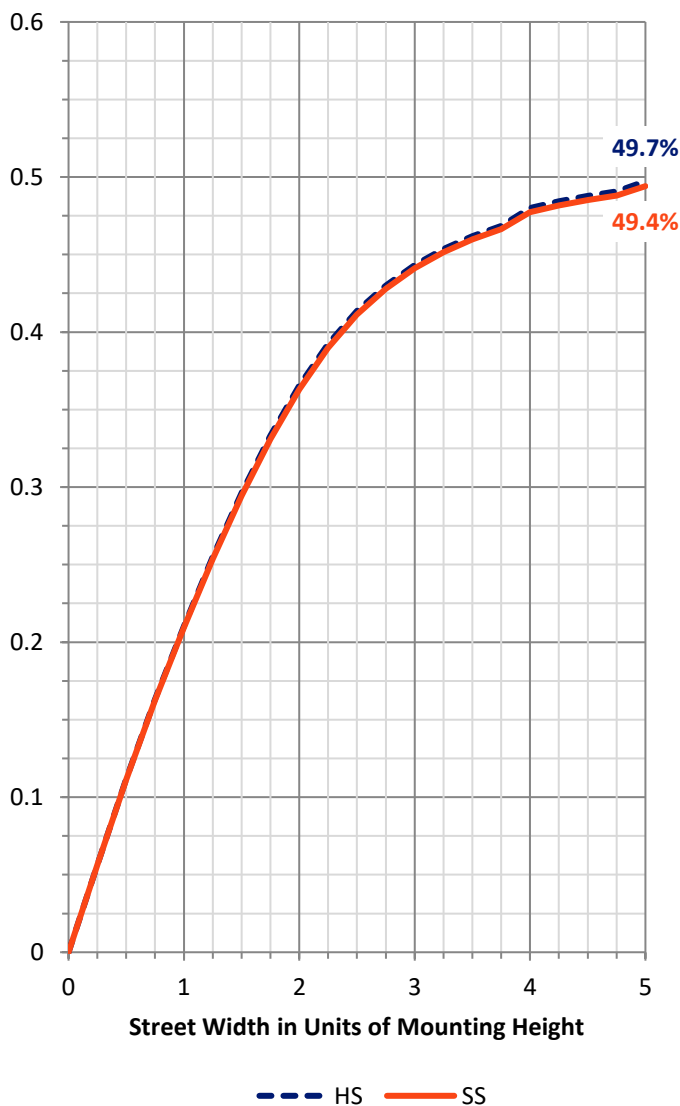
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12070.5	0.0	12070.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12070.5	0.0	12070.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24141.0	0.0	24141.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.6	0.5
10°-20°	415.6	1.7
20°-30°	831.2	3.4
30°-40°	1446.3	6.0
40°-50°	2516.3	10.4
50°-60°	4381.2	18.1
60°-70°	7095.7	29.4
70°-80°	6087.3	25.2
80°-90°	1241.7	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°	24141.0	100.0
0°-180°	24141.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P510066

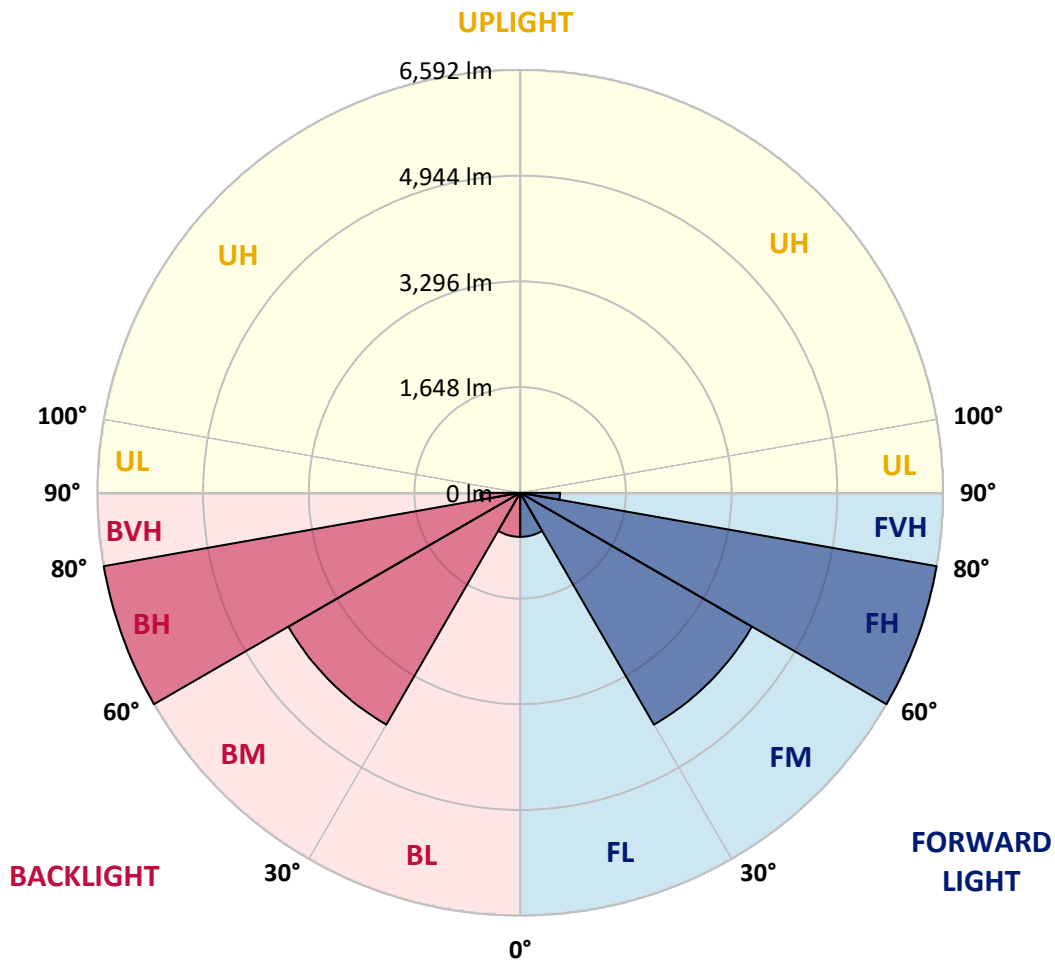
CATALOG NUMBER: VERD-M-CA4-200-722-U-T5

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	686.2	2.8			
FM (30°-60°)	4171.9	17.3			
FH (60°-80°)	6591.5	27.3			G3/7500
FVH (80°-90°)	620.8	2.6			G4/750
BL (0°-30°)	686.2	2.8	B2/1000		
BM (30°-60°)	4171.9	17.3	B3/5000		
BH (60°-80°)	6591.5	27.3	B5		G3/7500
BVH (80°-90°)	620.8	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





REPORT NUMBER: P510066

CATALOG NUMBER: VERD-M-CA4-200-722-U-T5

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
2.5°	1279.8	1287.2	1286.1	1284.0	1280.8	1280.8	1283.0	1290.4	1291.4	1291.4	1291.4
5°	1294.6	1302.0	1301.0	1298.8	1295.7	1294.6	1296.7	1304.1	1305.2	1305.2	1306.3
7.5°	1311.6	1320.0	1320.0	1319.0	1311.6	1311.6	1313.7	1323.2	1323.2	1325.3	1327.5
10°	1340.2	1349.7	1352.9	1348.6	1344.4	1342.3	1344.4	1353.9	1352.9	1350.8	1351.8
12.5°	1379.4	1388.9	1396.3	1395.3	1391.0	1388.9	1391.0	1396.3	1390.0	1381.5	1381.5
15°	1428.1	1440.8	1449.3	1449.3	1454.6	1451.4	1448.2	1449.3	1439.8	1432.3	1432.3
17.5°	1490.6	1501.2	1508.6	1515.0	1523.4	1523.4	1516.0	1513.9	1501.2	1494.8	1495.9
20°	1566.9	1575.4	1586.0	1591.2	1608.2	1609.3	1596.5	1591.2	1578.5	1570.1	1572.2
22.5°	1649.5	1664.3	1668.6	1684.5	1704.6	1705.7	1688.7	1677.1	1664.3	1658.0	1659.0
25°	1749.1	1763.9	1760.8	1774.5	1805.2	1808.4	1789.4	1772.4	1761.8	1755.5	1757.6
27.5°	1858.2	1873.1	1872.0	1872.0	1908.0	1921.8	1895.3	1877.3	1879.4	1867.8	1872.0
30°	1974.8	1987.5	1994.9	1982.2	2017.1	2039.4	1997.0	1999.1	1998.1	1990.6	1989.6
32.5°	2111.4	2123.1	2122.0	2113.5	2124.1	2155.9	2122.0	2132.6	2135.8	2136.8	2145.3
35°	2267.2	2280.9	2266.1	2254.4	2255.5	2286.2	2260.8	2277.8	2294.7	2301.1	2301.1
37.5°	2433.5	2440.9	2425.0	2407.0	2402.8	2419.7	2415.5	2443.0	2471.6	2487.5	2496.0
40°	2648.5	2654.9	2624.2	2589.2	2582.9	2601.9	2607.2	2667.6	2711.1	2740.7	2746.0
42.5°	2947.3	2946.2	2902.8	2838.2	2807.5	2837.1	2875.3	2945.2	3018.3	3024.6	3046.9
45°	3331.9	3317.0	3260.9	3164.5	3087.1	3076.6	3122.1	3225.9	3307.5	3342.5	3356.2
47.5°	3770.5	3753.5	3651.8	3502.4	3370.0	3328.7	3366.8	3497.1	3619.0	3669.8	3697.4
50°	4259.9	4239.8	4137.0	3934.7	3714.3	3639.1	3662.4	3824.5	3966.5	4031.1	4079.8
52.5°	4786.5	4783.3	4651.9	4418.8	4124.3	4002.5	3995.1	4190.0	4380.7	4466.5	4493.0
55°	5351.1	5335.2	5217.6	4964.4	4623.3	4395.5	4396.6	4612.7	4845.8	4958.1	4970.8
57.5°	5905.2	5898.8	5768.5	5552.4	5203.9	4904.1	4874.4	5161.5	5396.7	5488.8	5493.1
60°	6428.6	6448.7	6380.9	6182.8	5902.0	5563.0	5519.6	5762.2	5962.4	6041.9	6070.5
62.5°	7011.2	7017.6	7009.1	6862.9	6648.9	6420.1	6313.1	6437.0	6635.1	6700.8	6687.1
65°	7427.6	7468.9	7565.3	7640.5	7595.0	7420.2	7279.3	7285.6	7324.8	7282.4	7279.3
67.5°	6896.8	6986.9	7315.3	7843.9	8466.9	8739.1	8167.1	7528.2	7290.9	7137.3	7136.2
70°	6026.0	6086.4	6496.4	7410.6	8775.2	9175.6	8530.4	7365.1	6900.0	6717.8	6653.2
72.5°	5126.5	5174.2	5625.5	6558.9	8285.7	8918.2	8298.4	6886.2	6273.9	5872.4	5879.8
75°	4269.5	4262.0	4603.2	5561.9	7334.4	8190.4	7684.0	6128.7	5256.8	4891.3	4850.0
77.5°	2960.0	3027.8	3415.6	4395.5	5946.5	6930.7	6856.6	5045.0	4029.0	3639.1	3664.5
80°	1551.0	1593.4	2053.2	2984.4	4351.0	5316.2	5218.7	3568.1	2603.0	2171.8	2090.2
82.5°	646.2	673.8	938.6	1612.4	2659.1	3308.6	3264.1	2175.0	1451.4	1010.7	1008.6
85°	274.4	275.4	398.3	690.7	1342.3	1572.2	1261.8	934.4	508.5	318.9	285.0
87.5°	116.5	120.8	162.1	316.8	424.8	343.3	202.3	125.0	83.7	50.9	39.2
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)