

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: P510258

Luminaire Tested: **VERD-M-CA4-240-722-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510258
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-CA4-240-722-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 2200K, 1090mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28065 lumens
Efficiency: N/A
Efficacy: 115.8 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

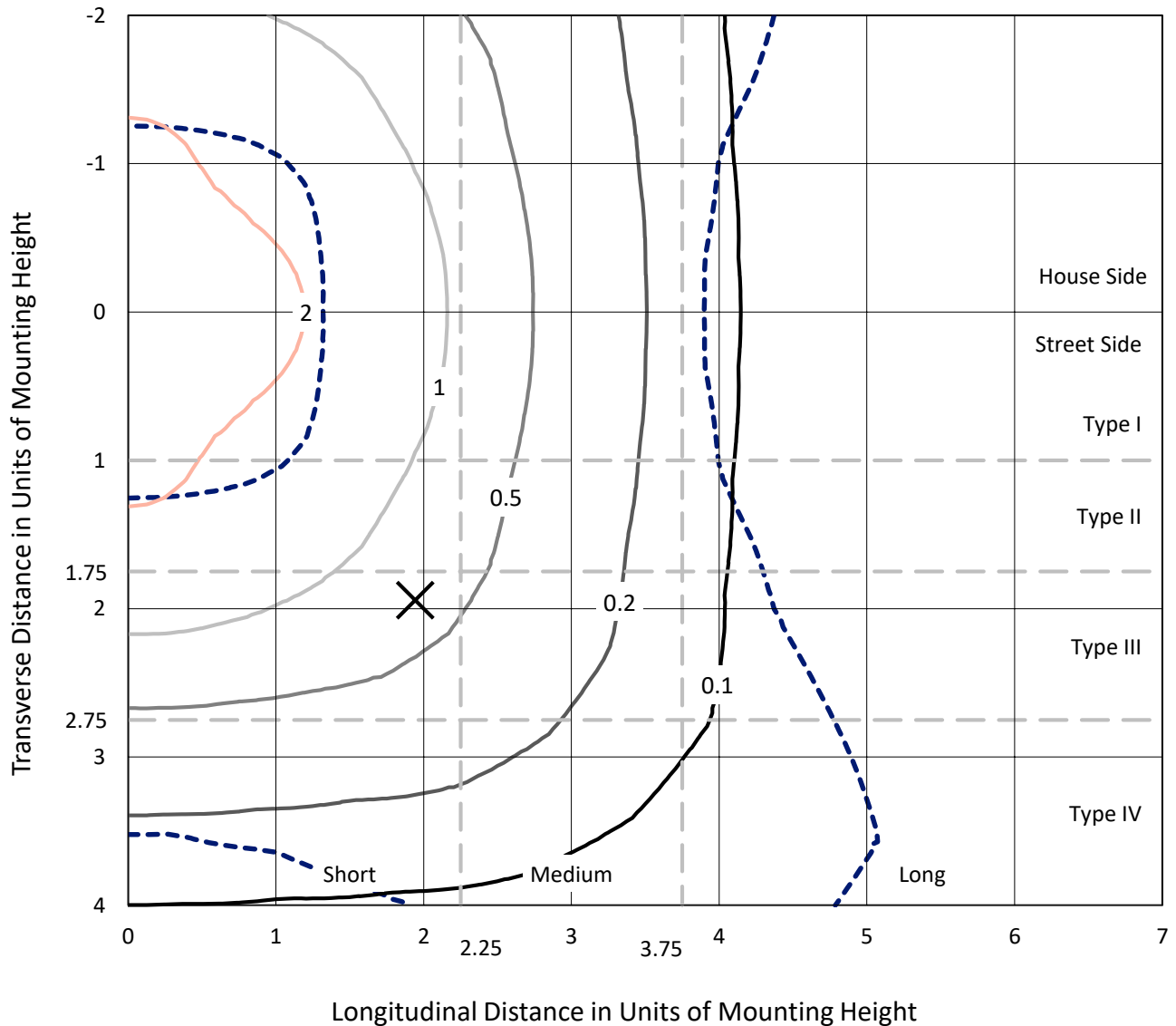
Input Watts (W): 242.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

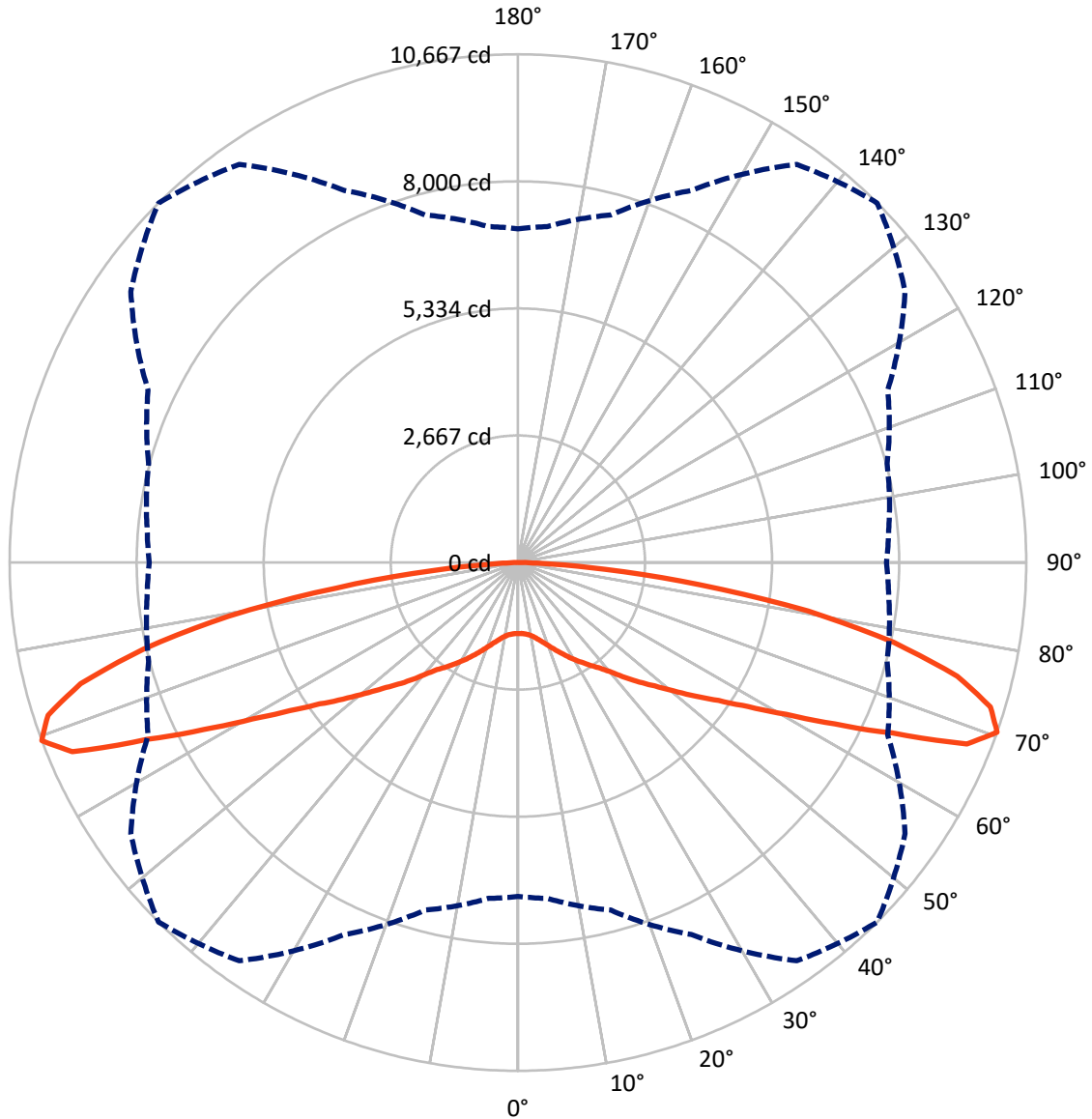
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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
House Side	Lumens	14032.5	0.0	14032.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14032.5	0.0	14032.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28065.0	0.0	28065.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	0.5
10°-20°	483.2	1.7
20°-30°	966.4	3.4
30°-40°	1681.4	6.0
40°-50°	2925.3	10.4
50°-60°	5093.3	18.1
60°-70°	8249.1	29.4
70°-80°	7076.8	25.2
80°-90°	1443.5	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°	28065.0	100.0
0°-180°	28065.0	100.0



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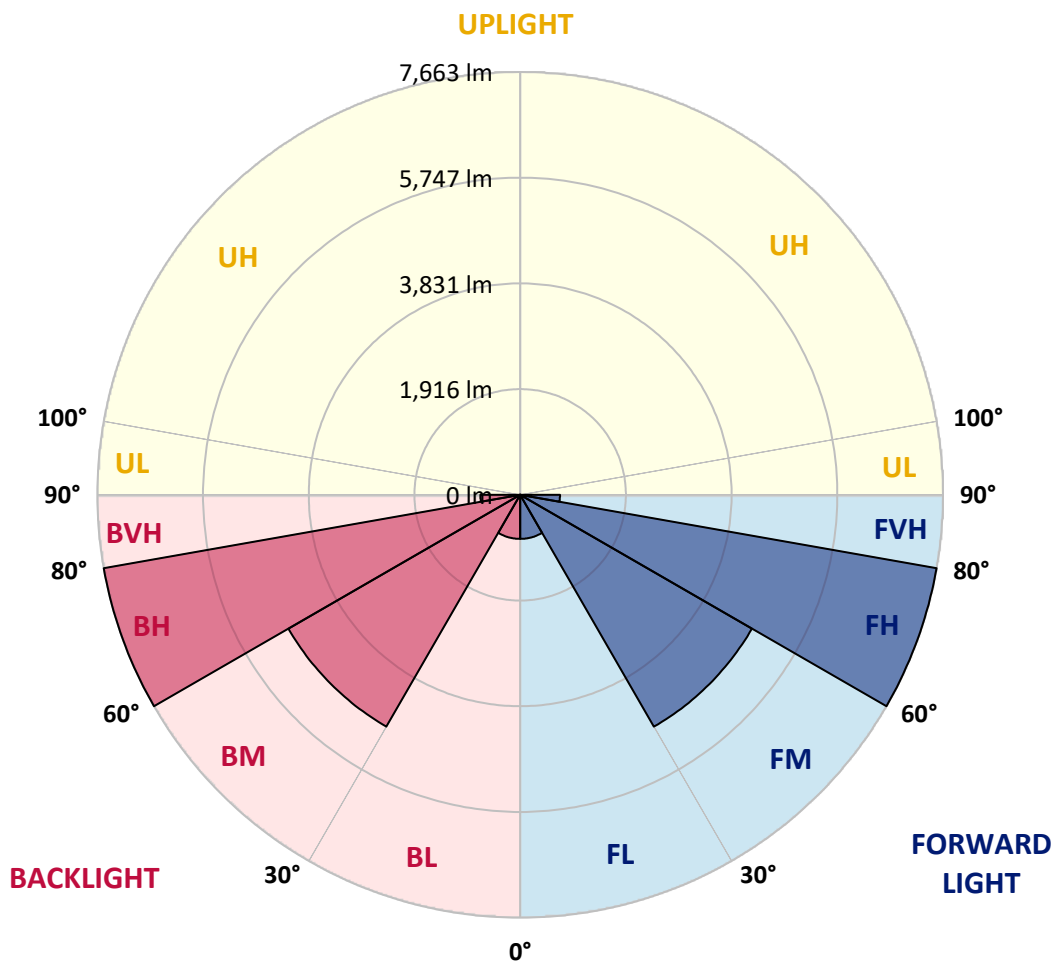
CATALOG NUMBER: VERD-M-CA4-240-722-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	797.8	2.8			
FM	(30°-60°)	4850.1	17.3			
FH	(60°-80°)	7662.9	27.3			G4/12000
FVH	(80°-90°)	721.7	2.6			G4/750
BL	(0°-30°)	797.8	2.8	B2/1000		
BM	(30°-60°)	4850.1	17.3	B3/5000		
BH	(60°-80°)	7662.9	27.3	B5		G4/12000
BVH	(80°-90°)	721.7	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°	1492.7	1492.7	1492.7	1492.7	1492.7	1492.7	1492.7	1492.7	1492.7	1492.7	1492.7
2.5°	1487.8	1496.4	1495.2	1492.7	1489.0	1489.0	1491.5	1500.1	1501.3	1501.3	1501.3
5°	1505.0	1513.7	1512.4	1510.0	1506.3	1505.0	1507.5	1516.1	1517.4	1517.4	1518.6
7.5°	1524.7	1534.6	1534.6	1533.4	1524.7	1524.7	1527.2	1538.3	1538.3	1540.8	1543.2
10°	1558.0	1569.1	1572.8	1567.9	1562.9	1560.5	1562.9	1574.0	1572.8	1570.3	1571.5
12.5°	1603.6	1614.7	1623.3	1622.0	1617.1	1614.7	1617.1	1623.3	1615.9	1606.0	1606.0
15°	1660.2	1675.0	1684.9	1684.9	1691.0	1687.3	1683.6	1684.9	1673.8	1665.2	1665.2
17.5°	1732.9	1745.2	1753.8	1761.2	1771.1	1771.1	1762.5	1760.0	1745.2	1737.8	1739.1
20°	1821.6	1831.4	1843.7	1849.9	1869.6	1870.8	1856.1	1849.9	1835.1	1825.3	1827.7
22.5°	1917.6	1934.9	1939.8	1958.3	1981.7	1982.9	1963.2	1949.7	1934.9	1927.5	1928.7
25°	2033.4	2050.7	2047.0	2063.0	2098.7	2102.4	2080.2	2060.5	2048.2	2040.8	2043.3
27.5°	2160.3	2177.5	2176.3	2176.3	2218.2	2234.2	2203.4	2182.4	2184.9	2171.3	2176.3
30°	2295.7	2310.5	2319.1	2304.4	2345.0	2370.9	2321.6	2324.1	2322.8	2314.2	2313.0
32.5°	2454.6	2468.2	2466.9	2457.1	2469.4	2506.4	2466.9	2479.3	2483.0	2484.2	2494.0
35°	2635.7	2651.7	2634.4	2620.9	2622.1	2657.8	2628.3	2648.0	2667.7	2675.1	2675.1
37.5°	2829.0	2837.7	2819.2	2798.2	2793.3	2813.0	2808.1	2840.1	2873.4	2891.8	2901.7
40°	3079.1	3086.4	3050.7	3010.1	3002.7	3024.9	3031.0	3101.2	3151.7	3186.2	3192.4
42.5°	3426.4	3425.1	3374.6	3299.5	3263.8	3298.3	3342.6	3423.9	3508.9	3516.3	3542.1
45°	3873.5	3856.2	3790.9	3678.9	3588.9	3576.6	3629.6	3750.3	3845.1	3885.8	3901.8
47.5°	4383.3	4363.6	4245.4	4071.7	3917.8	3869.8	3914.1	4065.6	4207.2	4266.3	4298.4
50°	4952.4	4929.0	4809.5	4574.2	4318.1	4230.6	4257.7	4446.2	4611.2	4686.3	4743.0
52.5°	5564.5	5560.8	5408.1	5137.1	4794.7	4653.1	4644.4	4871.1	5092.8	5192.5	5223.3
55°	6220.9	6202.4	6065.7	5771.4	5374.8	5110.0	5111.2	5362.5	5633.4	5764.0	5778.8
57.5°	6865.1	6857.7	6706.2	6454.9	6049.7	5701.2	5666.7	6000.5	6273.9	6381.0	6386.0
60°	7473.5	7496.9	7418.1	7187.7	6861.4	6467.2	6416.8	6698.8	6931.6	7023.9	7057.2
62.5°	8150.9	8158.3	8148.4	7978.4	7729.7	7463.6	7339.2	7483.3	7713.6	7790.0	7774.0
65°	8634.9	8682.9	8795.0	8882.5	8829.5	8626.3	8462.5	8469.9	8515.4	8466.2	8462.5
67.5°	8017.9	8122.5	8504.4	9118.9	9843.1	10159.7	9494.6	8751.9	8476.0	8297.4	8296.2
70°	7005.5	7075.7	7552.3	8615.2	10201.5	10667.1	9917.0	8562.2	8021.6	7809.7	7734.6
72.5°	5959.8	6015.2	6539.9	7625.0	9632.5	10367.8	9647.3	8005.5	7293.7	6826.9	6835.5
75°	4963.4	4954.8	5351.4	6466.0	8526.5	9521.7	8933.0	7124.9	6111.3	5686.4	5638.4
77.5°	3441.2	3520.0	3970.7	5110.0	6913.1	8057.3	7971.1	5865.0	4683.9	4230.6	4260.2
80°	1803.1	1852.4	2386.9	3469.5	5058.3	6180.3	6067.0	4148.1	3026.1	2524.8	2430.0
82.5°	751.3	783.3	1091.2	1874.5	3091.4	3846.4	3794.6	2528.5	1687.3	1175.0	1172.5
85°	319.0	320.2	463.1	803.0	1560.5	1827.7	1466.9	1086.3	591.2	370.7	331.3
87.5°	135.5	140.4	188.4	368.3	493.9	399.0	235.2	145.3	97.3	59.1	45.6
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)