

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: P509858

Luminaire Tested: **VERD-M-CA3-150-750-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509858
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-CA3-150-750-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 5000K, 940mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23205 lumens
Efficiency: N/A
Efficacy: 151.7 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

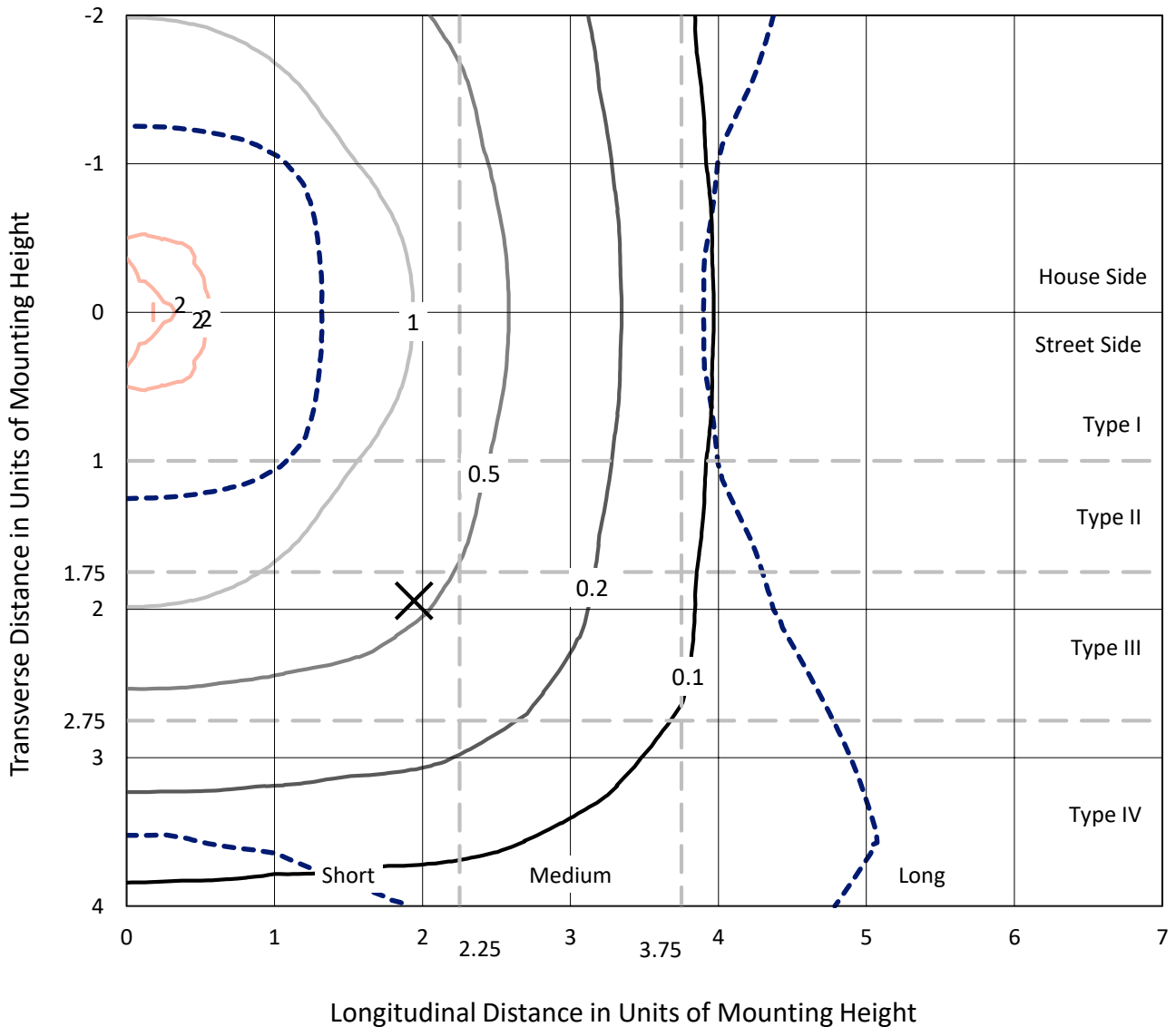
Input Watts (W): 153
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

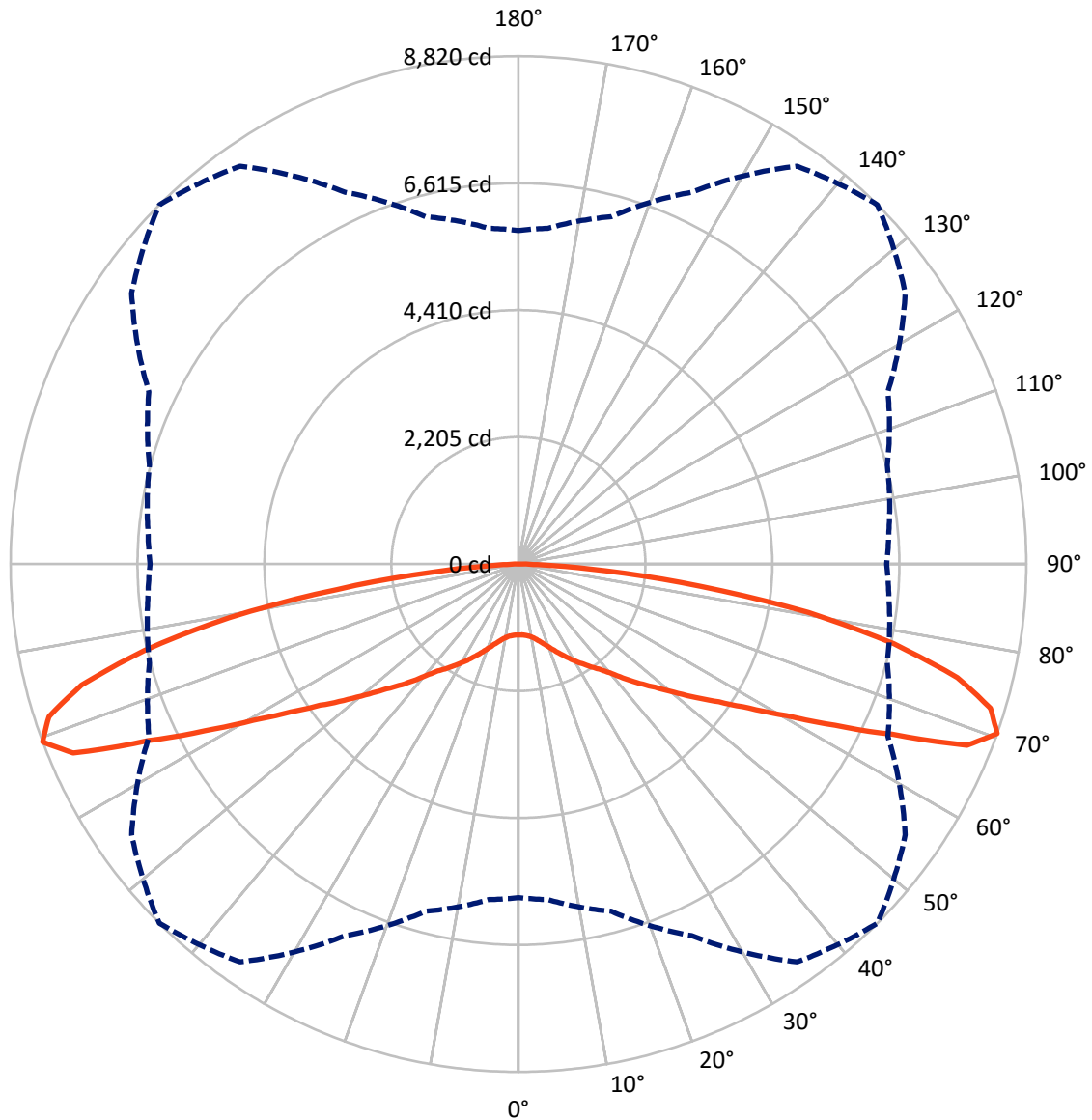
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	11602.5	0.0	11602.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11602.5	0.0	11602.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23205.0	0.0	23205.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	0.5
10°-20°	399.5	1.7
20°-30°	799.0	3.4
30°-40°	1390.3	6.0
40°-50°	2418.8	10.4
50°-60°	4211.3	18.1
60°-70°	6820.6	29.4
70°-80°	5851.3	25.2
80°-90°	1193.5	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°	23205.0	100.0
0°-180°	23205.0	100.0



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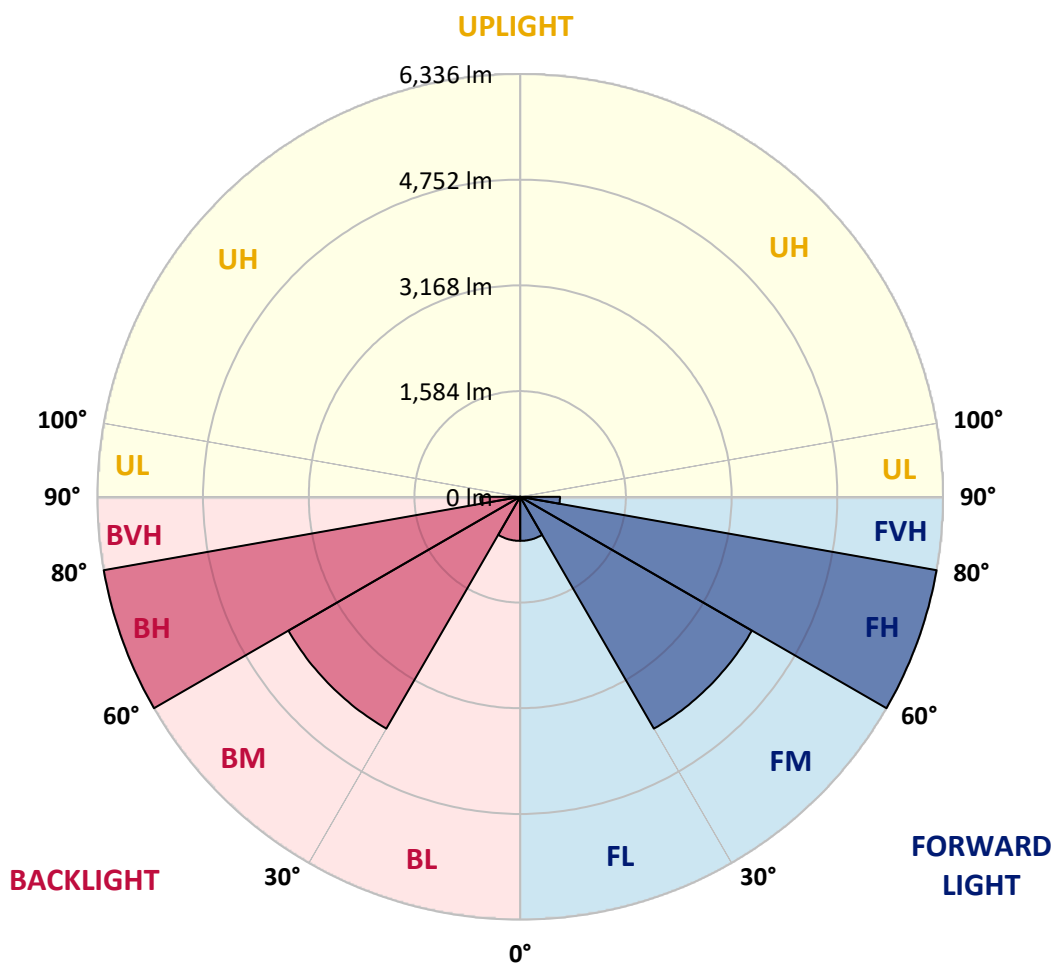
CATALOG NUMBER: VERD-M-CA3-150-750-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	659.6	2.8			
FM (30°-60°)	4010.2	17.3			
FH (60°-80°)	6336.0	27.3			G3/7500
FVH (80°-90°)	596.8	2.6			G4/750
BL (0°-30°)	659.6	2.8	B2/1000		
BM (30°-60°)	4010.2	17.3	B3/5000		
BH (60°-80°)	6336.0	27.3	B5		G3/7500
BVH (80°-90°)	596.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1234.2	1234.2	1234.2	1234.2	1234.2	1234.2	1234.2	1234.2	1234.2	1234.2	1234.2
2.5°	1230.2	1237.3	1236.3	1234.2	1231.2	1231.2	1233.2	1240.3	1241.4	1241.4	1241.4
5°	1244.4	1251.5	1250.5	1248.5	1245.4	1244.4	1246.5	1253.6	1254.6	1254.6	1255.6
7.5°	1260.7	1268.9	1268.9	1267.8	1260.7	1260.7	1262.7	1271.9	1271.9	1273.9	1276.0
10°	1288.2	1297.4	1300.4	1296.4	1292.3	1290.2	1292.3	1301.4	1300.4	1298.4	1299.4
12.5°	1325.9	1335.0	1342.2	1341.2	1337.1	1335.0	1337.1	1342.2	1336.1	1327.9	1327.9
15°	1372.7	1384.9	1393.1	1393.1	1398.2	1395.1	1392.1	1393.1	1383.9	1376.8	1376.8
17.5°	1432.8	1443.0	1450.1	1456.2	1464.4	1464.4	1457.2	1455.2	1443.0	1436.9	1437.9
20°	1506.1	1514.3	1524.5	1529.6	1545.8	1546.9	1534.6	1529.6	1517.3	1509.2	1511.2
22.5°	1585.6	1599.8	1603.9	1619.2	1638.5	1639.5	1623.2	1612.0	1599.8	1593.7	1594.7
25°	1681.3	1695.5	1692.5	1705.7	1735.3	1738.3	1720.0	1703.7	1693.5	1687.4	1689.4
27.5°	1786.2	1800.4	1799.4	1799.4	1834.0	1847.3	1821.8	1804.5	1806.5	1795.3	1799.4
30°	1898.2	1910.4	1917.5	1905.3	1938.9	1960.3	1919.6	1921.6	1920.6	1913.5	1912.4
32.5°	2029.6	2040.8	2039.7	2031.6	2041.8	2072.3	2039.7	2049.9	2053.0	2054.0	2062.1
35°	2179.3	2192.5	2178.2	2167.0	2168.1	2197.6	2173.1	2189.4	2205.7	2211.8	2211.8
37.5°	2339.1	2346.3	2331.0	2313.7	2309.6	2325.9	2321.8	2348.3	2375.8	2391.1	2399.2
40°	2545.9	2552.0	2522.4	2488.8	2482.7	2501.1	2506.1	2564.2	2605.9	2634.5	2639.5
42.5°	2833.0	2832.0	2790.3	2728.1	2698.6	2727.1	2763.8	2831.0	2901.3	2907.4	2928.8
45°	3202.7	3188.4	3134.5	3041.8	2967.5	2957.3	3001.1	3100.9	3179.3	3212.9	3226.1
47.5°	3624.3	3608.0	3510.2	3366.6	3239.3	3199.6	3236.3	3361.5	3478.7	3527.5	3554.0
50°	4094.8	4075.4	3976.6	3782.1	3570.3	3498.0	3520.4	3676.2	3812.7	3874.8	3921.6
52.5°	4600.9	4597.8	4471.5	4247.5	3964.4	3847.3	3840.2	4027.5	4210.8	4293.3	4318.8
55°	5143.6	5128.4	5015.3	4772.0	4444.0	4225.1	4226.1	4433.9	4657.9	4765.8	4778.1
57.5°	5676.2	5670.1	5544.9	5337.1	5002.1	4713.9	4685.4	4961.4	5187.4	5276.0	5280.1
60°	6179.3	6198.7	6133.5	5943.0	5673.2	5347.3	5305.6	5538.8	5731.2	5807.6	5835.1
62.5°	6739.4	6745.5	6737.4	6596.8	6391.1	6171.2	6068.3	6187.5	6377.9	6441.0	6427.8
65°	7139.6	7179.3	7272.0	7344.3	7300.5	7132.5	6997.0	7003.1	7040.8	7000.1	6997.0
67.5°	6629.4	6716.0	7031.7	7539.8	8138.6	8400.3	7850.4	7236.3	7008.2	6860.6	6859.6
70°	5792.3	5850.4	6244.5	7123.3	8434.9	8819.9	8199.7	7079.5	6632.5	6457.3	6395.2
72.5°	4927.8	4973.6	5407.4	6304.6	7964.5	8572.4	7976.7	6619.2	6030.6	5644.7	5651.8
75°	4103.9	4096.8	4424.7	5346.3	7050.0	7872.8	7386.0	5891.1	5053.0	4701.7	4662.0
77.5°	2845.2	2910.4	3283.1	4225.1	5716.0	6662.0	6590.7	4849.3	3872.8	3498.0	3522.4
80°	1490.9	1531.6	1973.5	2868.7	4182.3	5110.0	5016.4	3429.8	2502.1	2087.6	2009.2
82.5°	621.2	647.7	902.3	1549.9	2556.0	3180.3	3137.5	2090.7	1395.1	971.5	969.5
85°	263.8	264.8	382.9	664.0	1290.2	1511.2	1212.8	898.2	488.8	306.5	273.9
87.5°	112.0	116.1	155.8	304.5	408.4	329.9	194.5	120.2	80.4	48.9	37.7
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)