

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: P509866

Luminaire Tested: **VERD-M-CA3-150-760-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509866  
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-CA3-150-760-U-T5  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(3) 70 CRI, 5700K, 940mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22713 lumens  
Efficiency: N/A  
Efficacy: 148.5 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

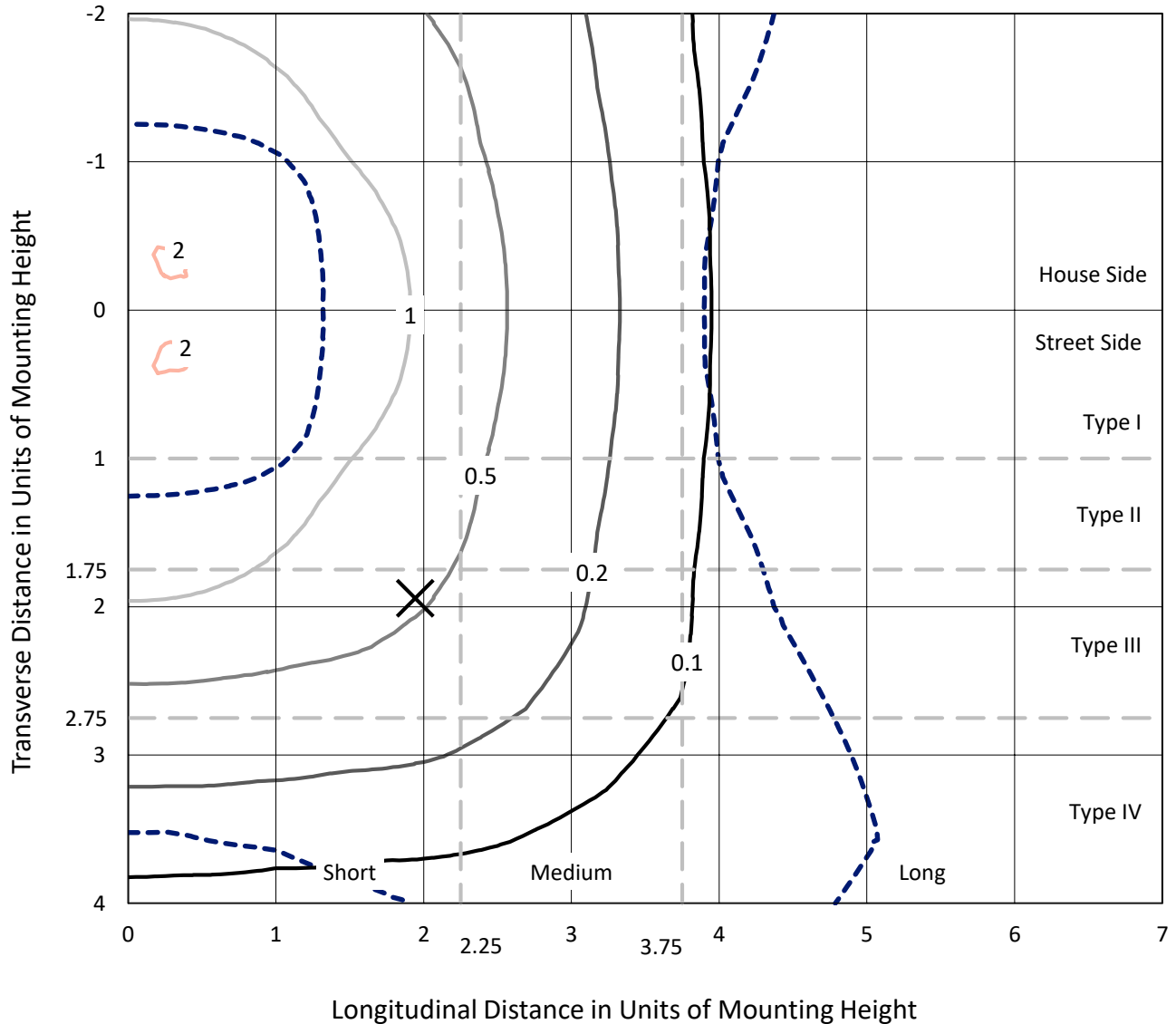
Input Watts (W): 153  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

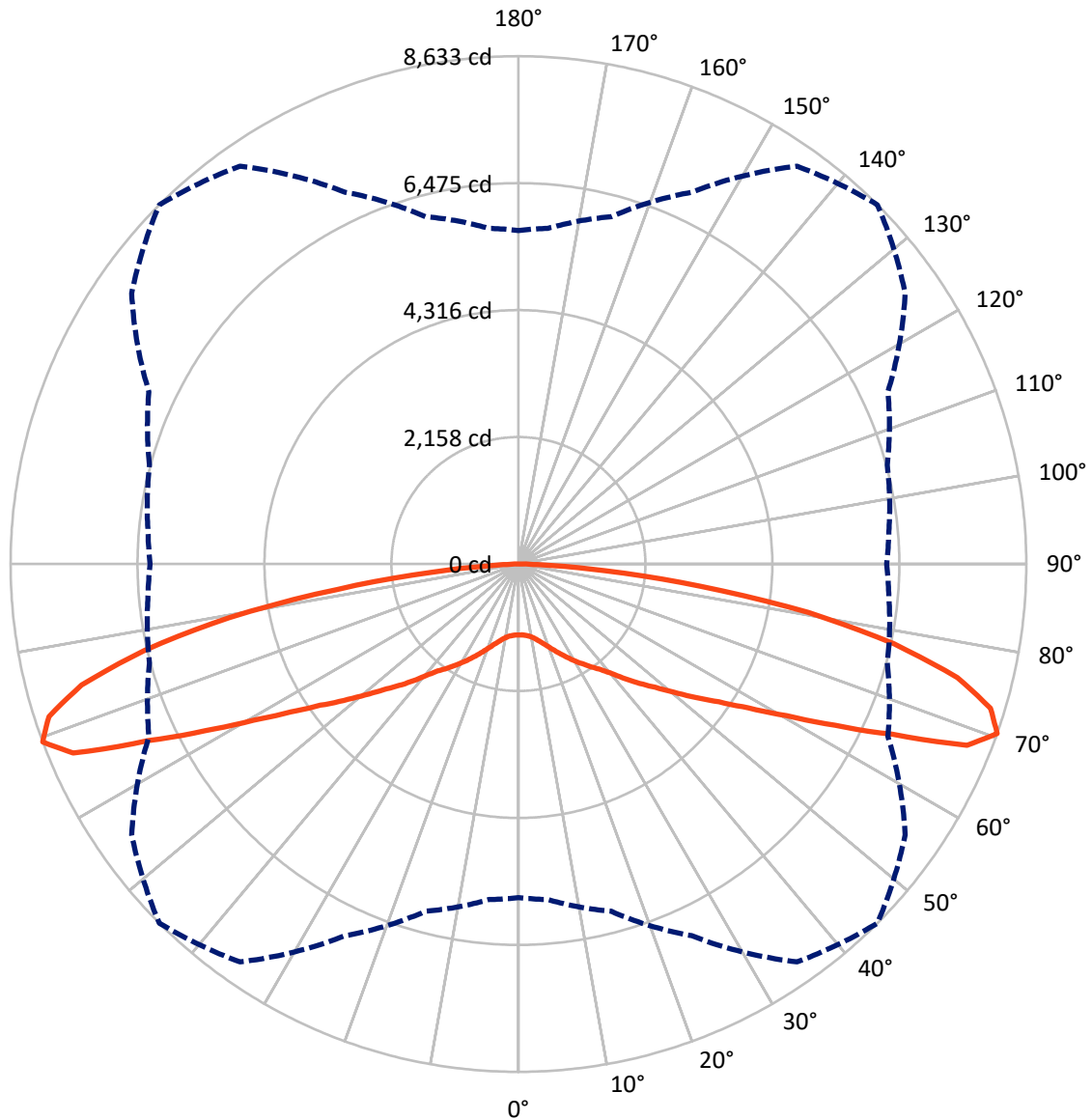
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	11356.5	0.0	11356.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11356.5	0.0	11356.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22713.0	0.0	22713.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.1	0.5
10°-20°	391.1	1.7
20°-30°	782.1	3.4
30°-40°	1360.8	6.0
40°-50°	2367.5	10.4
50°-60°	4122.0	18.1
60°-70°	6676.0	29.4
70°-80°	5727.3	25.2
80°-90°	1168.2	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°	22713.0	100.0
0°-180°	22713.0	100.0



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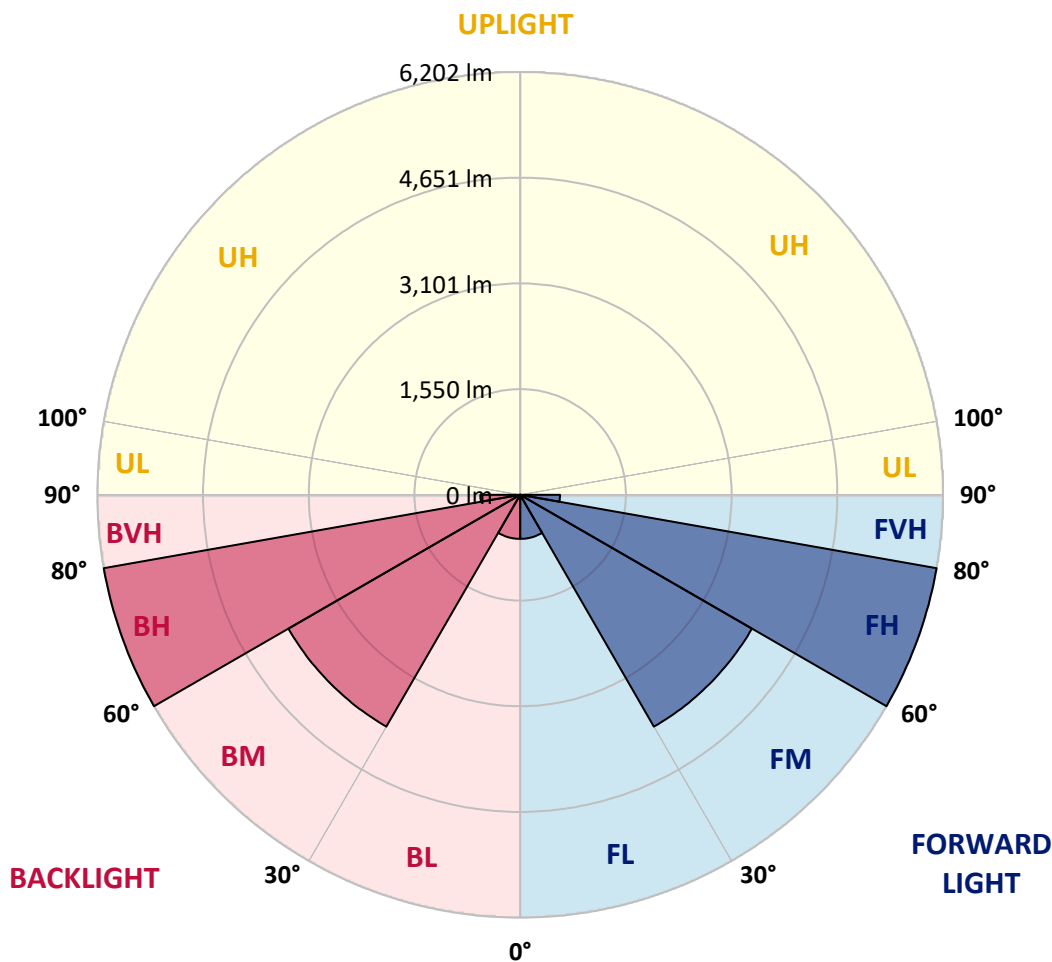
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	645.6	2.8			
FM (30°-60°)	3925.2	17.3			
FH (60°-80°)	6201.6	27.3			G3/7500
FVH (80°-90°)	584.1	2.6			G4/750
BL (0°-30°)	645.6	2.8	B2/1000		
BM (30°-60°)	3925.2	17.3	B3/5000		
BH (60°-80°)	6201.6	27.3	B5		G3/7500
BVH (80°-90°)	584.1	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°	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1
2.5°	1204.1	1211.1	1210.1	1208.1	1205.1	1205.1	1207.1	1214.0	1215.0	1215.0	1215.0
5°	1218.0	1225.0	1224.0	1222.0	1219.0	1218.0	1220.0	1227.0	1228.0	1228.0	1229.0
7.5°	1234.0	1242.0	1242.0	1241.0	1234.0	1234.0	1236.0	1244.9	1244.9	1246.9	1248.9
10°	1260.9	1269.9	1272.9	1268.9	1264.9	1262.9	1264.9	1273.8	1272.9	1270.9	1271.9
12.5°	1297.8	1306.7	1313.7	1312.7	1308.7	1306.7	1308.7	1313.7	1307.7	1299.8	1299.8
15°	1343.6	1355.6	1363.6	1363.6	1368.5	1365.5	1362.6	1363.6	1354.6	1347.6	1347.6
17.5°	1402.4	1412.4	1419.4	1425.4	1433.3	1433.3	1426.4	1424.4	1412.4	1406.4	1407.4
20°	1474.2	1482.2	1492.1	1497.1	1513.1	1514.1	1502.1	1497.1	1485.2	1477.2	1479.2
22.5°	1551.9	1565.9	1569.9	1584.8	1603.8	1604.8	1588.8	1577.9	1565.9	1559.9	1560.9
25°	1645.6	1659.6	1656.6	1669.6	1698.5	1701.5	1683.5	1667.6	1657.6	1651.6	1653.6
27.5°	1748.3	1762.3	1761.3	1761.3	1795.1	1808.1	1783.2	1766.2	1768.2	1757.3	1761.3
30°	1857.9	1869.9	1876.9	1864.9	1897.8	1918.7	1878.9	1880.9	1879.9	1872.9	1871.9
32.5°	1986.5	1997.5	1996.5	1988.5	1998.5	2028.4	1996.5	2006.5	2009.5	2010.4	2018.4
35°	2133.0	2146.0	2132.1	2121.1	2122.1	2151.0	2127.1	2143.0	2159.0	2164.9	2164.9
37.5°	2289.5	2296.5	2281.6	2264.6	2260.6	2276.6	2272.6	2298.5	2325.4	2340.4	2348.3
40°	2491.9	2497.9	2469.0	2436.1	2430.1	2448.0	2453.0	2509.8	2550.7	2578.6	2583.6
42.5°	2773.0	2772.0	2731.1	2670.3	2641.4	2669.3	2705.2	2771.0	2839.7	2845.7	2866.7
45°	3134.8	3120.8	3068.0	2977.3	2904.5	2894.6	2937.4	3035.1	3111.9	3144.8	3157.7
47.5°	3547.4	3531.5	3435.8	3295.3	3170.7	3131.8	3167.7	3290.3	3404.9	3452.7	3478.7
50°	4007.9	3989.0	3892.3	3701.9	3494.6	3423.8	3445.8	3598.3	3731.8	3792.6	3838.5
52.5°	4503.3	4500.3	4376.7	4157.5	3880.4	3765.7	3758.8	3942.2	4121.6	4202.3	4227.2
55°	5034.6	5019.6	4909.0	4670.8	4349.8	4135.5	4136.5	4339.9	4559.1	4664.8	4676.8
57.5°	5555.9	5549.9	5427.3	5224.0	4896.0	4614.0	4586.1	4856.2	5077.5	5164.2	5168.2
60°	6048.3	6067.2	6003.4	5817.0	5552.9	5233.9	5193.1	5421.3	5609.7	5684.5	5711.4
62.5°	6596.5	6602.5	6594.5	6457.0	6255.6	6040.3	5939.6	6056.3	6242.7	6304.5	6291.5
65°	6988.2	7027.1	7117.8	7188.6	7145.7	6981.2	6848.7	6854.7	6891.5	6851.7	6848.7
67.5°	6488.9	6573.6	6882.6	7379.9	7966.0	8222.2	7684.0	7082.9	6859.6	6715.1	6714.1
70°	5669.5	5726.3	6112.1	6972.3	8256.1	8632.9	8025.8	6929.4	6491.8	6320.4	6259.6
72.5°	4823.3	4868.1	5292.8	6170.9	7795.6	8390.7	7807.6	6478.9	5902.8	5525.0	5532.0
75°	4016.9	4009.9	4330.9	5232.9	6900.5	7705.9	7229.4	5766.2	4945.9	4602.0	4563.1
77.5°	2784.9	2848.7	3213.5	4135.5	5594.8	6520.7	6451.0	4746.5	3790.6	3423.8	3447.8
80°	1459.2	1499.1	1931.7	2807.8	4093.7	5001.7	4910.0	3357.1	2449.0	2043.3	1966.6
82.5°	608.0	633.9	883.1	1517.1	2501.8	3112.9	3071.0	2046.3	1365.5	950.9	948.9
85°	258.2	259.2	374.8	649.9	1262.9	1479.2	1187.1	879.1	478.4	300.0	268.1
87.5°	109.6	113.6	152.5	298.0	399.7	322.9	190.4	117.6	78.7	47.8	36.9
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)