

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: P510002

Luminaire Tested: **VERD-M-CA3-180-750-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510002  
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-CA3-180-750-U-T5  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(3) 70 CRI, 5000K, 1120mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26755 lumens  
Efficiency: N/A  
Efficacy: 146.1 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

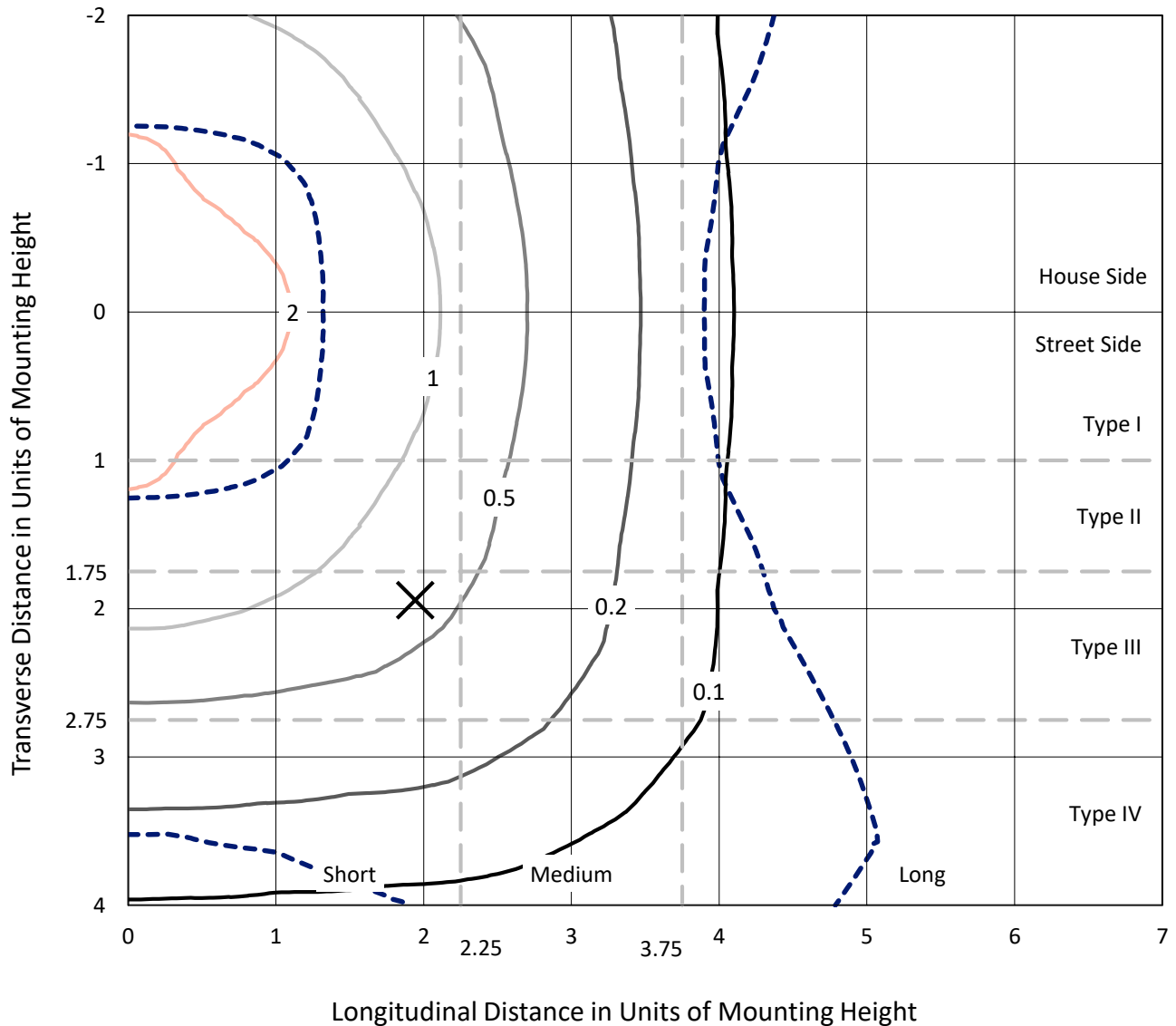
Input Watts (W): 183.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P510002  
 CATALOG NUMBER: VERD-M-CA3-180-750-U-T5

### Iso-Footcandle Lines of Horizontal Illumination

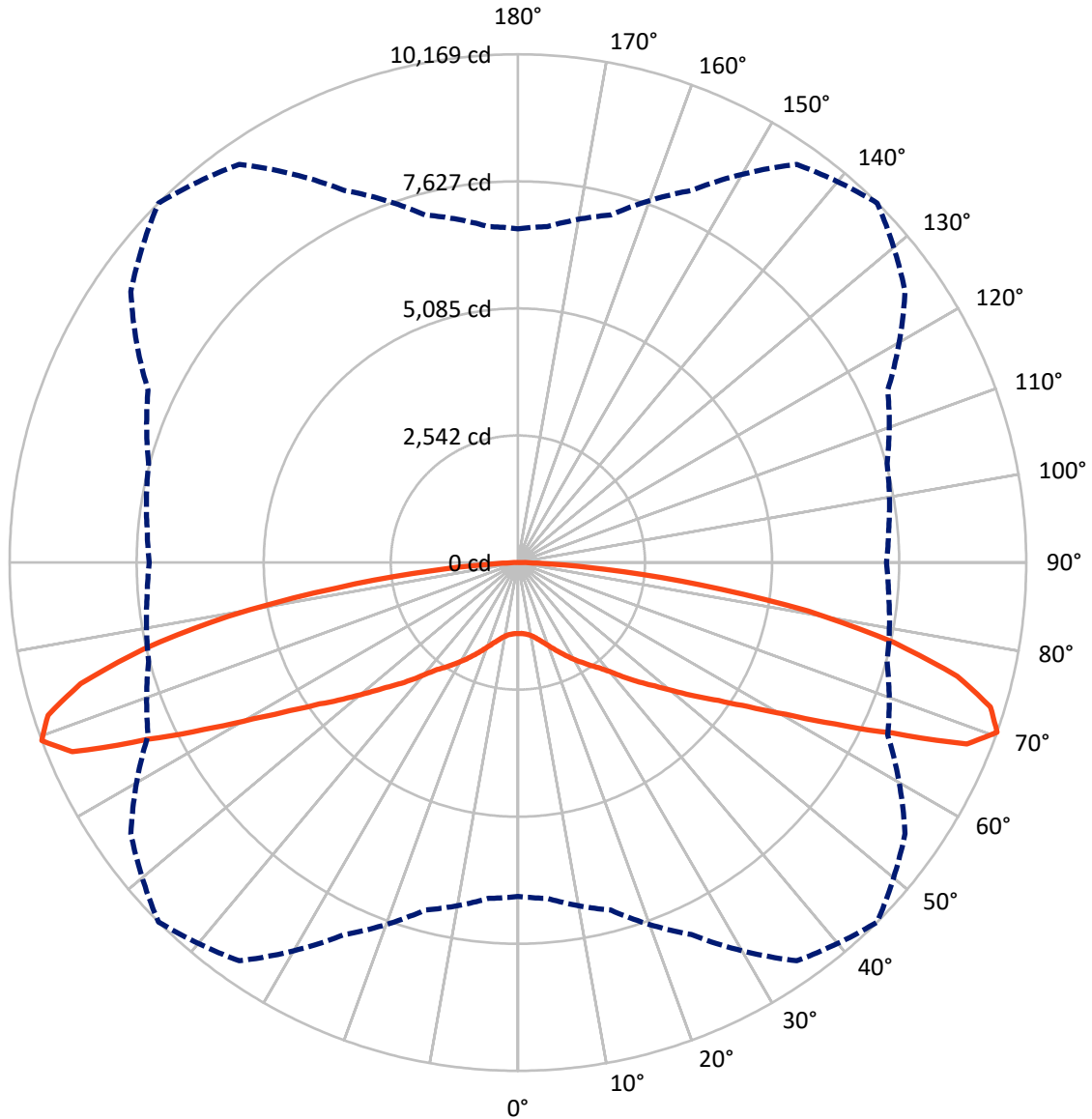
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P510002  
CATALOG NUMBER: VERD-M-CA3-180-750-U-T5

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P510002

CATALOG NUMBER: VERD-M-CA3-180-750-U-T5

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13377.5	0.0	13377.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13377.5	0.0	13377.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26755.0	0.0	26755.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.2	0.5
10°-20°	460.6	1.7
20°-30°	921.3	3.4
30°-40°	1602.9	6.0
40°-50°	2788.8	10.4
50°-60°	4855.6	18.1
60°-70°	7864.0	29.4
70°-80°	6746.5	25.2
80°-90°	1376.1	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°	26755.0	100.0
0°-180°	26755.0	100.0



REPORT NUMBER: P510002

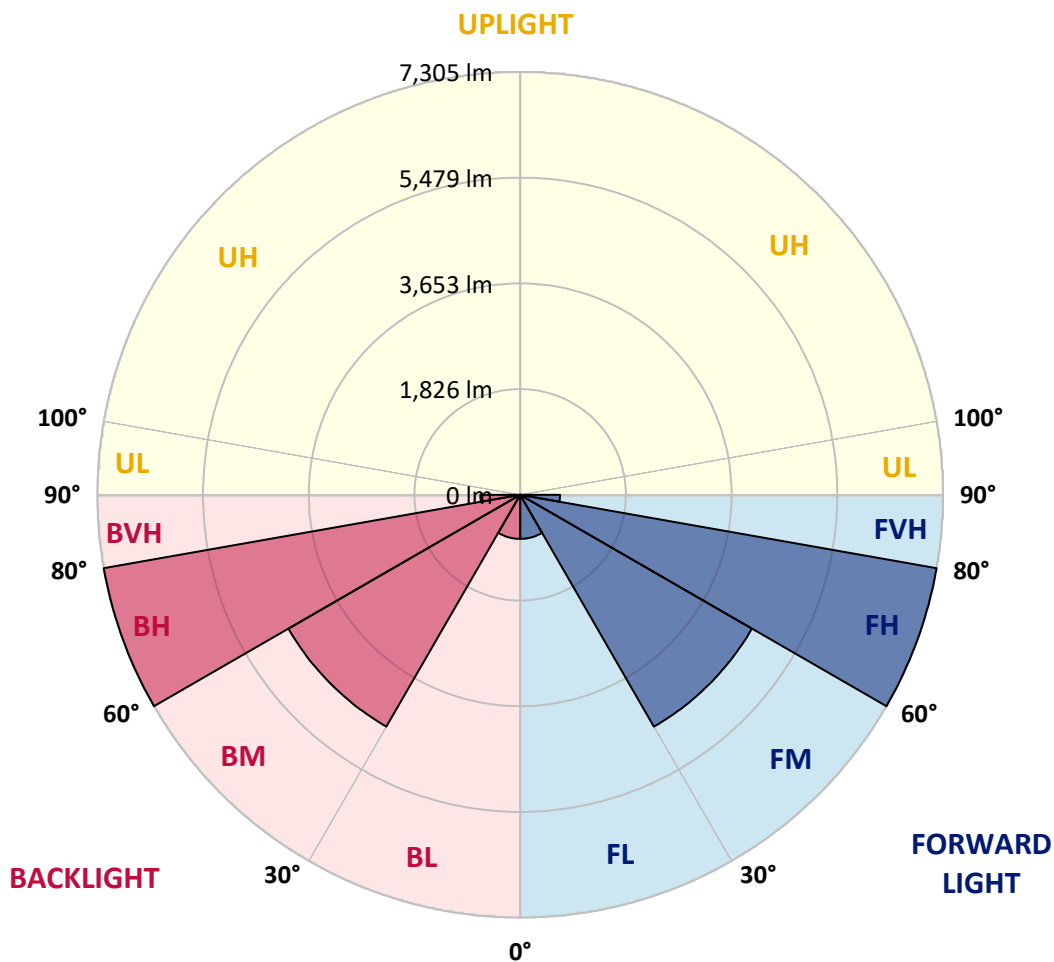
CATALOG NUMBER: VERD-M-CA3-180-750-U-T5

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	760.5	2.8			
FM	(30°-60°)	4623.7	17.3			
FH	(60°-80°)	7305.3	27.3			G3/7500
FVH	(80°-90°)	688.1	2.6			G4/750
BL	(0°-30°)	760.5	2.8	B2/1000		
BM	(30°-60°)	4623.7	17.3	B3/5000		
BH	(60°-80°)	7305.3	27.3	B5		G3/7500
BVH	(80°-90°)	688.1	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





REPORT NUMBER: P510002

CATALOG NUMBER: VERD-M-CA3-180-750-U-T5

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1423.0	1423.0	1423.0	1423.0	1423.0	1423.0	1423.0	1423.0	1423.0	1423.0	1423.0
2.5°	1418.4	1426.6	1425.4	1423.0	1419.5	1419.5	1421.9	1430.1	1431.3	1431.3	1431.3
5°	1434.8	1443.0	1441.8	1439.5	1436.0	1434.8	1437.1	1445.4	1446.5	1446.5	1447.7
7.5°	1453.6	1463.0	1463.0	1461.8	1453.6	1453.6	1455.9	1466.5	1466.5	1468.8	1471.2
10°	1485.3	1495.8	1499.4	1494.7	1490.0	1487.6	1490.0	1500.5	1499.4	1497.0	1498.2
12.5°	1528.7	1539.3	1547.5	1546.3	1541.6	1539.3	1541.6	1547.5	1540.5	1531.1	1531.1
15°	1582.7	1596.8	1606.2	1606.2	1612.1	1608.6	1605.0	1606.2	1595.6	1587.4	1587.4
17.5°	1652.0	1663.7	1672.0	1679.0	1688.4	1688.4	1680.2	1677.8	1663.7	1656.7	1657.9
20°	1736.5	1745.9	1757.7	1763.5	1782.3	1783.5	1769.4	1763.5	1749.5	1740.1	1742.4
22.5°	1828.1	1844.6	1849.3	1866.9	1889.2	1890.4	1871.6	1858.7	1844.6	1837.5	1838.7
25°	1938.5	1954.9	1951.4	1966.7	2000.7	2004.2	1983.1	1964.3	1952.6	1945.5	1947.9
27.5°	2059.4	2075.9	2074.7	2074.7	2114.6	2129.9	2100.5	2080.6	2082.9	2070.0	2074.7
30°	2188.6	2202.7	2210.9	2196.8	2235.5	2260.2	2213.2	2215.6	2214.4	2206.2	2205.0
32.5°	2340.0	2353.0	2351.8	2342.4	2354.1	2389.4	2351.8	2363.5	2367.1	2368.2	2377.6
35°	2512.6	2527.9	2511.5	2498.6	2499.7	2533.8	2505.6	2524.4	2543.2	2550.2	2550.2
37.5°	2697.0	2705.2	2687.6	2667.6	2662.9	2681.7	2677.0	2707.6	2739.3	2756.9	2766.3
40°	2935.3	2942.4	2908.3	2869.6	2862.5	2883.7	2889.5	2956.5	3004.6	3037.5	3043.4
42.5°	3266.4	3265.3	3217.1	3145.5	3111.5	3144.3	3186.6	3264.1	3345.1	3352.2	3376.8
45°	3692.6	3676.2	3614.0	3507.1	3421.4	3409.7	3460.2	3575.2	3665.6	3704.4	3719.7
47.5°	4178.7	4160.0	4047.2	3881.7	3734.9	3689.1	3731.4	3875.8	4010.8	4067.2	4097.7
50°	4721.2	4698.9	4585.0	4360.7	4116.5	4033.1	4059.0	4238.6	4396.0	4467.6	4521.6
52.5°	5304.7	5301.2	5155.6	4897.3	4570.9	4435.9	4427.7	4643.7	4855.0	4950.1	4979.5
55°	5930.5	5912.9	5782.6	5502.0	5123.9	4871.5	4872.7	5112.2	5370.5	5494.9	5509.0
57.5°	6544.6	6537.6	6393.2	6153.6	5767.3	5435.1	5402.2	5720.4	5981.0	6083.2	6087.9
60°	7124.6	7146.9	7071.8	6852.2	6541.1	6165.4	6117.2	6386.1	6608.0	6696.1	6727.8
62.5°	7770.4	7777.5	7768.1	7606.0	7368.9	7115.2	6996.7	7134.0	7353.6	7426.4	7411.1
65°	8231.8	8277.6	8384.5	8467.8	8417.4	8223.6	8067.5	8074.5	8118.0	8071.0	8067.5
67.5°	7643.6	7743.4	8107.4	8693.3	9383.7	9685.4	9051.4	8343.4	8080.4	7910.1	7909.0
70°	6678.5	6745.4	7199.8	8213.1	9725.3	10169.2	9454.1	8162.6	7647.1	7445.2	7373.6
72.5°	5681.6	5734.5	6234.6	7269.1	9182.9	9883.9	9197.0	7631.9	6953.2	6508.2	6516.4
75°	4731.8	4723.5	5101.6	6164.2	8128.5	9077.2	8516.0	6792.4	5826.0	5421.0	5375.2
77.5°	3280.5	3355.7	3785.4	4871.5	6590.4	7681.2	7599.0	5591.2	4465.2	4033.1	4061.3
80°	1718.9	1765.9	2275.5	3307.5	4822.2	5891.8	5783.8	3954.5	2884.8	2407.0	2316.6
82.5°	716.2	746.7	1040.3	1787.0	2947.1	3666.8	3617.5	2410.5	1608.6	1120.1	1117.8
85°	304.1	305.3	441.5	765.5	1487.6	1742.4	1398.4	1035.6	563.6	353.4	315.8
87.5°	129.2	133.9	179.6	351.1	470.8	380.4	224.3	138.5	92.8	56.4	43.4
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)