

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: P510010

Luminaire Tested: **VERD-M-CA3-180-760-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510010  
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-CA3-180-760-U-T5  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(3) 70 CRI, 5700K, 1120mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26188 lumens  
Efficiency: N/A  
Efficacy: 143.0 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

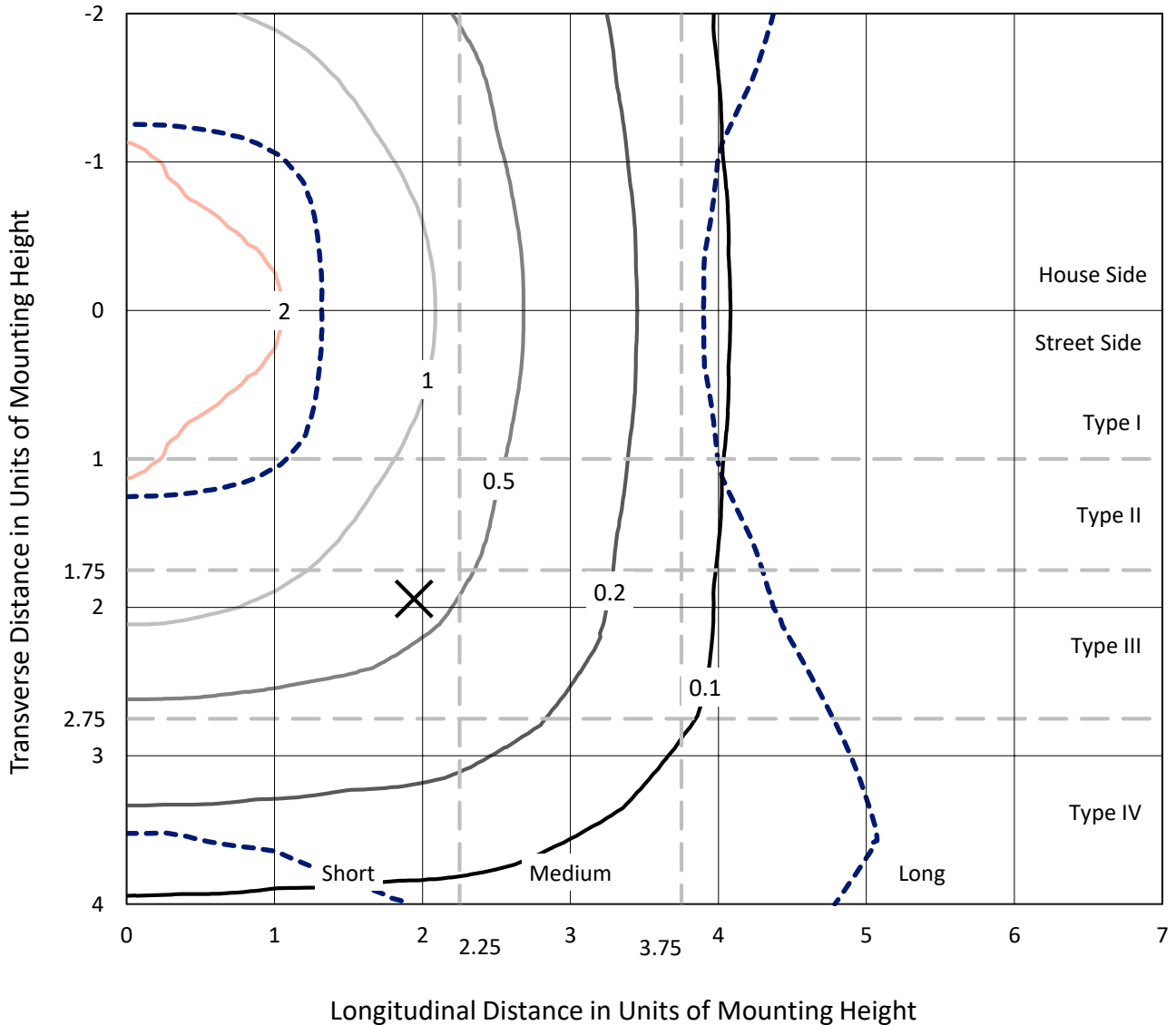
Input Watts (W): 183.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

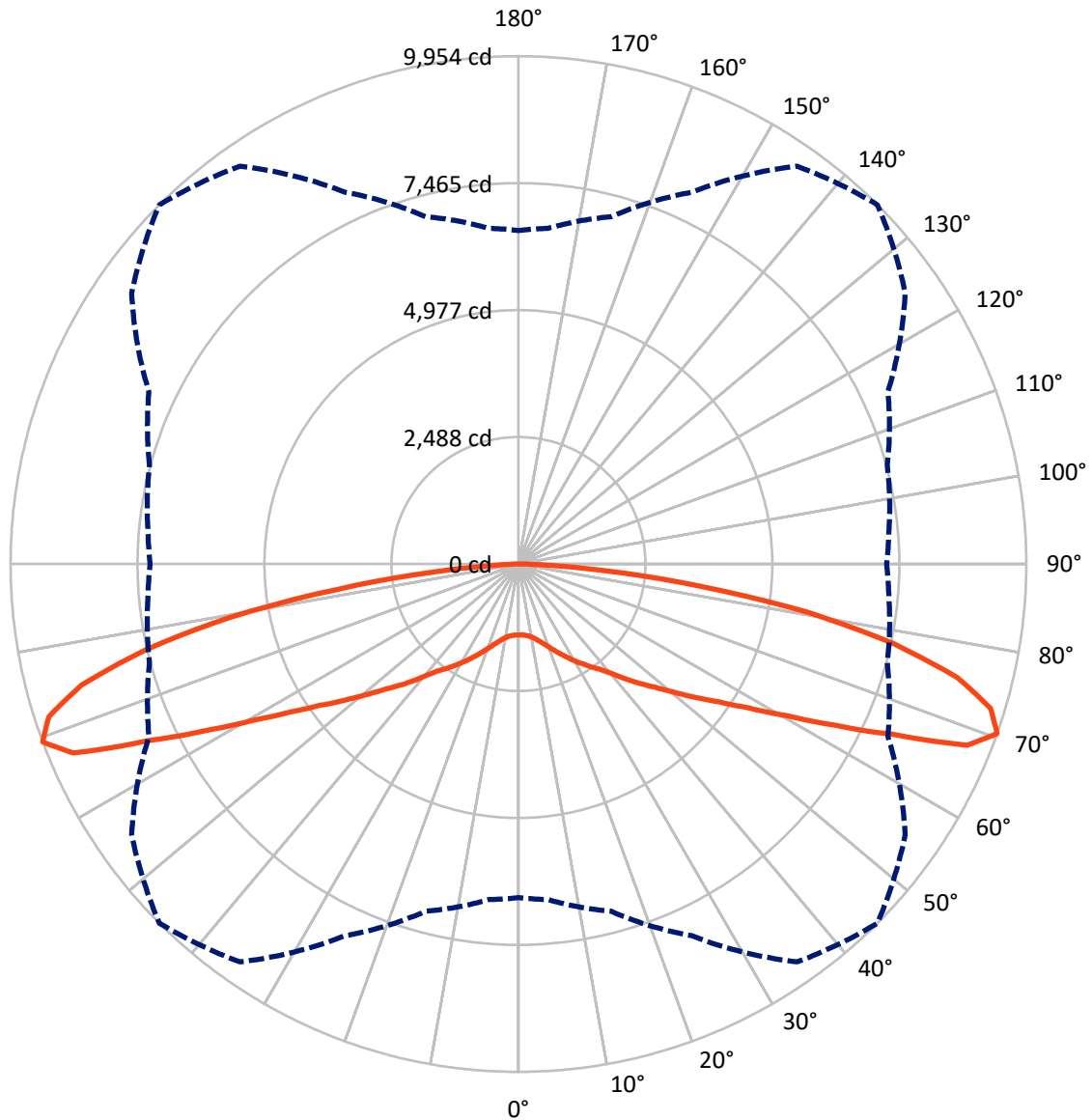
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	13094.0	0.0	13094.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13094.0	0.0	13094.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26188.0	0.0	26188.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.2	0.5
10°-20°	450.9	1.7
20°-30°	901.7	3.4
30°-40°	1569.0	6.0
40°-50°	2729.7	10.4
50°-60°	4752.7	18.1
60°-70°	7697.4	29.4
70°-80°	6603.5	25.2
80°-90°	1346.9	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°	26188.0	100.0
0°-180°	26188.0	100.0



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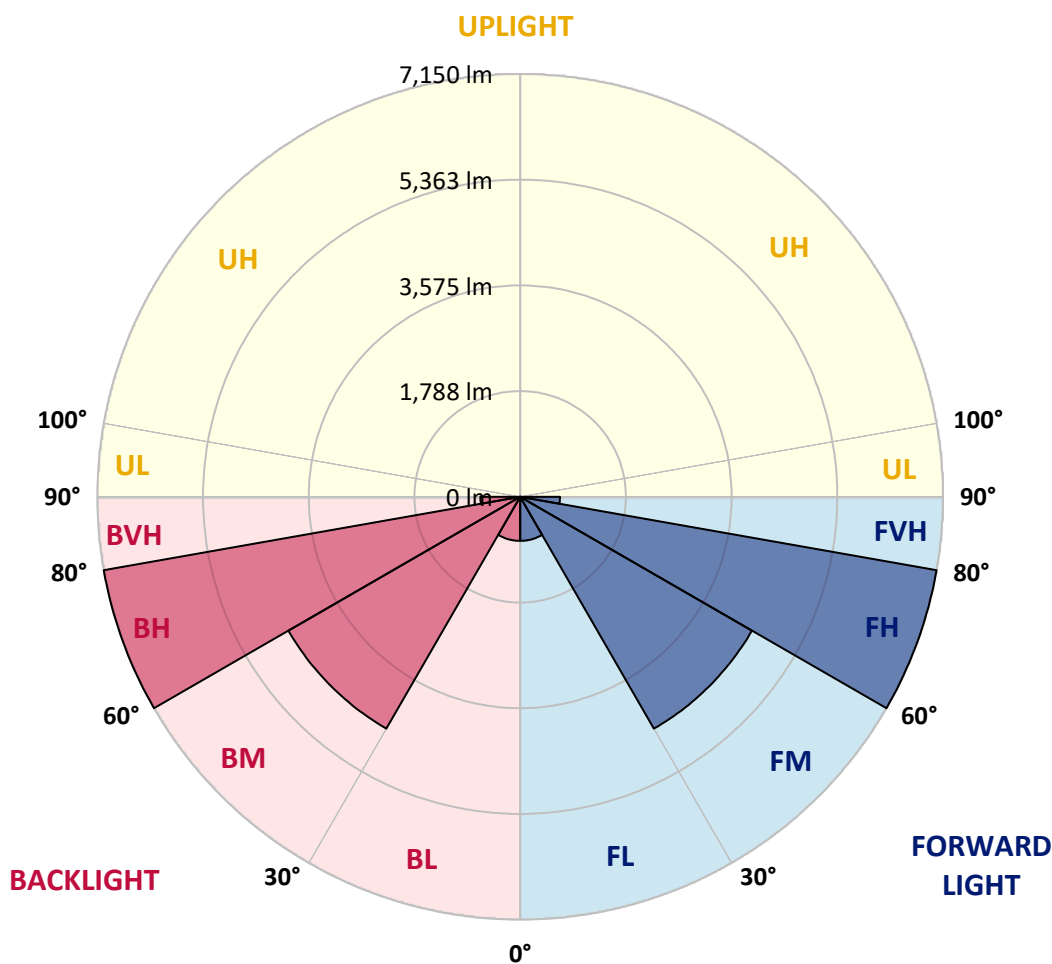
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	744.4	2.8			
FM	(30°-60°)	4525.7	17.3			
FH	(60°-80°)	7150.4	27.3			G3/7500
FVH	(80°-90°)	673.5	2.6			G4/750
BL	(0°-30°)	744.4	2.8	B2/1000		
BM	(30°-60°)	4525.7	17.3	B3/5000		
BH	(60°-80°)	7150.4	27.3	B5		G3/7500
BVH	(80°-90°)	673.5	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°	1392.9	1392.9	1392.9	1392.9	1392.9	1392.9	1392.9	1392.9	1392.9	1392.9	1392.9
2.5°	1388.3	1396.3	1395.2	1392.9	1389.4	1389.4	1391.7	1399.8	1400.9	1400.9	1400.9
5°	1404.4	1412.4	1411.3	1409.0	1405.5	1404.4	1406.7	1414.7	1415.9	1415.9	1417.0
7.5°	1422.8	1432.0	1432.0	1430.8	1422.8	1422.8	1425.1	1435.4	1435.4	1437.7	1440.0
10°	1453.8	1464.1	1467.6	1463.0	1458.4	1456.1	1458.4	1468.7	1467.6	1465.3	1466.4
12.5°	1496.3	1506.7	1514.7	1513.6	1509.0	1506.7	1509.0	1514.7	1507.8	1498.6	1498.6
15°	1549.2	1563.0	1572.2	1572.2	1577.9	1574.5	1571.0	1572.2	1561.8	1553.8	1553.8
17.5°	1617.0	1628.5	1636.5	1643.4	1652.6	1652.6	1644.6	1642.3	1628.5	1621.6	1622.7
20°	1699.7	1708.9	1720.4	1726.2	1744.6	1745.7	1731.9	1726.2	1712.4	1703.2	1705.5
22.5°	1789.4	1805.5	1810.1	1827.3	1849.1	1850.3	1831.9	1819.3	1805.5	1798.6	1799.7
25°	1897.4	1913.5	1910.1	1925.0	1958.3	1961.8	1941.1	1922.7	1911.2	1904.3	1906.6
27.5°	2015.8	2031.9	2030.7	2030.7	2069.8	2084.7	2056.0	2036.5	2038.8	2026.1	2030.7
30°	2142.2	2156.0	2164.0	2150.2	2188.2	2212.3	2166.3	2168.6	2167.5	2159.4	2158.3
32.5°	2290.5	2303.1	2301.9	2292.8	2304.2	2338.7	2301.9	2313.4	2316.9	2318.0	2327.2
35°	2459.4	2474.3	2458.2	2445.6	2446.8	2480.1	2452.5	2470.9	2489.3	2496.2	2496.2
37.5°	2639.8	2647.9	2630.6	2611.1	2606.5	2624.9	2620.3	2650.2	2681.2	2698.4	2707.6
40°	2873.1	2880.0	2846.7	2808.8	2801.9	2822.6	2828.3	2893.8	2940.9	2973.1	2978.9
42.5°	3197.2	3196.1	3148.9	3078.8	3045.5	3077.7	3119.1	3194.9	3274.2	3281.1	3305.2
45°	3614.4	3598.3	3537.4	3432.8	3348.9	3337.4	3386.8	3499.5	3588.0	3625.9	3640.8
47.5°	4090.2	4071.8	3961.5	3799.4	3655.8	3610.9	3652.3	3793.7	3925.8	3981.0	4010.9
50°	4621.1	4599.3	4487.8	4268.3	4029.3	3947.7	3973.0	4148.8	4302.8	4372.9	4425.8
52.5°	5192.3	5188.9	5046.4	4793.5	4474.0	4341.9	4333.8	4545.3	4752.2	4845.2	4874.0
55°	5804.9	5787.6	5660.1	5385.4	5015.3	4768.2	4769.4	5003.8	5256.7	5378.5	5392.3
57.5°	6405.9	6399.0	6257.7	6023.2	5645.1	5319.9	5287.7	5599.1	5854.3	5954.3	5958.9
60°	6973.7	6995.5	6921.9	6707.0	6402.5	6034.7	5987.6	6250.8	6468.0	6554.2	6585.2
62.5°	7605.7	7612.6	7603.4	7444.8	7212.7	6964.5	6848.4	6982.8	7197.8	7269.0	7254.1
65°	8057.4	8102.2	8206.8	8288.4	8239.0	8049.4	7896.5	7903.4	7945.9	7899.9	7896.5
67.5°	7481.6	7579.3	7935.6	8509.1	9184.8	9480.2	8859.6	8166.6	7909.1	7742.5	7741.4
70°	6536.9	6602.4	7047.2	8039.0	9519.2	9953.7	9253.8	7989.6	7485.1	7287.4	7217.3
72.5°	5561.2	5612.9	6102.5	7115.0	8988.3	9674.4	9002.1	7470.1	6805.9	6370.3	6378.3
75°	4631.5	4623.4	4993.5	6033.6	7956.3	8884.9	8335.5	6648.4	5702.6	5306.1	5261.3
77.5°	3211.0	3284.6	3705.2	4768.2	6450.7	7518.4	7438.0	5472.7	4370.6	3947.7	3975.3
80°	1682.5	1728.5	2227.2	3237.4	4720.0	5766.9	5661.2	3870.7	2823.7	2356.0	2267.5
82.5°	701.0	730.9	1018.2	1749.2	2884.6	3589.1	3540.8	2359.4	1574.5	1096.4	1094.1
85°	297.7	298.8	432.1	749.3	1456.1	1705.5	1368.8	1013.6	551.6	345.9	309.1
87.5°	126.4	131.0	175.8	343.6	460.8	372.4	219.5	135.6	90.8	55.2	42.5
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)