

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: P509915

Luminaire Tested: **VERD-M-CA3-170-722-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509915  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-181-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/6/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-M-CA3-170-722-U-T1  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(3) 70 CRI, 2200K, 1060mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21128 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

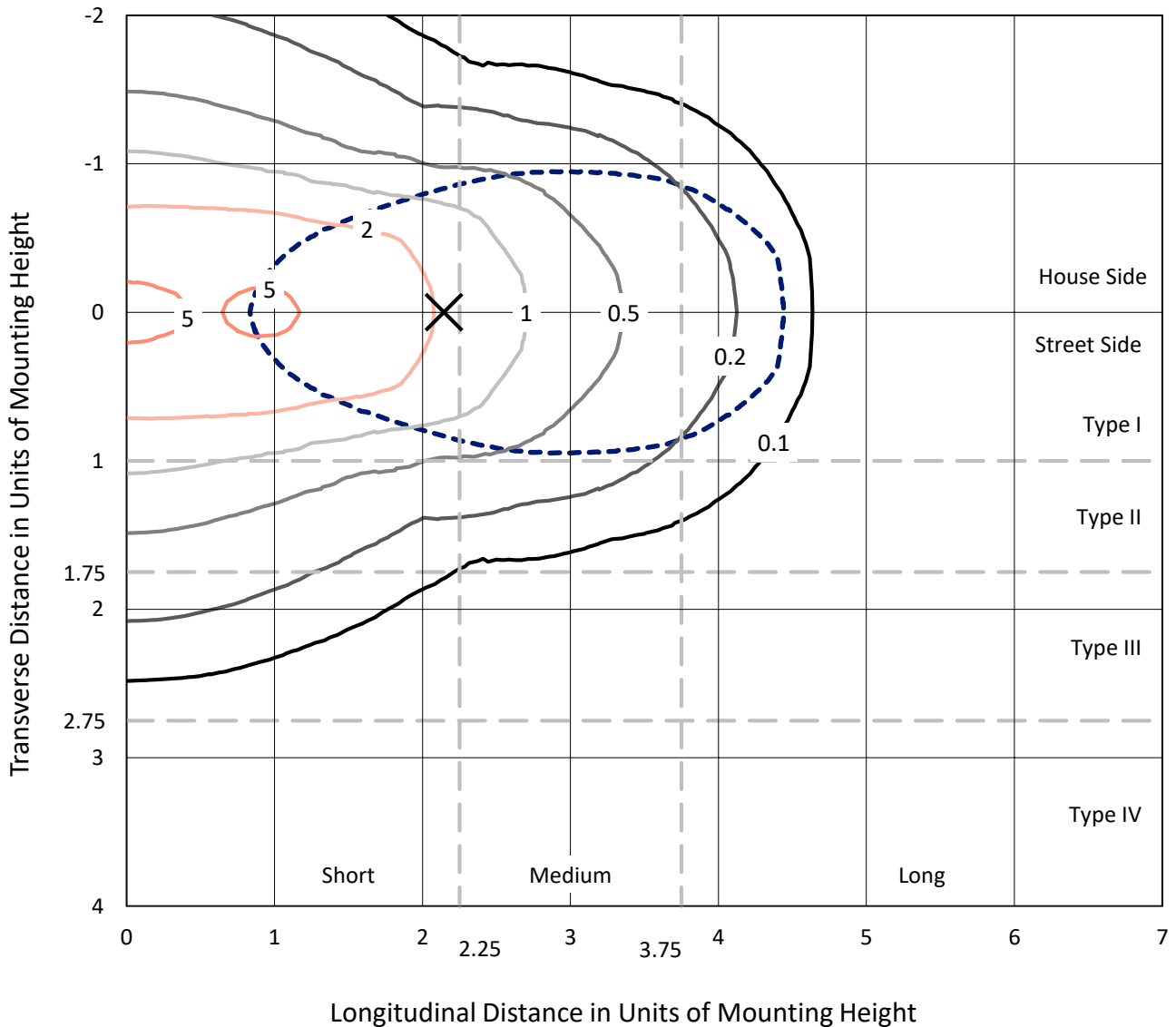
Input Watts (W): 172.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P509915  
 CATALOG NUMBER: VERD-M-CA3-170-722-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

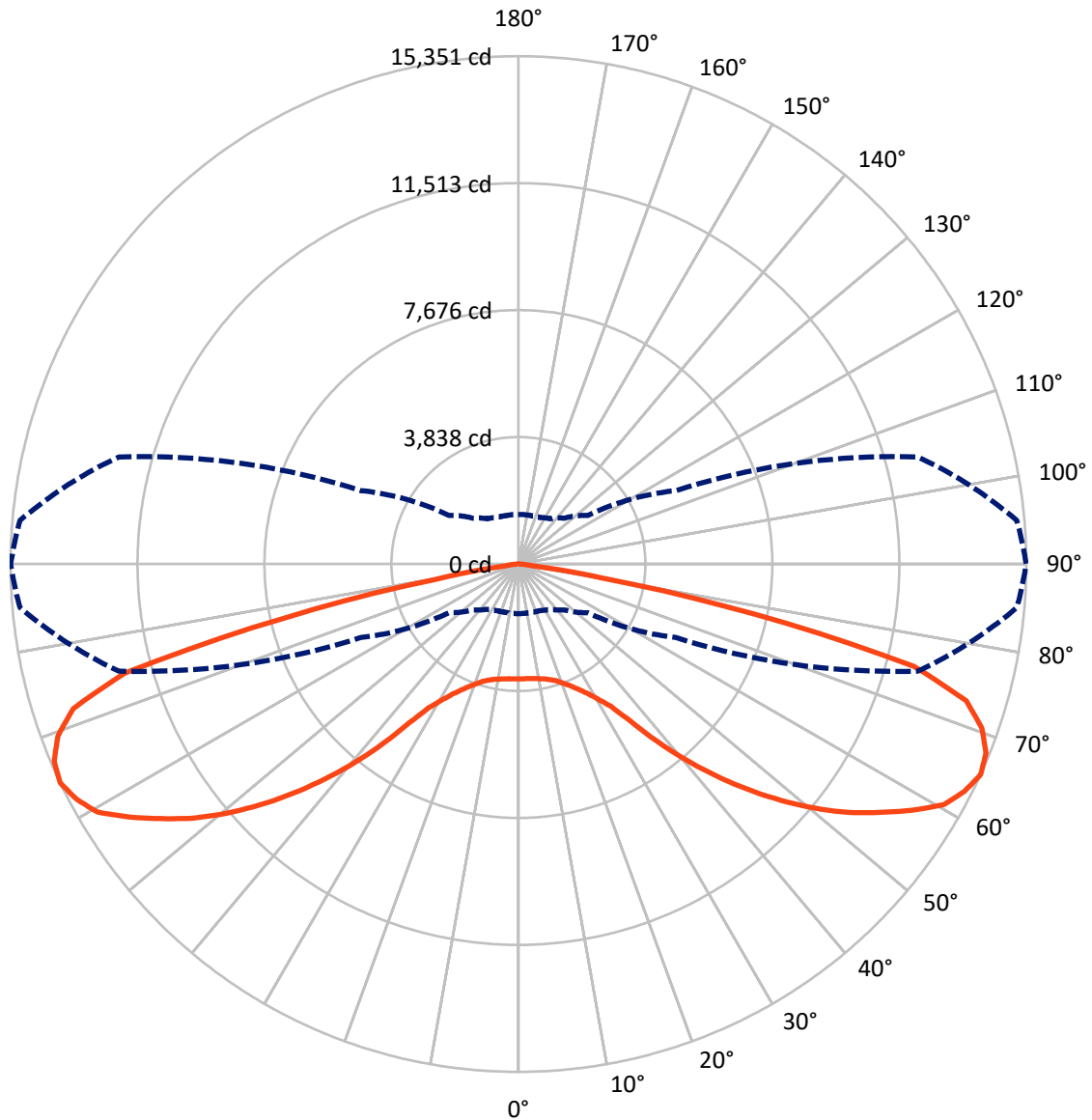
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type I - Short - N/A

REPORT NUMBER: P509915  
CATALOG NUMBER: VERD-M-CA3-170-722-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P509915

CATALOG NUMBER: VERD-M-CA3-170-722-U-T1

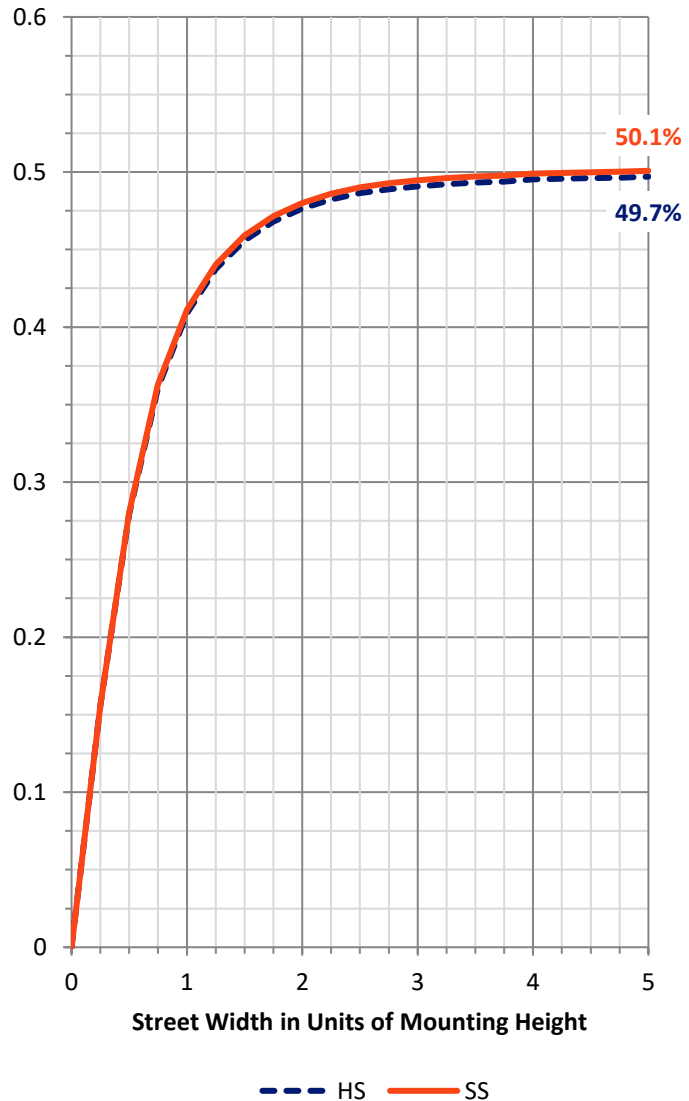
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10564.0	0.0	10564.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10564.0	0.0	10564.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21128.0	0.0	21128.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.8	1.6
10°-20°	982.3	4.6
20°-30°	1621.7	7.7
30°-40°	2376.3	11.2
40°-50°	3466.2	16.4
50°-60°	4487.6	21.2
60°-70°	4728.0	22.4
70°-80°	2885.7	13.7
80°-90°	249.5	1.2
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°	21128.0	100.0
0°-180°	21128.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P509915

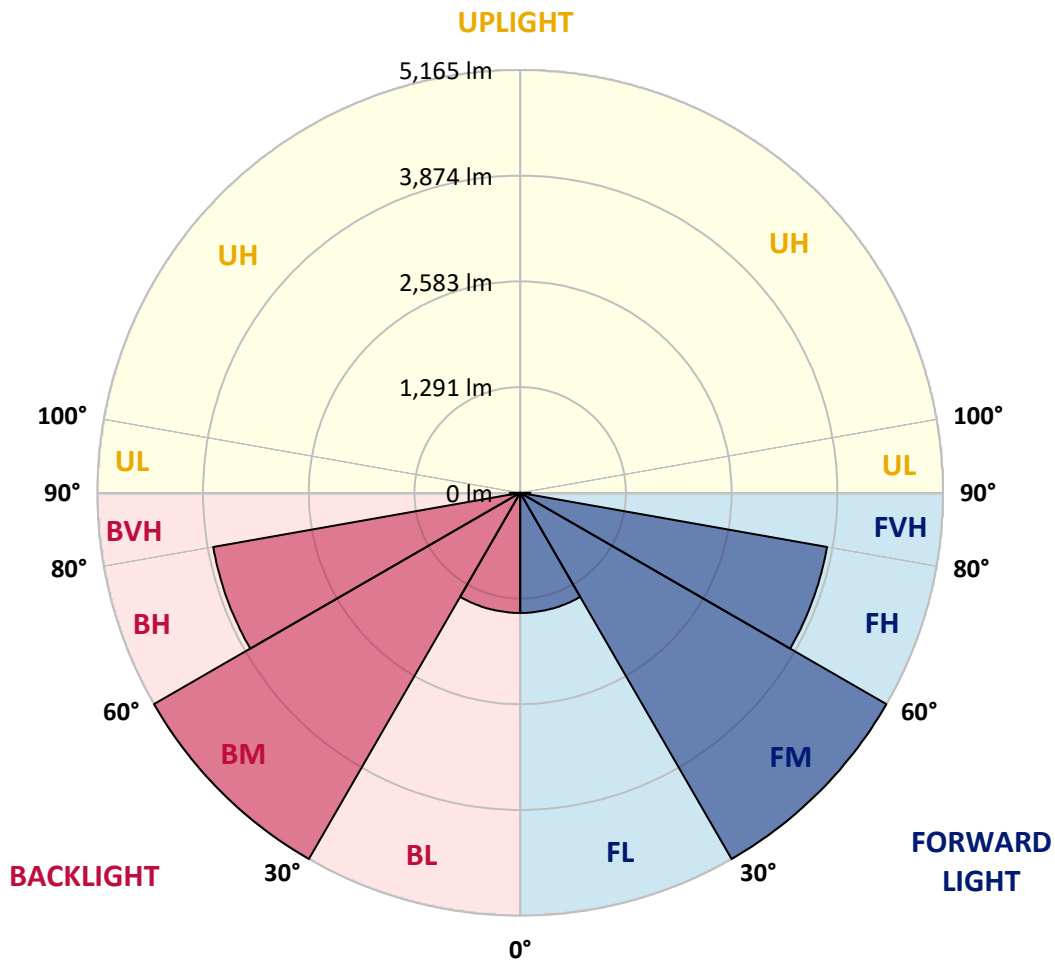
CATALOG NUMBER: VERD-M-CA3-170-722-U-T1

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1467.4	6.9			
FM	(30°-60°)	5165.0	24.4			
FH	(60°-80°)	3806.8	18.0			G2/5000
FVH	(80°-90°)	124.7	0.6			G2/225
BL	(0°-30°)	1467.4	6.9	B3/2500		
BM	(30°-60°)	5165.0	24.4	B4/8500		
BH	(60°-80°)	3806.8	18.0	B4/5000		G4/5000
BVH	(80°-90°)	124.7	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short





REPORT NUMBER: P509915

CATALOG NUMBER: VERD-M-CA3-170-722-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3476.0	3476.0	3476.0	3476.0	3476.0	3476.0	3476.0	3476.0	3476.0	3476.0	3476.0
2.5°	3447.2	3475.1	3479.6	3467.9	3468.8	3467.0	3474.2	3476.9	3480.5	3475.1	3472.4
5°	3441.8	3466.1	3470.6	3465.2	3472.4	3470.6	3474.2	3480.5	3479.6	3477.8	3477.8
7.5°	3413.0	3431.0	3445.4	3441.8	3443.6	3455.3	3467.9	3488.6	3498.5	3498.5	3496.7
10°	3375.3	3394.1	3418.4	3413.0	3424.7	3449.0	3474.2	3495.8	3521.0	3526.4	3526.4
12.5°	3334.8	3360.9	3384.2	3389.6	3416.6	3444.5	3490.4	3523.7	3552.5	3565.1	3564.2
15°	3280.8	3303.3	3331.2	3351.0	3394.1	3454.4	3514.7	3566.0	3607.4	3624.5	3627.2
17.5°	3208.8	3233.1	3262.8	3304.2	3379.7	3466.1	3559.7	3629.0	3692.0	3710.0	3710.0
20°	3114.3	3140.4	3176.4	3240.3	3342.9	3477.8	3602.9	3711.8	3793.7	3836.0	3842.3
22.5°	2967.6	2996.4	3054.9	3165.6	3300.6	3476.0	3654.2	3809.0	3932.2	3987.1	3993.4
25°	2804.8	2841.7	2924.4	3070.2	3248.4	3474.2	3705.5	3918.7	4083.4	4168.0	4186.0
27.5°	2660.8	2695.9	2797.6	2977.5	3199.8	3477.8	3756.8	4044.7	4282.3	4403.8	4419.0
30°	2519.5	2551.0	2664.4	2878.5	3154.8	3482.3	3822.5	4189.6	4508.1	4693.5	4730.4
32.5°	2403.4	2434.9	2544.7	2773.3	3099.9	3492.2	3906.1	4383.1	4822.2	5099.3	5122.7
35°	2301.8	2337.7	2434.0	2667.1	3027.0	3506.6	4011.4	4636.8	5272.1	5783.2	5810.2
37.5°	2213.6	2242.4	2327.9	2554.6	2950.5	3509.3	4133.8	4934.6	5853.4	6608.3	6792.8
40°	2155.1	2174.9	2240.6	2451.1	2849.8	3486.8	4274.2	5267.6	6501.2	7566.6	7777.2
42.5°	2102.0	2120.0	2172.2	2355.7	2744.5	3443.6	4404.7	5609.5	7150.0	8545.7	8744.5
45°	2038.1	2052.5	2105.6	2274.8	2641.9	3377.0	4512.6	5926.3	7821.3	9529.2	9716.3
47.5°	1985.9	1996.7	2041.7	2201.9	2527.6	3270.0	4558.5	6213.3	8541.2	10438.9	10671.0
50°	1949.9	1946.3	1985.9	2126.3	2410.6	3120.6	4519.8	6425.7	9299.7	11349.5	11599.7
52.5°	1887.8	1891.4	1929.2	2048.0	2313.5	2936.1	4368.7	6575.0	10062.8	12181.0	12477.0
55°	1823.9	1829.3	1859.0	1966.1	2210.9	2760.7	4088.8	6595.7	10860.9	13050.2	13251.7
57.5°	1755.6	1758.3	1783.5	1877.9	2096.6	2578.9	3736.1	6464.4	11601.5	13847.4	14038.2
60°	1695.3	1696.2	1713.3	1786.2	1969.7	2382.7	3325.8	6200.7	12198.1	14459.3	14769.8
62.5°	1614.3	1614.3	1625.1	1686.3	1840.1	2180.3	2931.6	5792.2	12523.8	14905.6	15131.5
65°	1498.2	1500.0	1510.8	1550.4	1670.1	1959.8	2561.8	5252.3	12504.0	15124.3	15351.0
67.5°	1276.0	1271.5	1336.2	1401.0	1494.6	1736.7	2199.2	4722.3	12050.5	15030.7	15243.1
70°	924.1	917.8	955.6	1047.4	1273.3	1450.5	1868.9	4279.6	10747.5	14680.7	14857.0
72.5°	758.6	762.2	764.0	752.3	852.1	1174.3	1561.2	3764.0	8867.8	13607.2	14156.1
75°	600.2	591.2	601.1	610.1	637.1	688.4	1263.4	3134.1	7196.8	11409.8	12335.7
77.5°	378.8	373.4	372.5	377.9	413.0	436.4	773.9	2297.3	5007.5	7217.5	7278.7
80°	263.6	262.7	263.6	270.8	282.5	287.9	429.2	1258.9	2521.3	2628.4	2581.6
82.5°	187.2	180.9	175.5	189.0	182.7	177.3	258.3	576.8	680.3	463.4	376.1
85°	92.7	94.5	80.1	101.7	95.4	92.7	100.8	109.8	101.7	189.9	215.1
87.5°	26.1	25.2	27.9	32.4	31.5	36.0	32.4	35.1	41.4	72.0	71.1
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)