

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: P509955

Luminaire Tested: **VERD-M-CA3-170-760-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509955  
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-CA3-170-760-U-T1  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(3) 70 CRI, 5700K, 1060mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25839 lumens  
Efficiency: N/A  
Efficacy: 149.5 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

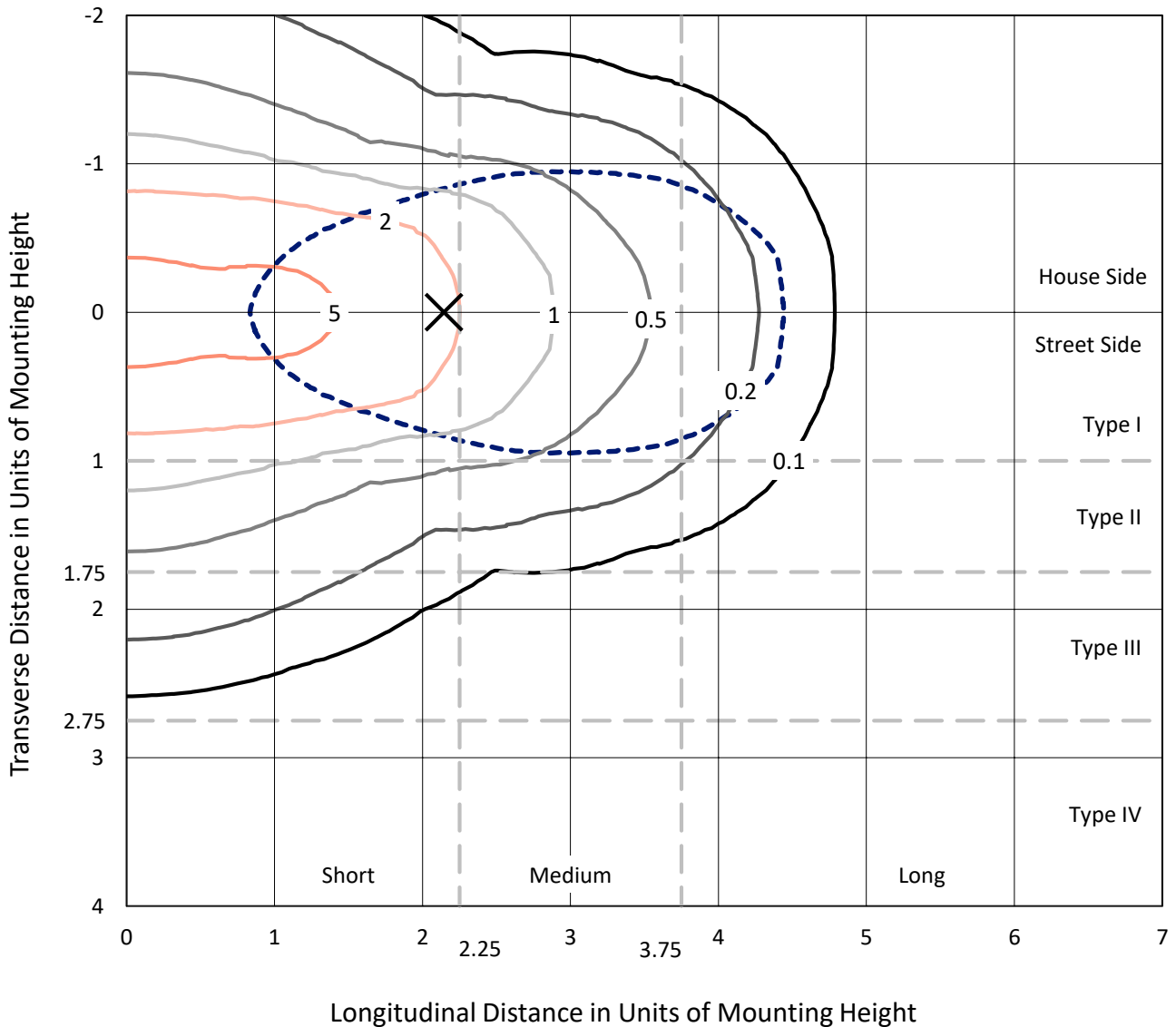
Input Watts (W): 172.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P509955  
 CATALOG NUMBER: VERD-M-CA3-170-760-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

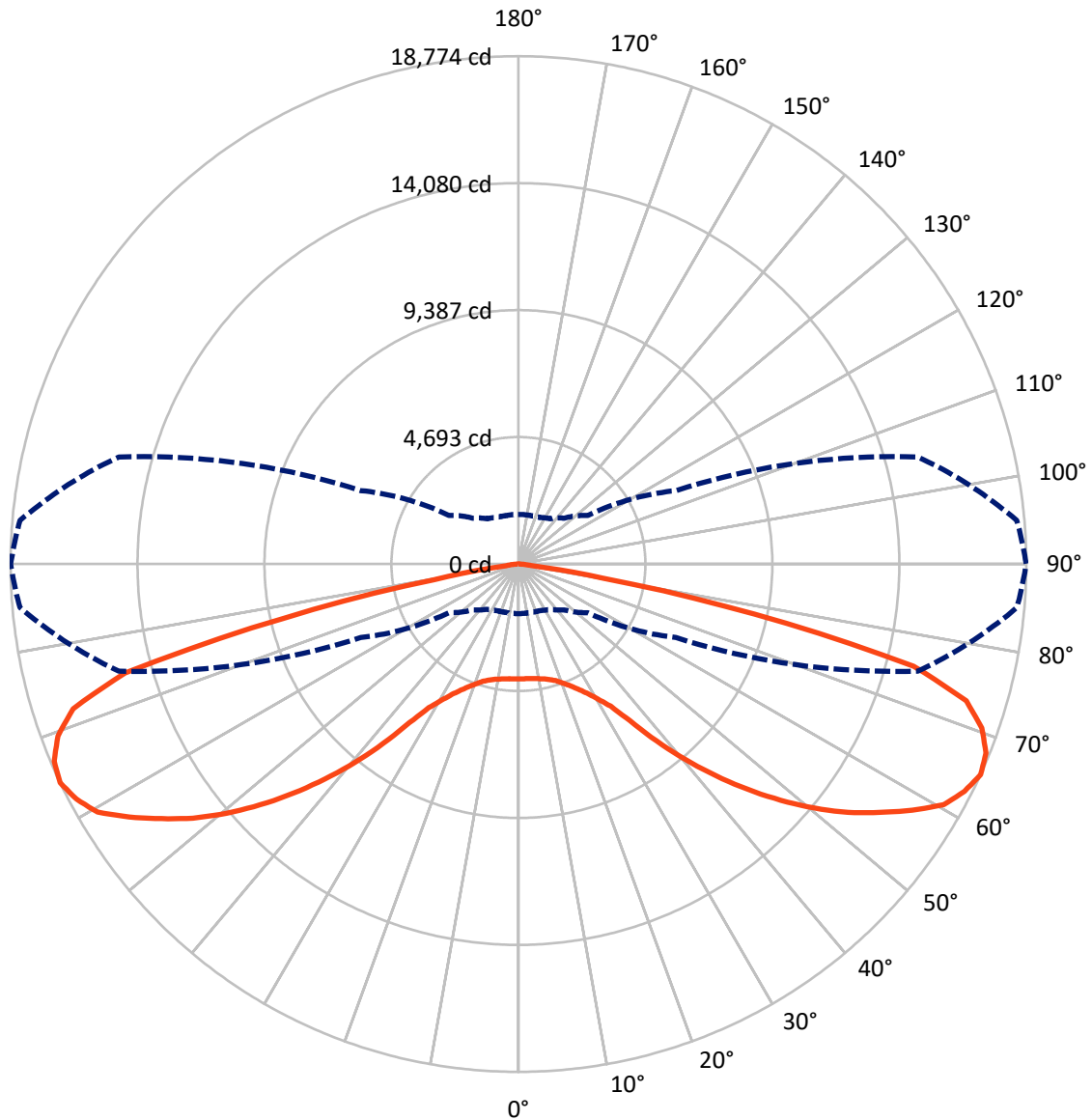
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type I - Short - N/A

REPORT NUMBER: P509955  
CATALOG NUMBER: VERD-M-CA3-170-760-U-T1

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P509955  
 CATALOG NUMBER: VERD-M-CA3-170-760-U-T1

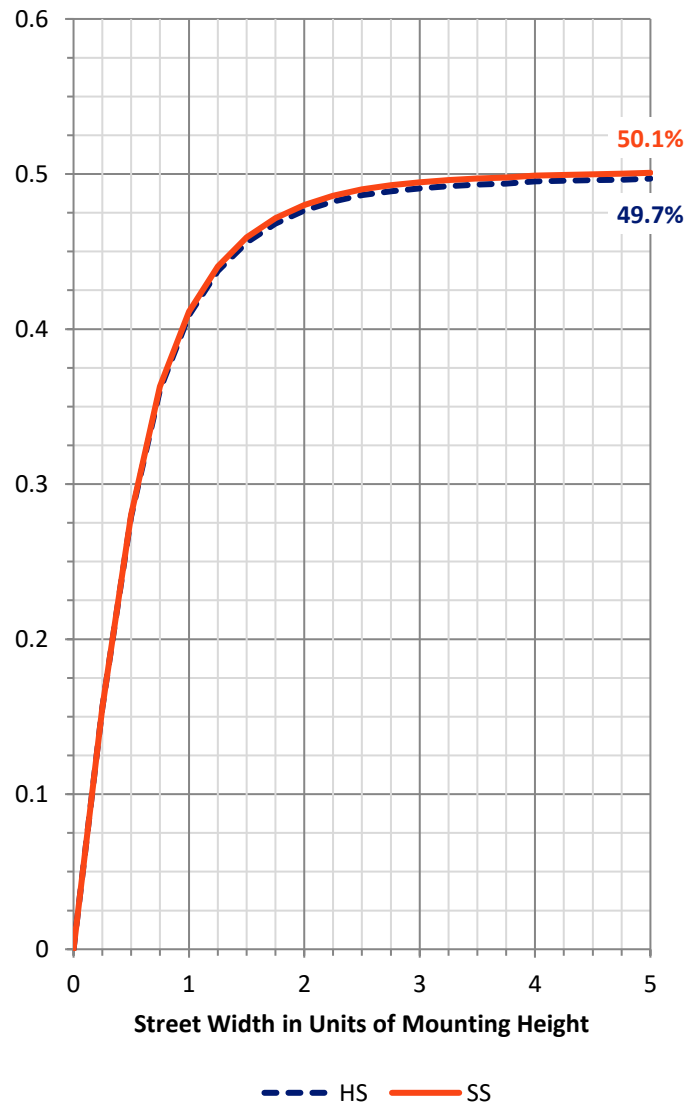
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12919.5	0.0	12919.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12919.5	0.0	12919.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25839.0	0.0	25839.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	404.6	1.6
10°-20°	1201.3	4.6
20°-30°	1983.3	7.7
30°-40°	2906.1	11.2
40°-50°	4239.1	16.4
50°-60°	5488.2	21.2
60°-70°	5782.2	22.4
70°-80°	3529.1	13.7
80°-90°	305.1	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°	25839.0	100.0
0°-180°	25839.0	100.0



REPORT NUMBER: P509955

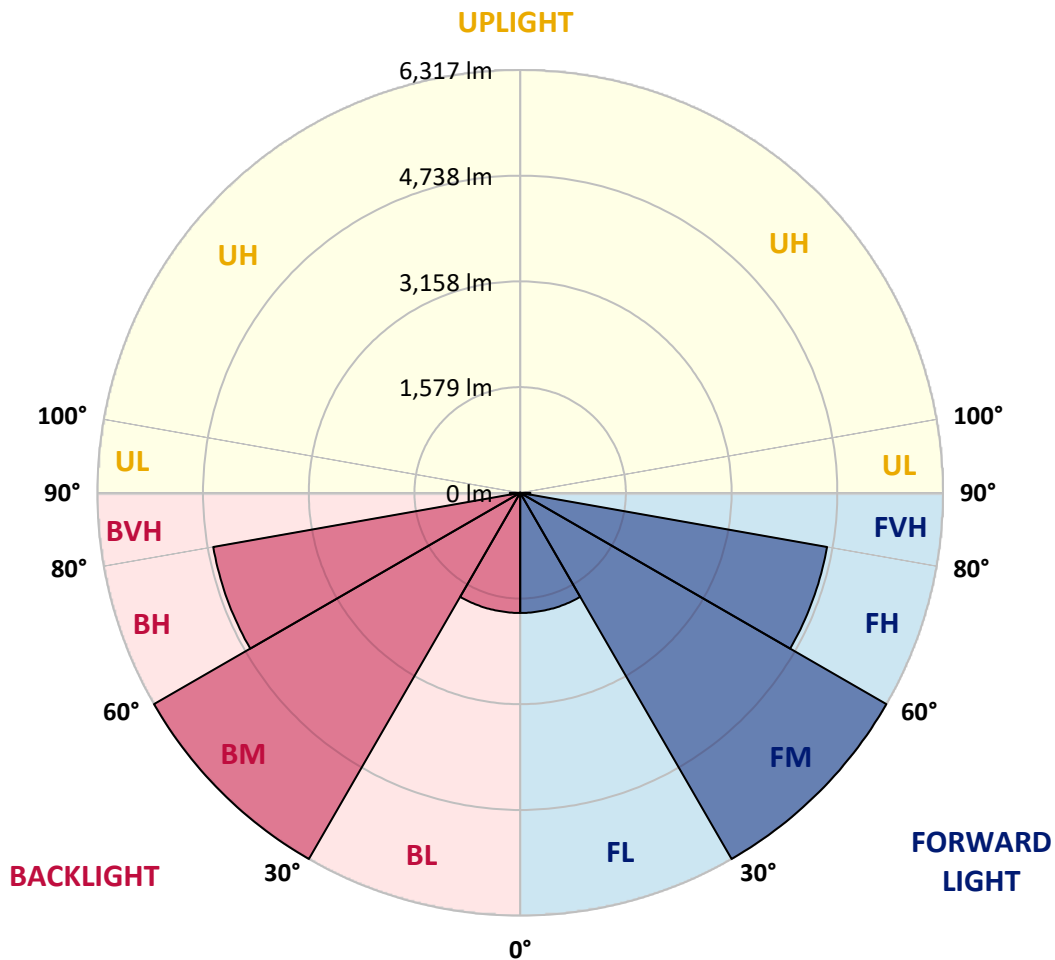
CATALOG NUMBER: VERD-M-CA3-170-760-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1794.6	6.9			
FM (30°-60°)	6316.7	24.4			
FH (60°-80°)	4655.6	18.0			G2/5000
FVH (80°-90°)	152.5	0.6			G2/225
BL (0°-30°)	1794.6	6.9	B3/2500		
BM (30°-60°)	6316.7	24.4	B4/8500		
BH (60°-80°)	4655.6	18.0	B4/5000		G4/5000
BVH (80°-90°)	152.5	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: P509955

CATALOG NUMBER: VERD-M-CA3-170-760-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1
2.5°	4215.9	4250.0	4255.5	4241.2	4242.3	4240.1	4248.9	4252.2	4256.6	4250.0	4246.7
5°	4209.3	4239.0	4244.5	4237.9	4246.7	4244.5	4248.9	4256.6	4255.5	4253.3	4253.3
7.5°	4174.1	4196.1	4213.7	4209.3	4211.5	4225.8	4241.2	4266.5	4278.6	4278.6	4276.4
10°	4127.8	4151.0	4180.7	4174.1	4188.4	4218.1	4248.9	4275.3	4306.1	4312.7	4312.7
12.5°	4078.3	4110.2	4138.8	4145.5	4178.5	4212.6	4268.7	4309.4	4344.6	4360.0	4358.9
15°	4012.3	4039.8	4073.9	4098.1	4151.0	4224.7	4298.4	4361.1	4411.8	4432.7	4436.0
17.5°	3924.3	3954.0	3990.3	4040.9	4133.3	4239.0	4353.4	4438.2	4515.2	4537.2	4537.2
20°	3808.7	3840.6	3884.6	3962.8	4088.2	4253.3	4406.3	4539.4	4639.6	4691.3	4699.0
22.5°	3629.3	3664.5	3736.1	3871.4	4036.5	4251.1	4469.0	4658.3	4809.0	4876.2	4883.9
25°	3430.1	3475.3	3576.5	3754.8	3972.7	4248.9	4531.7	4792.5	4993.9	5097.4	5119.4
27.5°	3254.1	3297.0	3421.3	3641.4	3913.3	4253.3	4594.4	4946.6	5237.1	5385.7	5404.4
30°	3081.3	3119.8	3258.5	3520.4	3858.2	4258.8	4674.8	5123.8	5513.3	5740.0	5785.1
32.5°	2939.3	2977.9	3112.1	3391.6	3791.1	4270.9	4777.1	5360.4	5897.4	6236.3	6264.9
35°	2815.0	2859.0	2976.8	3261.8	3702.0	4288.5	4905.9	5670.7	6447.6	7072.7	7105.7
37.5°	2707.1	2742.4	2846.9	3124.2	3608.4	4291.8	5055.5	6034.9	7158.5	8081.8	8307.4
40°	2635.6	2659.8	2740.2	2997.7	3485.2	4264.3	5227.2	6442.1	7950.9	9253.8	9511.3
42.5°	2570.7	2592.7	2656.5	2881.0	3356.4	4211.5	5386.8	6860.3	8744.3	10451.1	10694.3
45°	2492.6	2510.2	2575.1	2782.0	3231.0	4130.0	5518.8	7247.7	9565.2	11653.9	11882.8
47.5°	2428.7	2441.9	2497.0	2692.8	3091.2	3999.1	5575.0	7598.7	10445.6	12766.5	13050.4
50°	2384.7	2380.3	2428.7	2600.4	2948.1	3816.4	5527.6	7858.4	11373.3	13880.2	14186.1
52.5°	2308.8	2313.2	2359.4	2504.7	2829.3	3590.8	5342.8	8041.1	12306.5	14897.0	15259.0
55°	2230.6	2237.2	2273.6	2404.5	2703.8	3376.2	5000.5	8066.4	13282.6	15960.0	16206.5
57.5°	2147.0	2150.3	2181.1	2296.7	2564.1	3153.9	4569.1	7905.7	14188.3	16935.1	17168.4
60°	2073.3	2074.4	2095.3	2184.4	2408.9	2914.0	4067.3	7583.3	14917.9	17683.4	18063.0
62.5°	1974.2	1974.2	1987.4	2062.3	2250.5	2666.4	3585.3	7083.7	15316.3	18229.2	18505.4
65°	1832.3	1834.5	1847.7	1896.1	2042.5	2396.8	3133.0	6423.4	15292.1	18496.6	18773.9
67.5°	1560.5	1555.0	1634.2	1713.4	1827.9	2123.9	2689.5	5775.2	14737.4	18382.2	18641.9
70°	1130.2	1122.5	1168.7	1280.9	1557.2	1773.9	2285.7	5233.8	13144.0	17954.1	18169.8
72.5°	927.7	932.1	934.3	920.0	1042.1	1436.1	1909.3	4603.2	10845.1	16641.2	17312.5
75°	734.0	723.0	735.1	746.1	779.1	841.9	1545.1	3832.9	8801.5	13953.9	15086.3
77.5°	463.3	456.7	455.6	462.2	505.1	533.7	946.4	2809.5	6124.1	8826.8	8901.7
80°	322.4	321.3	322.4	331.2	345.5	352.1	524.9	1539.6	3083.5	3214.5	3157.2
82.5°	228.9	221.2	214.6	231.1	223.4	216.8	315.8	705.4	832.0	566.7	460.0
85°	113.3	115.5	97.9	124.4	116.6	113.3	123.3	134.3	124.4	232.2	263.0
87.5°	31.9	30.8	34.1	39.6	38.5	44.0	39.6	42.9	50.6	88.0	86.9
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)