

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: P510275

Luminaire Tested: **VERD-M-CA4-240-740-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510275  
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-CA4-240-740-U-T1  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 4000K, 1090mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35483 lumens  
Efficiency: N/A  
Efficacy: 146.4 lumens/watt  
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

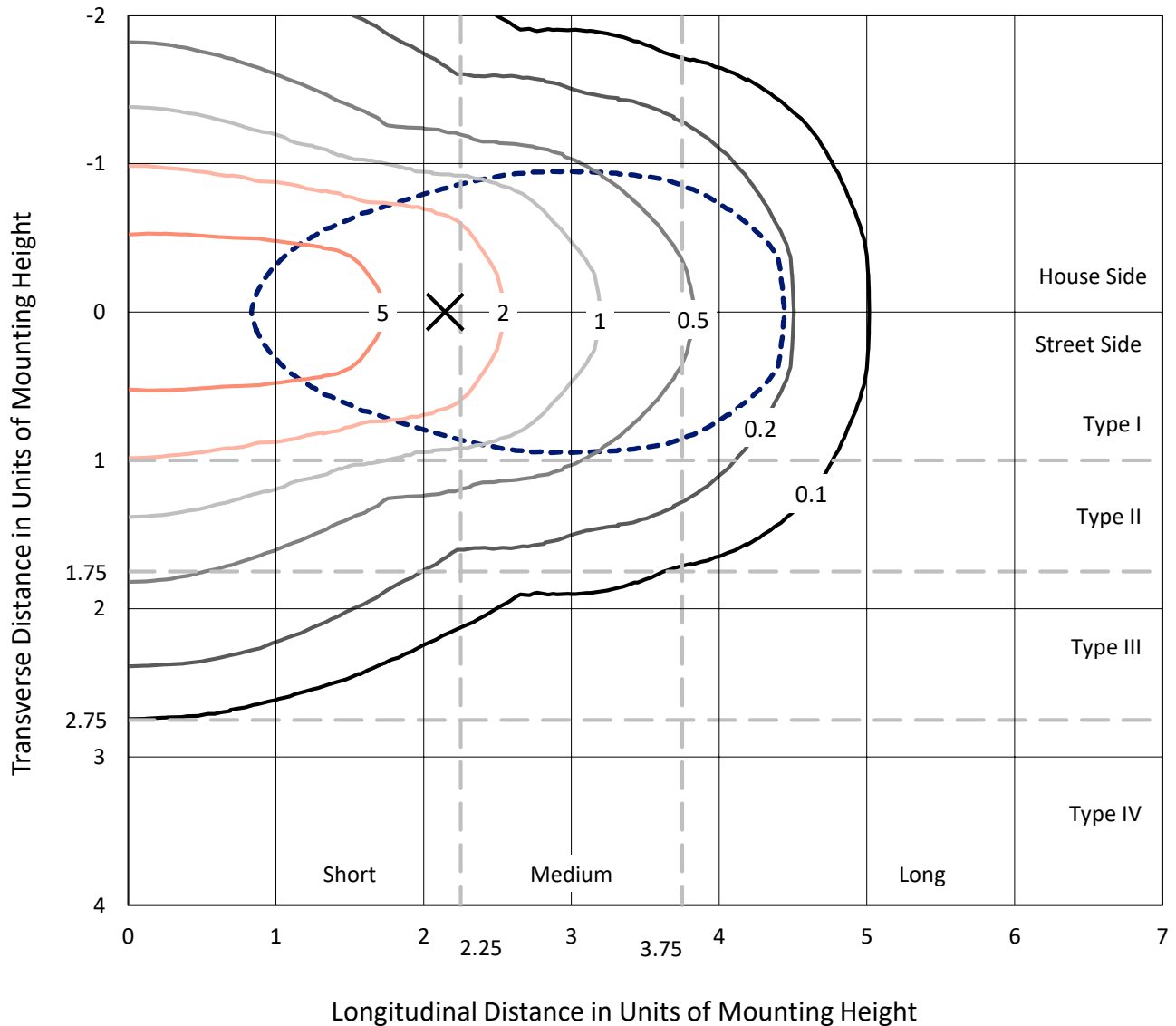
Input Watts (W): 242.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

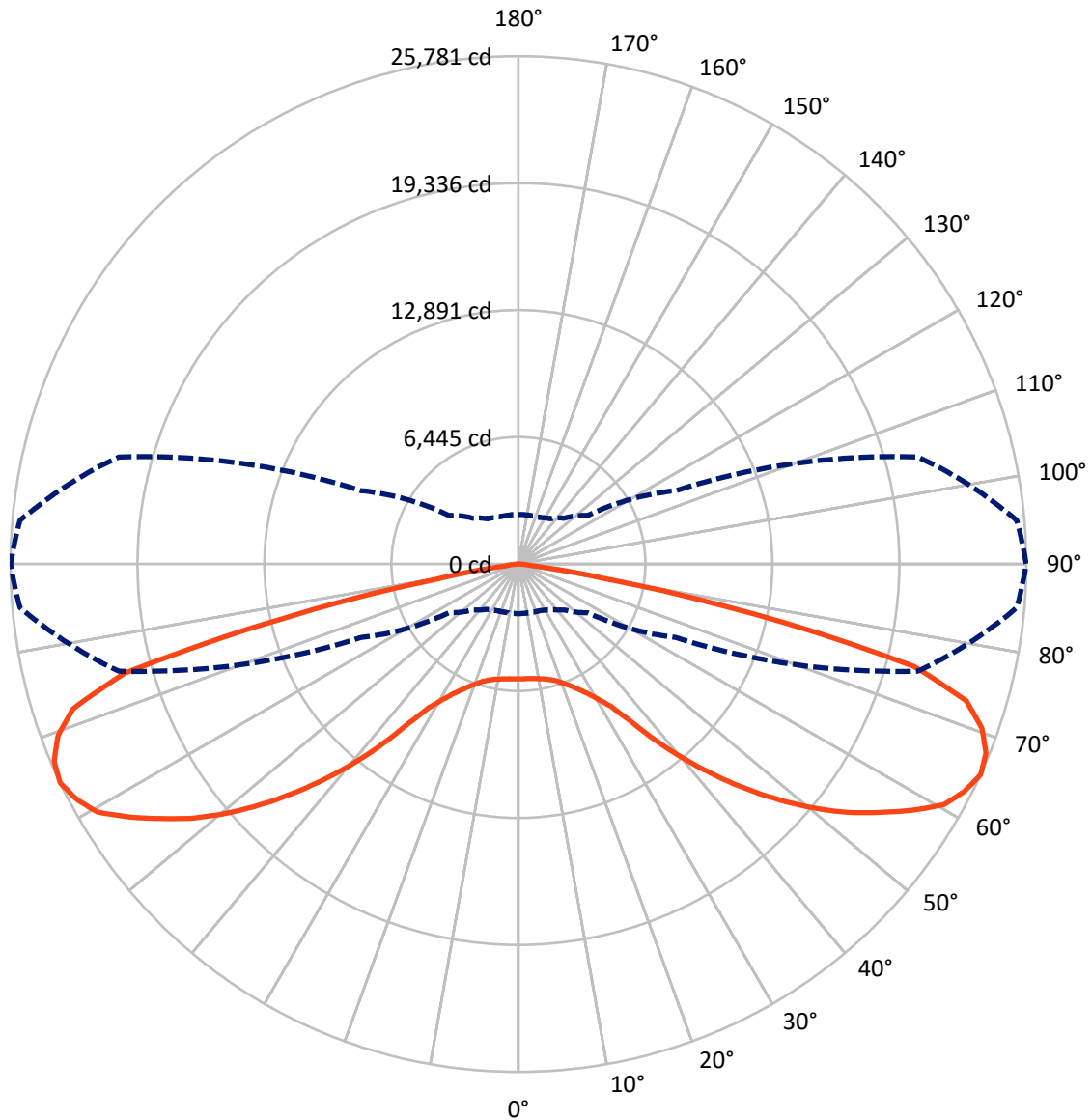
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17741.5	0.0	17741.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17741.5	0.0	17741.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35483.0	0.0	35483.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	555.6	1.6
10°-20°	1649.7	4.6
20°-30°	2723.6	7.7
30°-40°	3990.8	11.2
40°-50°	5821.2	16.4
50°-60°	7536.6	21.2
60°-70°	7940.3	22.4
70°-80°	4846.3	13.7
80°-90°	418.9	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°	35483.0	100.0
0°-180°	35483.0	100.0



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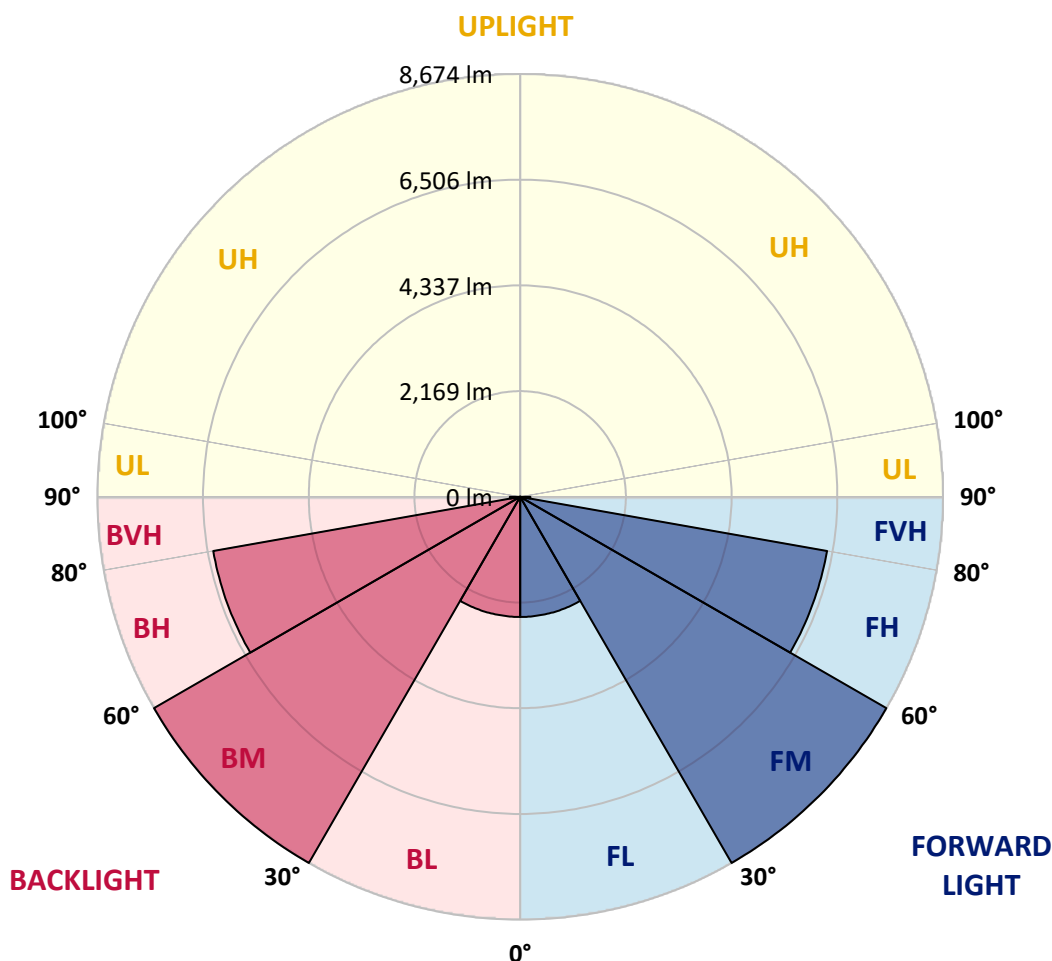
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2464.4	6.9			
FM (30°-60°)	8674.3	24.4			
FH (60°-80°)	6393.3	18.0			G3/7500
FVH (80°-90°)	209.5	0.6			G2/225
BL (0°-30°)	2464.4	6.9	B3/2500		
BM (30°-60°)	8674.3	24.4	B5		
BH (60°-80°)	6393.3	18.0	B5		G5
BVH (80°-90°)	209.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5837.8	5837.8	5837.8	5837.8	5837.8	5837.8	5837.8	5837.8	5837.8	5837.8	5837.8
2.5°	5789.4	5836.2	5843.8	5824.2	5825.7	5822.6	5834.7	5839.3	5845.3	5836.2	5831.7
5°	5780.3	5821.1	5828.7	5819.6	5831.7	5828.7	5834.7	5845.3	5843.8	5840.8	5840.8
7.5°	5732.0	5762.2	5786.4	5780.3	5783.3	5803.0	5824.2	5858.9	5875.5	5875.5	5872.5
10°	5668.5	5700.2	5741.0	5732.0	5751.6	5792.4	5834.7	5871.0	5913.3	5922.4	5922.4
12.5°	5600.5	5644.3	5683.6	5692.7	5738.0	5784.9	5861.9	5917.8	5966.2	5987.4	5985.8
15°	5509.8	5547.6	5594.4	5627.7	5700.2	5801.5	5902.7	5988.9	6058.4	6087.1	6091.6
17.5°	5388.9	5429.7	5479.6	5549.1	5676.1	5821.1	5978.3	6094.7	6200.4	6230.7	6230.7
20°	5230.2	5274.1	5334.5	5441.8	5614.1	5840.8	6050.8	6233.7	6371.2	6442.2	6452.8
22.5°	4983.9	5032.3	5130.5	5316.4	5543.1	5837.8	6137.0	6396.9	6603.9	6696.1	6706.7
25°	4710.4	4772.4	4911.4	5156.2	5455.4	5834.7	6223.1	6581.3	6857.8	6999.9	7030.1
27.5°	4468.6	4527.5	4698.3	5000.5	5373.8	5840.8	6309.2	6792.8	7191.8	7395.8	7421.5
30°	4231.3	4284.2	4474.7	4834.3	5298.3	5848.3	6419.6	7036.1	7571.1	7882.4	7944.4
32.5°	4036.4	4089.3	4273.7	4657.5	5206.1	5865.0	6560.1	7361.0	8098.5	8563.9	8603.2
35°	3865.6	3926.1	4087.8	4479.2	5083.7	5889.1	6736.9	7787.2	8854.1	9712.5	9757.8
37.5°	3717.5	3765.9	3909.5	4290.3	4955.2	5893.7	6942.4	8287.4	9830.3	11098.2	11408.0
40°	3619.3	3652.6	3762.9	4116.5	4786.0	5855.9	7178.2	8846.5	10918.4	12707.6	13061.3
42.5°	3530.2	3560.4	3648.0	3956.3	4609.1	5783.3	7397.3	9420.8	12008.0	14351.8	14685.8
45°	3422.9	3447.0	3536.2	3820.3	4436.9	5671.5	7578.6	9952.7	13135.3	16003.6	16317.9
47.5°	3335.2	3353.3	3428.9	3697.9	4245.0	5491.7	7655.7	10434.8	14344.3	17531.4	17921.3
50°	3274.8	3268.7	3335.2	3571.0	4048.5	5240.8	7590.7	10791.5	15618.2	19060.7	19480.8
52.5°	3170.5	3176.5	3240.0	3439.5	3885.3	4931.0	7336.9	11042.3	16899.7	20457.1	20954.2
55°	3063.2	3072.3	3122.1	3302.0	3713.0	4636.3	6866.9	11077.1	18240.1	21916.9	22255.4
57.5°	2948.3	2952.9	2995.2	3153.9	3521.1	4331.1	6274.5	10856.4	19483.9	23255.8	23576.2
60°	2847.1	2848.6	2877.3	2999.7	3308.0	4001.6	5585.4	10413.7	20485.8	24283.4	24804.8
62.5°	2711.1	2711.1	2729.2	2832.0	3090.4	3661.6	4923.5	9727.6	21032.8	25033.0	25412.3
65°	2516.1	2519.2	2537.3	2603.8	2804.8	3291.4	4302.4	8820.9	20999.6	25400.2	25781.0
67.5°	2142.9	2135.3	2244.1	2352.9	2510.1	2916.6	3693.4	7930.8	20237.9	25243.0	25599.7
70°	1552.0	1541.4	1604.9	1759.0	2138.3	2436.0	3138.8	7187.2	18049.7	24655.2	24951.4
72.5°	1273.9	1280.0	1283.0	1263.4	1431.1	1972.1	2621.9	6321.3	14892.8	22852.3	23774.1
75°	1008.0	992.9	1009.5	1024.6	1069.9	1156.1	2121.7	5263.5	12086.5	19162.0	20717.0
77.5°	636.2	627.1	625.6	634.7	693.6	732.9	1299.6	3858.1	8409.8	12121.3	12224.1
80°	442.8	441.3	442.8	454.9	474.5	483.6	720.8	2114.2	4234.4	4414.2	4335.6
82.5°	314.3	303.8	294.7	317.4	306.8	297.7	433.7	968.7	1142.5	778.3	631.7
85°	155.7	158.7	134.5	170.8	160.2	155.7	169.3	184.4	170.8	318.9	361.2
87.5°	43.8	42.3	46.8	54.4	52.9	60.4	54.4	58.9	69.5	120.9	119.4
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)