

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: P510299

Luminaire Tested: **VERD-M-CA4-250-722-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510299  
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-CA4-250-722-U-T1  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 2200K, 1130mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29888 lumens  
Efficiency: N/A  
Efficacy: 118.7 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

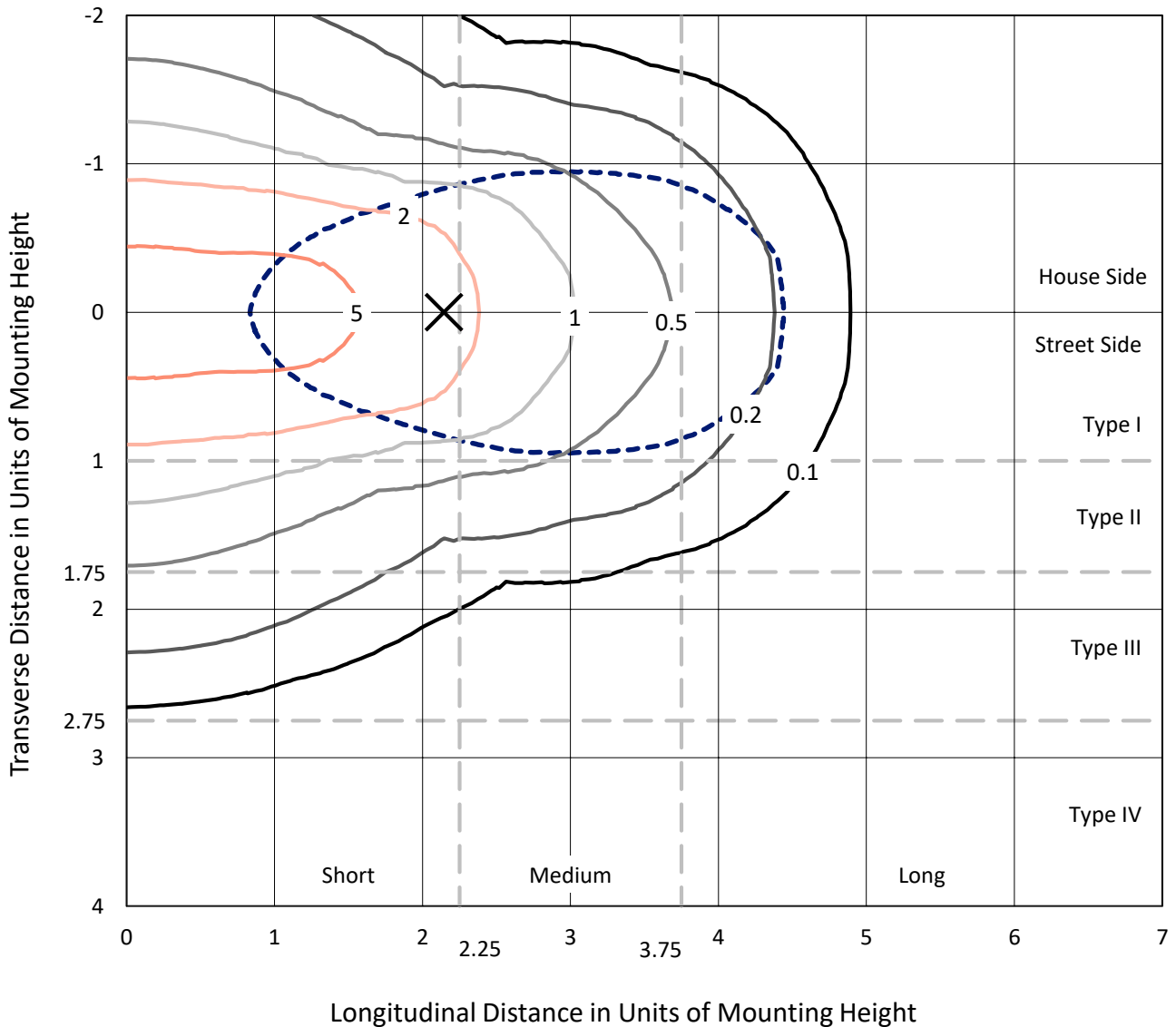
Input Watts (W): 251.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

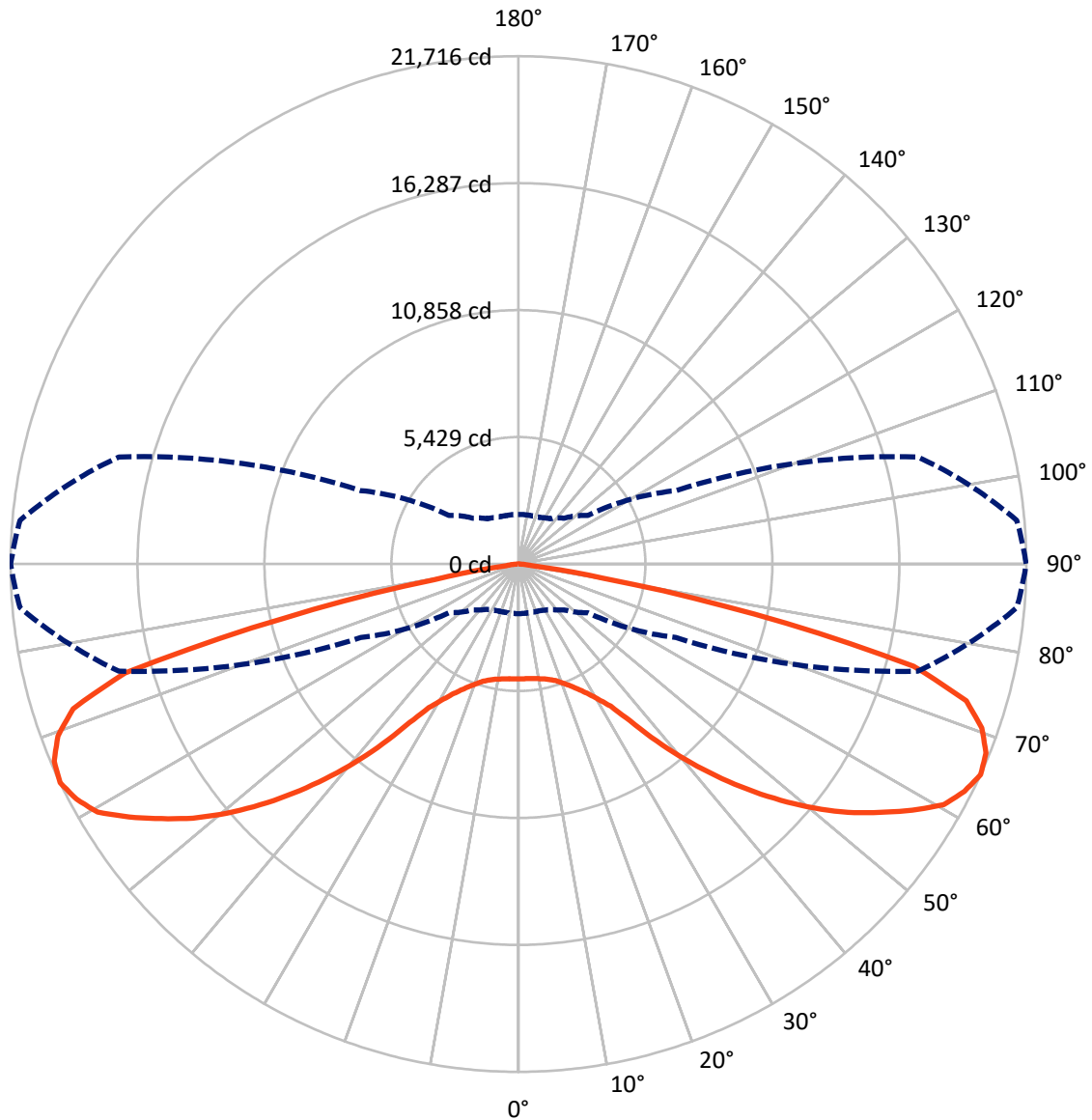
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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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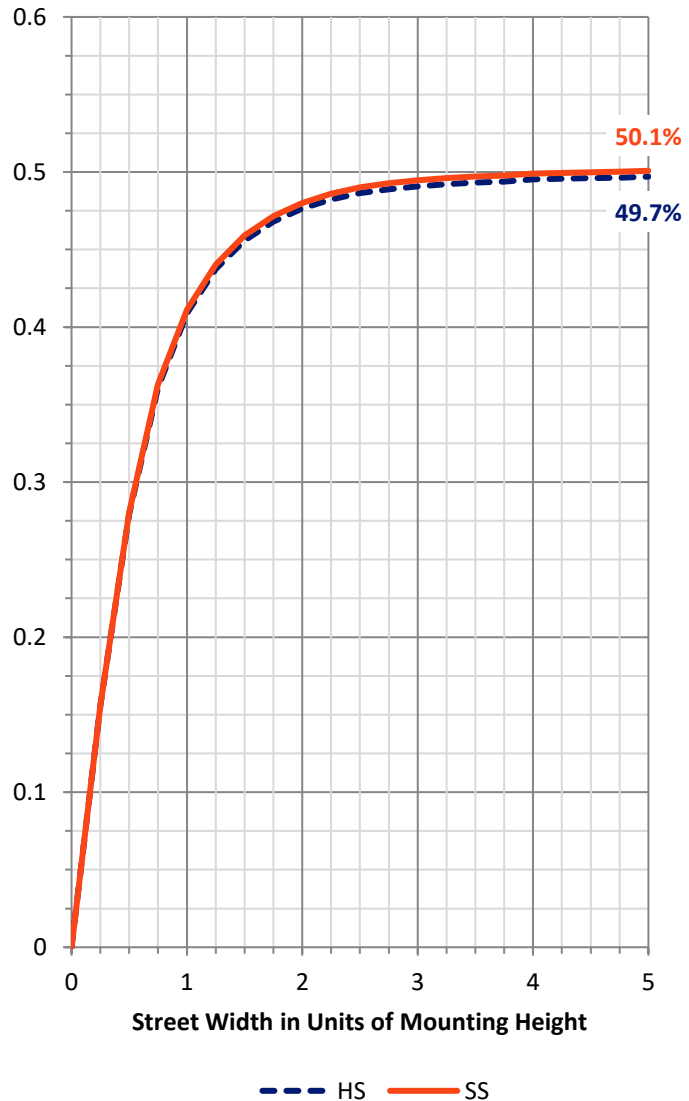
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14944.0	0.0	14944.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14944.0	0.0	14944.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29888.0	0.0	29888.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	468.0	1.6
10°-20°	1389.6	4.6
20°-30°	2294.1	7.7
30°-40°	3361.5	11.2
40°-50°	4903.3	16.4
50°-60°	6348.2	21.2
60°-70°	6688.3	22.4
70°-80°	4082.1	13.7
80°-90°	352.9	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°	29888.0	100.0
0°-180°	29888.0	100.0



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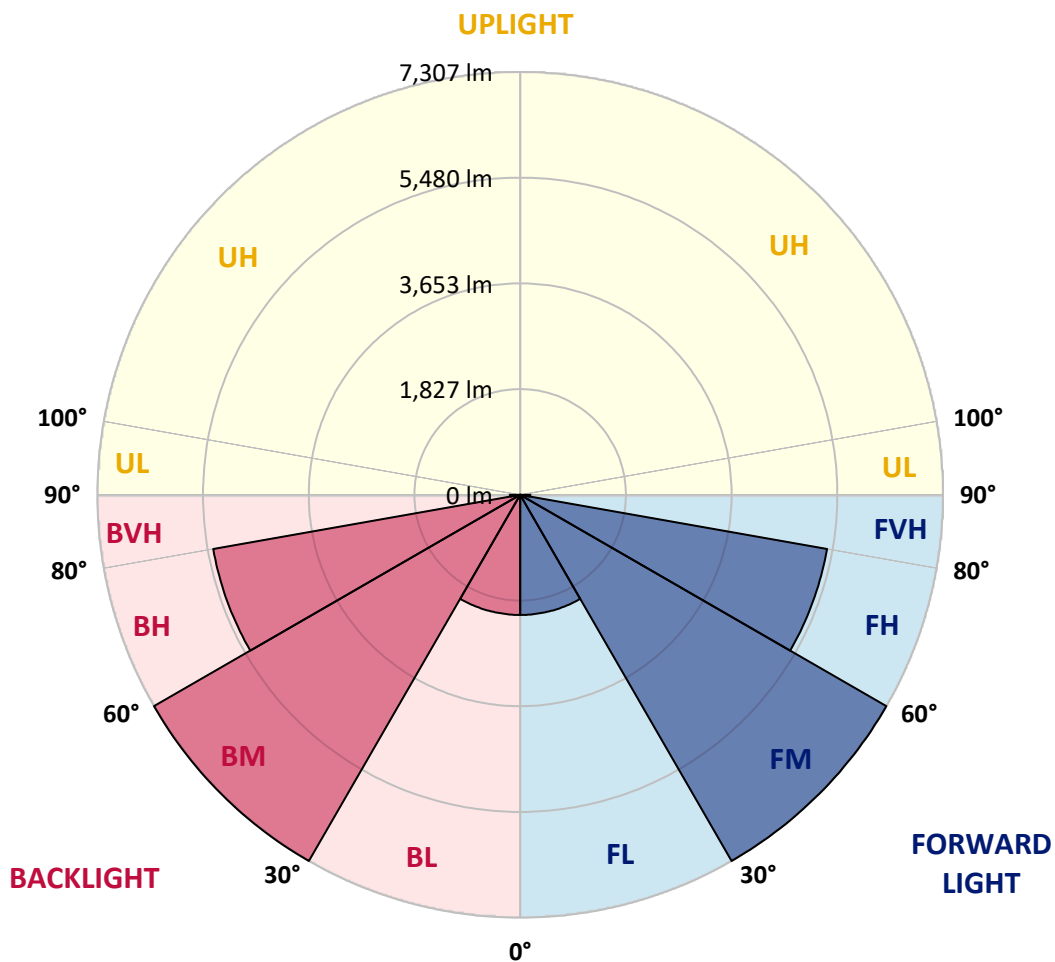
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2075.8	6.9			
FM (30°-60°)	7306.5	24.4			
FH (60°-80°)	5385.2	18.0			G3/7500
FVH (80°-90°)	176.4	0.6			G2/225
BL (0°-30°)	2075.8	6.9	B3/2500		
BM (30°-60°)	7306.5	24.4	B4/8500		
BH (60°-80°)	5385.2	18.0	B5		G5
BVH (80°-90°)	176.4	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°	4917.2	4917.2	4917.2	4917.2	4917.2	4917.2	4917.2	4917.2	4917.2	4917.2	4917.2
2.5°	4876.5	4916.0	4922.3	4905.8	4907.1	4904.5	4914.7	4918.5	4923.6	4916.0	4912.2
5°	4868.9	4903.2	4909.6	4902.0	4912.2	4909.6	4914.7	4923.6	4922.3	4919.8	4919.8
7.5°	4828.1	4853.6	4874.0	4868.9	4871.4	4888.0	4905.8	4935.1	4949.1	4949.1	4946.5
10°	4774.7	4801.4	4835.8	4828.1	4844.7	4879.1	4914.7	4945.3	4980.9	4988.5	4988.5
12.5°	4717.4	4754.3	4787.4	4795.0	4833.2	4872.7	4937.6	4984.7	5025.4	5043.3	5042.0
15°	4641.0	4672.8	4712.3	4740.3	4801.4	4886.7	4972.0	5044.5	5103.1	5127.3	5131.1
17.5°	4539.2	4573.6	4615.6	4674.1	4781.0	4903.2	5035.6	5133.6	5222.7	5248.2	5248.2
20°	4405.5	4442.5	4493.4	4583.7	4728.9	4919.8	5096.7	5250.7	5366.6	5426.4	5435.3
22.5°	4198.1	4238.8	4321.5	4478.1	4669.0	4917.2	5169.3	5388.2	5562.6	5640.3	5649.2
25°	3967.7	4019.8	4137.0	4343.2	4595.2	4914.7	5241.8	5543.5	5776.5	5896.1	5921.6
27.5°	3764.0	3813.6	3957.5	4212.1	4526.5	4919.8	5314.4	5721.7	6057.8	6229.6	6251.3
30°	3564.1	3608.7	3769.1	4072.0	4462.8	4926.2	5407.3	5926.7	6377.3	6639.5	6691.7
32.5°	3399.9	3444.5	3599.8	3923.1	4385.2	4940.2	5525.7	6200.3	6821.5	7213.6	7246.7
35°	3256.1	3307.0	3443.2	3772.9	4282.1	4960.5	5674.6	6559.3	7458.0	8181.0	8219.2
37.5°	3131.4	3172.1	3293.0	3613.8	4173.9	4964.3	5847.7	6980.6	8280.3	9348.2	9609.2
40°	3048.6	3076.6	3169.5	3467.4	4031.3	4932.5	6046.3	7451.6	9196.8	10703.9	11001.8
42.5°	2973.5	2999.0	3072.8	3332.5	3882.4	4871.4	6230.9	7935.3	10114.5	12088.8	12370.1
45°	2883.1	2903.5	2978.6	3217.9	3737.3	4777.2	6383.6	8383.4	11064.1	13480.1	13744.9
47.5°	2809.3	2824.6	2888.2	3114.8	3575.6	4625.8	6448.6	8789.4	12082.5	14767.0	15095.4
50°	2758.4	2753.3	2809.3	3007.9	3410.1	4414.4	6393.8	9089.8	13155.5	16055.2	16409.1
52.5°	2670.6	2675.7	2729.1	2897.1	3272.6	4153.5	6180.0	9301.1	14234.9	17231.4	17650.2
55°	2580.2	2587.8	2629.8	2781.3	3127.5	3905.3	5784.1	9330.4	15364.0	18461.0	18746.1
57.5°	2483.4	2487.3	2522.9	2656.6	2965.9	3648.2	5285.1	9144.6	16411.6	19588.8	19858.7
60°	2398.2	2399.4	2423.6	2526.7	2786.4	3370.7	4704.7	8771.6	17255.6	20454.4	20893.5
62.5°	2283.6	2283.6	2298.9	2385.4	2603.1	3084.3	4147.1	8193.7	17716.3	21085.7	21405.2
65°	2119.4	2121.9	2137.2	2193.2	2362.5	2772.4	3624.0	7430.0	17688.3	21395.1	21715.8
67.5°	1805.0	1798.6	1890.3	1981.9	2114.3	2456.7	3111.0	6680.2	17046.8	21262.7	21563.1
70°	1307.3	1298.4	1351.8	1481.7	1801.2	2051.9	2643.8	6054.0	15203.6	20767.5	21017.0
72.5°	1073.1	1078.2	1080.7	1064.2	1205.4	1661.1	2208.5	5324.6	12544.5	19248.9	20025.4
75°	849.0	836.3	850.3	863.0	901.2	973.8	1787.2	4433.5	10180.7	16140.5	17450.3
77.5°	535.9	528.3	527.0	534.6	584.3	617.4	1094.7	3249.7	7083.7	10210.0	10296.6
80°	373.0	371.7	373.0	383.1	399.7	407.3	607.2	1780.8	3566.7	3718.2	3652.0
82.5°	264.8	255.9	248.2	267.3	258.4	250.8	365.3	815.9	962.3	655.5	532.1
85°	131.1	133.7	113.3	143.8	134.9	131.1	142.6	155.3	143.8	268.6	304.2
87.5°	36.9	35.6	39.5	45.8	44.6	50.9	45.8	49.6	58.6	101.8	100.6
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)