

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: P510259

Luminaire Tested: **VERD-M-CA4-240-727-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510259  
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-CA4-240-727-U-T1  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 2700K, 1090mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30047 lumens  
Efficiency: N/A  
Efficacy: 124.0 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

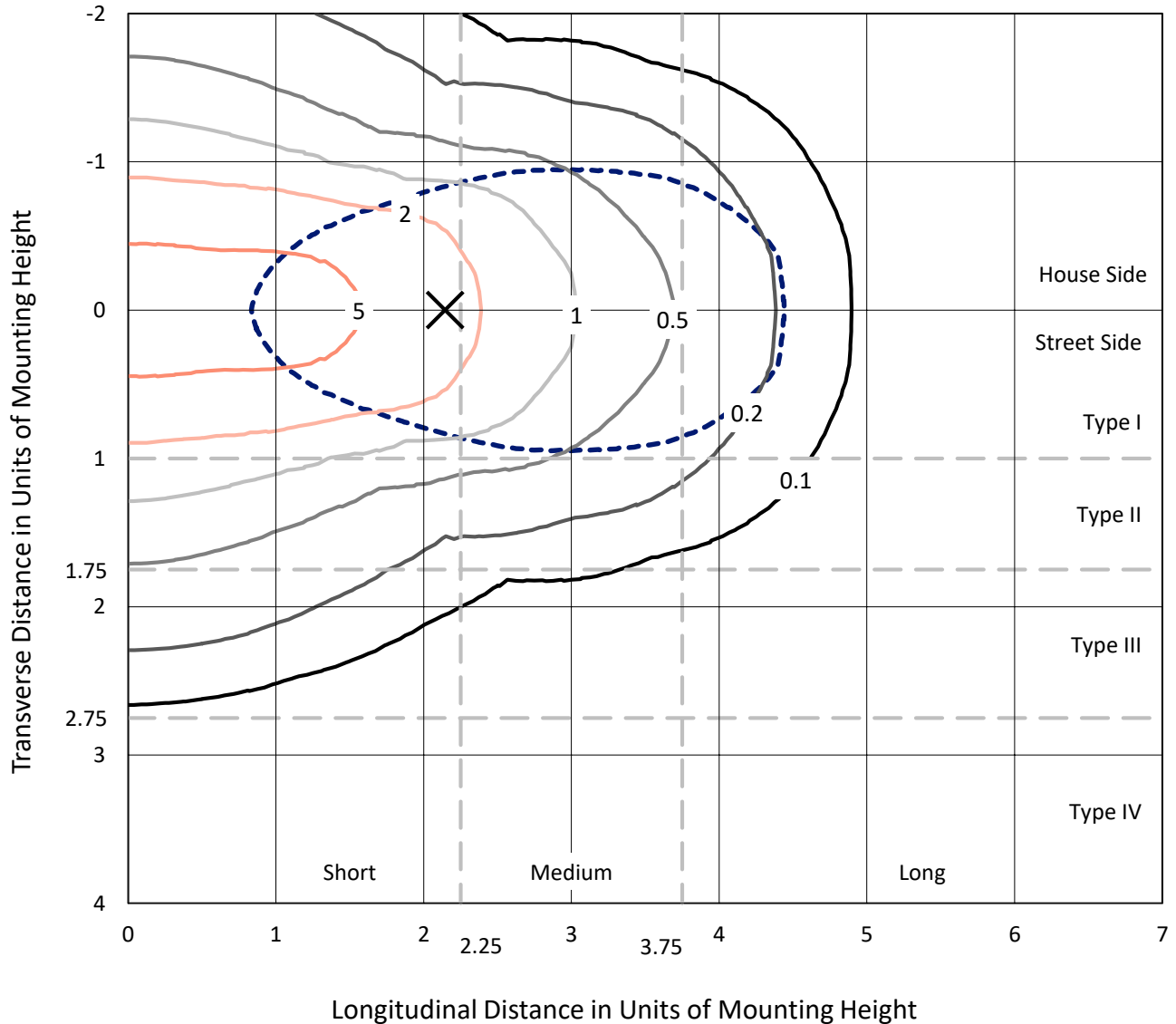
Input Watts (W): 242.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P510259  
 CATALOG NUMBER: VERD-M-CA4-240-727-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

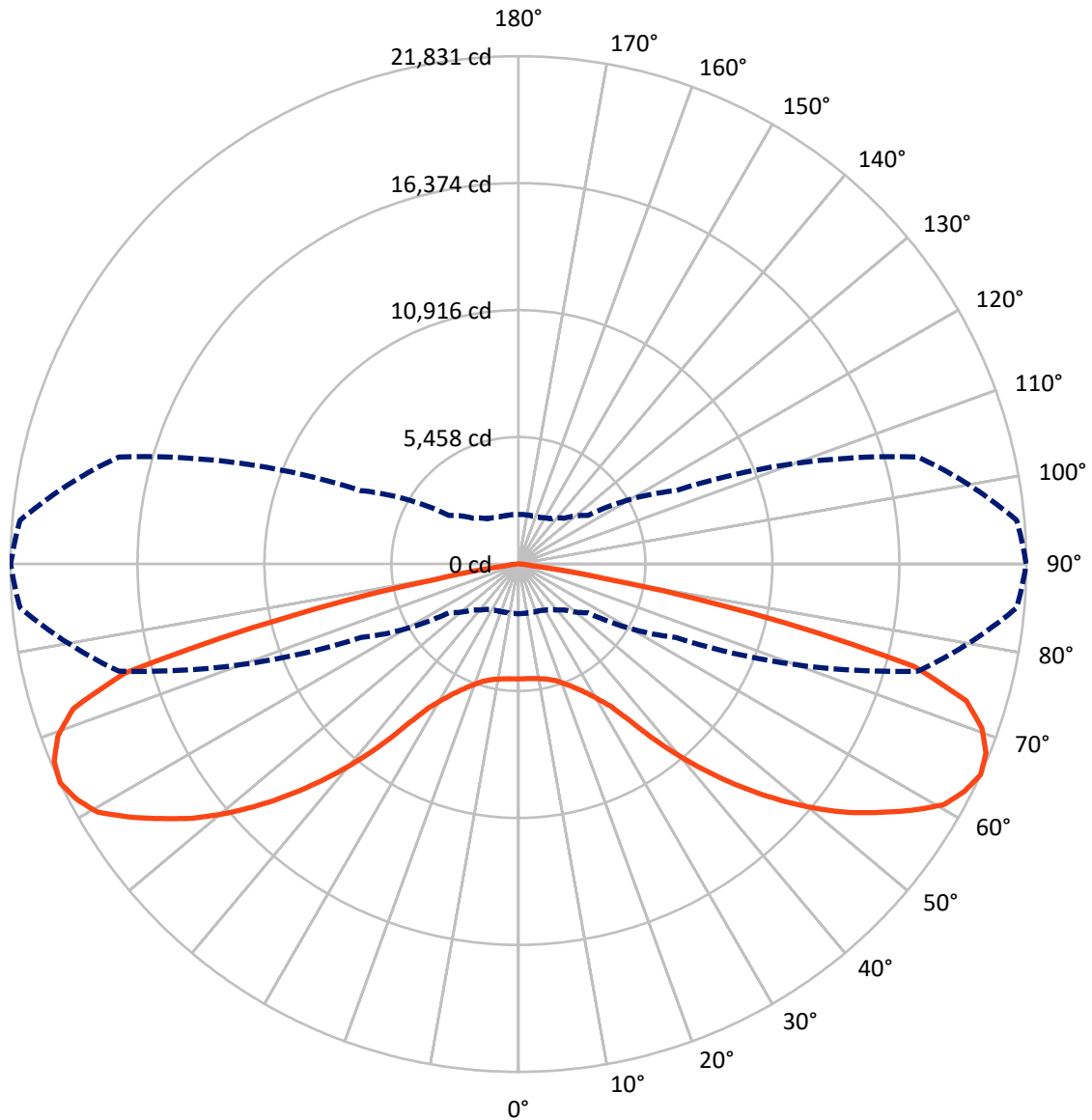
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc  
 Type I - Short - N/A

REPORT NUMBER: P510259  
CATALOG NUMBER: VERD-M-CA4-240-727-U-T1

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P510259

CATALOG NUMBER: VERD-M-CA4-240-727-U-T1

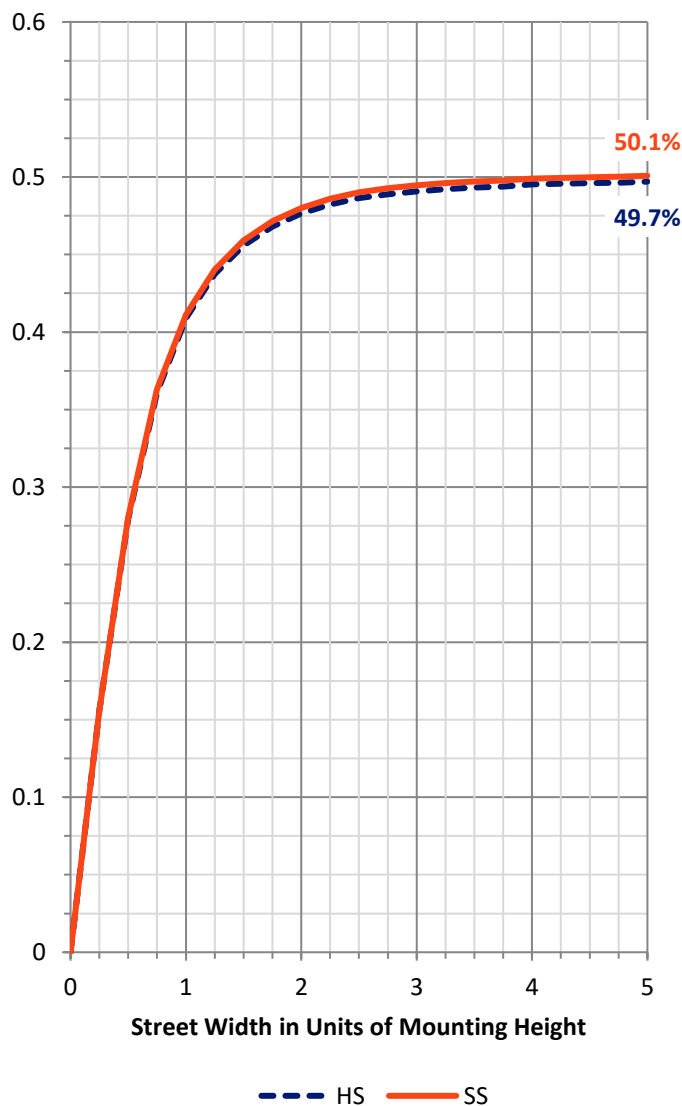
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15023.5	0.0	15023.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15023.5	0.0	15023.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30047.0	0.0	30047.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	470.5	1.6
10°-20°	1397.0	4.6
20°-30°	2306.3	7.7
30°-40°	3379.4	11.2
40°-50°	4929.4	16.4
50°-60°	6382.0	21.2
60°-70°	6723.9	22.4
70°-80°	4103.8	13.7
80°-90°	354.8	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°	30047.0	100.0
0°-180°	30047.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P510259

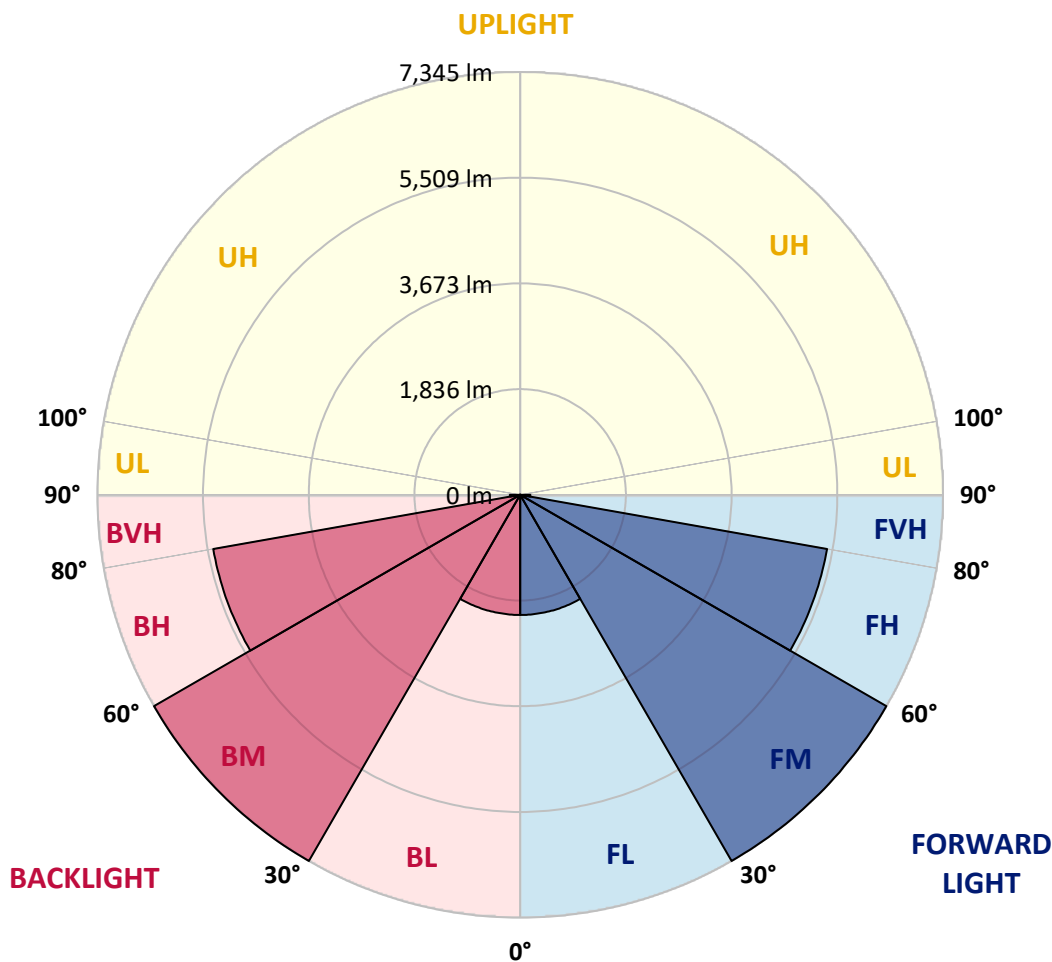
CATALOG NUMBER: VERD-M-CA4-240-727-U-T1

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2086.9	6.9			
FM	(30°-60°)	7345.4	24.4			
FH	(60°-80°)	5413.8	18.0			G3/7500
FVH	(80°-90°)	177.4	0.6			G2/225
BL	(0°-30°)	2086.9	6.9	B3/2500		
BM	(30°-60°)	7345.4	24.4	B4/8500		
BH	(60°-80°)	5413.8	18.0	B5		G5
BVH	(80°-90°)	177.4	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





REPORT NUMBER: P510259

CATALOG NUMBER: VERD-M-CA4-240-727-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4943.4	4943.4	4943.4	4943.4	4943.4	4943.4	4943.4	4943.4	4943.4	4943.4	4943.4
2.5°	4902.5	4942.1	4948.5	4931.9	4933.2	4930.6	4940.8	4944.7	4949.8	4942.1	4938.3
5°	4894.8	4929.3	4935.7	4928.1	4938.3	4935.7	4940.8	4949.8	4948.5	4946.0	4946.0
7.5°	4853.8	4879.4	4899.9	4894.8	4897.3	4914.0	4931.9	4961.3	4975.4	4975.4	4972.8
10°	4800.1	4827.0	4861.5	4853.8	4870.5	4905.0	4940.8	4971.6	5007.4	5015.1	5015.1
12.5°	4742.5	4779.6	4812.9	4820.6	4858.9	4898.6	4963.9	5011.2	5052.2	5070.1	5068.8
15°	4665.7	4697.7	4737.4	4765.5	4827.0	4912.7	4998.4	5071.4	5130.2	5154.6	5158.4
17.5°	4563.3	4597.9	4640.1	4699.0	4806.5	4929.3	5062.4	5161.0	5250.5	5276.1	5276.1
20°	4429.0	4466.1	4517.3	4608.1	4754.0	4946.0	5123.8	5278.7	5395.1	5455.3	5464.2
22.5°	4220.4	4261.3	4344.5	4501.9	4693.9	4943.4	5196.8	5416.9	5592.2	5670.3	5679.2
25°	3988.8	4041.2	4159.0	4366.3	4619.6	4940.8	5269.7	5573.0	5807.2	5927.5	5953.1
27.5°	3784.0	3833.9	3978.5	4234.5	4550.5	4946.0	5342.7	5752.2	6090.0	6262.8	6284.5
30°	3583.1	3627.9	3789.1	4093.7	4486.6	4952.4	5436.1	5958.2	6411.2	6674.8	6727.3
32.5°	3418.0	3462.8	3618.9	3944.0	4408.5	4966.4	5555.1	6233.3	6857.8	7252.0	7285.2
35°	3273.4	3324.6	3461.5	3793.0	4304.8	4986.9	5704.8	6594.2	7497.6	8224.5	8262.9
37.5°	3148.0	3189.0	3310.5	3633.0	4196.1	4990.8	5878.9	7017.8	8324.3	9398.0	9660.3
40°	3064.8	3093.0	3186.4	3485.9	4052.7	4958.8	6078.5	7491.3	9245.7	10760.8	11060.3
42.5°	2989.3	3014.9	3089.1	3350.2	3903.0	4897.3	6264.0	7977.5	10168.3	12153.1	12435.9
45°	2898.5	2919.0	2994.5	3235.0	3757.1	4802.6	6417.6	8428.0	11123.0	13551.8	13818.0
47.5°	2824.3	2839.6	2903.6	3131.4	3594.6	4650.4	6482.9	8836.2	12146.7	14845.6	15175.7
50°	2773.1	2767.9	2824.3	3023.9	3428.3	4437.9	6427.8	9138.2	13225.5	16140.6	16496.4
52.5°	2684.8	2689.9	2743.6	2912.6	3290.1	4175.6	6212.8	9350.6	14310.7	17323.0	17744.1
55°	2593.9	2601.6	2643.8	2796.1	3144.2	3926.1	5814.9	9380.1	15445.7	18559.2	18845.9
57.5°	2496.7	2500.5	2536.3	2670.7	2981.7	3667.6	5313.2	9193.2	16498.9	19693.0	19964.3
60°	2410.9	2412.2	2436.5	2540.2	2801.2	3388.6	4729.7	8818.3	17347.4	20563.2	21004.7
62.5°	2295.7	2295.7	2311.1	2398.1	2616.9	3100.7	4169.2	8237.3	17810.6	21197.9	21519.1
65°	2130.7	2133.2	2148.6	2204.9	2375.1	2787.1	3643.3	7469.5	17782.4	21508.9	21831.4
67.5°	1814.6	1808.2	1900.3	1992.5	2125.5	2469.8	3127.5	6715.8	17137.5	21375.8	21677.8
70°	1314.2	1305.3	1359.0	1489.5	1810.7	2062.8	2657.9	6086.2	15284.5	20878.0	21128.8
72.5°	1078.8	1083.9	1086.4	1069.8	1211.9	1670.0	2220.2	5352.9	12611.3	19351.3	20131.9
75°	853.5	840.8	854.8	867.6	906.0	979.0	1796.7	4457.1	10234.9	16226.4	17543.1
77.5°	538.7	531.1	529.8	537.5	587.4	620.6	1100.5	3267.0	7121.4	10264.3	10351.3
80°	374.9	373.7	374.9	385.2	401.8	409.5	610.4	1790.3	3585.7	3737.9	3671.4
82.5°	266.2	257.2	249.5	268.7	259.8	252.1	367.3	820.3	967.4	659.0	534.9
85°	131.8	134.4	113.9	144.6	135.6	131.8	143.3	156.1	144.6	270.0	305.8
87.5°	37.1	35.8	39.7	46.1	44.8	51.2	46.1	49.9	58.9	102.4	101.1
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)