

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: P510147

Luminaire Tested: **VERD-M-CA4-210-760-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510147
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-CA4-210-760-U-T1
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 5700K, 960mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31844 lumens
Efficiency: N/A
Efficacy: 149.1 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

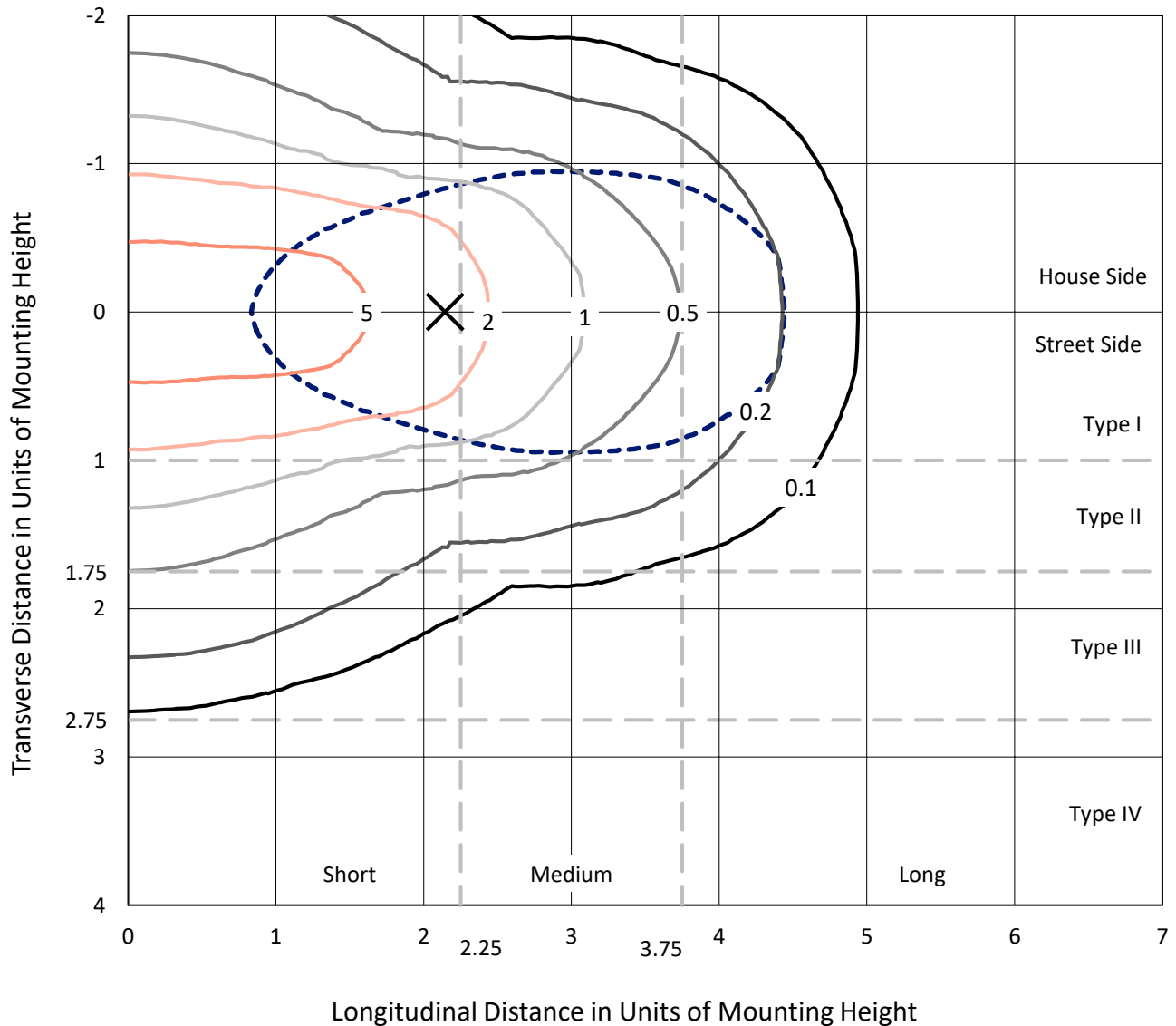
Input Watts (W): 213.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

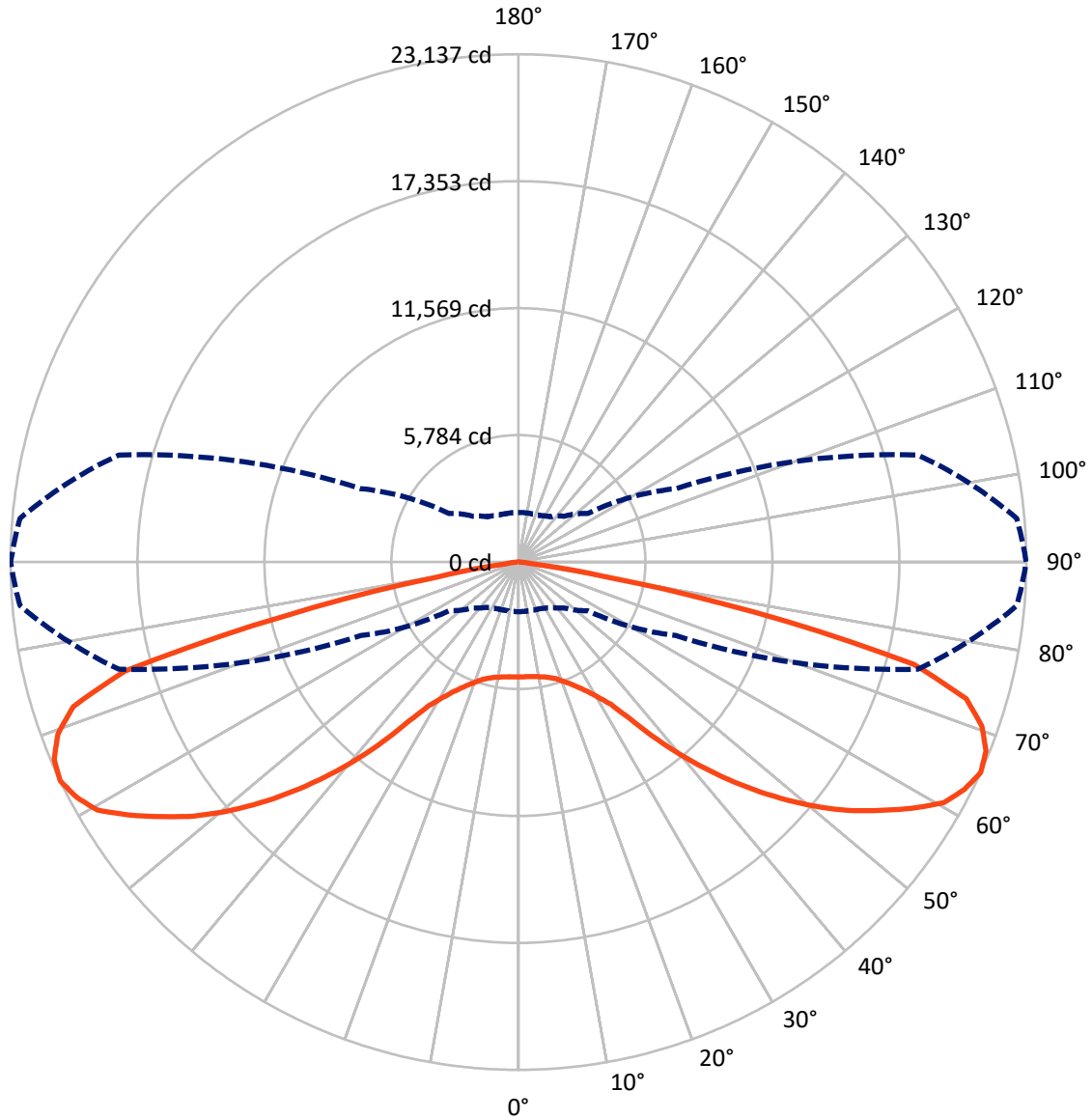
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type I - Short - N/A

REPORT NUMBER: P510147
CATALOG NUMBER: VERD-M-CA4-210-760-U-T1

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
House Side	Lumens	15922.0	0.0	15922.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15922.0	0.0	15922.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31844.0	0.0	31844.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.6	1.6
10°-20°	1480.5	4.6
20°-30°	2444.2	7.7
30°-40°	3581.5	11.2
40°-50°	5224.2	16.4
50°-60°	6763.7	21.2
60°-70°	7126.0	22.4
70°-80°	4349.2	13.7
80°-90°	376.0	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°	31844.0	100.0
0°-180°	31844.0	100.0



REPORT NUMBER: P510147

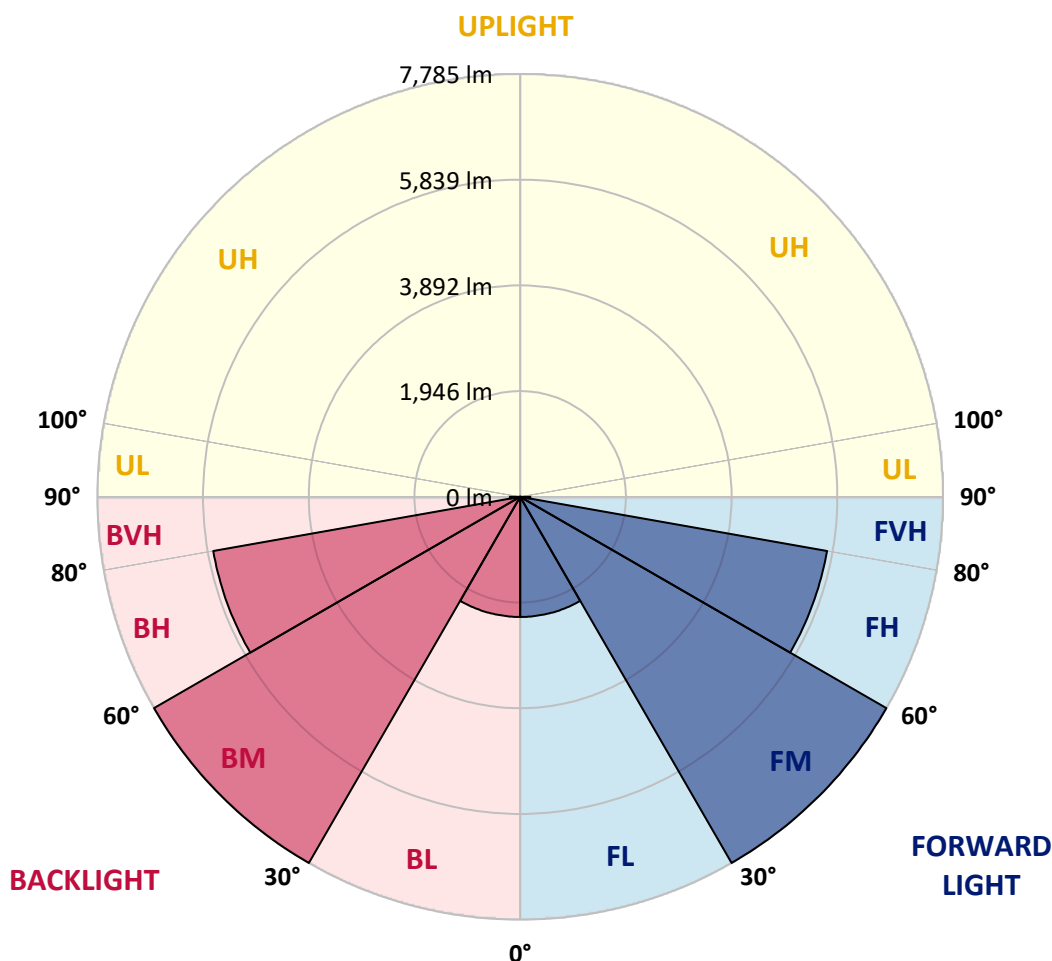
CATALOG NUMBER: VERD-M-CA4-210-760-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2211.7	6.9			
FM (30°-60°)	7784.7	24.4			
FH (60°-80°)	5737.6	18.0			G3/7500
FVH (80°-90°)	188.0	0.6			G2/225
BL (0°-30°)	2211.7	6.9	B3/2500		
BM (30°-60°)	7784.7	24.4	B4/8500		
BH (60°-80°)	5737.6	18.0	B5		G5
BVH (80°-90°)	188.0	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°	5239.1	5239.1	5239.1	5239.1	5239.1	5239.1	5239.1	5239.1	5239.1	5239.1	5239.1
2.5°	5195.7	5237.7	5244.5	5226.8	5228.2	5225.5	5236.3	5240.4	5245.8	5237.7	5233.6
5°	5187.5	5224.1	5230.9	5222.8	5233.6	5230.9	5236.3	5245.8	5244.5	5241.8	5241.8
7.5°	5144.1	5171.2	5192.9	5187.5	5190.2	5207.9	5226.8	5258.0	5273.0	5273.0	5270.2
10°	5087.2	5115.6	5152.3	5144.1	5161.7	5198.4	5236.3	5268.9	5306.9	5315.0	5315.0
12.5°	5026.1	5065.5	5100.7	5108.9	5149.5	5191.6	5260.8	5310.9	5354.3	5373.3	5372.0
15°	4944.8	4978.7	5020.7	5050.5	5115.6	5206.5	5297.4	5374.7	5437.1	5462.8	5466.9
17.5°	4836.3	4872.9	4917.6	4980.0	5093.9	5224.1	5365.2	5469.6	5564.5	5591.7	5591.7
20°	4693.9	4733.2	4787.4	4883.7	5038.3	5241.8	5430.3	5594.4	5717.8	5781.5	5791.0
22.5°	4472.8	4516.2	4604.3	4771.2	4974.6	5239.1	5507.6	5740.9	5926.7	6009.4	6018.9
25°	4227.3	4282.9	4407.7	4627.4	4895.9	5236.3	5584.9	5906.3	6154.5	6282.0	6309.1
27.5°	4010.3	4063.2	4216.5	4487.7	4822.7	5241.8	5662.2	6096.2	6454.2	6637.3	6660.4
30°	3797.4	3844.9	4015.7	4338.5	4754.9	5248.5	5761.2	6314.5	6794.6	7074.0	7129.6
32.5°	3622.4	3669.9	3835.4	4179.9	4672.2	5263.5	5887.3	6606.1	7267.9	7685.7	7720.9
35°	3469.2	3523.4	3668.6	4019.8	4562.3	5285.2	6046.0	6988.6	7946.1	8716.4	8757.1
37.5°	3336.3	3379.7	3508.5	3850.3	4447.0	5289.2	6230.4	7437.5	8822.2	9960.0	10238.1
40°	3248.1	3278.0	3377.0	3694.3	4295.1	5255.3	6442.0	7939.3	9798.6	11404.4	11721.8
42.5°	3168.1	3195.2	3273.9	3550.6	4136.5	5190.2	6638.7	8454.6	10776.5	12880.0	13179.7
45°	3071.8	3093.5	3173.5	3428.5	3981.8	5089.9	6801.4	8932.0	11788.2	14362.3	14644.4
47.5°	2993.2	3009.4	3077.2	3318.7	3809.6	4928.5	6870.6	9364.7	12873.2	15733.4	16083.3
50°	2938.9	2933.5	2993.2	3204.7	3633.3	4703.3	6812.3	9684.7	14016.5	17105.9	17483.0
52.5°	2845.3	2850.8	2907.7	3086.7	3486.8	4425.3	6584.4	9909.9	15166.5	18359.1	18805.3
55°	2749.0	2757.2	2801.9	2963.3	3332.2	4160.9	6162.6	9941.0	16369.5	19669.2	19973.0
57.5°	2646.0	2650.0	2688.0	2830.4	3160.0	3886.9	5631.0	9743.0	17485.7	20870.8	21158.3
60°	2555.1	2556.5	2582.2	2692.1	2968.8	3591.3	5012.6	9345.7	18384.8	21793.0	22260.9
62.5°	2433.0	2433.0	2449.3	2541.5	2773.5	3286.1	4418.5	8729.9	18875.8	22465.7	22806.1
65°	2258.1	2260.8	2277.1	2336.8	2517.1	2953.8	3861.1	7916.2	18845.9	22795.2	23137.0
67.5°	1923.1	1916.3	2014.0	2111.6	2252.7	2617.5	3314.6	7117.4	18162.4	22654.2	22974.3
70°	1392.8	1383.3	1440.3	1578.6	1919.0	2186.2	2816.9	6450.2	16198.6	22126.6	22392.4
72.5°	1143.3	1148.7	1151.4	1133.8	1284.3	1769.9	2353.0	5673.0	13365.5	20508.7	21336.0
75°	904.6	891.0	906.0	919.5	960.2	1037.5	1904.1	4723.7	10847.0	17196.8	18592.3
77.5°	571.0	562.8	561.5	569.6	622.5	657.8	1166.3	3462.4	7547.3	10878.2	10970.4
80°	397.4	396.0	397.4	408.2	425.9	434.0	646.9	1897.3	3800.1	3961.5	3891.0
82.5°	282.1	272.6	264.5	284.8	275.3	267.2	389.2	869.3	1025.3	698.5	566.9
85°	139.7	142.4	120.7	153.3	143.8	139.7	151.9	165.5	153.3	286.2	324.1
87.5°	39.3	38.0	42.0	48.8	47.5	54.2	48.8	52.9	62.4	108.5	107.1
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)