

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: P510003

Luminaire Tested: **VERD-M-CA3-180-760-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510003
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-CA3-180-760-U-T1
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 5700K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26985 lumens
Efficiency: N/A
Efficacy: 147.4 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

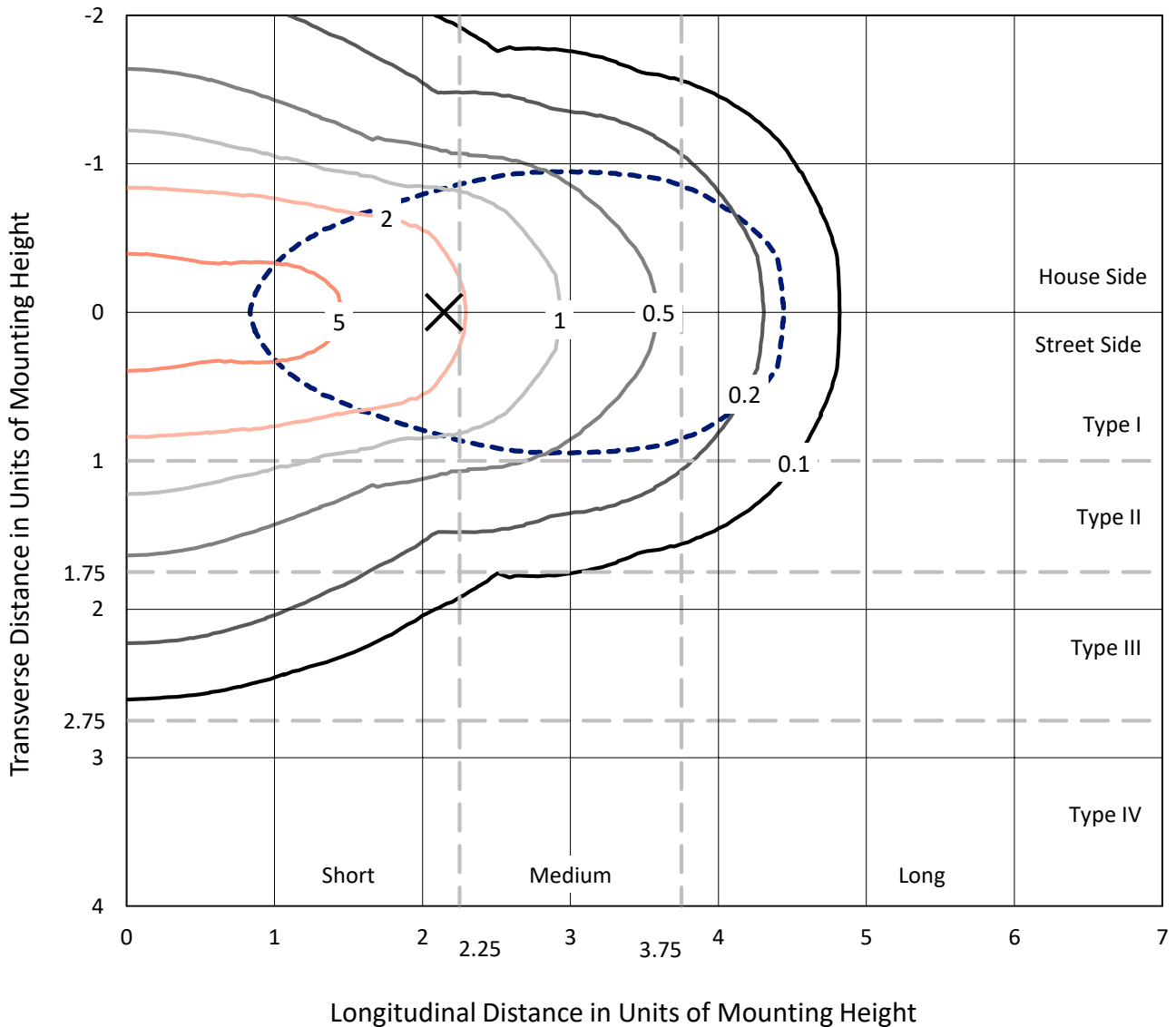
Input Watts (W): 183.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510003
 CATALOG NUMBER: VERD-M-CA3-180-760-U-T1

Iso-Footcandle Lines of Horizontal Illumination

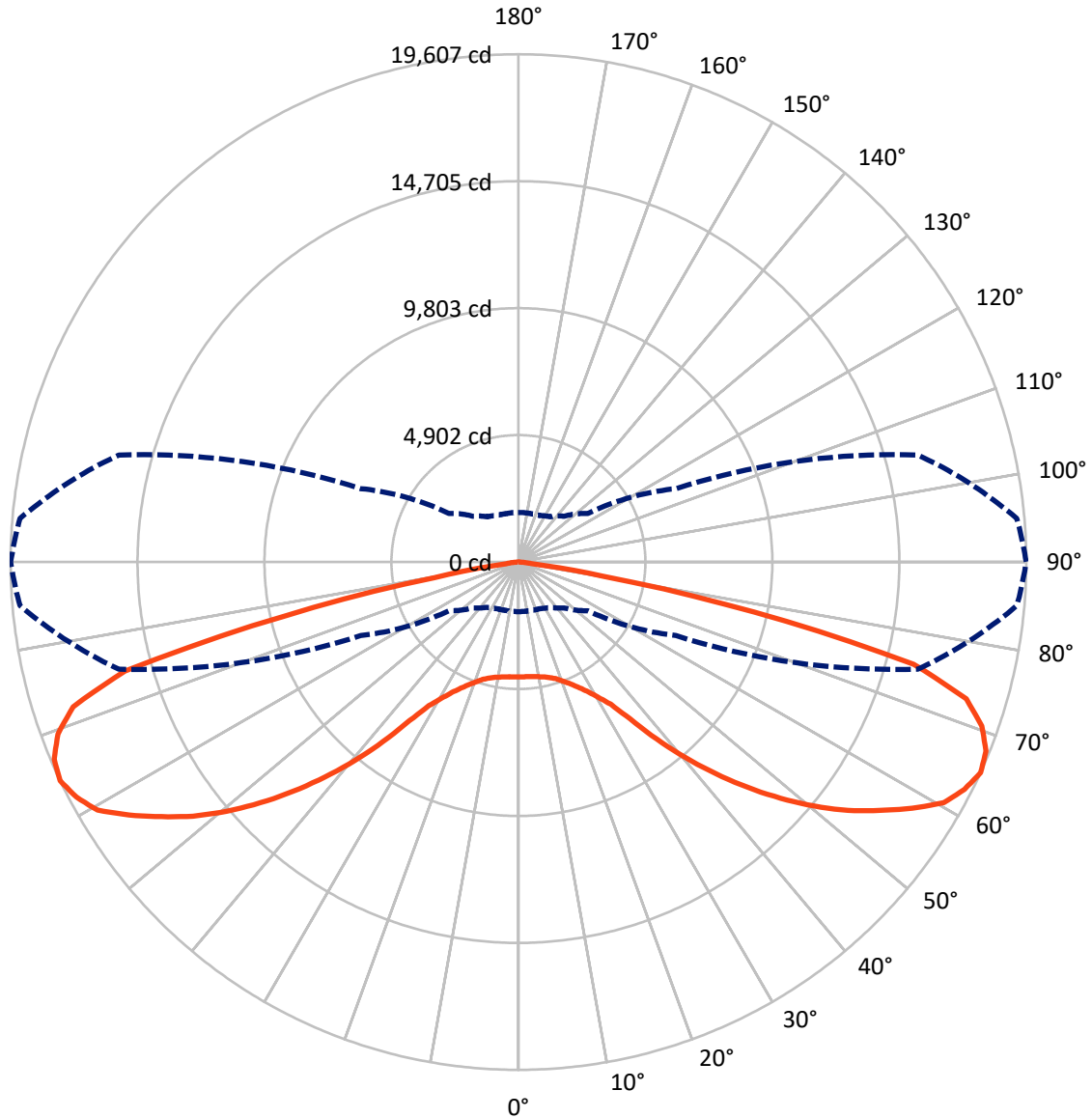
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type I - Short - N/A

REPORT NUMBER: P510003
CATALOG NUMBER: VERD-M-CA3-180-760-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P510003

CATALOG NUMBER: VERD-M-CA3-180-760-U-T1

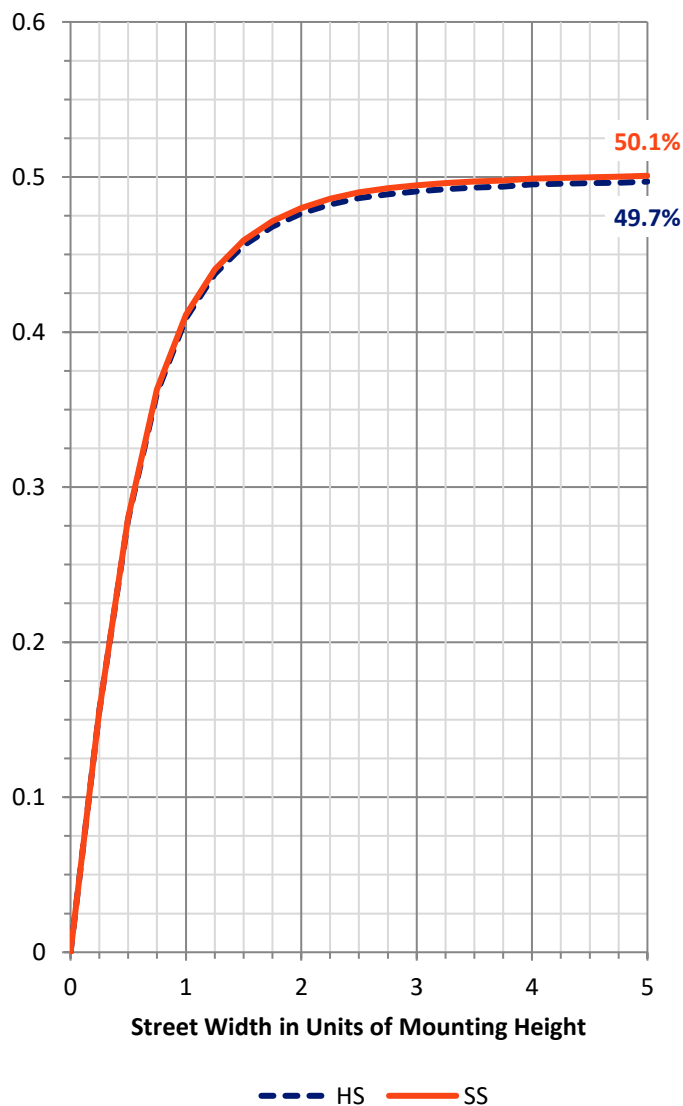
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13492.5	0.0	13492.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13492.5	0.0	13492.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26985.0	0.0	26985.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.5	1.6
10°-20°	1254.6	4.6
20°-30°	2071.3	7.7
30°-40°	3035.0	11.2
40°-50°	4427.1	16.4
50°-60°	5731.6	21.2
60°-70°	6038.7	22.4
70°-80°	3685.6	13.7
80°-90°	318.6	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°	26985.0	100.0
0°-180°	26985.0	100.0

Coefficient of Utilization



REPORT NUMBER: P510003

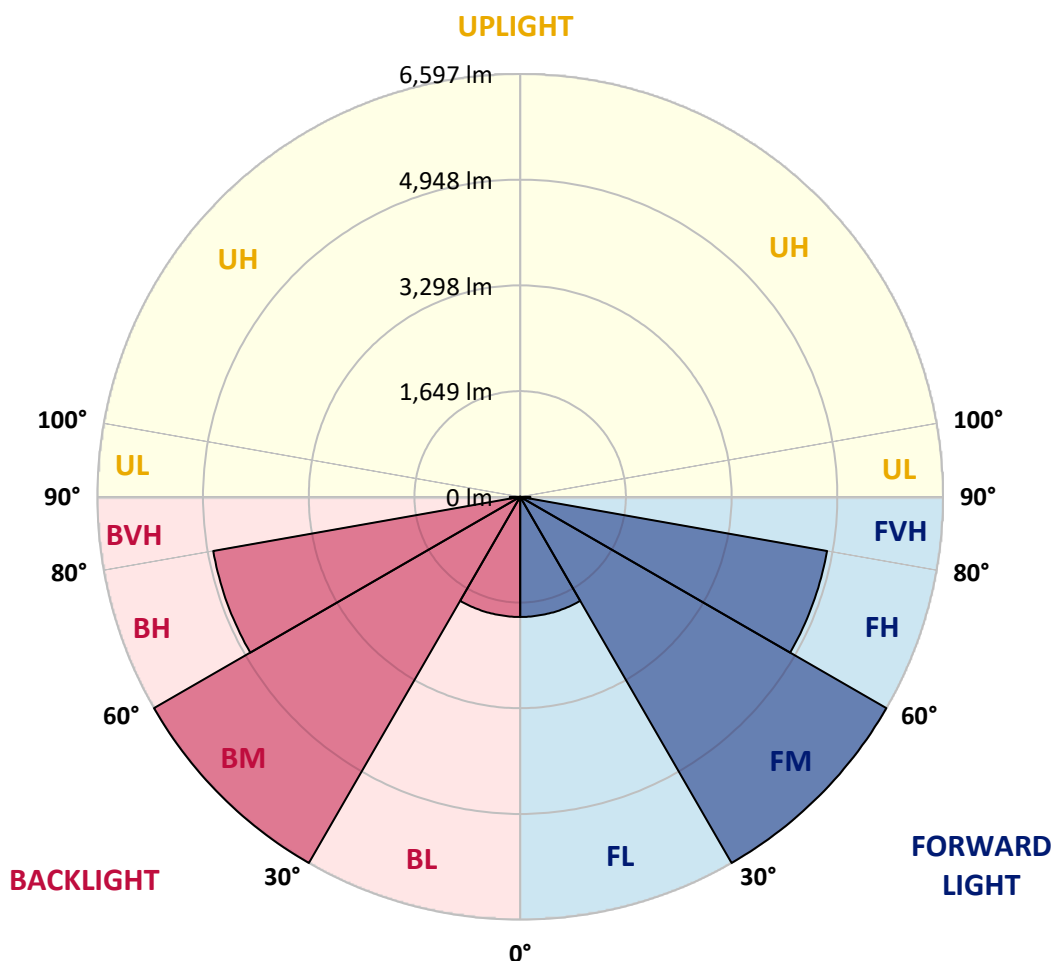
CATALOG NUMBER: VERD-M-CA3-180-760-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1874.2	6.9			
FM	(30°-60°)	6596.9	24.4			
FH	(60°-80°)	4862.1	18.0			G2/5000
FVH	(80°-90°)	159.3	0.6			G2/225
BL	(0°-30°)	1874.2	6.9	B3/2500		
BM	(30°-60°)	6596.9	24.4	B4/8500		
BH	(60°-80°)	4862.1	18.0	B4/5000		G4/5000
BVH	(80°-90°)	159.3	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: P510003

CATALOG NUMBER: VERD-M-CA3-180-760-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4439.6	4439.6	4439.6	4439.6	4439.6	4439.6	4439.6	4439.6	4439.6	4439.6	4439.6
2.5°	4402.9	4438.5	4444.2	4429.3	4430.4	4428.1	4437.3	4440.8	4445.4	4438.5	4435.0
5°	4396.0	4427.0	4432.7	4425.8	4435.0	4432.7	4437.3	4445.4	4444.2	4441.9	4441.9
7.5°	4359.2	4382.2	4400.6	4396.0	4398.3	4413.2	4429.3	4455.7	4468.4	4468.4	4466.1
10°	4310.9	4335.1	4366.1	4359.2	4374.1	4405.2	4437.3	4464.9	4497.1	4504.0	4504.0
12.5°	4259.2	4292.5	4322.4	4329.3	4363.8	4399.4	4458.0	4500.6	4537.3	4553.4	4552.3
15°	4190.2	4219.0	4254.6	4279.9	4335.1	4412.1	4489.1	4554.6	4607.4	4629.3	4632.7
17.5°	4098.3	4129.3	4167.3	4220.1	4316.7	4427.0	4546.5	4635.0	4715.5	4738.4	4738.4
20°	3977.6	4011.0	4056.9	4138.5	4269.5	4441.9	4601.7	4740.7	4845.3	4899.3	4907.4
22.5°	3790.3	3827.1	3901.8	4043.1	4215.5	4439.6	4667.2	4864.9	5022.3	5092.4	5100.5
25°	3582.3	3629.4	3735.1	3921.3	4148.9	4437.3	4732.7	5005.1	5215.4	5323.4	5346.4
27.5°	3398.4	3443.2	3573.1	3802.9	4086.8	4441.9	4798.2	5166.0	5469.4	5624.5	5644.1
30°	3218.0	3258.2	3403.0	3676.5	4029.3	4447.7	4882.1	5351.0	5757.9	5994.6	6041.7
32.5°	3069.7	3109.9	3250.1	3542.1	3959.2	4460.3	4989.0	5598.1	6159.0	6512.9	6542.8
35°	2939.8	2985.8	3108.8	3406.4	3866.2	4478.7	5123.5	5922.2	6733.6	7386.4	7420.9
37.5°	2827.2	2864.0	2973.2	3262.8	3768.5	4482.2	5279.8	6302.6	7476.0	8440.3	8675.9
40°	2752.5	2777.8	2861.7	3130.6	3639.7	4453.4	5459.0	6727.8	8303.5	9664.2	9933.2
42.5°	2684.7	2707.7	2774.3	3008.8	3505.3	4398.3	5625.7	7164.6	9132.1	10914.6	11168.6
45°	2603.1	2621.5	2689.3	2905.4	3374.3	4313.2	5763.6	7569.1	9989.5	12170.8	12409.8
47.5°	2536.4	2550.2	2607.7	2812.3	3228.3	4176.5	5822.2	7935.7	10908.9	13332.7	13629.2
50°	2490.5	2485.9	2536.4	2715.7	3078.9	3985.7	5772.8	8207.0	11877.7	14495.8	14815.3
52.5°	2411.2	2415.8	2464.0	2615.7	2954.8	3750.1	5579.7	8397.7	12852.3	15557.7	15935.8
55°	2329.6	2336.5	2374.4	2511.2	2823.8	3526.0	5222.3	8424.2	13871.7	16667.9	16925.3
57.5°	2242.2	2245.7	2277.9	2398.5	2677.8	3293.8	4771.8	8256.4	14817.6	17686.2	17929.8
60°	2165.2	2166.4	2188.2	2281.3	2515.8	3043.3	4247.7	7919.6	15579.5	18467.7	18864.2
62.5°	2061.8	2061.8	2075.6	2153.7	2350.3	2784.7	3744.3	7397.9	15995.6	19037.7	19326.2
65°	1913.5	1915.8	1929.6	1980.2	2133.0	2503.1	3272.0	6708.3	15970.3	19317.0	19606.6
67.5°	1629.7	1623.9	1706.7	1789.4	1908.9	2218.1	2808.8	6031.4	15391.1	19197.4	19468.7
70°	1180.3	1172.3	1220.5	1337.8	1626.2	1852.6	2387.0	5465.9	13726.9	18750.4	18975.6
72.5°	968.8	973.4	975.7	960.8	1088.4	1499.8	1994.0	4807.4	11326.1	17379.3	18080.4
75°	766.6	755.1	767.7	779.2	813.7	879.2	1613.6	4002.9	9191.9	14572.8	15755.4
77.5°	483.8	476.9	475.8	482.7	527.5	557.4	988.4	2934.1	6395.7	9218.3	9296.5
80°	336.7	335.6	336.7	345.9	360.9	367.8	548.2	1607.8	3220.3	3357.0	3297.3
82.5°	239.0	231.0	224.1	241.3	233.3	226.4	329.8	736.7	868.8	591.9	480.4
85°	118.4	120.7	102.3	129.9	121.8	118.4	128.7	140.2	129.9	242.5	274.7
87.5°	33.3	32.2	35.6	41.4	40.2	46.0	41.4	44.8	52.9	91.9	90.8
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)