

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: P553623

Luminaire Tested: **VERD-G-CA2-160-750-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-160-750-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1460mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24829 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

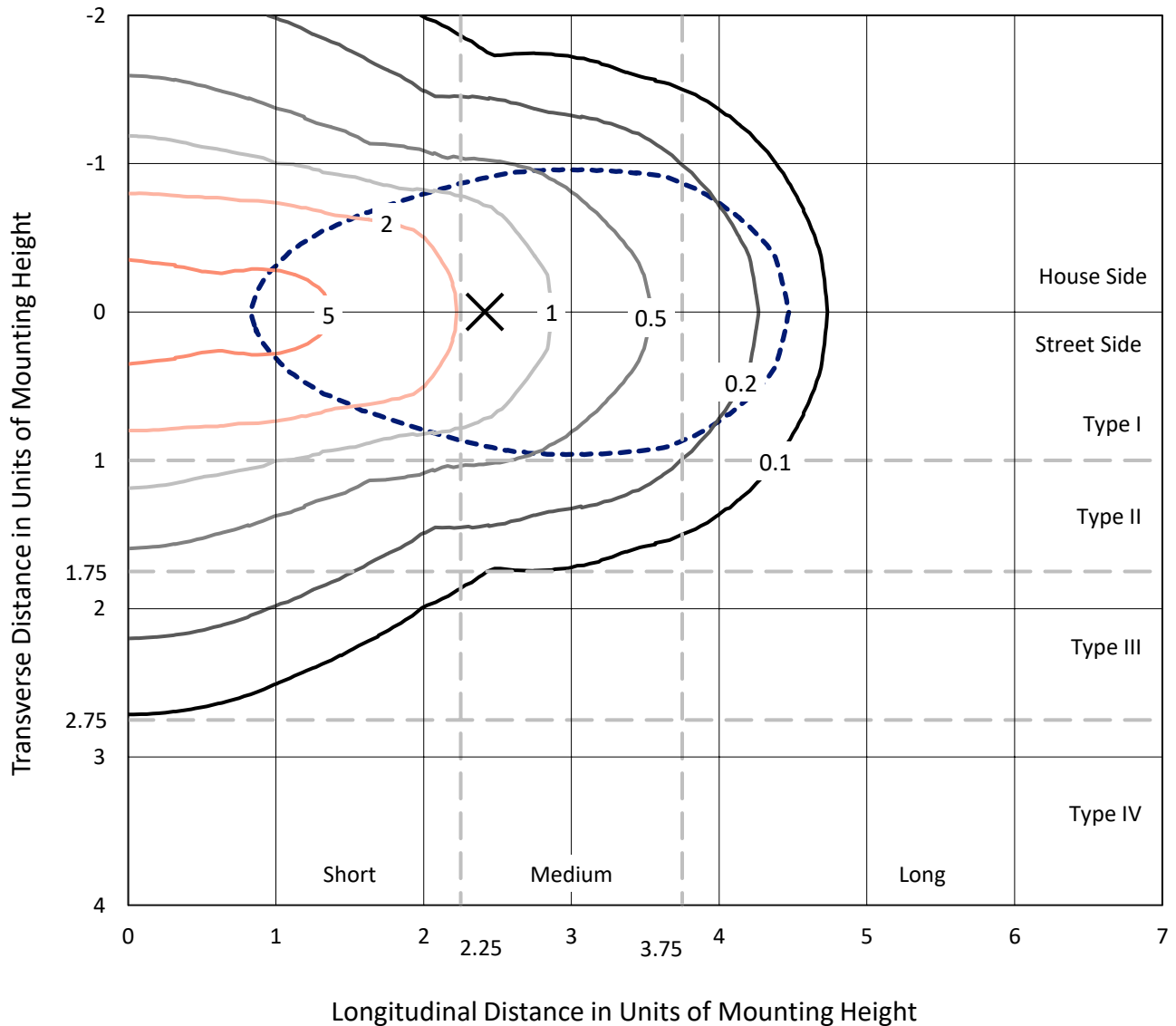
Input Watts (W): 162.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553623
 CATALOG NUMBER: VERD-G-CA2-160-750-U-T1

Iso-Footcandle Lines of Horizontal Illumination

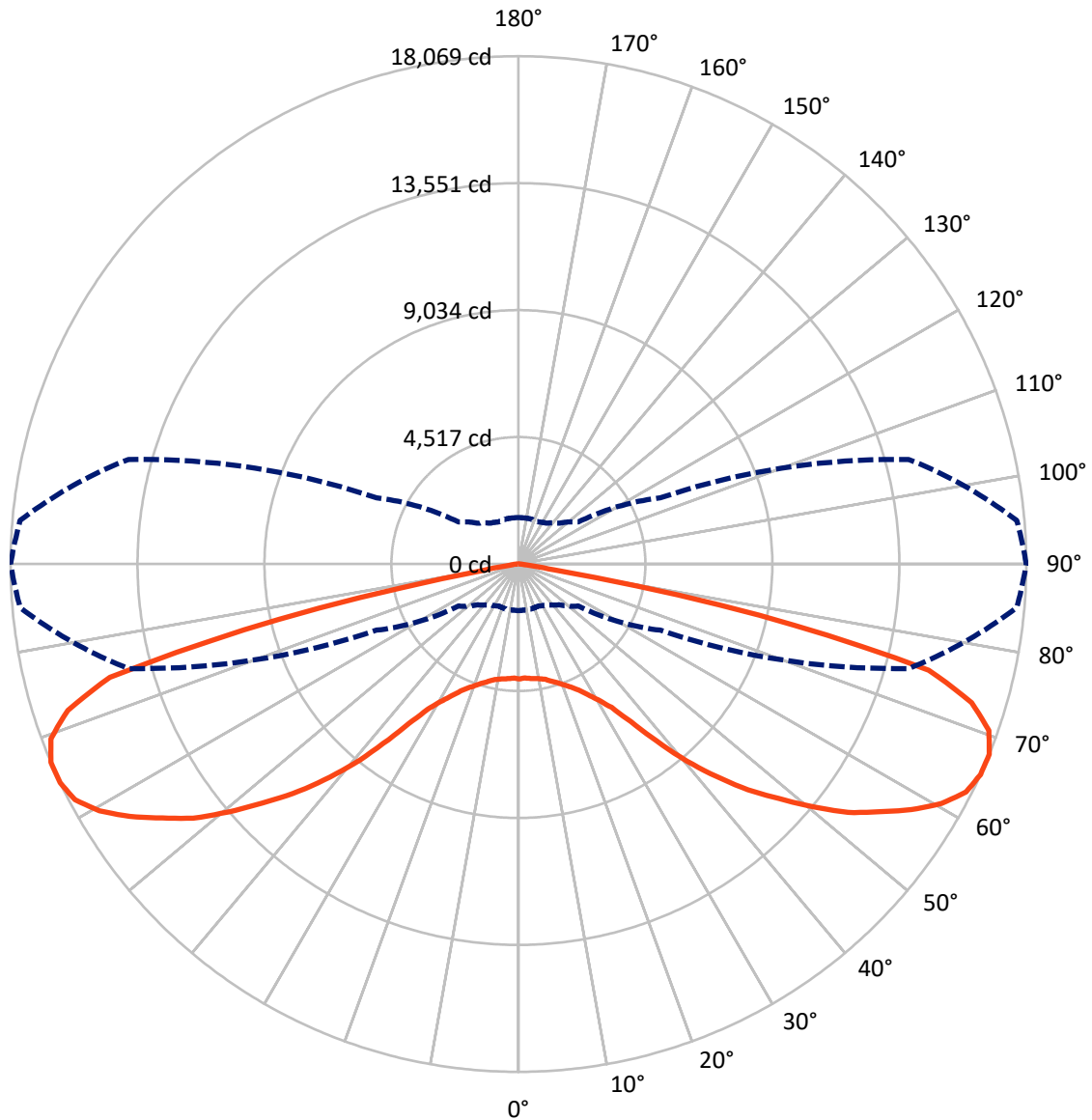
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type I - Short - N/A

REPORT NUMBER: P553623
CATALOG NUMBER: VERD-G-CA2-160-750-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P553623

CATALOG NUMBER: VERD-G-CA2-160-750-U-T1

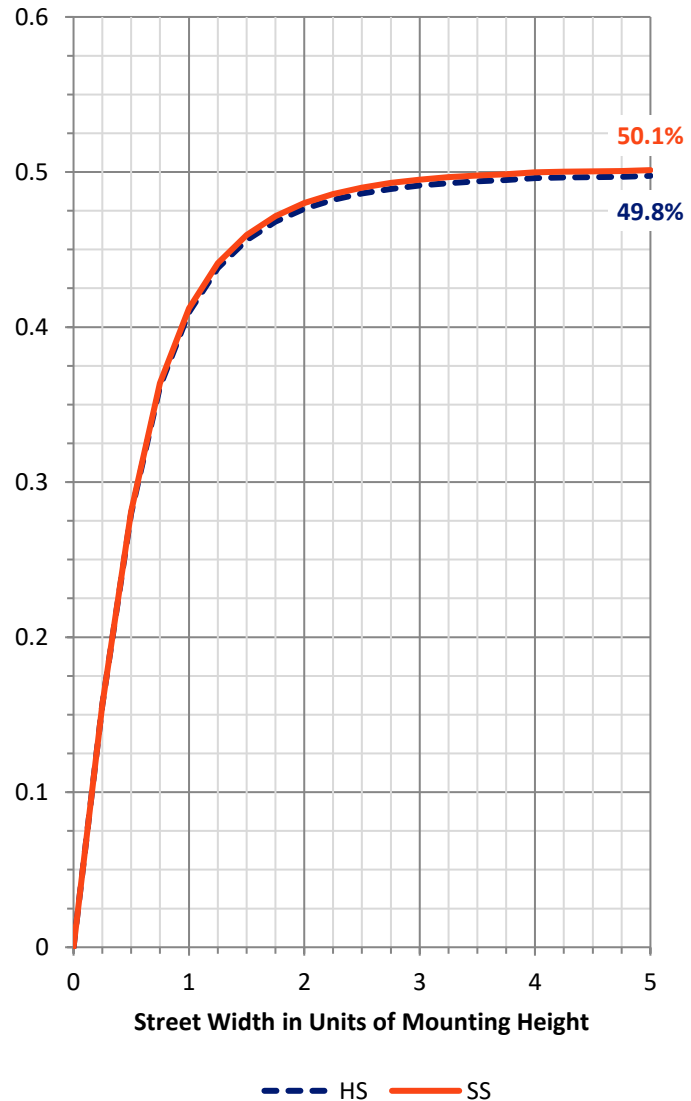
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12414.5	0.0	12414.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12414.5	0.0	12414.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24829.0	0.0	24829.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.8	1.6
10°-20°	1163.6	4.7
20°-30°	1915.8	7.7
30°-40°	2798.2	11.3
40°-50°	4082.5	16.4
50°-60°	5272.5	21.2
60°-70°	5618.1	22.6
70°-80°	3428.3	13.8
80°-90°	159.1	0.6
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°	24829.0	100.0
0°-180°	24829.0	100.0



REPORT NUMBER: P553623

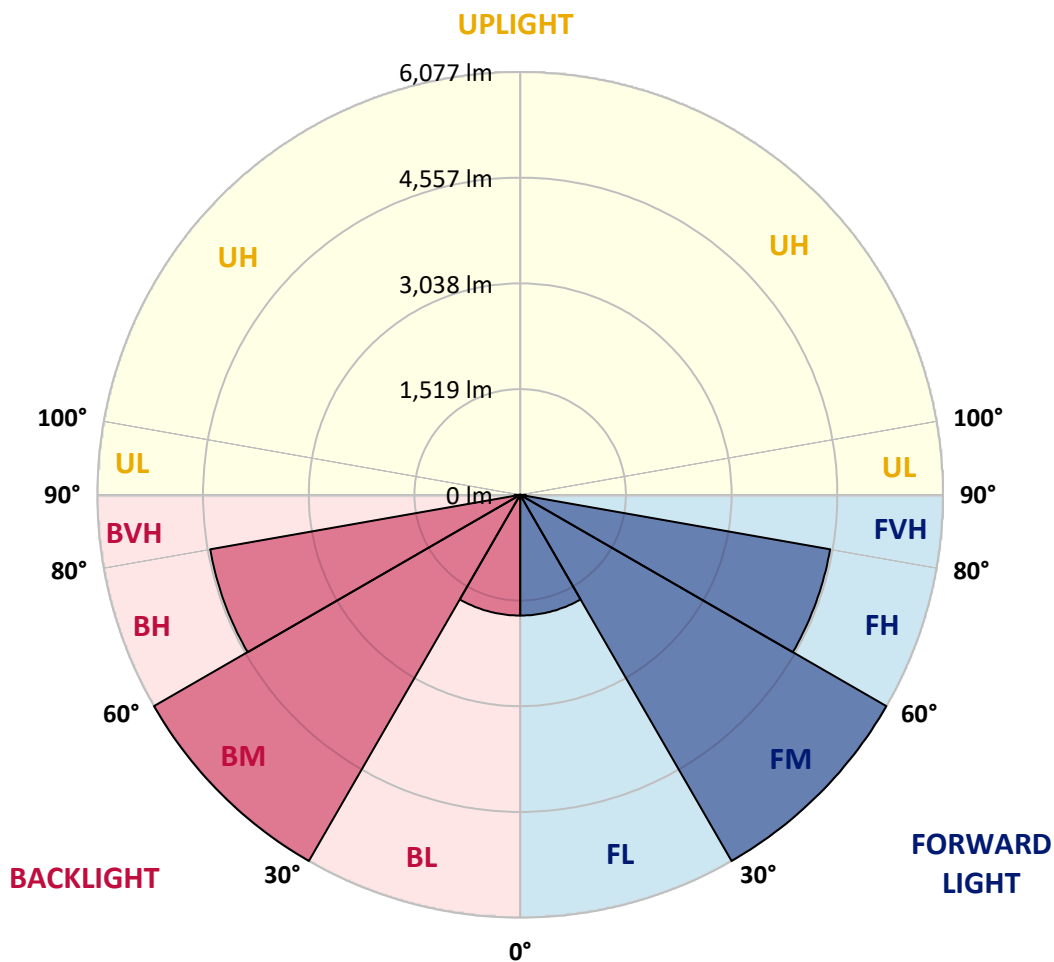
CATALOG NUMBER: VERD-G-CA2-160-750-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1735.1	7.0			
FM (30°-60°)	6076.6	24.5			
FH (60°-80°)	4523.2	18.2			G2/5000
FVH (80°-90°)	79.6	0.3			G1/100
BL (0°-30°)	1735.1	7.0	B3/2500		
BM (30°-60°)	6076.6	24.5	B4/8500		
BH (60°-80°)	4523.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	79.6	0.3			G1/100
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: P553623

CATALOG NUMBER: VERD-G-CA2-160-750-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4090.0	4090.0	4090.0	4090.0	4090.0	4090.0	4090.0	4090.0	4090.0	4090.0	4090.0
2.5°	4122.2	4131.4	4117.6	4100.7	4117.6	4096.1	4067.0	4068.5	4063.9	4068.5	4057.8
5°	4116.0	4116.0	4099.2	4070.1	4106.8	4126.8	4099.2	4088.4	4091.5	4097.6	4088.4
7.5°	4094.6	4083.8	4060.9	4063.9	4090.0	4080.8	4109.9	4122.2	4143.6	4132.9	4114.5
10°	4022.6	4047.1	4022.6	4013.4	4076.2	4068.5	4086.9	4116.0	4152.8	4145.1	4151.3
12.5°	3981.2	3998.0	3985.8	3975.0	4030.2	4088.4	4114.5	4152.8	4197.2	4203.4	4208.0
15°	3930.6	3950.5	3927.5	3936.7	4028.7	4103.8	4166.6	4226.4	4301.4	4310.6	4316.8
17.5°	3844.8	3867.8	3832.5	3890.8	4005.7	4116.0	4227.9	4319.8	4399.5	4430.2	4430.2
20°	3716.1	3732.9	3736.0	3791.2	3942.9	4122.2	4276.9	4404.1	4509.9	4568.1	4584.9
22.5°	3527.6	3549.0	3587.3	3690.0	3889.2	4103.8	4318.3	4496.1	4669.2	4725.9	4748.9
25°	3351.4	3363.6	3432.6	3590.4	3829.5	4102.2	4375.0	4632.4	4839.3	4955.8	4965.0
27.5°	3181.3	3185.9	3290.1	3472.4	3760.5	4116.0	4445.5	4784.2	5096.8	5225.5	5268.4
30°	3012.7	3026.5	3120.0	3352.9	3702.3	4109.9	4506.8	4948.1	5352.7	5573.3	5616.2
32.5°	2864.1	2885.5	2991.2	3216.5	3630.3	4114.5	4600.3	5167.3	5692.9	6062.2	6083.6
35°	2736.9	2753.7	2859.5	3087.8	3556.7	4131.4	4722.9	5450.7	6230.7	6776.3	6882.0
37.5°	2629.6	2643.4	2755.3	2963.7	3470.9	4128.3	4871.5	5786.3	6900.4	7795.3	7996.1
40°	2560.6	2576.0	2651.1	2856.4	3365.2	4106.8	5020.1	6207.8	7645.1	8990.6	9215.9
42.5°	2493.2	2511.6	2565.2	2756.8	3241.0	4050.1	5168.8	6600.0	8437.4	10120.0	10342.2
45°	2428.9	2435.0	2503.9	2663.3	3103.1	3972.0	5314.4	6951.0	9234.2	11238.6	11453.2
47.5°	2373.7	2373.7	2425.8	2579.0	2979.0	3854.0	5371.1	7300.4	9982.1	12334.3	12466.1
50°	2340.0	2323.1	2355.3	2476.4	2841.1	3660.9	5337.4	7574.7	10857.1	13385.5	13581.7
52.5°	2257.2	2251.1	2275.6	2390.5	2727.7	3472.4	5184.1	7711.0	11797.9	14291.2	14688.1
55°	2171.4	2169.9	2192.9	2287.9	2597.4	3244.1	4827.1	7750.9	12683.7	15291.8	15563.1
57.5°	2085.6	2073.3	2099.4	2194.4	2458.0	3047.9	4436.3	7563.9	13548.0	16260.3	16485.6
60°	2013.6	2004.4	2019.7	2090.2	2315.5	2801.2	3970.4	7300.4	14315.7	17037.2	17297.7
62.5°	1910.9	1912.4	1921.6	1970.7	2162.2	2568.3	3507.7	6834.5	14787.7	17621.1	17869.3
65°	1788.3	1783.7	1803.6	1826.6	1969.1	2313.9	3038.7	6160.2	14894.9	17903.0	18063.9
67.5°	1656.5	1650.4	1661.1	1651.9	1771.5	2050.4	2603.5	5570.3	14369.3	17797.3	18068.5
70°	1494.1	1494.1	1488.0	1455.8	1541.6	1730.1	2214.3	5061.5	12939.6	17460.2	17754.4
72.5°	1221.3	1224.4	1248.9	1225.9	1276.5	1399.1	1861.9	4480.7	10625.7	16396.7	16856.4
75°	750.9	750.9	770.8	853.5	996.1	1063.5	1507.9	3759.0	8612.1	14023.0	15081.9
77.5°	386.2	389.2	400.0	427.5	453.6	522.5	847.4	2523.9	5463.0	8287.2	8762.3
80°	110.3	114.9	257.4	289.6	306.5	318.7	387.7	856.6	1396.0	1354.6	1279.6
82.5°	73.6	76.6	150.2	176.2	160.9	131.8	160.9	251.3	209.9	263.6	286.6
85°	38.3	41.4	62.8	69.0	69.0	79.7	73.6	75.1	84.3	160.9	179.3
87.5°	18.4	19.9	26.1	32.2	33.7	38.3	36.8	38.3	42.9	65.9	72.0
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)