

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: P509619

Luminaire Tested: **VERD-G-CA2-130-760-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509619  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/6/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-130-760-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1200mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20021 lumens  
Efficiency: N/A  
Efficacy: 149.5 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

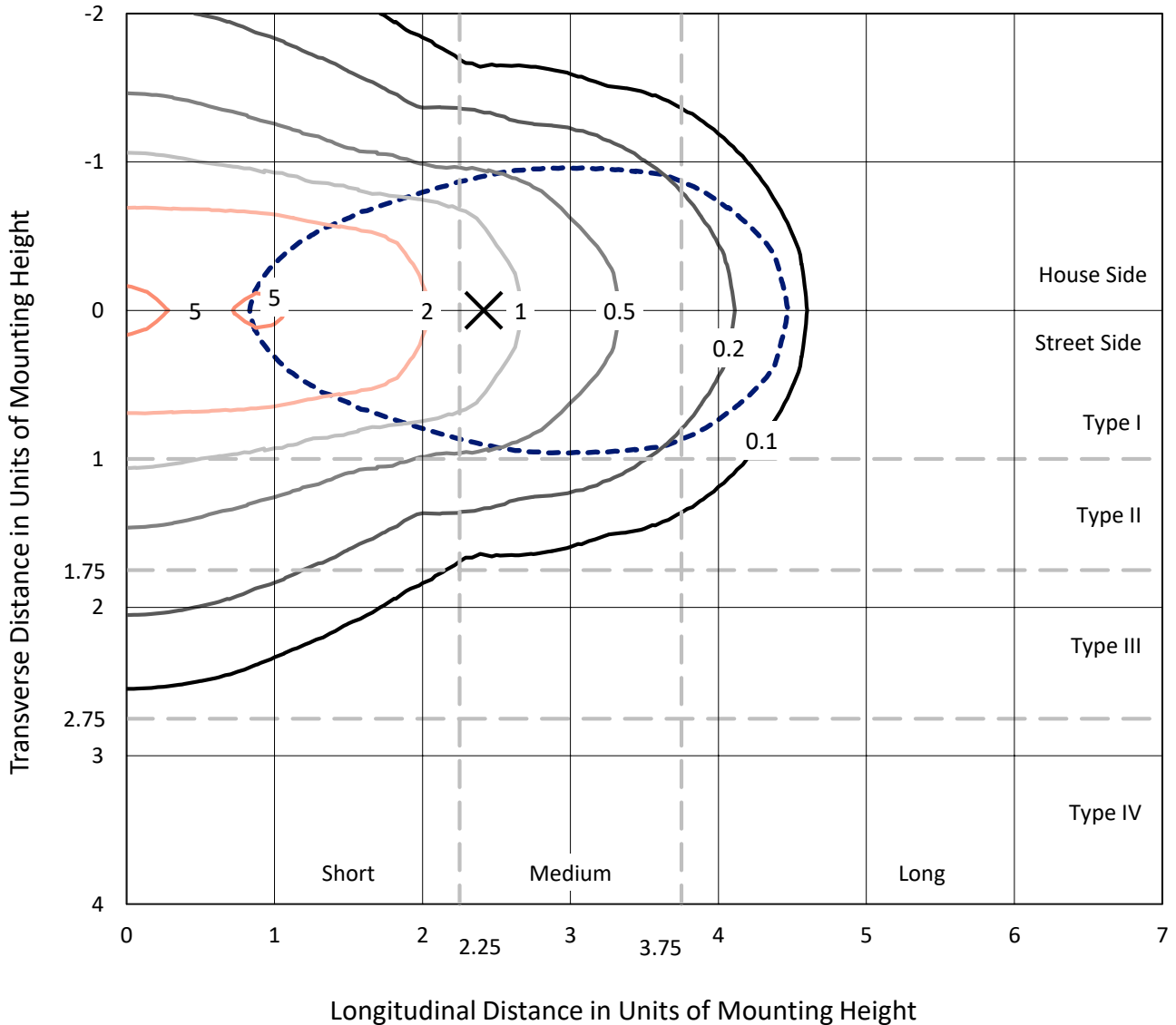
Input Watts (W): 133.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P509619  
 CATALOG NUMBER: VERD-G-CA2-130-760-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

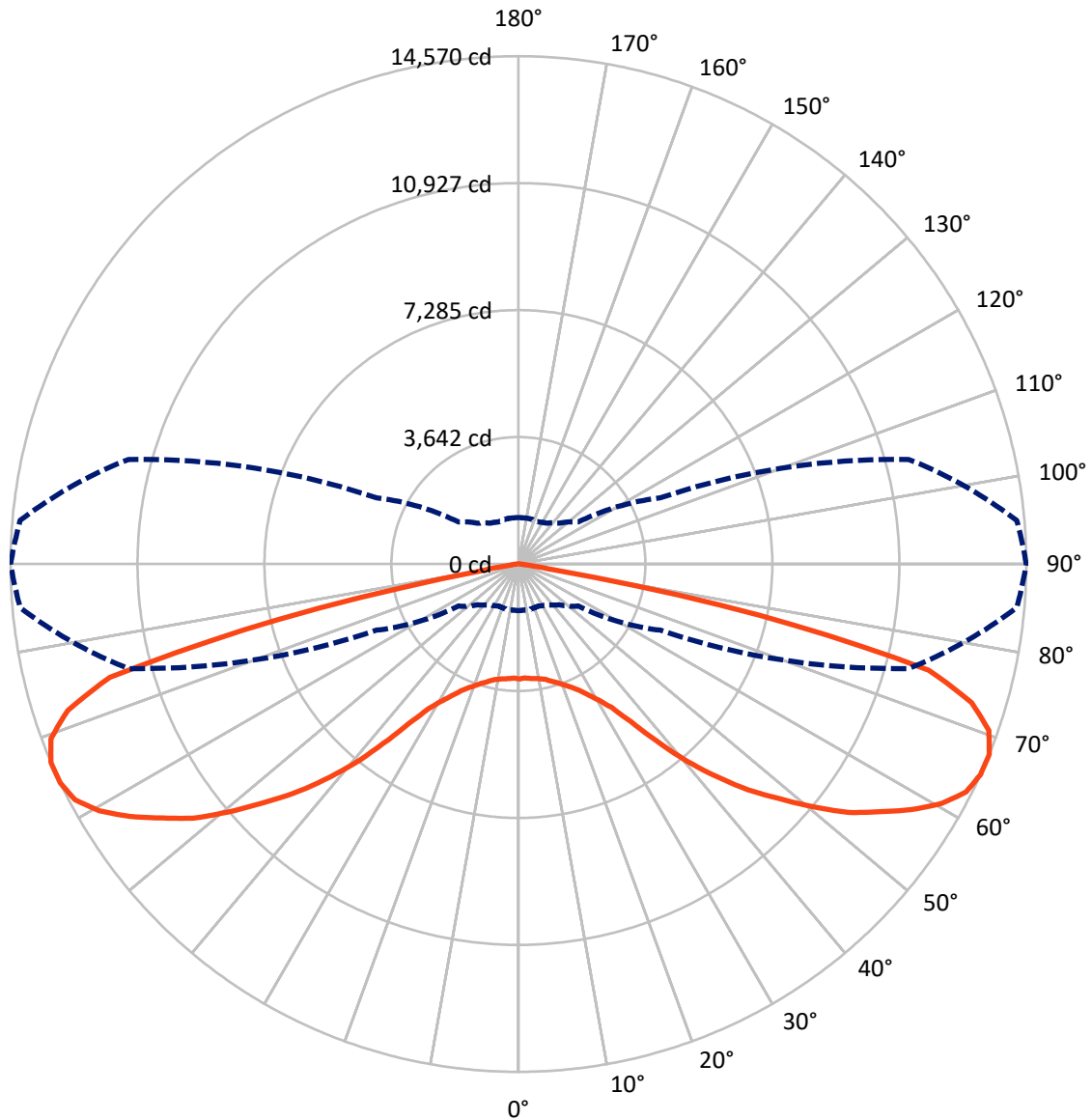
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type I - Short - N/A

REPORT NUMBER: P509619  
CATALOG NUMBER: VERD-G-CA2-130-760-U-T1

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P509619

CATALOG NUMBER: VERD-G-CA2-130-760-U-T1

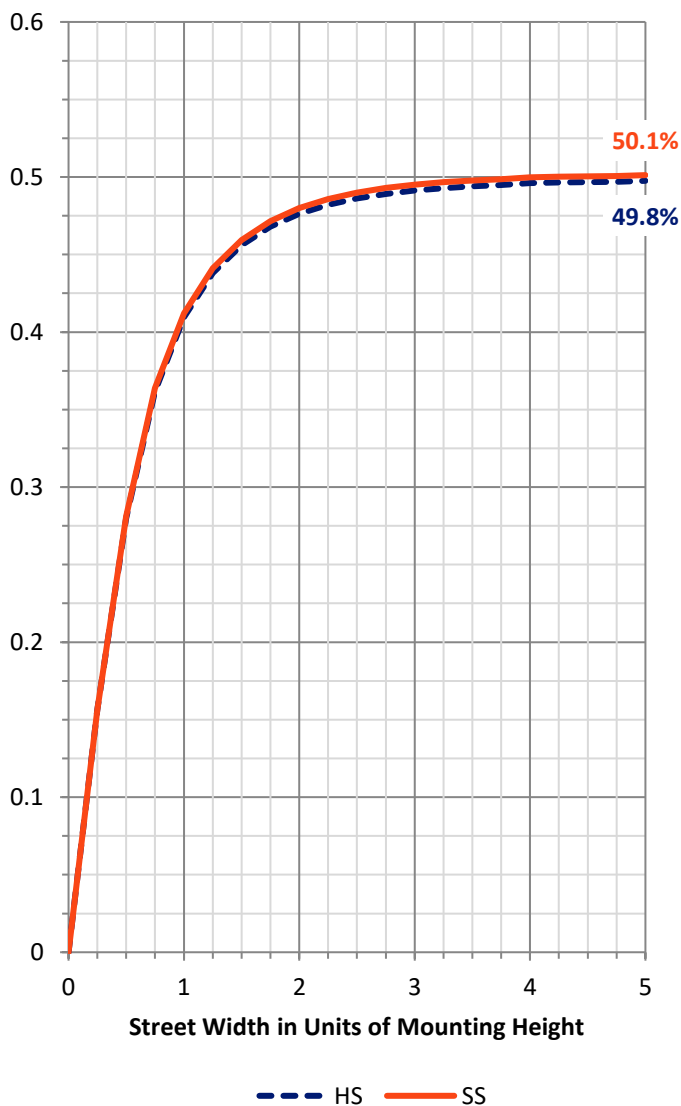
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10010.5	0.0	10010.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10010.5	0.0	10010.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20021.0	0.0	20021.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.1	1.6
10°-20°	938.3	4.7
20°-30°	1544.8	7.7
30°-40°	2256.3	11.3
40°-50°	3292.0	16.4
50°-60°	4251.5	21.2
60°-70°	4530.2	22.6
70°-80°	2764.5	13.8
80°-90°	128.3	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°	20021.0	100.0
0°-180°	20021.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P509619

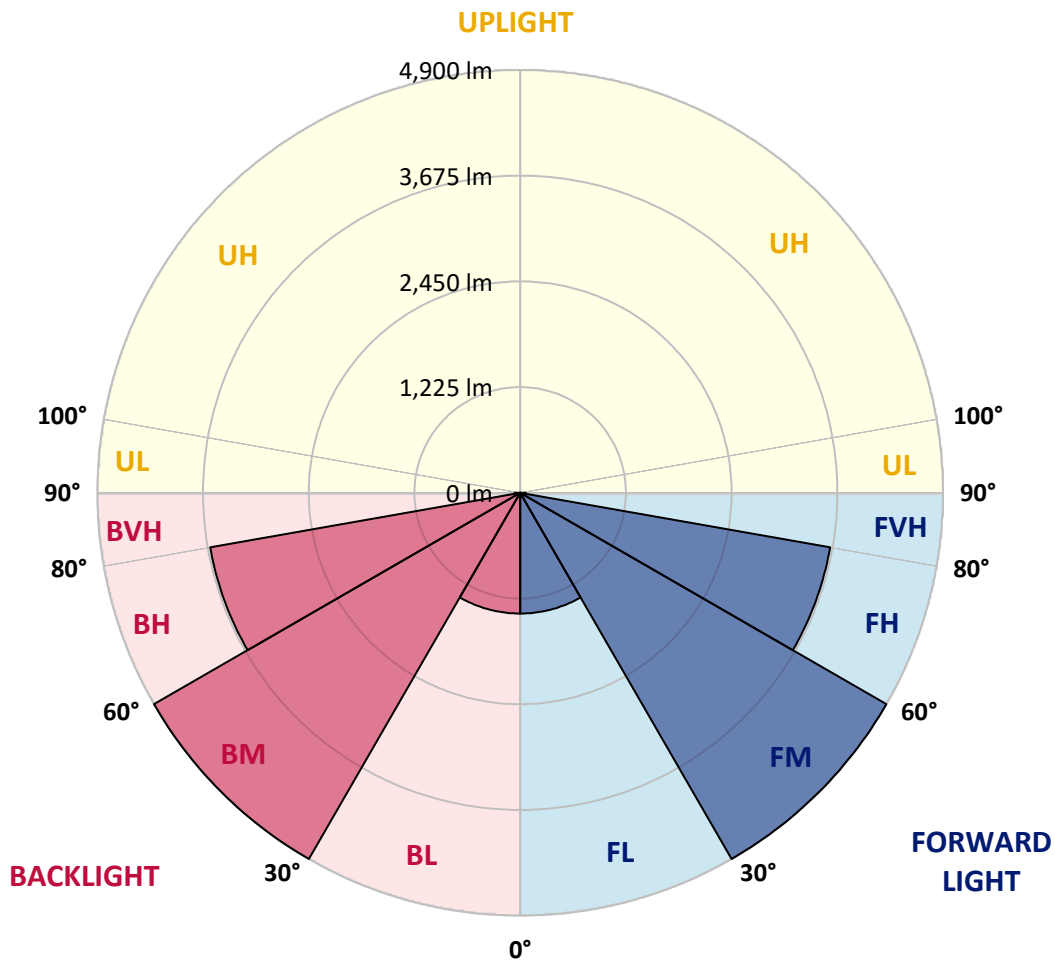
CATALOG NUMBER: VERD-G-CA2-130-760-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1399.1	7.0			
FM (30°-60°)	4899.9	24.5			
FH (60°-80°)	3647.3	18.2			G2/5000
FVH (80°-90°)	64.2	0.3			G1/100
BL (0°-30°)	1399.1	7.0	B3/2500		
BM (30°-60°)	4899.9	24.5	B3/5000		
BH (60°-80°)	3647.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	64.2	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: P509619  
 CATALOG NUMBER: VERD-G-CA2-130-760-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0
2.5°	3323.9	3331.3	3320.2	3306.6	3320.2	3302.9	3279.4	3280.7	3277.0	3280.7	3272.0
5°	3319.0	3319.0	3305.4	3281.9	3311.6	3327.6	3305.4	3296.7	3299.2	3304.2	3296.7
7.5°	3301.7	3293.0	3274.5	3277.0	3298.0	3290.6	3314.0	3323.9	3341.2	3332.6	3317.7
10°	3243.6	3263.4	3243.6	3236.2	3286.9	3280.7	3295.5	3319.0	3348.6	3342.5	3347.4
12.5°	3210.2	3223.8	3213.9	3205.3	3249.8	3296.7	3317.7	3348.6	3384.5	3389.4	3393.1
15°	3169.5	3185.5	3167.0	3174.4	3248.5	3309.1	3359.8	3407.9	3468.5	3475.9	3480.9
17.5°	3100.3	3118.8	3090.4	3137.3	3230.0	3319.0	3409.2	3483.3	3547.6	3572.3	3572.3
20°	2996.5	3010.1	3012.5	3057.0	3179.4	3323.9	3448.7	3551.3	3636.5	3683.5	3697.1
22.5°	2844.5	2861.8	2892.7	2975.5	3136.1	3309.1	3482.1	3625.4	3765.1	3810.8	3829.3
25°	2702.4	2712.3	2767.9	2895.1	3087.9	3307.9	3527.8	3735.4	3902.2	3996.1	4003.5
27.5°	2565.2	2568.9	2653.0	2800.0	3032.3	3319.0	3584.6	3857.7	4109.8	4213.6	4248.2
30°	2429.3	2440.4	2515.8	2703.6	2985.4	3314.0	3634.1	3989.9	4316.2	4494.1	4528.7
32.5°	2309.4	2326.7	2412.0	2593.6	2927.3	3317.7	3709.4	4166.6	4590.5	4888.3	4905.6
35°	2206.9	2220.5	2305.7	2489.9	2868.0	3331.3	3808.3	4395.2	5024.2	5464.1	5549.3
37.5°	2120.4	2131.5	2221.7	2389.8	2798.8	3328.9	3928.2	4665.8	5564.2	6285.8	6447.7
40°	2064.8	2077.1	2137.7	2303.3	2713.5	3311.6	4048.0	5005.7	6164.7	7249.6	7431.3
42.5°	2010.4	2025.2	2068.5	2223.0	2613.4	3265.8	4167.9	5322.0	6803.5	8160.3	8339.5
45°	1958.5	1963.5	2019.1	2147.6	2502.2	3202.8	4285.3	5605.0	7446.1	9062.3	9235.3
47.5°	1914.0	1914.0	1956.0	2079.6	2402.1	3107.7	4331.0	5886.7	8049.1	9945.8	10052.1
50°	1886.9	1873.3	1899.2	1996.8	2290.9	2952.0	4303.8	6107.9	8754.6	10793.5	10951.6
52.5°	1820.1	1815.2	1835.0	1927.6	2199.5	2800.0	4180.2	6217.8	9513.3	11523.8	11843.8
55°	1750.9	1749.7	1768.2	1844.8	2094.4	2615.9	3892.3	6250.0	10227.6	12330.6	12549.4
57.5°	1681.7	1671.8	1692.9	1769.5	1982.0	2457.7	3577.2	6099.2	10924.5	13111.6	13293.2
60°	1623.7	1616.2	1628.6	1685.4	1867.1	2258.8	3201.6	5886.7	11543.5	13738.1	13948.1
62.5°	1540.9	1542.1	1549.5	1589.1	1743.5	2071.0	2828.4	5511.0	11924.1	14208.8	14409.0
65°	1442.0	1438.3	1454.4	1472.9	1587.8	1865.8	2450.3	4967.4	12010.6	14436.2	14566.0
67.5°	1335.7	1330.8	1339.5	1332.0	1428.4	1653.3	2099.4	4491.6	11586.8	14350.9	14569.7
70°	1204.8	1204.8	1199.8	1173.9	1243.1	1395.1	1785.5	4081.4	10433.9	14079.1	14316.3
72.5°	984.8	987.3	1007.1	988.5	1029.3	1128.2	1501.3	3613.1	8568.1	13221.6	13592.3
75°	605.5	605.5	621.5	688.3	803.2	857.5	1215.9	3031.1	6944.4	11307.5	12161.4
77.5°	311.4	313.9	322.5	344.7	365.8	421.4	683.3	2035.1	4405.1	6682.4	7065.5
80°	89.0	92.7	207.6	233.5	247.1	257.0	312.6	690.7	1125.7	1092.3	1031.8
82.5°	59.3	61.8	121.1	142.1	129.7	106.3	129.7	202.6	169.3	212.5	231.1
85°	30.9	33.4	50.7	55.6	55.6	64.3	59.3	60.5	68.0	129.7	144.6
87.5°	14.8	16.1	21.0	25.9	27.2	30.9	29.7	30.9	34.6	53.1	58.1
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)