

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: P553495

Luminaire Tested: **VERD-G-CA2-140-722-U-T1**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553495  
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-CA2-140-722-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 1290mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17920 lumens  
Efficiency: N/A  
Efficacy: 125.8 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

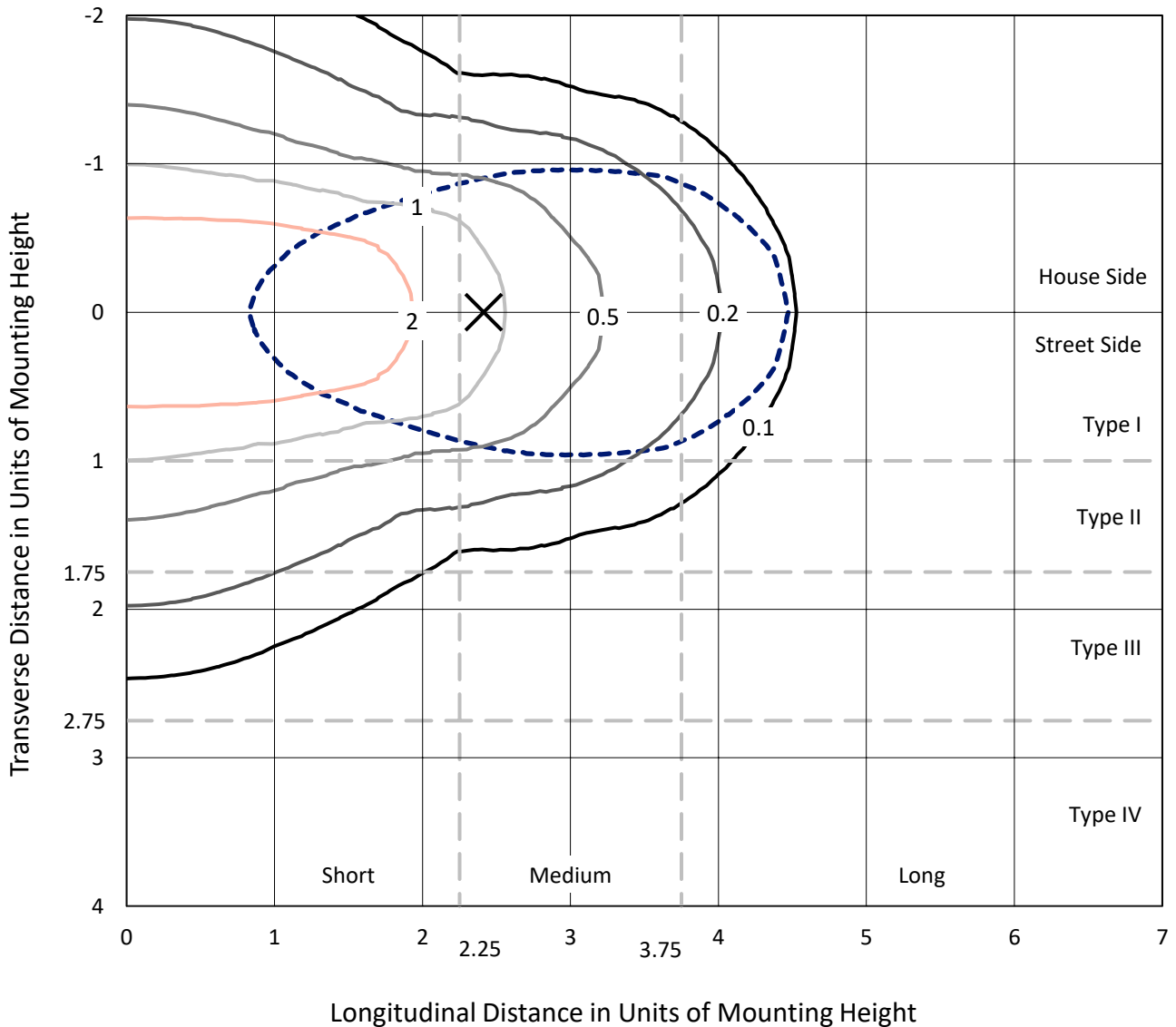
Input Watts (W): 142.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P553495  
 CATALOG NUMBER: VERD-G-CA2-140-722-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

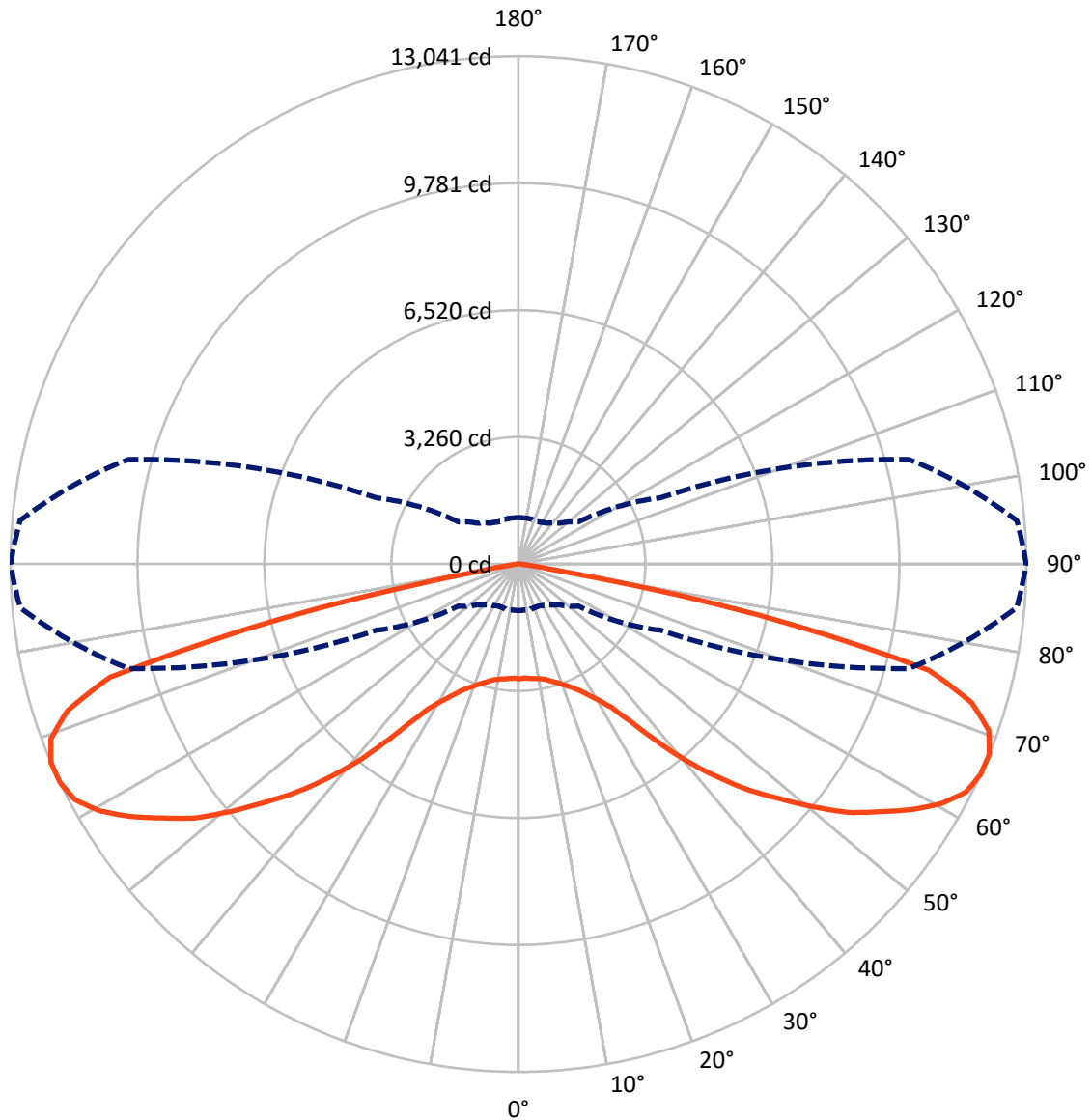
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type I - Short - N/A

REPORT NUMBER: P553495  
CATALOG NUMBER: VERD-G-CA2-140-722-U-T1

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P553495

CATALOG NUMBER: VERD-G-CA2-140-722-U-T1

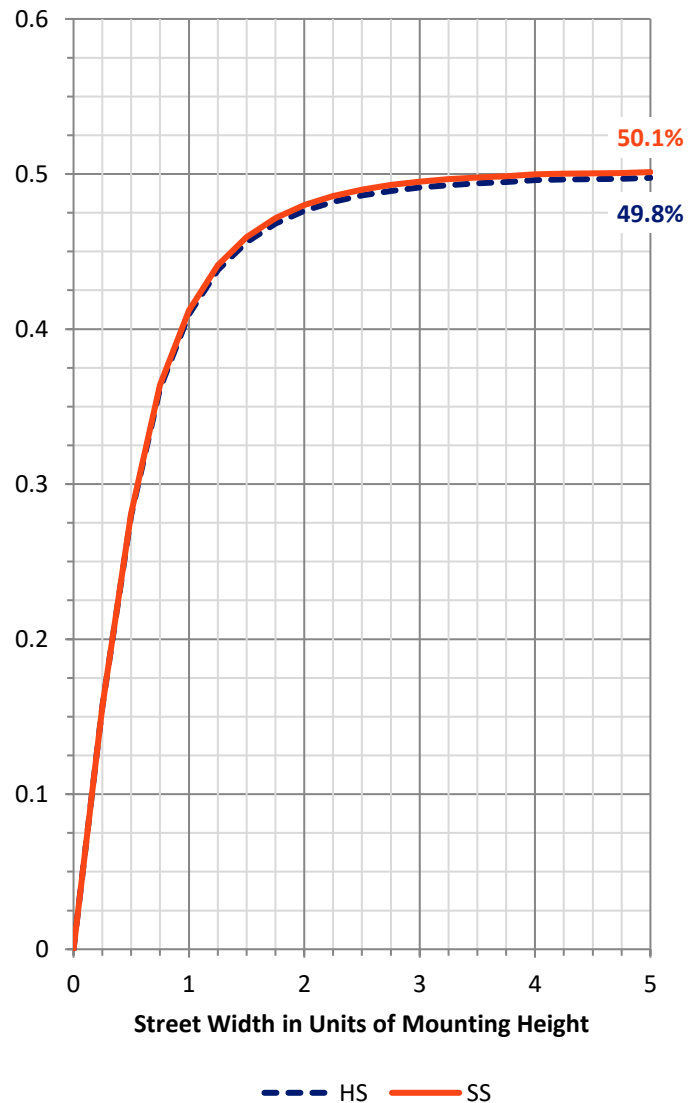
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8960.0	0.0	8960.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8960.0	0.0	8960.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17920.0	0.0	17920.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.0	1.6
10°-20°	839.8	4.7
20°-30°	1382.7	7.7
30°-40°	2019.6	11.3
40°-50°	2946.5	16.4
50°-60°	3805.4	21.2
60°-70°	4054.8	22.6
70°-80°	2474.4	13.8
80°-90°	114.8	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°	17920.0	100.0
0°-180°	17920.0	100.0



REPORT NUMBER: P553495

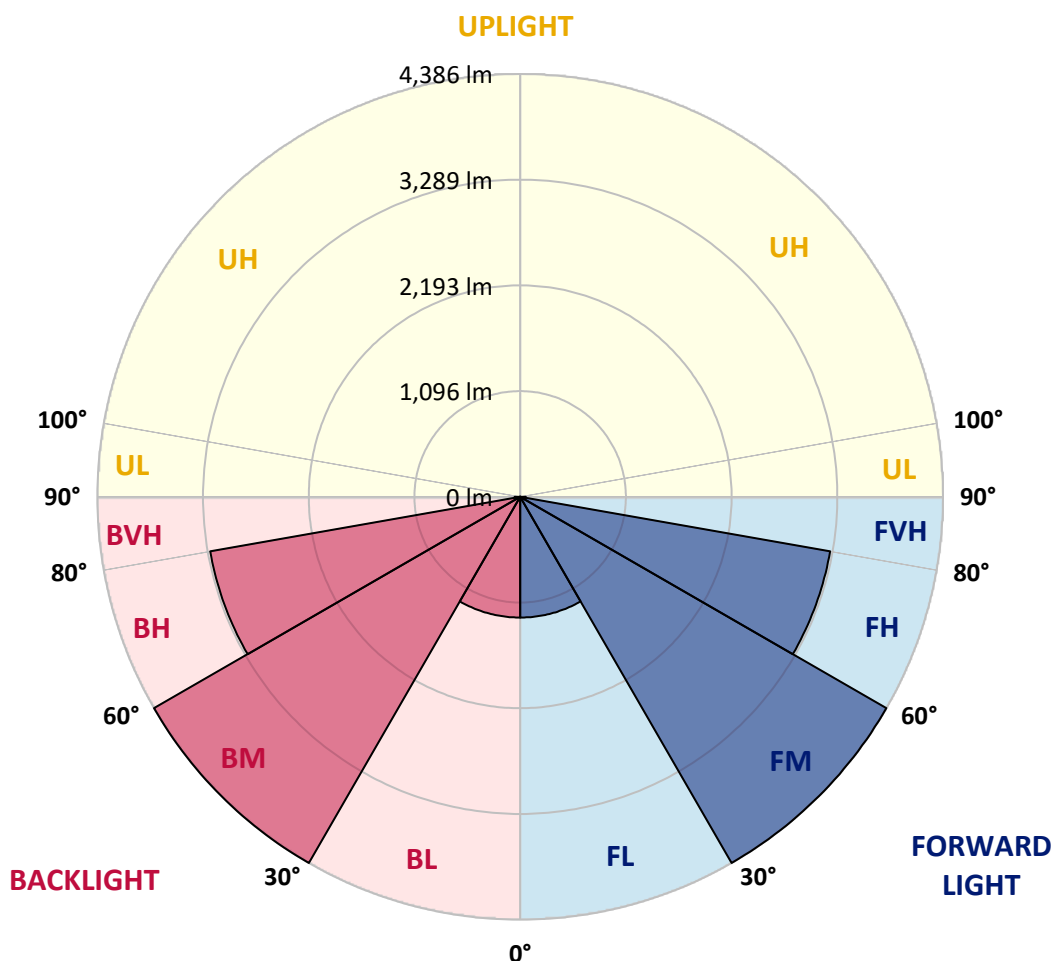
CATALOG NUMBER: VERD-G-CA2-140-722-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1252.3	7.0			
FM (30°-60°)	4385.7	24.5			
FH (60°-80°)	3264.6	18.2			G2/5000
FVH (80°-90°)	57.4	0.3			G1/100
BL (0°-30°)	1252.3	7.0	B3/2500		
BM (30°-60°)	4385.7	24.5	B3/5000		
BH (60°-80°)	3264.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	57.4	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: P553495  
 CATALOG NUMBER: VERD-G-CA2-140-722-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2951.9	2951.9	2951.9	2951.9	2951.9	2951.9	2951.9	2951.9	2951.9	2951.9	2951.9
2.5°	2975.1	2981.7	2971.8	2959.6	2971.8	2956.3	2935.3	2936.4	2933.1	2936.4	2928.7
5°	2970.7	2970.7	2958.5	2937.5	2964.1	2978.4	2958.5	2950.8	2953.0	2957.4	2950.8
7.5°	2955.2	2947.5	2930.9	2933.1	2951.9	2945.2	2966.3	2975.1	2990.6	2982.9	2969.6
10°	2903.2	2920.9	2903.2	2896.6	2941.9	2936.4	2949.7	2970.7	2997.2	2991.7	2996.1
12.5°	2873.4	2885.5	2876.7	2868.9	2908.8	2950.8	2969.6	2997.2	3029.3	3033.7	3037.0
15°	2836.9	2851.2	2834.7	2841.3	2907.6	2961.8	3007.2	3050.3	3104.5	3111.1	3115.6
17.5°	2774.9	2791.5	2766.1	2808.1	2891.1	2970.7	3051.4	3117.8	3175.3	3197.4	3197.4
20°	2682.0	2694.2	2696.4	2736.2	2845.7	2975.1	3086.8	3178.6	3254.9	3297.0	3309.1
22.5°	2546.0	2561.5	2589.1	2663.2	2807.0	2961.8	3116.7	3245.0	3369.9	3410.9	3427.5
25°	2418.8	2427.6	2477.4	2591.3	2763.9	2960.7	3157.6	3343.4	3492.7	3576.8	3583.4
27.5°	2296.0	2299.4	2374.6	2506.2	2714.1	2970.7	3208.5	3452.9	3678.5	3771.4	3802.4
30°	2174.4	2184.3	2251.8	2419.9	2672.1	2966.3	3252.7	3571.2	3863.2	4022.5	4053.5
32.5°	2067.1	2082.6	2158.9	2321.5	2620.1	2969.6	3320.2	3729.4	4108.8	4375.3	4390.8
35°	1975.3	1987.5	2063.8	2228.6	2567.0	2981.7	3408.7	3934.0	4497.0	4890.7	4967.0
37.5°	1897.9	1907.8	1988.6	2139.0	2505.1	2979.5	3515.9	4176.2	4980.3	5626.2	5771.1
40°	1848.1	1859.2	1913.4	2061.6	2428.8	2964.1	3623.2	4480.4	5517.8	6488.8	6651.4
42.5°	1799.4	1812.7	1851.4	1989.7	2339.2	2923.1	3730.5	4763.5	6089.6	7304.0	7464.3
45°	1753.0	1757.4	1807.2	1922.2	2239.6	2866.7	3835.6	5016.8	6664.7	8111.3	8266.2
47.5°	1713.2	1713.2	1750.8	1861.4	2150.0	2781.6	3876.5	5268.9	7204.4	8902.1	8997.2
50°	1688.8	1676.7	1699.9	1787.3	2050.5	2642.2	3852.2	5466.9	7835.9	9660.8	9802.4
52.5°	1629.1	1624.7	1642.4	1725.3	1968.7	2506.2	3741.6	5565.3	8515.0	10314.5	10600.9
55°	1567.2	1566.1	1582.7	1651.2	1874.7	2341.4	3483.9	5594.1	9154.3	11036.7	11232.4
57.5°	1505.3	1496.4	1515.2	1583.8	1774.0	2199.8	3201.8	5459.2	9778.1	11735.7	11898.2
60°	1453.3	1446.6	1457.7	1508.6	1671.2	2021.7	2865.6	5268.9	10332.2	12296.4	12484.4
62.5°	1379.2	1380.3	1386.9	1422.3	1560.6	1853.6	2531.6	4932.7	10672.8	12717.8	12896.9
65°	1290.7	1287.4	1301.7	1318.3	1421.2	1670.0	2193.2	4446.1	10750.2	12921.3	13037.4
67.5°	1195.6	1191.2	1198.9	1192.3	1278.5	1479.8	1879.1	4020.3	10370.9	12845.0	13040.7
70°	1078.3	1078.3	1073.9	1050.7	1112.6	1248.7	1598.2	3653.1	9339.0	12601.6	12814.0
72.5°	881.5	883.7	901.4	884.8	921.3	1009.8	1343.8	3233.9	7668.9	11834.1	12165.9
75°	541.9	541.9	556.3	616.0	718.9	767.6	1088.3	2713.0	6215.7	10120.9	10885.1
77.5°	278.7	280.9	288.7	308.6	327.4	377.1	611.6	1821.6	3942.9	5981.2	6324.0
80°	79.6	82.9	185.8	209.0	221.2	230.0	279.8	618.2	1007.6	977.7	923.5
82.5°	53.1	55.3	108.4	127.2	116.1	95.1	116.1	181.4	151.5	190.2	206.8
85°	27.6	29.9	45.3	49.8	49.8	57.5	53.1	54.2	60.8	116.1	129.4
87.5°	13.3	14.4	18.8	23.2	24.3	27.6	26.5	27.6	31.0	47.6	52.0
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)