

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: P509499

Luminaire Tested: **VERD-G-CA2-110-730-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509499  
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-CA2-110-730-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1020mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17295 lumens  
Efficiency: N/A  
Efficacy: 152.8 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

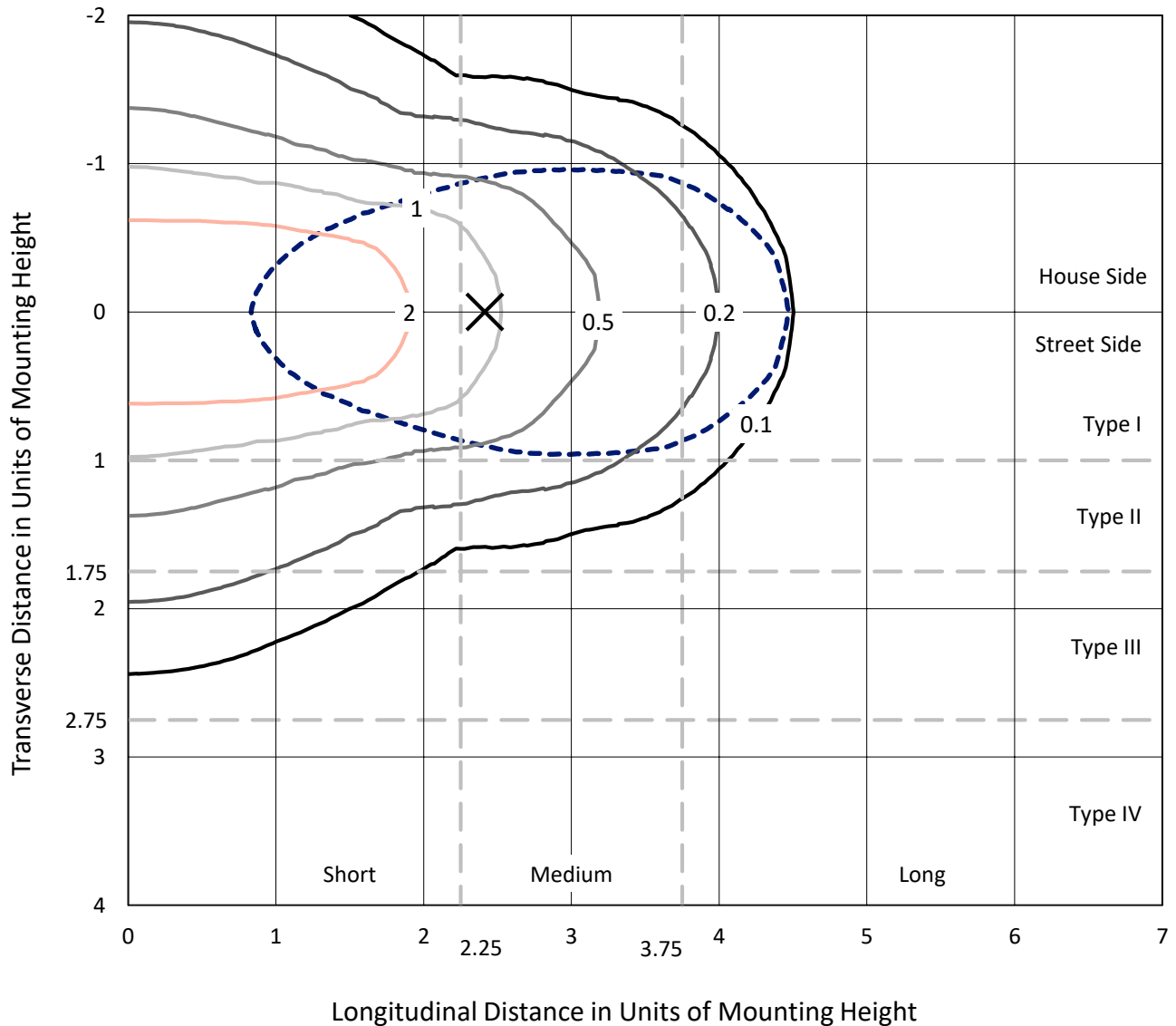
Input Watts (W): 113.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

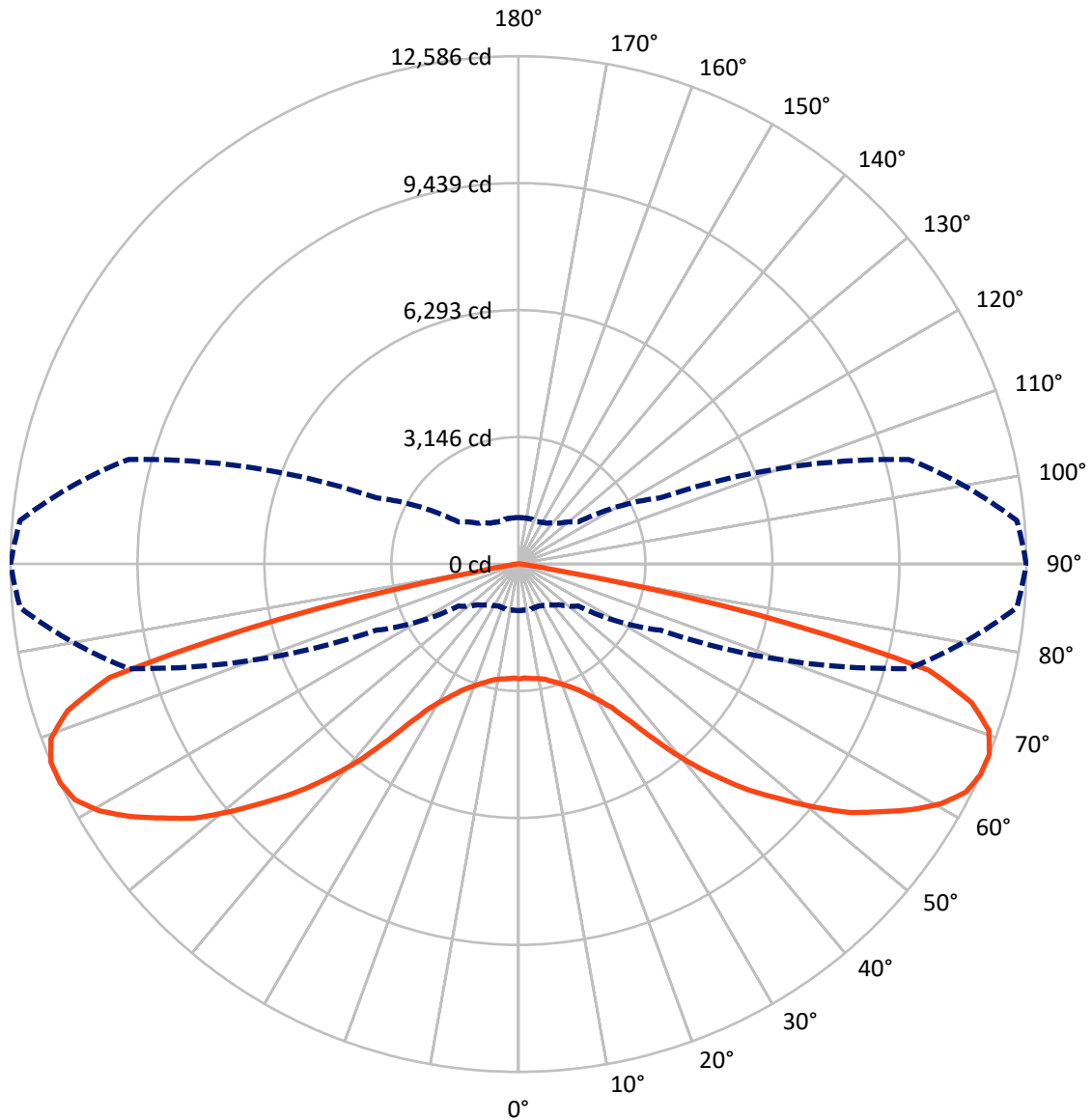
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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

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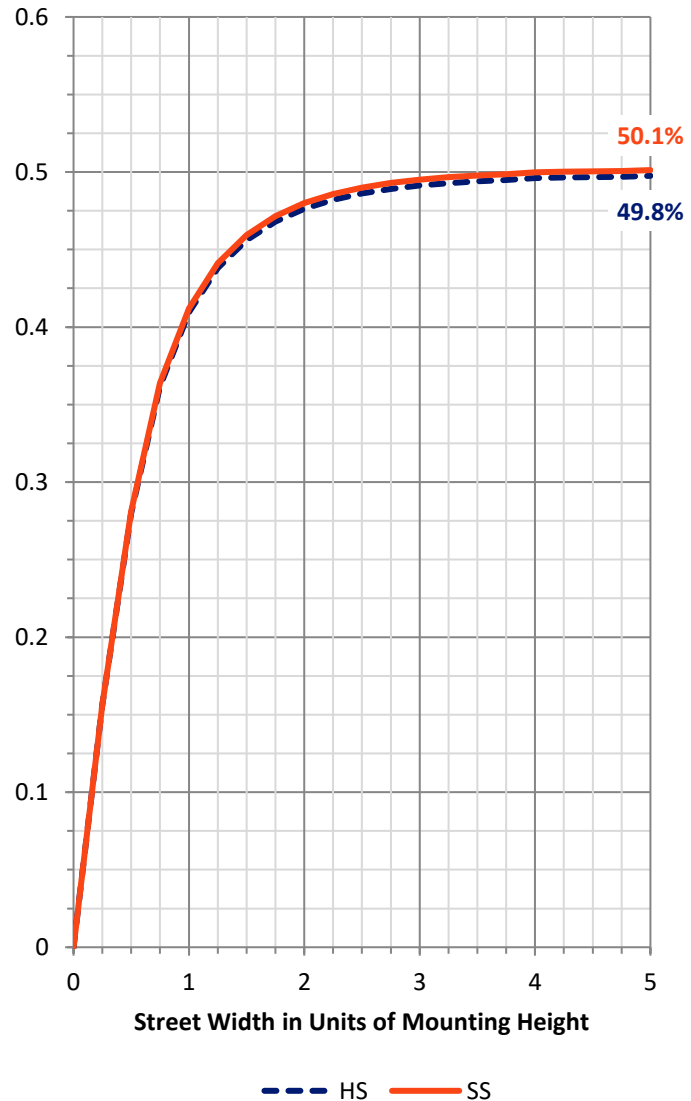
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8647.5	0.0	8647.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8647.5	0.0	8647.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17295.0	0.0	17295.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	272.2	1.6
10°-20°	810.5	4.7
20°-30°	1334.5	7.7
30°-40°	1949.1	11.3
40°-50°	2843.7	16.4
50°-60°	3672.7	21.2
60°-70°	3913.4	22.6
70°-80°	2388.1	13.8
80°-90°	110.8	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°	17295.0	100.0
0°-180°	17295.0	100.0



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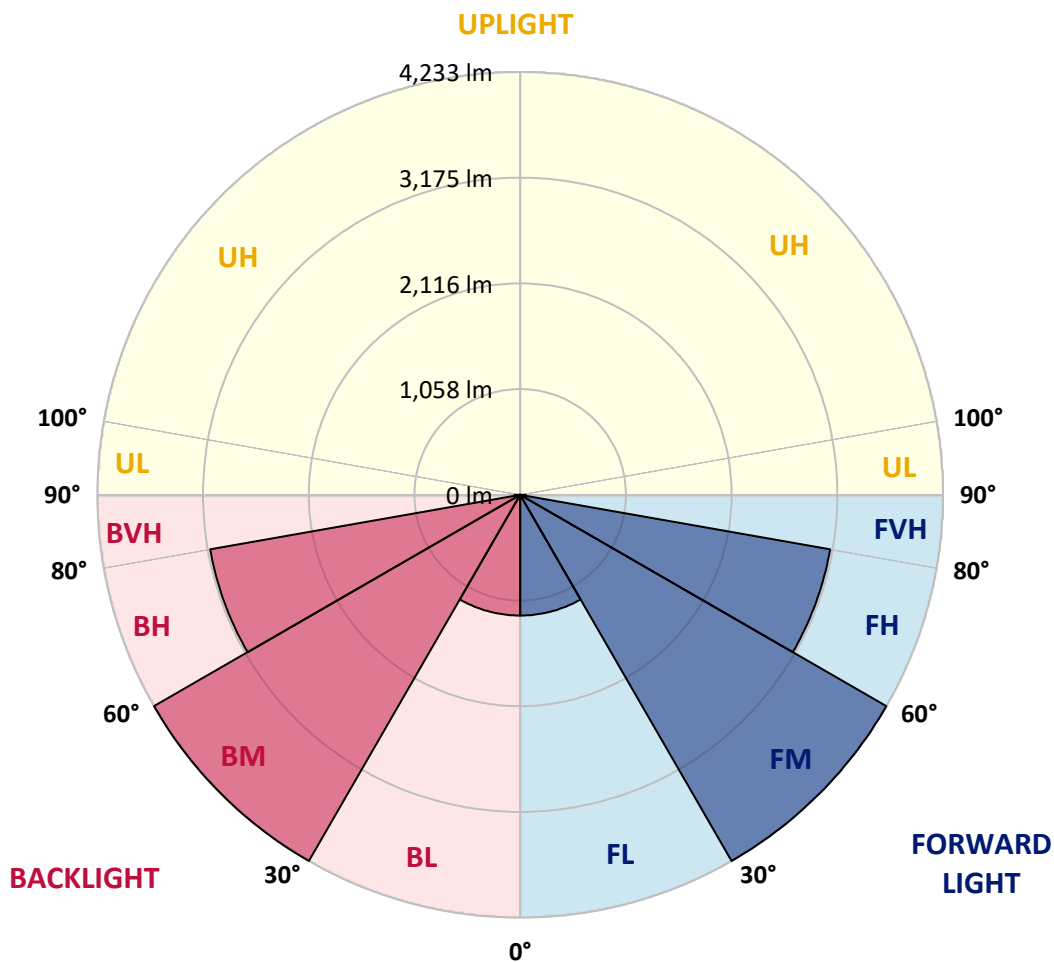
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1208.6	7.0			
FM	(30°-60°)	4232.8	24.5			
FH	(60°-80°)	3150.7	18.2			G2/5000
FVH	(80°-90°)	55.4	0.3			G1/100
BL	(0°-30°)	1208.6	7.0	B3/2500		
BM	(30°-60°)	4232.8	24.5	B3/5000		
BH	(60°-80°)	3150.7	18.2	B4/5000		G4/5000
BVH	(80°-90°)	55.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9
2.5°	2871.3	2877.8	2868.1	2856.4	2868.1	2853.2	2832.9	2834.0	2830.8	2834.0	2826.5
5°	2867.1	2867.1	2855.3	2835.1	2860.7	2874.6	2855.3	2847.9	2850.0	2854.3	2847.9
7.5°	2852.1	2844.7	2828.7	2830.8	2848.9	2842.5	2862.8	2871.3	2886.3	2878.8	2866.0
10°	2802.0	2819.0	2802.0	2795.6	2839.3	2834.0	2846.8	2867.1	2892.7	2887.4	2891.6
12.5°	2773.1	2784.9	2776.3	2768.9	2807.3	2847.9	2866.0	2892.7	2923.7	2927.9	2931.1
15°	2737.9	2751.8	2735.8	2742.2	2806.2	2858.5	2902.3	2943.9	2996.2	3002.6	3006.9
17.5°	2678.1	2694.2	2669.6	2710.2	2790.2	2867.1	2945.0	3009.0	3064.6	3085.9	3085.9
20°	2588.5	2600.2	2602.4	2640.8	2746.5	2871.3	2979.2	3067.8	3141.4	3182.0	3193.7
22.5°	2457.2	2472.1	2498.8	2570.3	2709.1	2858.5	3008.0	3131.8	3252.4	3291.9	3307.9
25°	2334.4	2343.0	2391.0	2501.0	2667.5	2857.5	3047.5	3226.8	3370.9	3452.0	3458.4
27.5°	2216.0	2219.2	2291.7	2418.8	2619.4	2867.1	3096.6	3332.5	3550.2	3639.9	3669.8
30°	2098.5	2108.1	2173.3	2335.5	2578.9	2862.8	3139.3	3446.7	3728.5	3882.2	3912.1
32.5°	1995.0	2009.9	2083.6	2240.5	2528.7	2866.0	3204.4	3599.3	3965.4	4222.7	4237.6
35°	1906.4	1918.1	1991.8	2150.8	2477.5	2877.8	3289.8	3796.8	4340.1	4720.1	4793.8
37.5°	1831.7	1841.3	1919.2	2064.4	2417.7	2875.6	3393.3	4030.6	4806.6	5429.9	5569.8
40°	1783.7	1794.3	1846.6	1989.7	2344.0	2860.7	3496.9	4324.1	5325.3	6262.5	6419.4
42.5°	1736.7	1749.5	1786.9	1920.3	2257.6	2821.2	3600.4	4597.4	5877.2	7049.2	7204.0
45°	1691.9	1696.1	1744.2	1855.2	2161.5	2766.7	3701.8	4841.8	6432.2	7828.4	7977.9
47.5°	1653.4	1653.4	1689.7	1796.5	2075.1	2684.6	3741.3	5085.2	6953.1	8591.6	8683.4
50°	1629.9	1618.2	1640.6	1724.9	1979.0	2550.1	3717.8	5276.2	7562.6	9323.9	9460.5
52.5°	1572.3	1568.0	1585.1	1665.2	1900.0	2418.8	3611.1	5371.2	8218.0	9954.7	10231.2
55°	1512.5	1511.5	1527.5	1593.7	1809.3	2259.7	3362.4	5399.0	8835.0	10651.7	10840.7
57.5°	1452.8	1444.2	1462.4	1528.5	1712.1	2123.1	3090.2	5268.8	9437.0	11326.3	11483.3
60°	1402.6	1396.2	1406.9	1456.0	1612.9	1951.2	2765.7	5085.2	9971.8	11867.5	12049.0
62.5°	1331.1	1332.1	1338.5	1372.7	1506.1	1789.0	2443.3	4760.7	10300.6	12274.2	12447.1
65°	1245.7	1242.5	1256.3	1272.4	1371.6	1611.8	2116.7	4291.0	10375.3	12470.6	12582.7
67.5°	1153.9	1149.6	1157.1	1150.7	1233.9	1428.2	1813.5	3880.1	10009.2	12397.0	12585.9
70°	1040.7	1040.7	1036.5	1014.0	1073.8	1205.1	1542.4	3525.7	9013.3	12162.1	12367.1
72.5°	850.7	852.9	869.9	853.9	889.2	974.6	1296.9	3121.1	7401.5	11421.3	11741.6
75°	523.0	523.0	536.9	594.6	693.8	740.8	1050.3	2618.4	5998.9	9767.9	10505.5
77.5°	269.0	271.1	278.6	297.8	316.0	364.0	590.3	1758.0	3805.3	5772.6	6103.5
80°	76.9	80.1	179.3	201.7	213.5	222.0	270.1	596.7	972.4	943.6	891.3
82.5°	51.2	53.4	104.6	122.8	112.1	91.8	112.1	175.1	146.2	183.6	199.6
85°	26.7	28.8	43.8	48.0	48.0	55.5	51.2	52.3	58.7	112.1	124.9
87.5°	12.8	13.9	18.1	22.4	23.5	26.7	25.6	26.7	29.9	45.9	50.2
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)