

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: P509515

Luminaire Tested: **VERD-G-CA2-110-750-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509515  
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-CA2-110-750-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5000K, 1020mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17937 lumens  
Efficiency: N/A  
Efficacy: 158.5 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

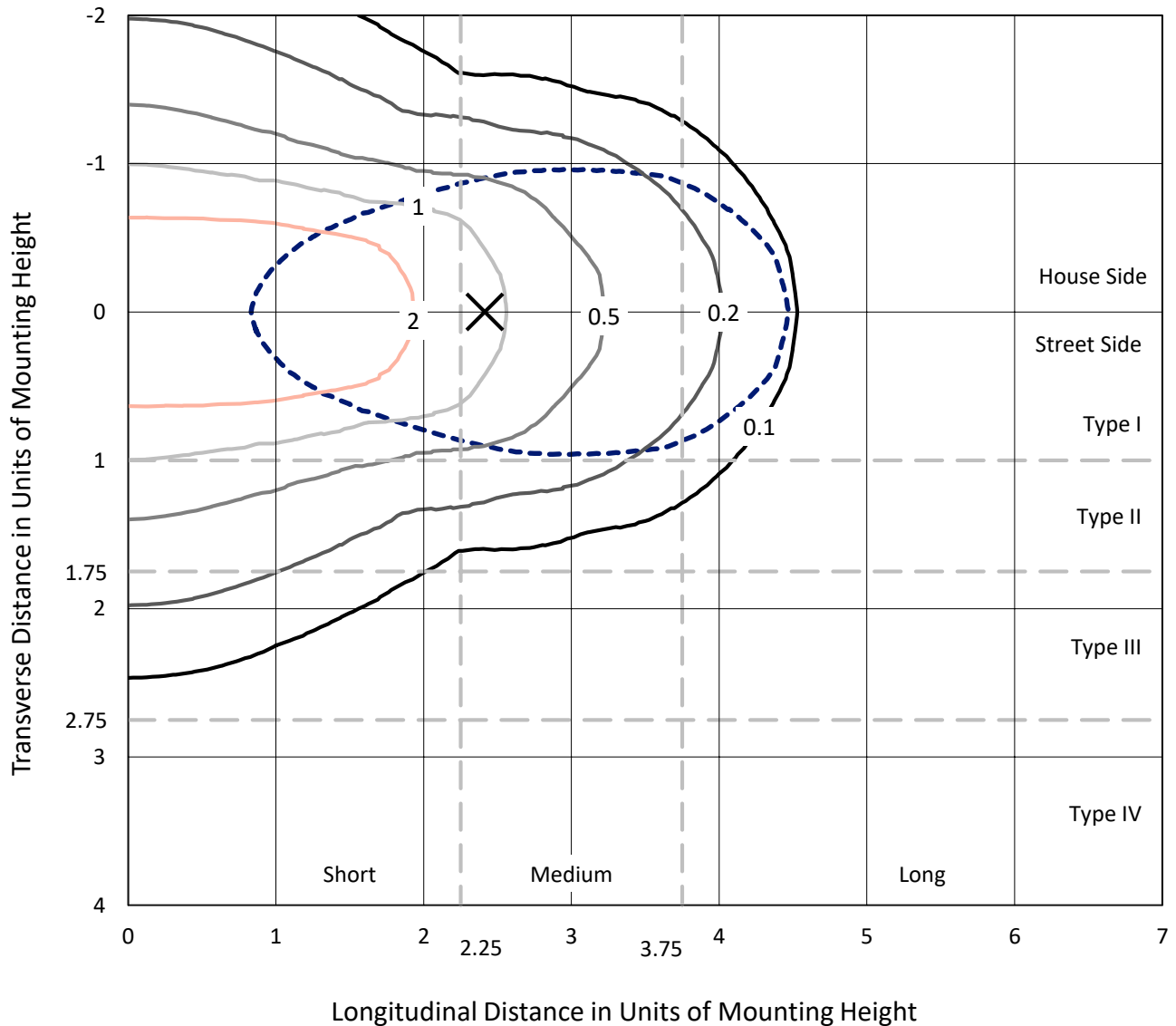
Input Watts (W): 113.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

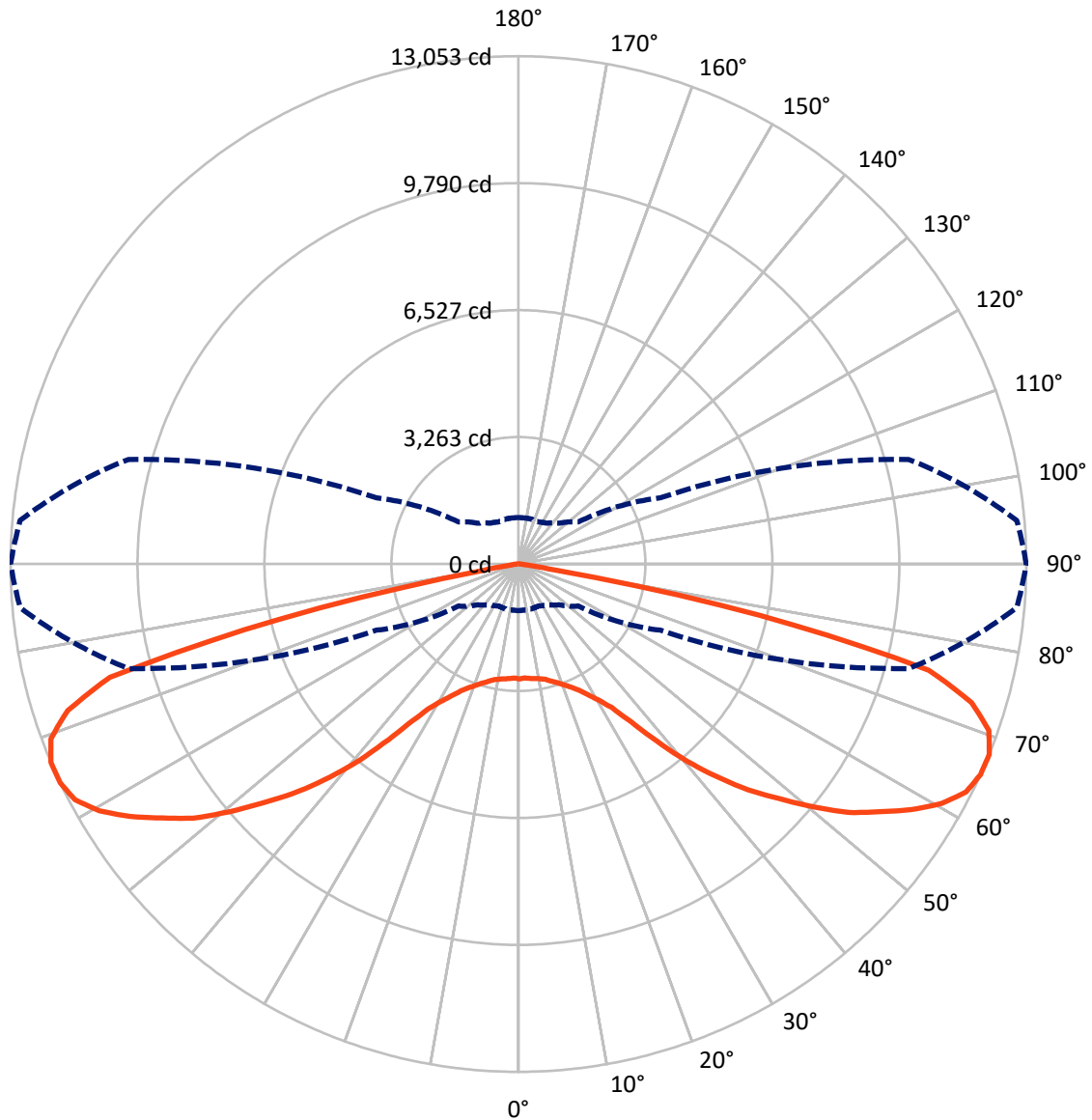
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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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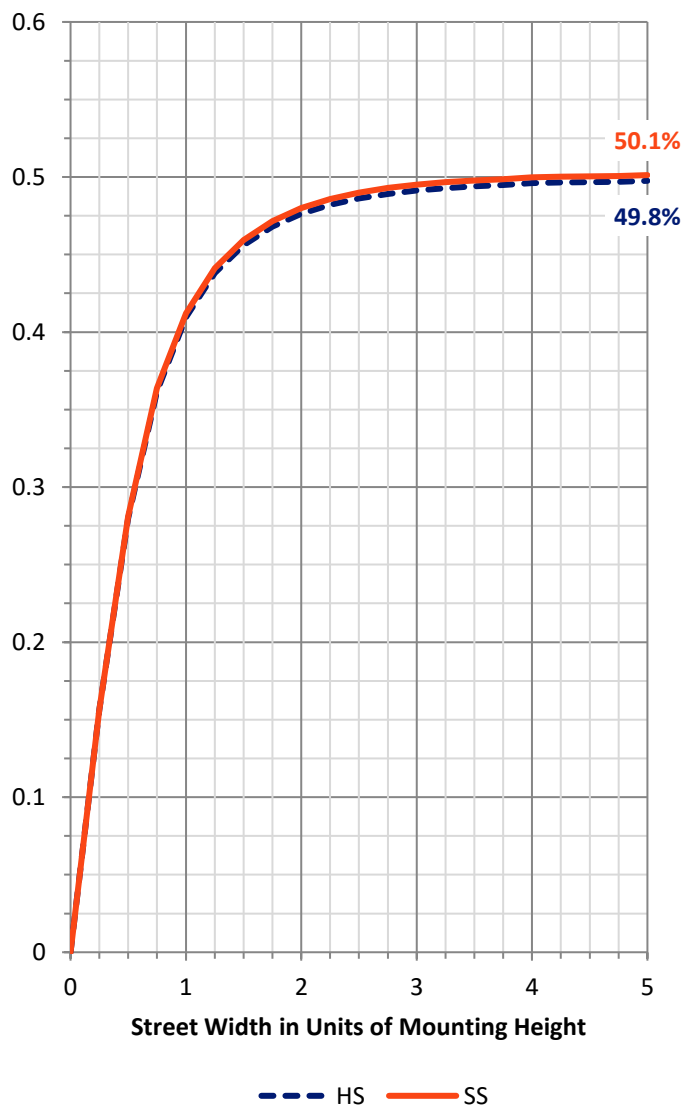
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8968.5	0.0	8968.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8968.5	0.0	8968.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17937.0	0.0	17937.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.3	1.6
10°-20°	840.6	4.7
20°-30°	1384.0	7.7
30°-40°	2021.5	11.3
40°-50°	2949.3	16.4
50°-60°	3809.0	21.2
60°-70°	4058.6	22.6
70°-80°	2476.7	13.8
80°-90°	115.0	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°	17937.0	100.0
0°-180°	17937.0	100.0

**Coefficient of Utilization**



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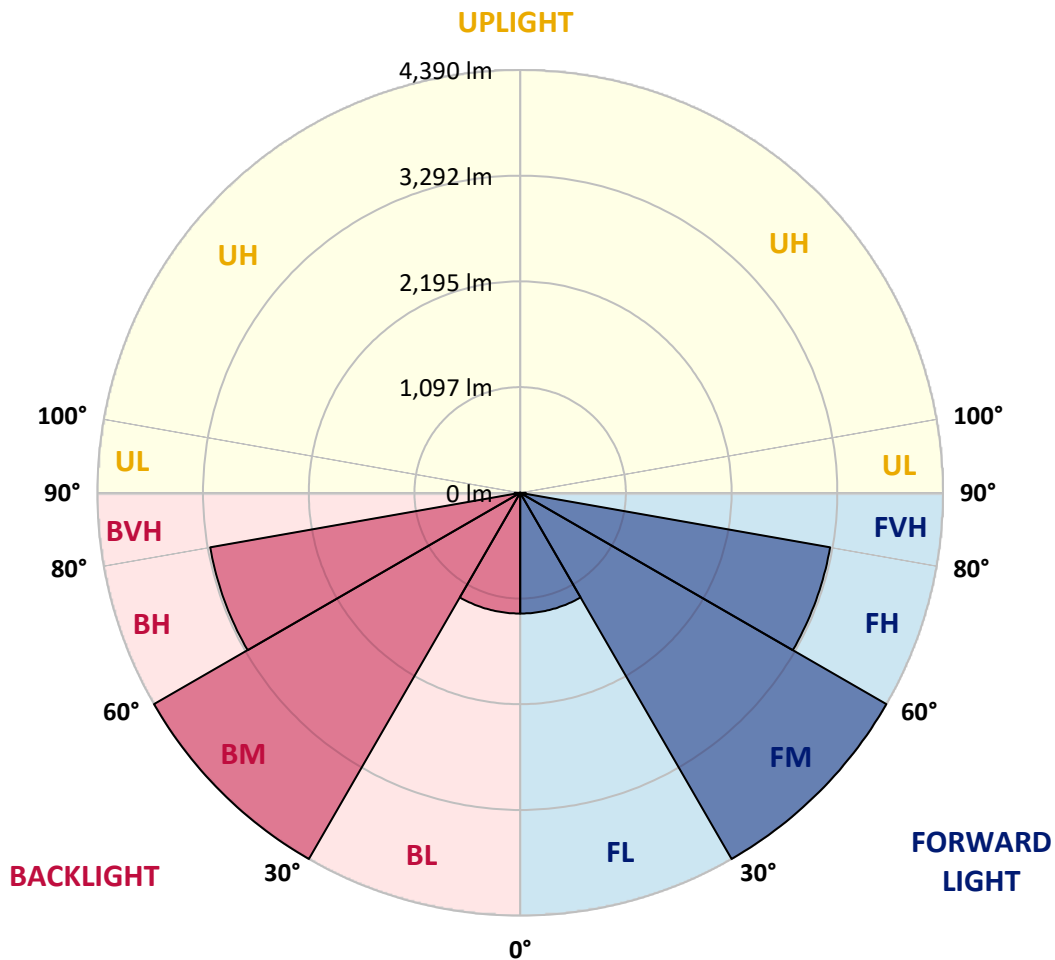
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1253.5	7.0			
FM (30°-60°)	4389.9	24.5			
FH (60°-80°)	3267.7	18.2			G2/5000
FVH (80°-90°)	57.5	0.3			G1/100
BL (0°-30°)	1253.5	7.0	B3/2500		
BM (30°-60°)	4389.9	24.5	B3/5000		
BH (60°-80°)	3267.7	18.2	B4/5000		G4/5000
BVH (80°-90°)	57.5	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°	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7
2.5°	2977.9	2984.6	2974.6	2962.4	2974.6	2959.1	2938.1	2939.2	2935.9	2939.2	2931.4
5°	2973.5	2973.5	2961.3	2940.3	2966.9	2981.3	2961.3	2953.6	2955.8	2960.2	2953.6
7.5°	2958.0	2950.3	2933.7	2935.9	2954.7	2948.0	2969.1	2977.9	2993.4	2985.7	2972.4
10°	2906.0	2923.7	2906.0	2899.3	2944.7	2939.2	2952.5	2973.5	3000.1	2994.5	2999.0
12.5°	2876.1	2888.3	2879.4	2871.7	2911.5	2953.6	2972.4	3000.1	3032.2	3036.6	3039.9
15°	2839.6	2853.9	2837.3	2844.0	2910.4	2964.6	3010.0	3053.2	3107.5	3114.1	3118.5
17.5°	2777.6	2794.2	2768.7	2810.8	2893.8	2973.5	3054.3	3120.7	3178.3	3200.4	3200.4
20°	2684.6	2696.7	2699.0	2738.8	2848.4	2977.9	3089.7	3181.6	3258.0	3300.1	3312.3
22.5°	2548.4	2563.9	2591.6	2665.7	2809.7	2964.6	3119.6	3248.1	3373.1	3414.1	3430.7
25°	2421.1	2429.9	2479.8	2593.8	2766.5	2963.5	3160.6	3346.6	3496.0	3580.2	3586.8
27.5°	2298.2	2301.5	2376.8	2508.5	2716.7	2973.5	3211.5	3456.2	3682.0	3775.0	3806.0
30°	2176.4	2186.4	2253.9	2422.2	2674.6	2969.1	3255.8	3574.6	3866.9	4026.3	4057.3
32.5°	2069.1	2084.6	2160.9	2323.7	2622.6	2972.4	3323.3	3732.9	4112.6	4379.4	4394.9
35°	1977.2	1989.3	2065.7	2230.7	2569.4	2984.6	3411.9	3937.7	4501.2	4895.3	4971.7
37.5°	1899.7	1909.6	1990.5	2141.0	2507.4	2982.4	3519.3	4180.2	4985.0	5631.5	5776.5
40°	1849.9	1860.9	1915.2	2063.5	2431.1	2966.9	3626.7	4484.6	5523.0	6495.0	6657.7
42.5°	1801.2	1814.4	1853.2	1991.6	2341.4	2925.9	3734.0	4768.0	6095.4	7310.9	7471.4
45°	1754.7	1759.1	1808.9	1924.0	2241.8	2869.4	3839.2	5021.5	6671.0	8119.0	8274.0
47.5°	1714.8	1714.8	1752.4	1863.1	2152.1	2784.2	3880.2	5273.9	7211.2	8910.6	9005.8
50°	1690.4	1678.3	1701.5	1789.0	2052.4	2644.7	3855.8	5472.1	7843.4	9670.0	9811.7
52.5°	1630.7	1626.2	1644.0	1727.0	1970.5	2508.5	3745.1	5570.6	8523.1	10324.2	10611.0
55°	1568.7	1567.6	1584.2	1652.8	1876.4	2343.6	3487.2	5599.4	9163.0	11047.1	11243.1
57.5°	1506.7	1497.8	1516.6	1585.3	1775.7	2201.9	3204.9	5464.3	9787.3	11746.8	11909.5
60°	1454.6	1448.0	1459.1	1510.0	1672.7	2023.7	2868.3	5273.9	10342.0	12308.1	12496.3
62.5°	1380.5	1381.6	1388.2	1423.7	1562.0	1855.4	2534.0	4937.4	10682.9	12729.8	12909.2
65°	1291.9	1288.6	1303.0	1319.6	1422.5	1671.6	2195.3	4450.3	10760.4	12933.5	13049.8
67.5°	1196.7	1192.3	1200.0	1193.4	1279.7	1481.2	1880.9	4024.1	10380.7	12857.1	13053.1
70°	1079.4	1079.4	1074.9	1051.7	1113.7	1249.8	1599.7	3656.5	9347.8	12613.6	12826.2
72.5°	882.3	884.5	902.2	885.6	922.2	1010.7	1345.1	3237.0	7676.2	11845.3	12177.4
75°	542.4	542.4	556.8	616.6	719.6	768.3	1089.3	2715.6	6221.6	10130.5	10895.5
77.5°	279.0	281.2	288.9	308.9	327.7	377.5	612.2	1823.3	3946.6	5986.9	6330.0
80°	79.7	83.0	186.0	209.2	221.4	230.3	280.1	618.8	1008.5	978.6	924.4
82.5°	53.1	55.4	108.5	127.3	116.2	95.2	116.2	181.6	151.7	190.4	207.0
85°	27.7	29.9	45.4	49.8	49.8	57.6	53.1	54.2	60.9	116.2	129.5
87.5°	13.3	14.4	18.8	23.2	24.4	27.7	26.6	27.7	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)