

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: P509475

Luminaire Tested: **VERD-G-CA2-100-760-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509475  
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-CA2-100-760-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 930mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16150 lumens  
Efficiency: N/A  
Efficacy: 157.4 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

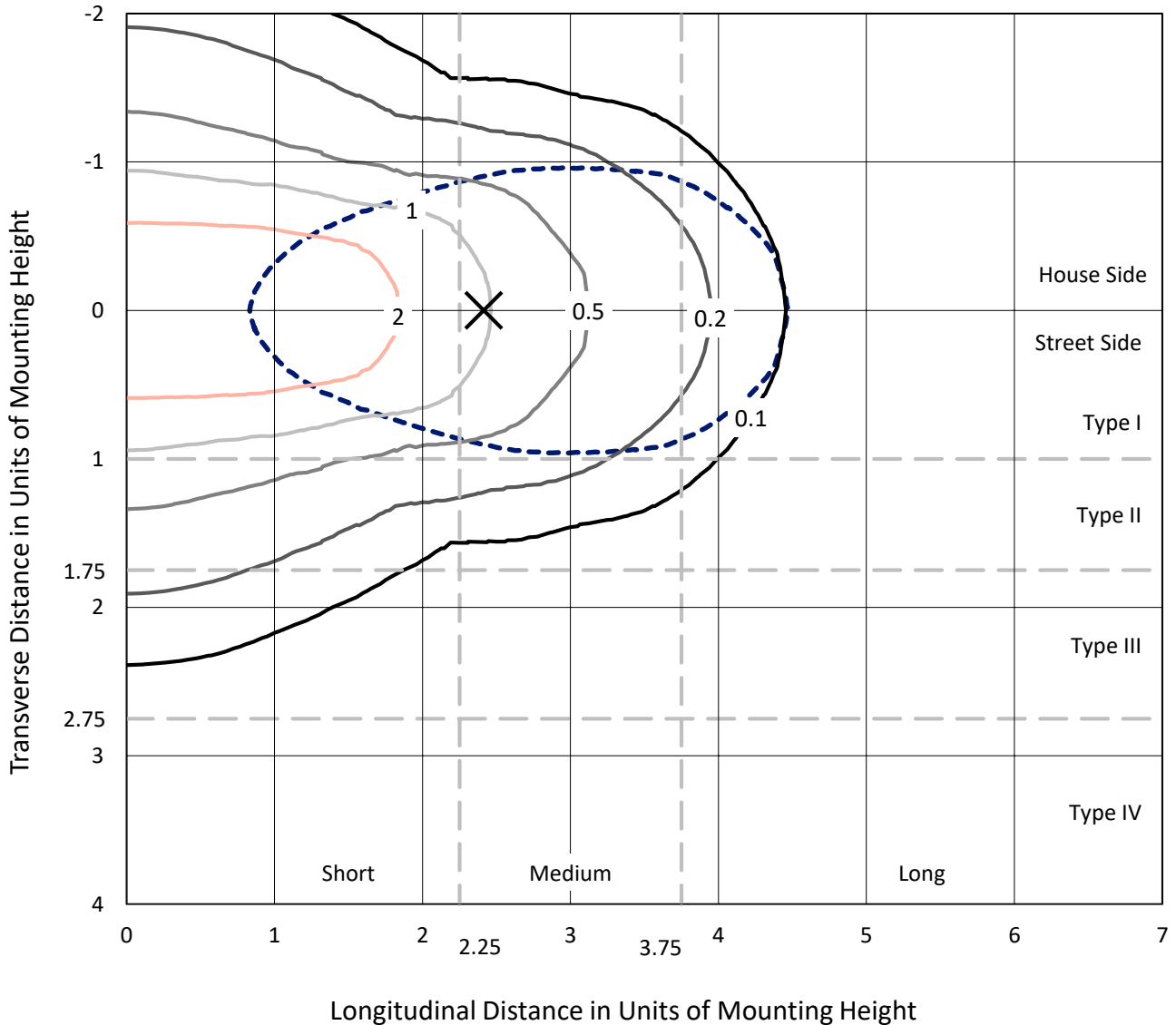
Input Watts (W): 102.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

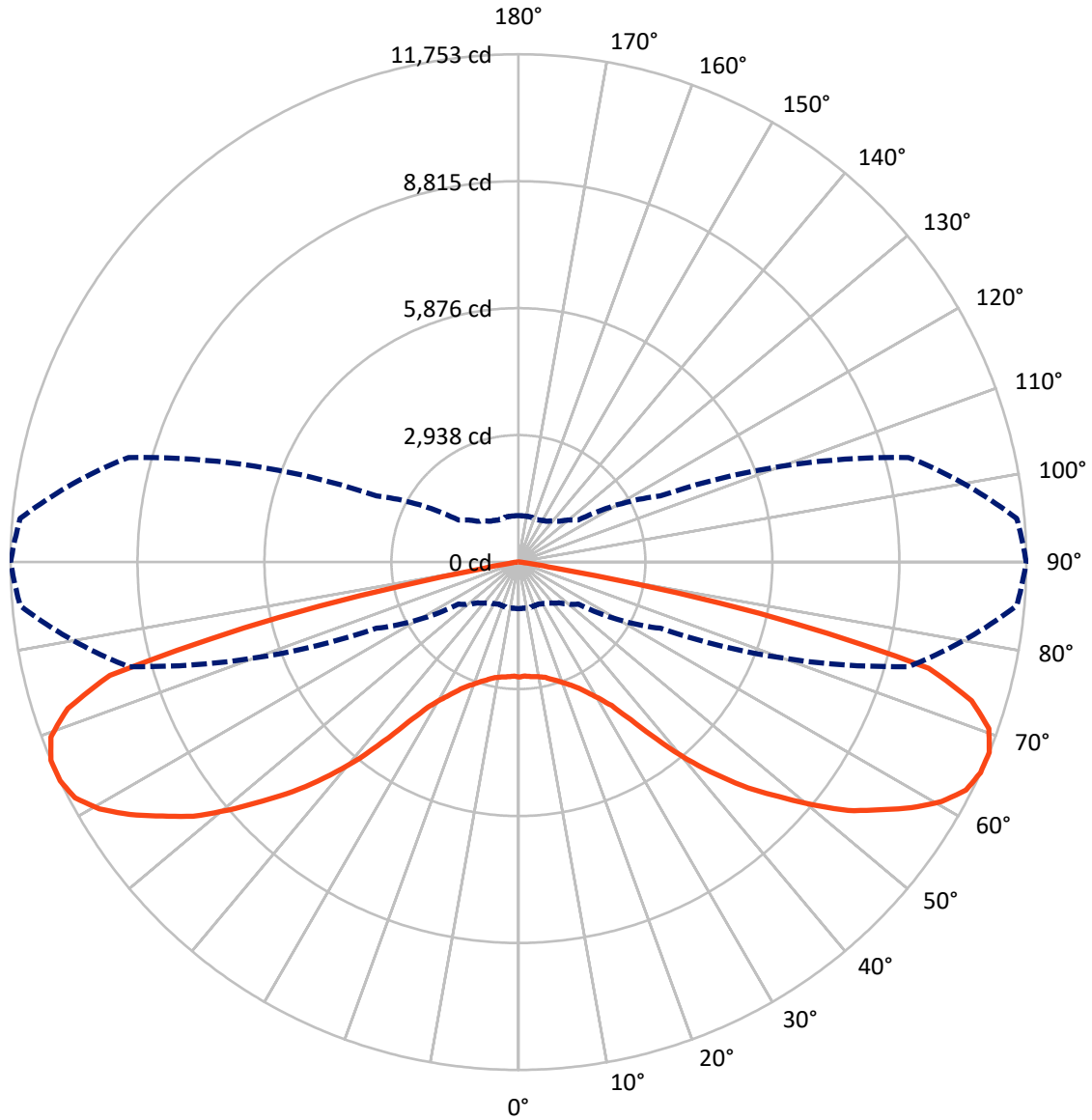
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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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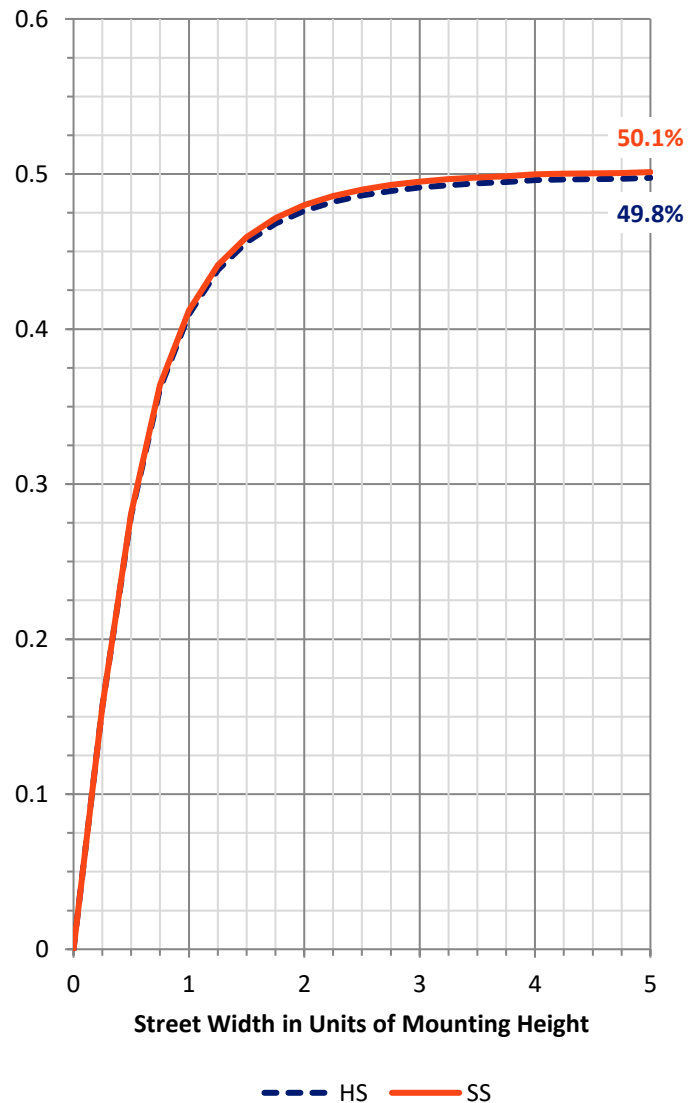
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8075.0	0.0	8075.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8075.0	0.0	8075.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16150.0	0.0	16150.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.2	1.6
10°-20°	756.9	4.7
20°-30°	1246.1	7.7
30°-40°	1820.1	11.3
40°-50°	2655.5	16.4
50°-60°	3429.5	21.2
60°-70°	3654.3	22.6
70°-80°	2229.9	13.8
80°-90°	103.5	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°	16150.0	100.0
0°-180°	16150.0	100.0



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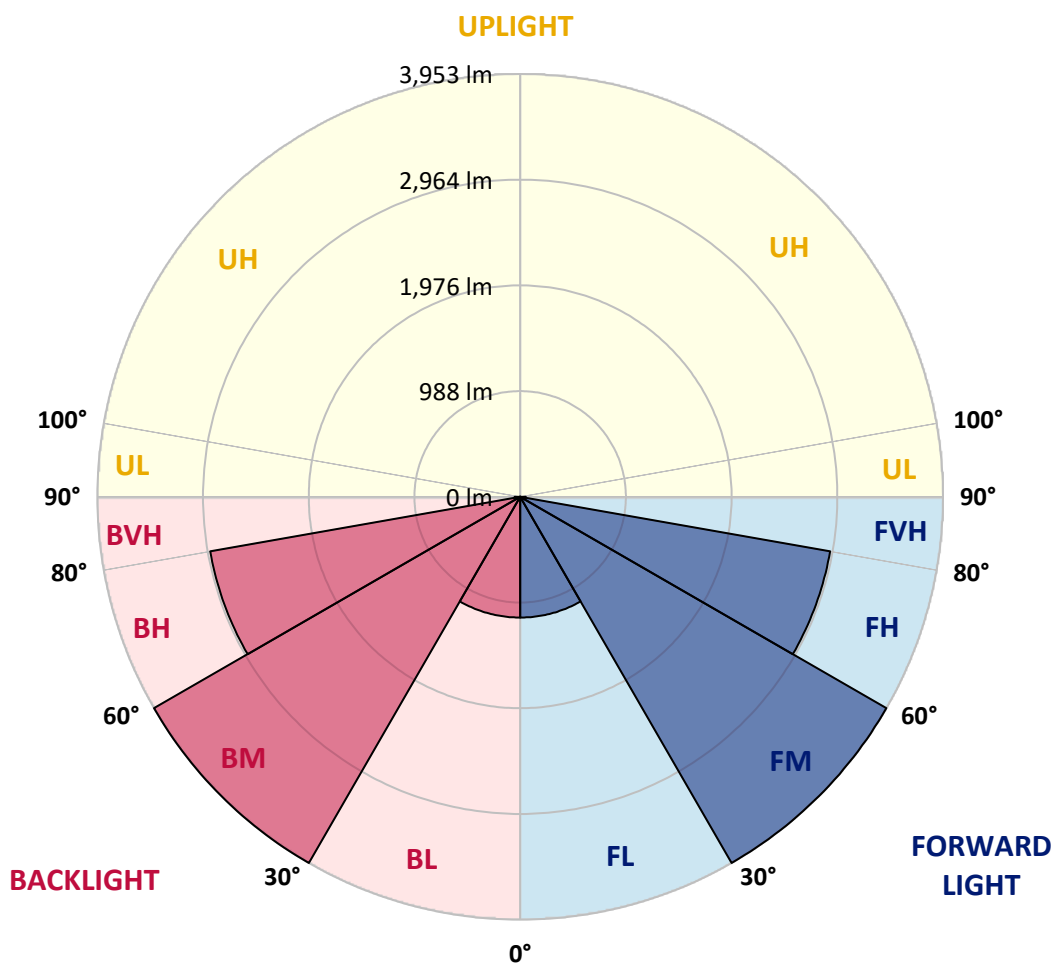
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1128.6	7.0			
FM (30°-60°)	3952.5	24.5			
FH (60°-80°)	2942.1	18.2			G2/5000
FVH (80°-90°)	51.8	0.3			G1/100
BL (0°-30°)	1128.6	7.0	B3/2500		
BM (30°-60°)	3952.5	24.5	B3/5000		
BH (60°-80°)	2942.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	51.8	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°	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3	2660.3
2.5°	2681.3	2687.2	2678.3	2667.3	2678.3	2664.3	2645.4	2646.4	2643.4	2646.4	2639.4
5°	2677.3	2677.3	2666.3	2647.4	2671.3	2684.2	2666.3	2659.3	2661.3	2665.3	2659.3
7.5°	2663.3	2656.3	2641.4	2643.4	2660.3	2654.3	2673.3	2681.3	2695.2	2688.2	2676.3
10°	2616.5	2632.4	2616.5	2610.5	2651.4	2646.4	2658.3	2677.3	2701.2	2696.2	2700.2
12.5°	2589.6	2600.5	2592.5	2585.6	2621.4	2659.3	2676.3	2701.2	2730.1	2734.1	2737.1
15°	2556.7	2569.6	2554.7	2560.6	2620.5	2669.3	2710.2	2749.0	2797.9	2803.9	2807.8
17.5°	2500.8	2515.8	2492.9	2530.7	2605.5	2677.3	2750.0	2809.8	2861.7	2881.6	2881.6
20°	2417.1	2428.1	2430.1	2466.0	2564.6	2681.3	2781.9	2864.7	2933.4	2971.3	2982.3
22.5°	2294.5	2308.5	2333.4	2400.2	2529.7	2669.3	2808.8	2924.5	3037.1	3074.0	3088.9
25°	2179.9	2187.9	2232.7	2335.4	2490.9	2668.3	2845.7	3013.2	3147.7	3223.5	3229.5
27.5°	2069.2	2072.2	2140.0	2258.6	2446.0	2677.3	2891.6	3111.8	3315.2	3398.9	3426.8
30°	1959.6	1968.6	2029.4	2180.9	2408.1	2673.3	2931.4	3218.5	3481.6	3625.2	3653.1
32.5°	1862.9	1876.9	1945.7	2092.2	2361.3	2676.3	2992.2	3361.0	3702.9	3943.1	3957.1
35°	1780.2	1791.2	1859.9	2008.4	2313.5	2687.2	3072.0	3545.4	4052.8	4407.6	4476.4
37.5°	1710.4	1719.4	1792.2	1927.7	2257.6	2685.2	3168.7	3763.7	4488.4	5070.5	5201.0
40°	1665.6	1675.5	1724.4	1857.9	2188.9	2671.3	3265.3	4037.8	4972.8	5847.9	5994.4
42.5°	1621.7	1633.7	1668.6	1793.2	2108.1	2634.4	3362.0	4293.0	5488.1	6582.5	6727.1
45°	1579.8	1583.8	1628.7	1732.3	2018.4	2583.6	3456.7	4521.3	6006.4	7310.2	7449.7
47.5°	1544.0	1544.0	1577.9	1677.5	1937.7	2506.8	3493.6	4748.5	6492.8	8022.8	8108.5
50°	1522.0	1511.1	1532.0	1610.7	1848.0	2381.2	3471.7	4926.9	7062.0	8706.6	8834.2
52.5°	1468.2	1464.2	1480.2	1554.9	1774.2	2258.6	3372.0	5015.6	7674.0	9295.7	9553.8
55°	1412.4	1411.4	1426.3	1488.1	1689.5	2110.1	3139.8	5041.6	8250.1	9946.6	10123.0
57.5°	1356.6	1348.6	1365.5	1427.3	1598.8	1982.5	2885.6	4919.9	8812.3	10576.5	10723.0
60°	1309.7	1303.7	1313.7	1359.6	1506.1	1822.1	2582.6	4748.5	9311.6	11081.8	11251.3
62.5°	1242.9	1243.9	1249.9	1281.8	1406.4	1670.6	2281.6	4445.5	9618.6	11461.6	11623.1
65°	1163.2	1160.2	1173.2	1188.1	1280.8	1505.1	1976.6	4006.9	9688.4	11645.0	11749.7
67.5°	1077.5	1073.5	1080.5	1074.5	1152.2	1333.6	1693.5	3623.2	9346.5	11576.2	11752.7
70°	971.8	971.8	967.8	946.9	1002.7	1125.3	1440.3	3292.3	8416.5	11357.0	11548.3
72.5°	794.4	796.4	812.3	797.4	830.3	910.0	1211.0	2914.5	6911.5	10665.2	10964.2
75°	488.4	488.4	501.4	555.2	647.9	691.7	980.8	2445.0	5601.7	9121.2	9810.0
77.5°	251.2	253.2	260.2	278.1	295.0	339.9	551.2	1641.6	3553.4	5390.4	5699.4
80°	71.8	74.8	167.5	188.4	199.3	207.3	252.2	557.2	908.0	881.1	832.3
82.5°	47.8	49.8	97.7	114.6	104.7	85.7	104.7	163.5	136.6	171.4	186.4
85°	24.9	26.9	40.9	44.9	44.9	51.8	47.8	48.8	54.8	104.7	116.6
87.5°	12.0	13.0	16.9	20.9	21.9	24.9	23.9	24.9	27.9	42.9	46.8
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)