

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: P509546

Luminaire Tested: **VERD-G-CA2-120-727-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509546  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/6/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-120-727-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2700K, 1120mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15447 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G3

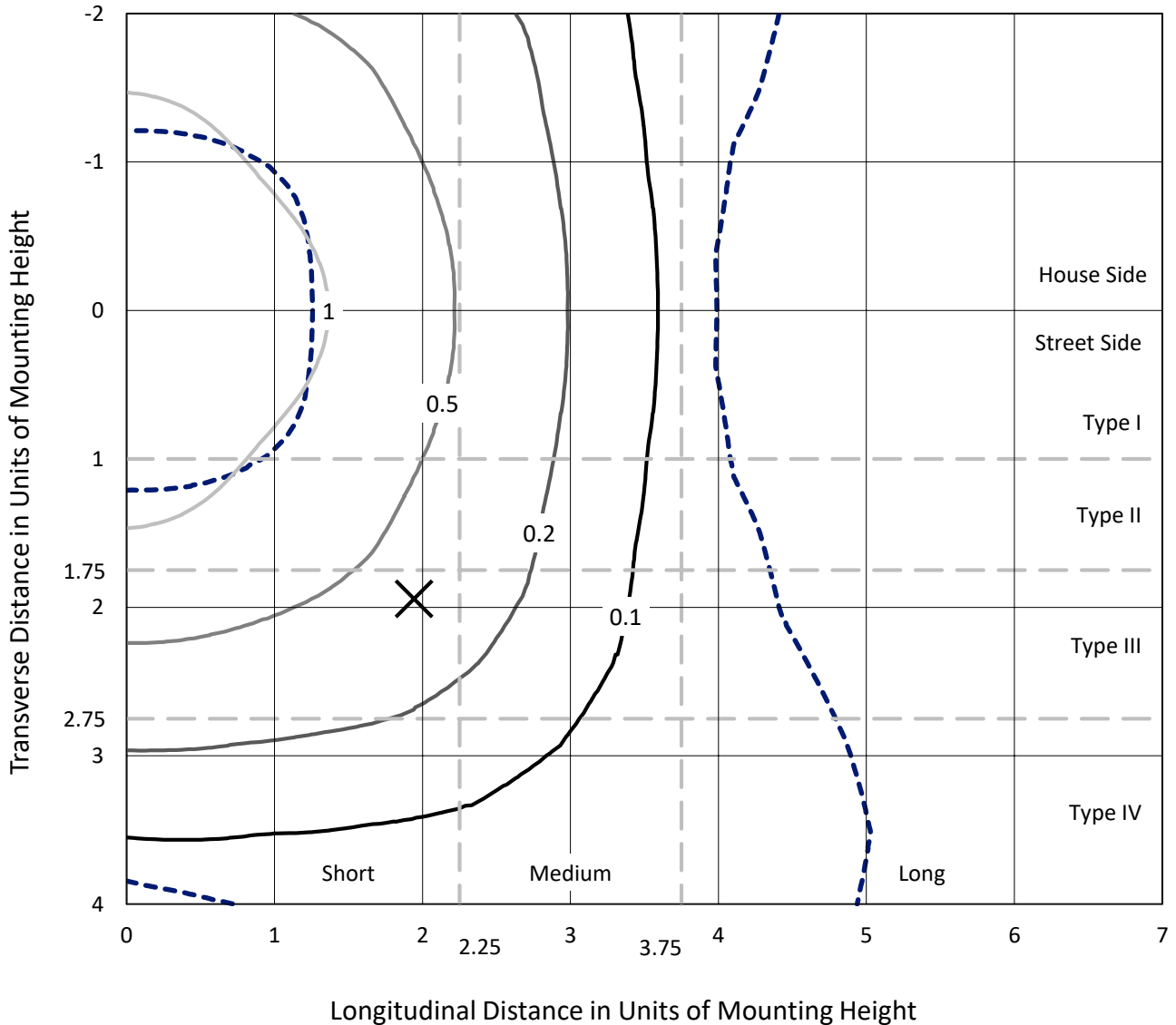
Input Watts (W): 124.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

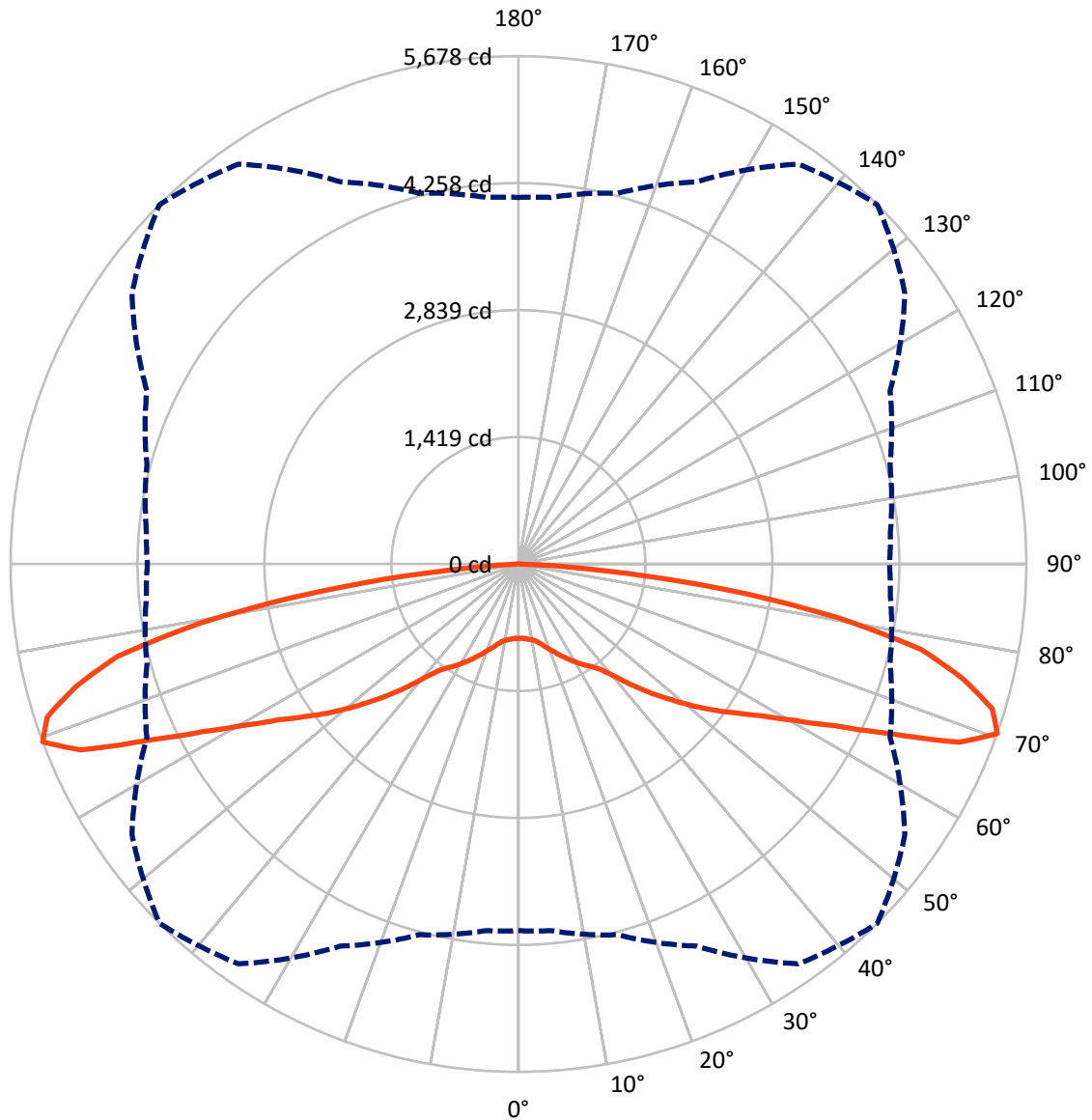
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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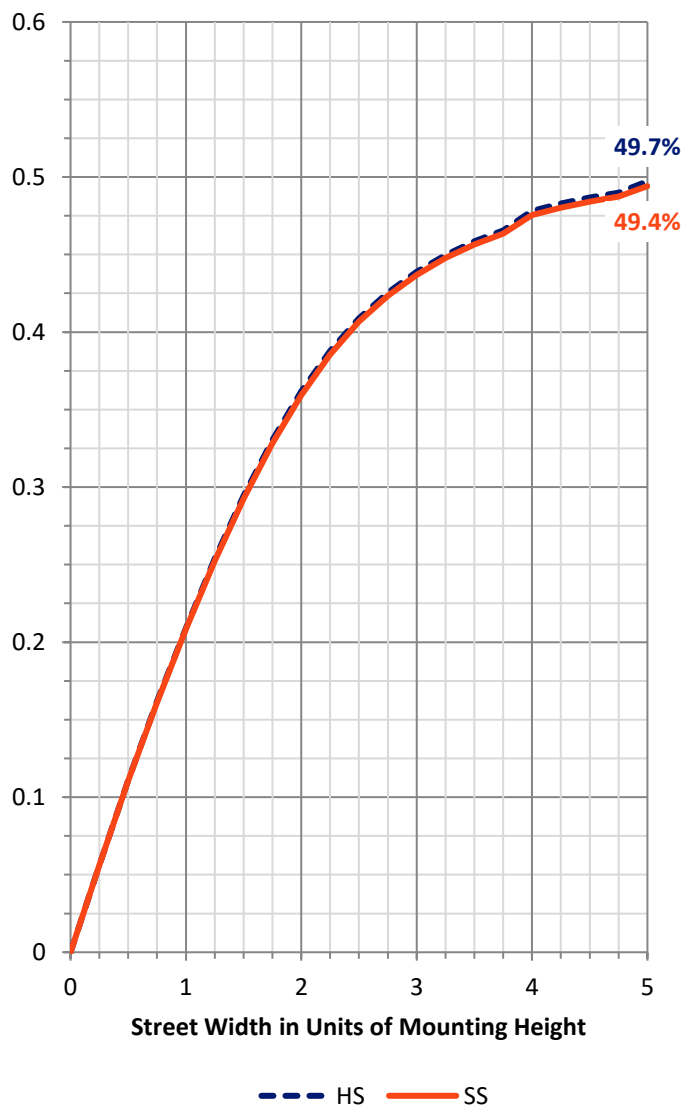
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7723.5	0.0	7723.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7723.5	0.0	7723.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15447.0	0.0	15447.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.0	0.5
10°-20°	265.4	1.7
20°-30°	522.1	3.4
30°-40°	894.1	5.8
40°-50°	1668.2	10.8
50°-60°	2816.7	18.2
60°-70°	4417.5	28.6
70°-80°	3987.7	25.8
80°-90°	794.2	5.1
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°	15447.0	100.0
0°-180°	15447.0	100.0

**Coefficient of Utilization**



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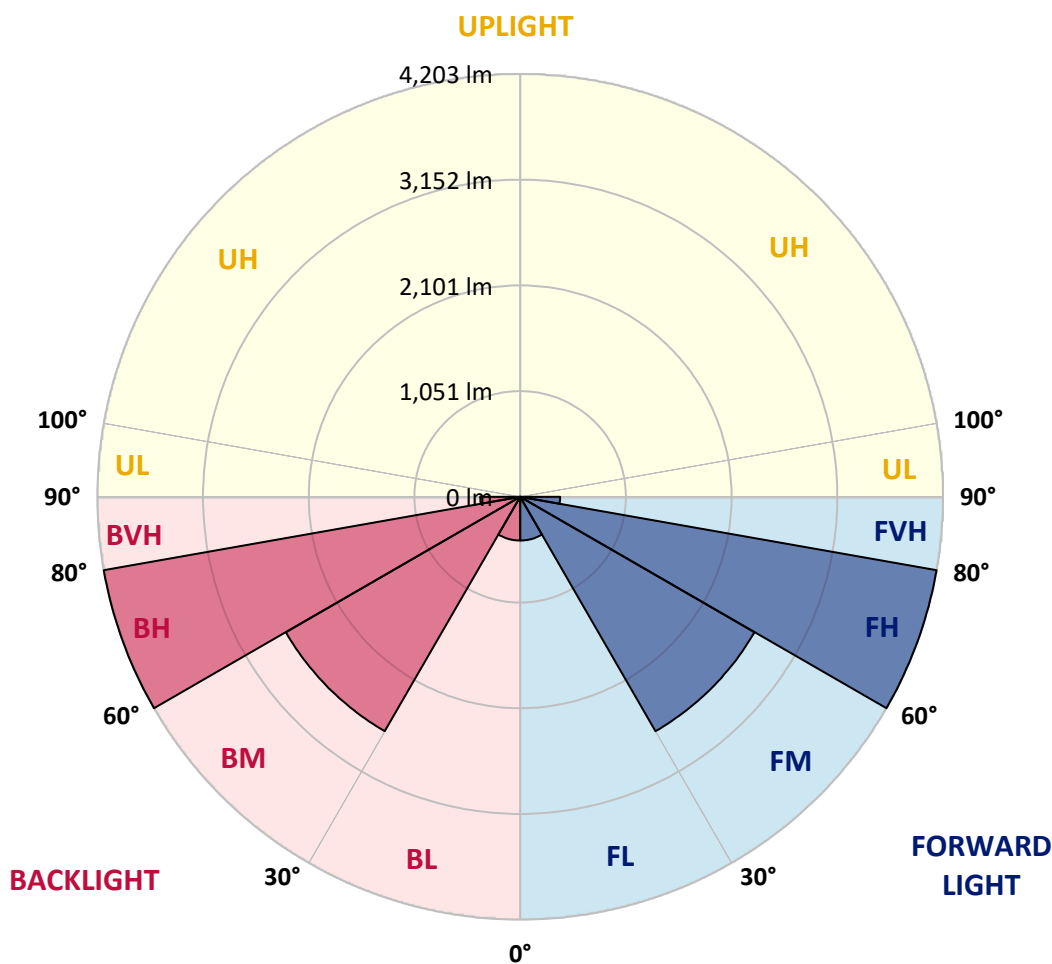
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	434.3	2.8			
FM	(30°-60°)	2689.5	17.4			
FH	(60°-80°)	4202.6	27.2			G2/5000
FVH	(80°-90°)	397.1	2.6			G3/500
BL	(0°-30°)	434.3	2.8	B1/500		
BM	(30°-60°)	2689.5	17.4	B3/5000		
BH	(60°-80°)	4202.6	27.2	B4/5000		G2/5000
BVH	(80°-90°)	397.1	2.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	831.9	831.9	831.9	831.9	831.9	831.9	831.9	831.9	831.9	831.9	831.9
2.5°	845.8	845.8	836.9	831.9	832.9	829.9	829.9	829.0	831.9	831.9	829.0
5°	850.8	854.8	845.8	838.9	840.9	838.9	837.9	838.9	843.8	845.8	841.9
7.5°	860.7	864.7	853.8	845.8	848.8	849.8	845.8	848.8	851.8	853.8	848.8
10°	876.6	877.6	870.7	859.7	864.7	862.7	861.7	859.7	860.7	861.7	860.7
12.5°	899.4	895.5	887.5	884.5	889.5	885.5	880.6	879.6	883.6	880.6	883.6
15°	928.2	925.3	924.3	921.3	929.2	924.3	922.3	919.3	922.3	916.3	920.3
17.5°	960.0	964.0	965.0	967.9	974.9	973.9	966.9	965.0	966.0	960.0	960.0
20°	1006.7	1008.6	1011.6	1012.6	1024.5	1022.5	1014.6	1007.7	1009.6	999.7	996.7
22.5°	1059.3	1059.3	1058.3	1066.2	1082.1	1082.1	1065.2	1057.3	1060.3	1053.3	1047.4
25°	1110.9	1110.9	1106.9	1117.8	1142.7	1141.7	1124.8	1109.9	1114.9	1110.9	1109.9
27.5°	1164.5	1164.5	1158.6	1162.5	1205.2	1208.2	1184.4	1170.5	1169.5	1173.4	1173.4
30°	1223.1	1220.1	1215.1	1210.2	1258.8	1273.7	1241.0	1230.0	1231.0	1237.0	1239.0
32.5°	1289.6	1292.6	1284.6	1275.7	1313.4	1343.2	1297.5	1302.5	1305.5	1314.4	1321.4
35°	1385.9	1385.9	1368.0	1357.1	1379.9	1406.7	1382.9	1393.8	1411.7	1424.6	1430.6
37.5°	1494.1	1499.1	1474.2	1450.4	1475.2	1496.1	1495.1	1522.9	1558.6	1602.3	1593.4
40°	1675.8	1676.8	1634.1	1597.4	1605.3	1641.0	1667.8	1719.5	1771.1	1821.7	1818.7
42.5°	1924.0	1909.1	1874.3	1827.7	1821.7	1838.6	1898.2	1951.8	2020.3	2057.0	2064.9
45°	2187.1	2184.1	2136.4	2062.0	2043.1	2044.1	2094.7	2171.2	2247.6	2286.3	2292.3
47.5°	2472.0	2471.0	2397.5	2323.1	2268.5	2248.6	2292.3	2368.7	2449.1	2496.8	2492.8
50°	2772.8	2760.9	2692.4	2595.1	2521.6	2475.0	2498.8	2580.2	2649.7	2696.3	2696.3
52.5°	3075.6	3062.7	2997.1	2884.0	2769.8	2706.3	2695.3	2770.8	2855.2	2905.8	2904.8
55°	3412.1	3386.3	3308.9	3187.8	3055.7	2937.6	2910.8	2970.3	3074.6	3135.1	3155.0
57.5°	3733.8	3716.9	3644.4	3510.4	3361.5	3197.7	3151.0	3224.5	3330.7	3397.2	3415.1
60°	4059.4	4034.6	3972.0	3872.8	3711.9	3548.1	3473.7	3517.3	3634.5	3709.0	3695.1
62.5°	4417.8	4408.8	4356.2	4263.9	4166.6	3984.9	3869.8	3914.5	4037.6	4098.1	4075.3
65°	4693.8	4706.7	4722.6	4733.5	4706.7	4567.7	4437.6	4490.3	4538.9	4544.9	4510.1
67.5°	4480.3	4537.9	4657.0	4913.2	5212.0	5317.2	5060.1	4709.7	4524.0	4479.3	4425.7
70°	4099.1	4114.0	4290.7	4713.6	5457.2	5677.6	5273.5	4583.6	4299.6	4174.6	4147.8
72.5°	3570.0	3650.4	3862.8	4429.7	5281.5	5539.6	5153.4	4310.6	3886.7	3722.9	3690.1
75°	2950.5	3056.7	3302.9	3953.2	4850.6	5134.6	4784.1	3811.2	3277.1	3108.3	3099.4
77.5°	2188.0	2232.7	2586.1	3254.3	4304.6	4604.4	4219.2	3149.0	2616.9	2347.9	2357.8
80°	1213.2	1265.8	1610.3	2242.6	3275.1	3599.7	3210.6	2268.5	1737.3	1523.9	1508.0
82.5°	534.1	574.8	810.1	1265.8	2034.2	2316.1	1923.0	1198.3	807.1	610.5	587.7
85°	159.8	176.7	279.0	507.3	970.9	959.0	613.5	275.0	110.2	60.6	57.6
87.5°	37.7	41.7	75.4	116.2	124.1	46.7	21.8	18.9	18.9	18.9	18.9
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)