

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: P509442

Luminaire Tested: **VERD-G-CA2-100-722-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509442  
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-CA2-100-722-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 930mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12681 lumens  
Efficiency: N/A  
Efficacy: 123.6 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

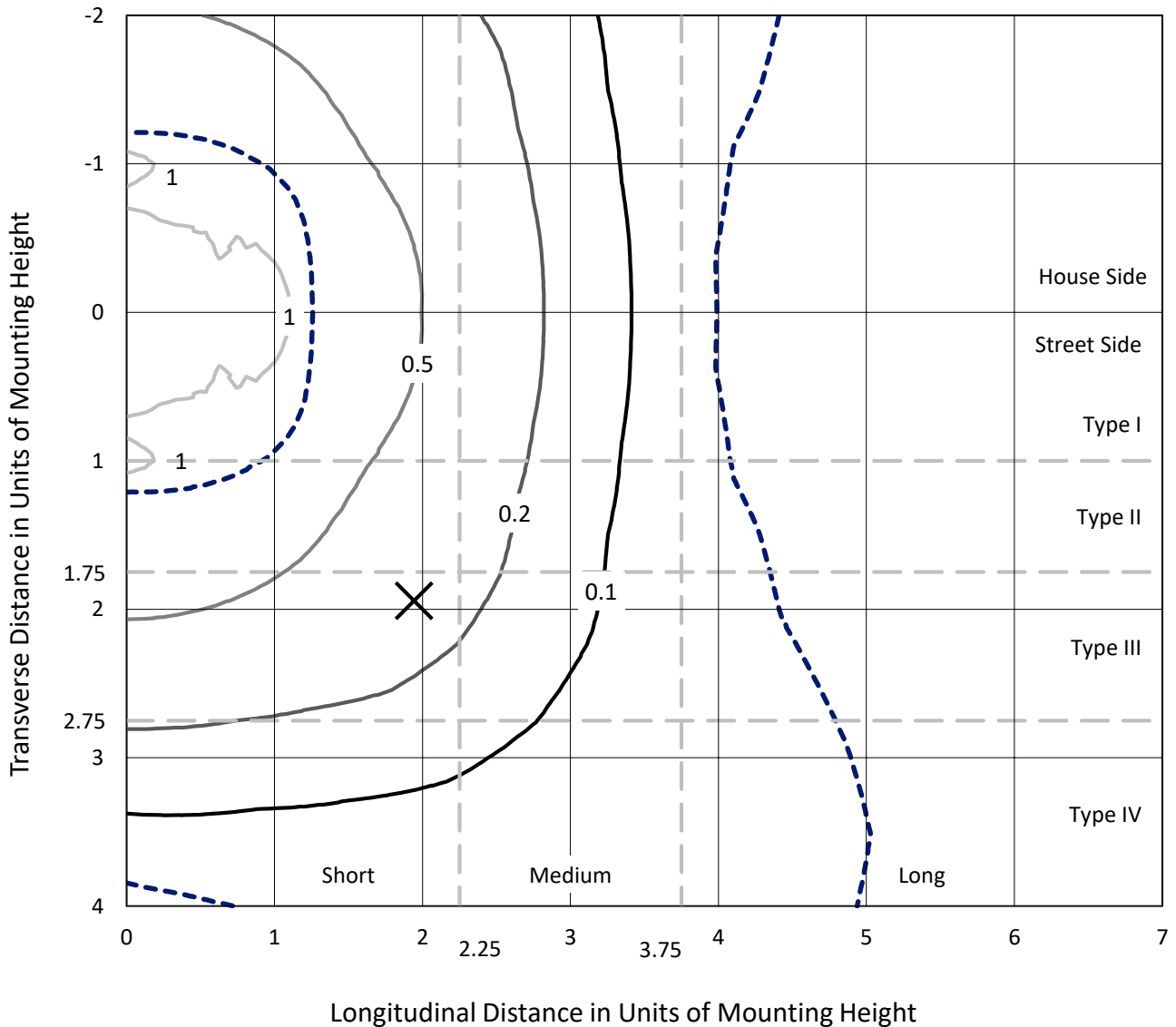
Input Watts (W): 102.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

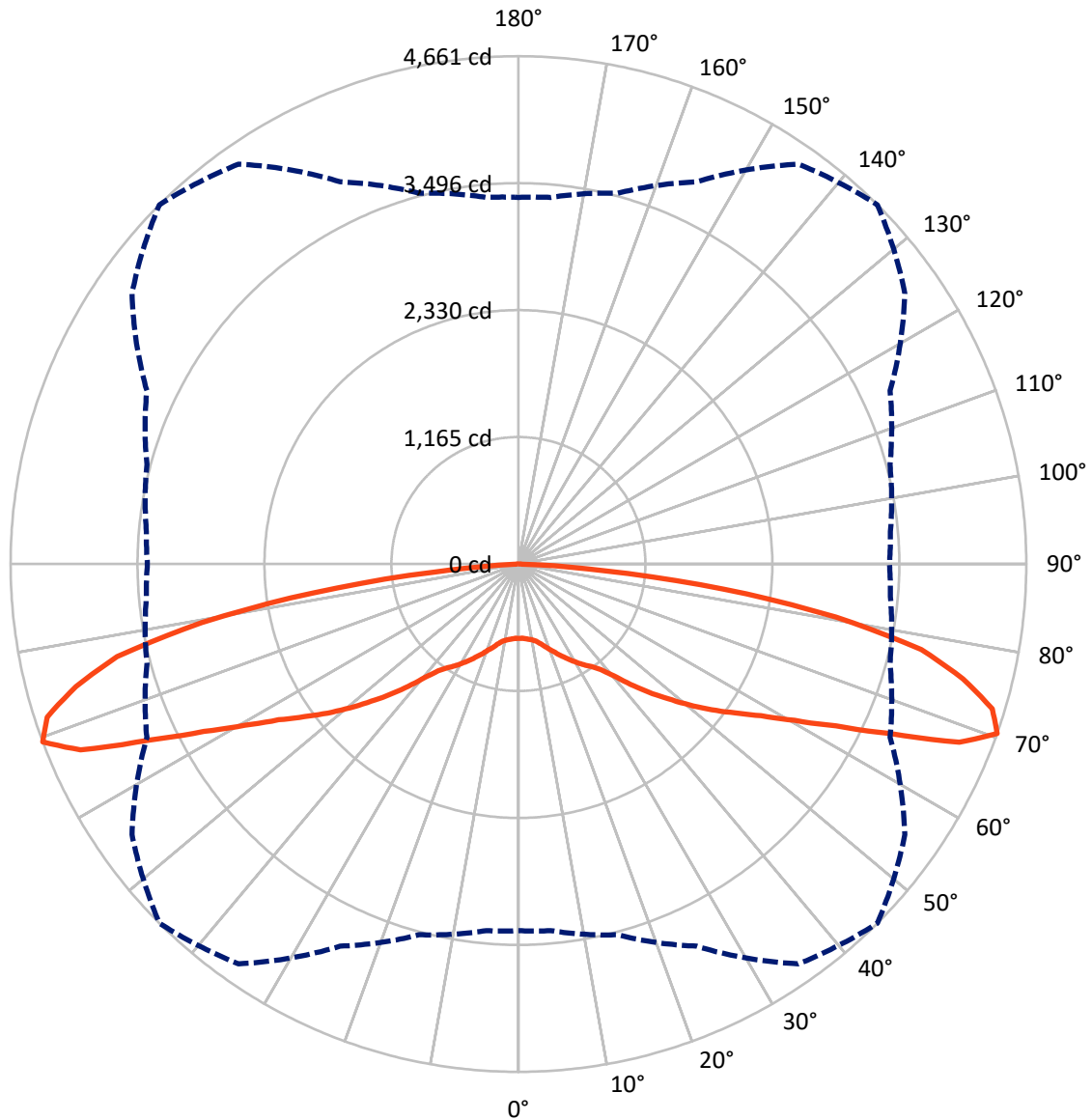
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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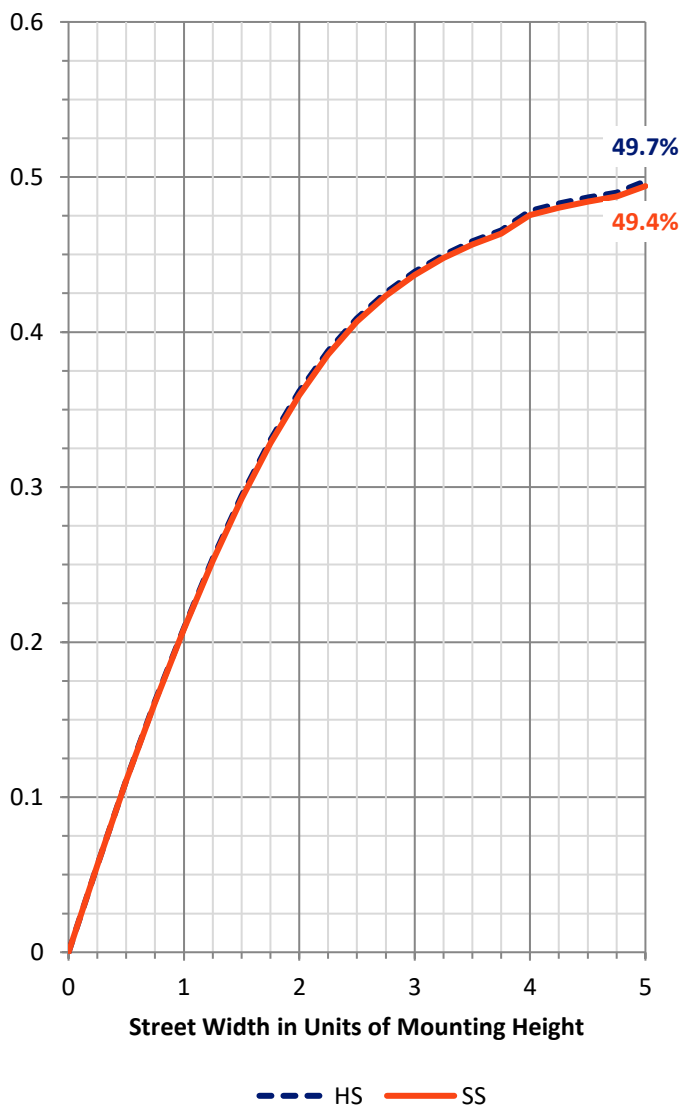
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6340.5	0.0	6340.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6340.5	0.0	6340.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12681.0	0.0	12681.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.5	0.5
10°-20°	217.9	1.7
20°-30°	428.6	3.4
30°-40°	734.0	5.8
40°-50°	1369.5	10.8
50°-60°	2312.3	18.2
60°-70°	3626.5	28.6
70°-80°	3273.7	25.8
80°-90°	652.0	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°	12681.0	100.0
0°-180°	12681.0	100.0

**Coefficient of Utilization**



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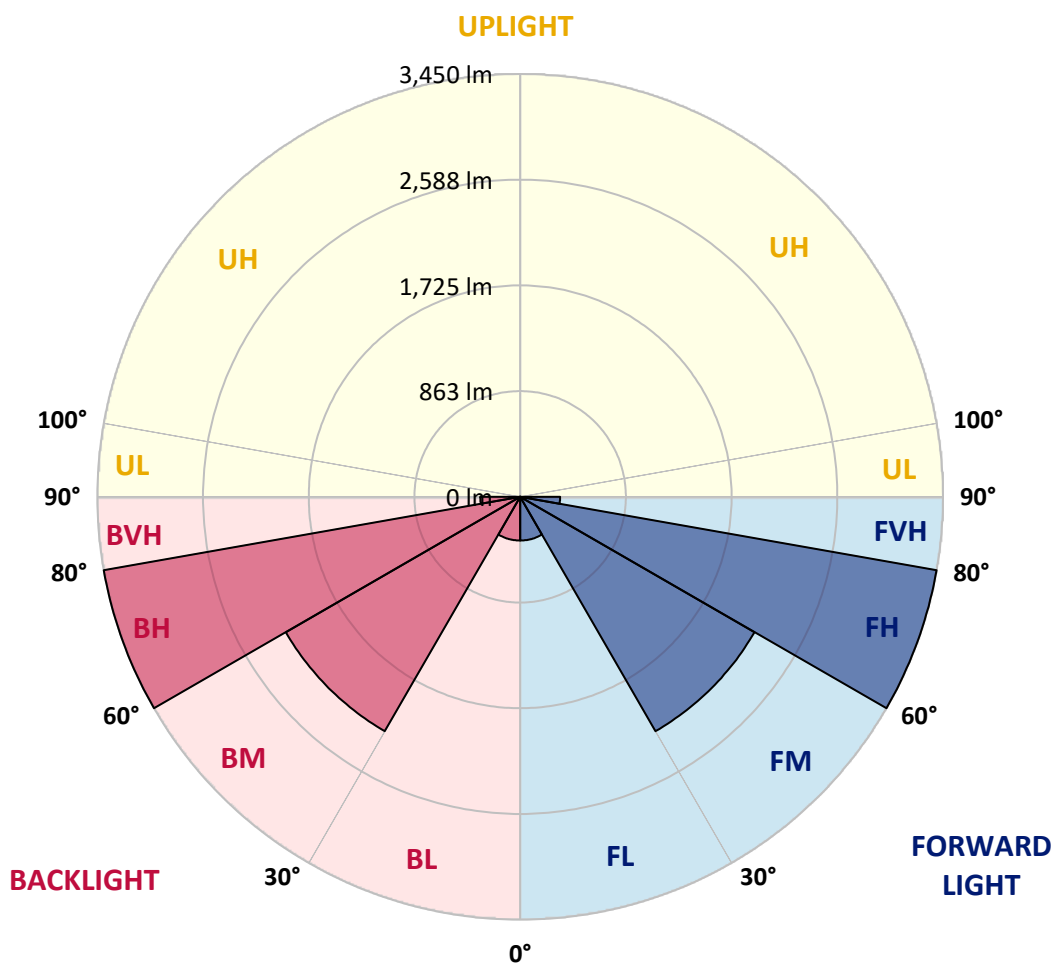
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.5	2.8			
FM	(30°-60°)	2207.9	17.4			
FH	(60°-80°)	3450.1	27.2			G2/5000
FVH	(80°-90°)	326.0	2.6			G3/500
BL	(0°-30°)	356.5	2.8	B1/500		
BM	(30°-60°)	2207.9	17.4	B2/2500		
BH	(60°-80°)	3450.1	27.2	B4/5000		G2/5000
BVH	(80°-90°)	326.0	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°	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0
2.5°	694.4	694.4	687.0	683.0	683.8	681.3	681.3	680.5	683.0	683.0	680.5
5°	698.4	701.7	694.4	688.7	690.3	688.7	687.9	688.7	692.7	694.4	691.1
7.5°	706.6	709.9	700.9	694.4	696.8	697.6	694.4	696.8	699.3	700.9	696.8
10°	719.6	720.5	714.7	705.8	709.9	708.2	707.4	705.8	706.6	707.4	706.6
12.5°	738.4	735.1	728.6	726.2	730.2	727.0	722.9	722.1	725.3	722.9	725.3
15°	762.0	759.6	758.8	756.3	762.8	758.8	757.1	754.7	757.1	752.2	755.5
17.5°	788.1	791.4	792.2	794.6	800.3	799.5	793.8	792.2	793.0	788.1	788.1
20°	826.4	828.0	830.5	831.3	841.1	839.4	832.9	827.2	828.8	820.7	818.3
22.5°	869.6	869.6	868.8	875.3	888.3	888.3	874.5	868.0	870.4	864.7	859.8
25°	912.0	912.0	908.7	917.7	938.1	937.2	923.4	911.2	915.2	912.0	911.2
27.5°	956.0	956.0	951.1	954.4	989.4	991.8	972.3	960.9	960.1	963.3	963.3
30°	1004.1	1001.6	997.6	993.5	1033.4	1045.6	1018.7	1009.8	1010.6	1015.5	1017.1
32.5°	1058.7	1061.1	1054.6	1047.3	1078.2	1102.7	1065.2	1069.3	1071.7	1079.1	1084.8
35°	1137.7	1137.7	1123.1	1114.1	1132.8	1154.8	1135.3	1144.2	1158.9	1169.5	1174.4
37.5°	1226.6	1230.6	1210.3	1190.7	1211.1	1228.2	1227.4	1250.2	1279.5	1315.4	1308.1
40°	1375.7	1376.5	1341.5	1311.3	1317.8	1347.2	1369.2	1411.6	1453.9	1495.5	1493.1
42.5°	1579.5	1567.2	1538.7	1500.4	1495.5	1509.4	1558.3	1602.3	1658.5	1688.7	1695.2
45°	1795.4	1793.0	1753.9	1692.7	1677.3	1678.1	1719.6	1782.4	1845.1	1876.9	1881.8
47.5°	2029.3	2028.5	1968.2	1907.1	1862.3	1846.0	1881.8	1944.6	2010.6	2049.7	2046.4
50°	2276.3	2266.5	2210.3	2130.4	2070.1	2031.8	2051.3	2118.2	2175.2	2213.5	2213.5
52.5°	2524.8	2514.3	2460.5	2367.6	2273.8	2221.7	2212.7	2274.6	2343.9	2385.5	2384.7
55°	2801.1	2779.9	2716.4	2616.9	2508.5	2411.6	2389.6	2438.5	2524.0	2573.7	2590.0
57.5°	3065.2	3051.3	2991.8	2881.8	2759.6	2625.1	2586.8	2647.1	2734.3	2788.9	2803.6
60°	3332.5	3312.1	3260.8	3179.3	3047.3	2912.8	2851.7	2887.5	2983.7	3044.8	3033.4
62.5°	3626.7	3619.4	3576.2	3500.4	3420.5	3271.4	3176.8	3213.5	3314.6	3364.3	3345.5
65°	3853.3	3863.9	3876.9	3885.9	3863.9	3749.8	3643.0	3686.2	3726.1	3731.0	3702.5
67.5°	3678.1	3725.3	3823.1	4033.4	4278.7	4365.1	4154.0	3866.3	3713.9	3677.2	3633.2
70°	3365.1	3377.3	3522.4	3869.6	4480.0	4660.9	4329.2	3762.8	3529.7	3427.0	3405.0
72.5°	2930.7	2996.7	3171.1	3636.5	4335.8	4547.7	4230.6	3538.7	3190.7	3056.2	3029.3
75°	2422.2	2509.4	2711.5	3245.3	3982.1	4215.1	3927.5	3128.8	2690.3	2551.7	2544.4
77.5°	1796.2	1832.9	2123.1	2671.5	3533.8	3779.9	3463.7	2585.2	2148.3	1927.5	1935.6
80°	995.9	1039.1	1321.9	1841.1	2688.7	2955.2	2635.7	1862.3	1426.2	1251.0	1238.0
82.5°	438.5	471.9	665.0	1039.1	1669.9	1901.4	1578.6	983.7	662.6	501.2	482.5
85°	131.2	145.1	229.0	416.5	797.1	787.3	503.7	225.8	90.5	49.7	47.3
87.5°	31.0	34.2	61.9	95.4	101.9	38.3	17.9	15.5	15.5	15.5	15.5
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)