

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: P509106

Luminaire Tested: **VERD-CA2-110-722-U-T5**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509106  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-CA2-110-722-U-T5  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 1020mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13518 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G3

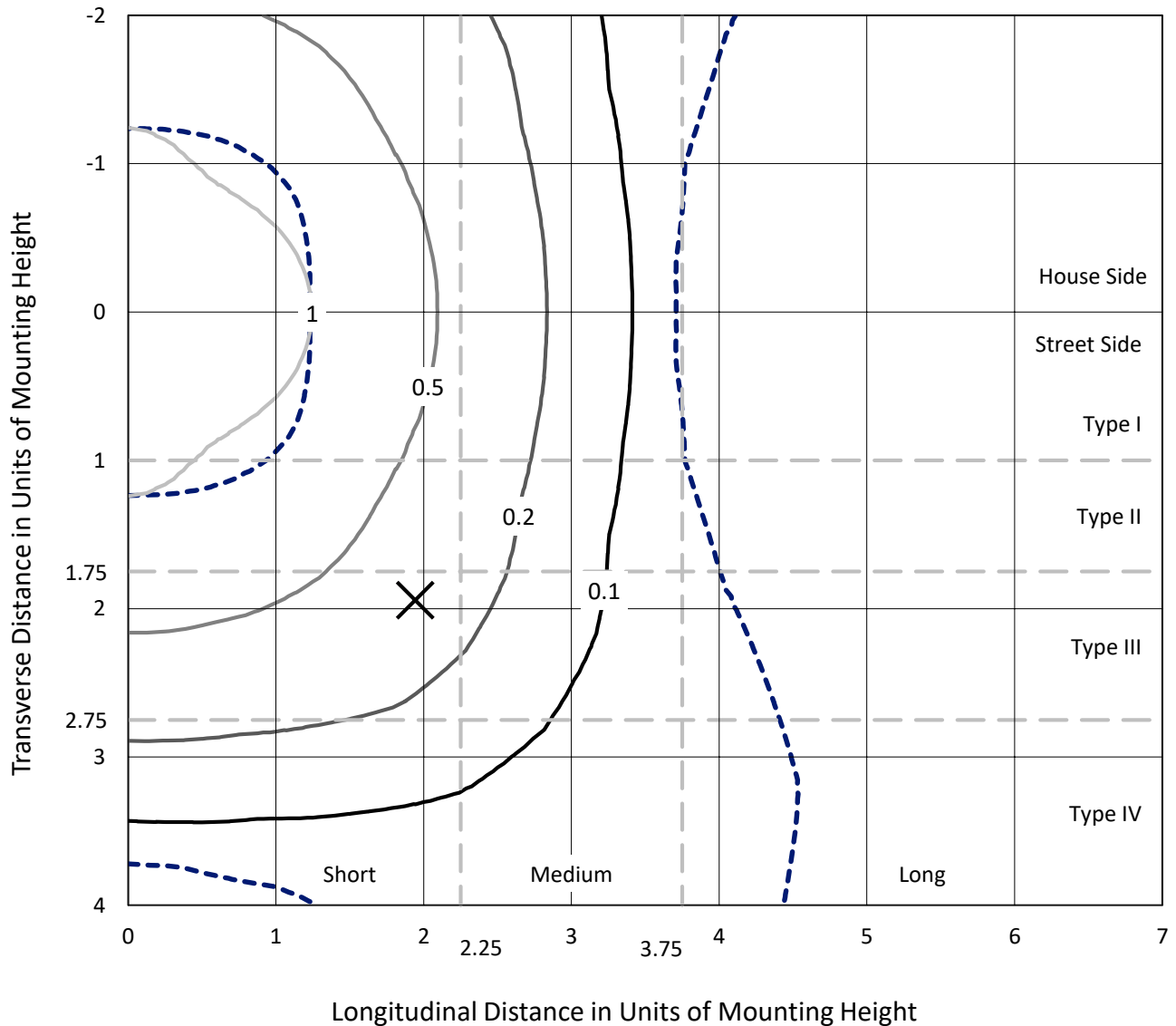
Input Watts (W): 113.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

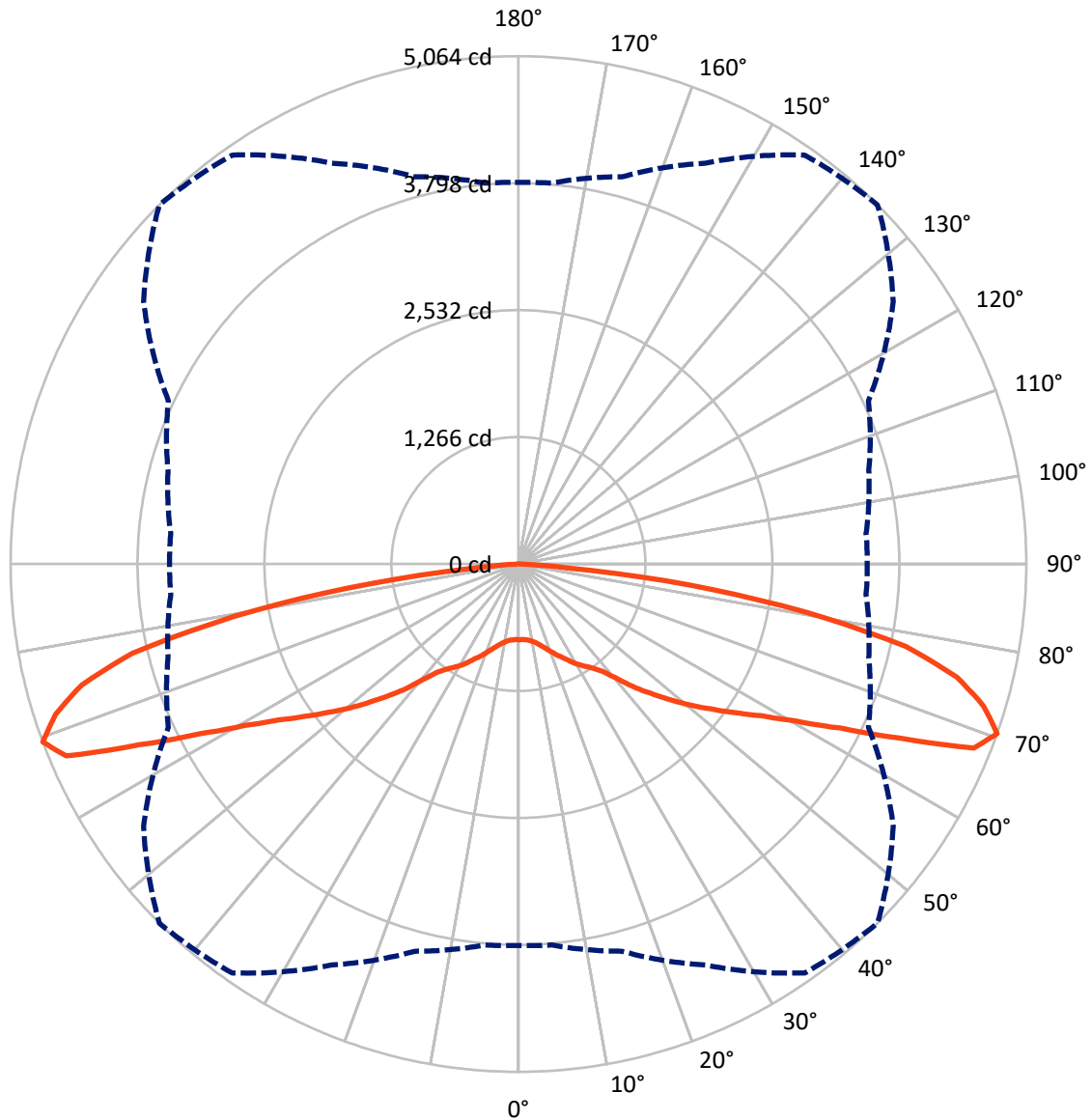
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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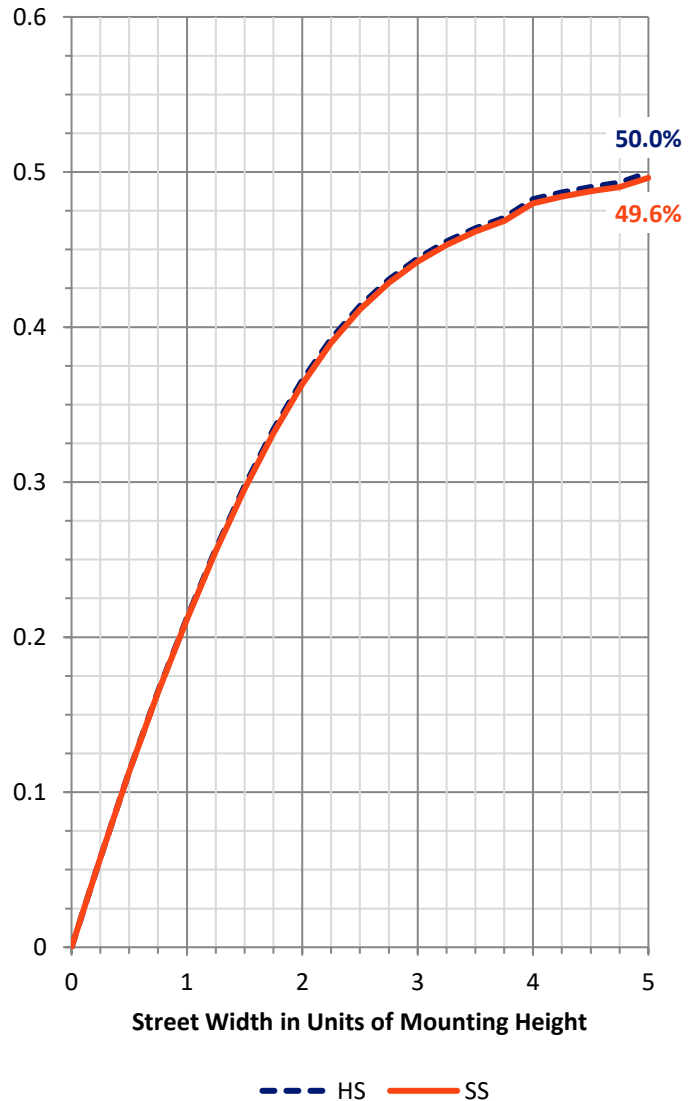
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6759.0	0.0	6759.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6759.0	0.0	6759.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13518.0	0.0	13518.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.4	0.5
10°-20°	241.5	1.8
20°-30°	474.3	3.5
30°-40°	813.5	6.0
40°-50°	1493.7	11.0
50°-60°	2513.8	18.6
60°-70°	3971.9	29.4
70°-80°	3389.5	25.1
80°-90°	546.5	4.0
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°	13518.0	100.0
0°-180°	13518.0	100.0

**Coefficient of Utilization**



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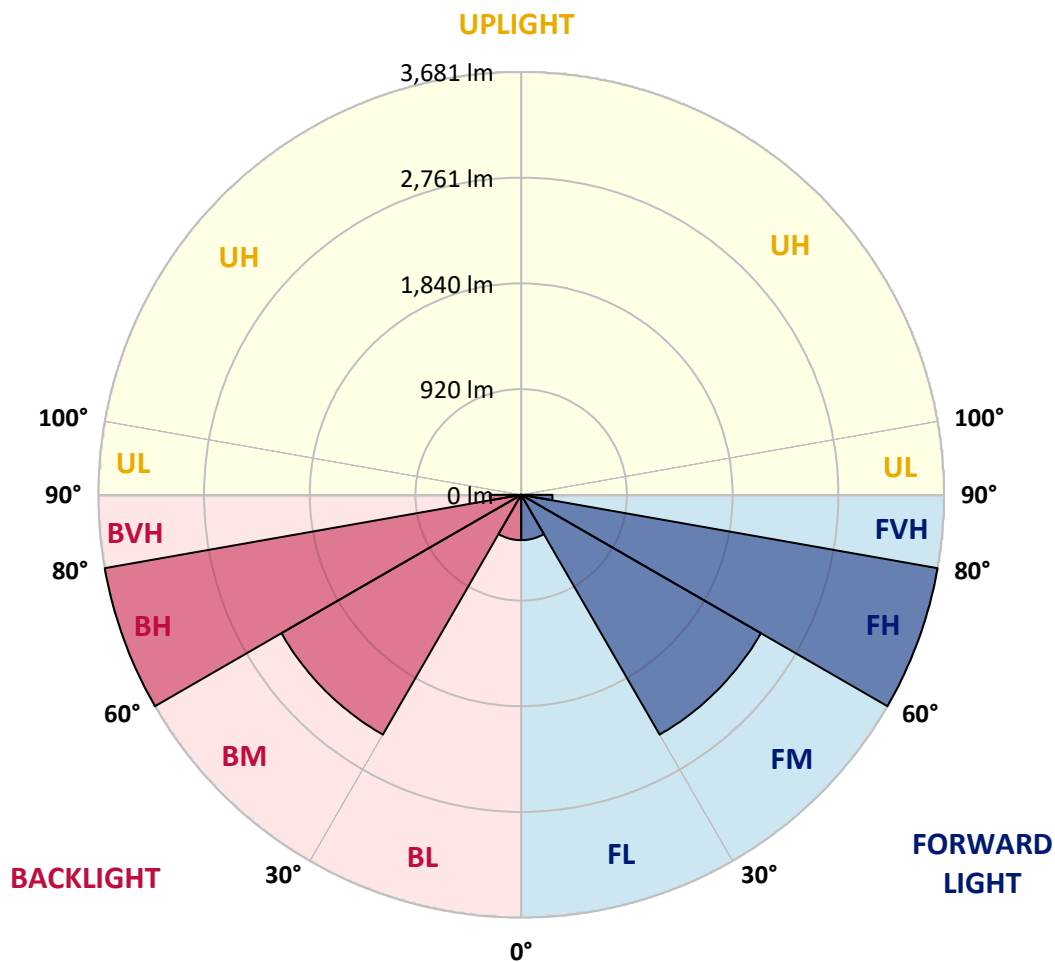
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	394.6	2.9			
FM	(30°-60°)	2410.5	17.8			
FH	(60°-80°)	3680.7	27.2			G2/5000
FVH	(80°-90°)	273.2	2.0			G3/500
BL	(0°-30°)	394.6	2.9	B1/500		
BM	(30°-60°)	2410.5	17.8	B2/2500		
BH	(60°-80°)	3680.7	27.2	B4/5000		G2/5000
BVH	(80°-90°)	273.2	2.0			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°	755.6	755.6	755.6	755.6	755.6	755.6	755.6	755.6	755.6	755.6	755.6
2.5°	757.0	761.3	757.0	757.0	754.2	752.8	752.8	752.8	755.6	758.5	758.5
5°	762.7	765.6	761.3	761.3	758.5	758.5	758.5	758.5	761.3	764.1	762.7
7.5°	772.7	776.9	772.7	772.7	769.8	767.0	767.0	768.4	769.8	771.2	769.8
10°	789.7	795.4	789.7	792.6	786.9	785.5	784.0	784.0	785.5	785.5	785.5
12.5°	811.0	815.3	812.4	815.3	809.6	809.6	805.3	805.3	803.9	803.9	803.9
15°	839.4	845.1	842.3	846.5	843.7	843.7	839.4	835.2	833.7	833.7	833.7
17.5°	873.5	879.2	877.8	884.9	882.0	884.9	876.4	869.3	870.7	870.7	869.3
20°	913.3	919.0	919.0	928.9	928.9	931.7	920.4	913.3	910.4	911.9	910.4
22.5°	957.3	963.0	961.6	977.2	985.7	985.7	970.1	964.4	958.7	960.2	957.3
25°	1005.6	1012.7	1005.6	1019.8	1034.0	1035.4	1022.6	1008.4	1008.4	1015.5	1012.7
27.5°	1046.8	1055.3	1051.1	1056.7	1088.0	1096.5	1076.6	1061.0	1063.8	1069.5	1065.3
30°	1096.5	1103.6	1096.5	1100.8	1130.6	1159.0	1122.1	1117.8	1123.5	1129.2	1129.2
32.5°	1160.4	1168.9	1156.2	1160.4	1170.4	1214.4	1181.7	1187.4	1200.2	1213.0	1213.0
35°	1235.7	1244.2	1231.4	1231.4	1235.7	1272.6	1262.7	1279.7	1305.3	1332.3	1338.0
37.5°	1330.9	1335.1	1320.9	1315.2	1323.8	1353.6	1367.8	1406.1	1447.3	1497.0	1505.6
40°	1460.1	1465.8	1445.9	1440.2	1445.9	1488.5	1528.3	1596.5	1653.3	1705.8	1711.5
42.5°	1651.9	1668.9	1649.0	1630.6	1630.6	1668.9	1724.3	1806.7	1879.1	1913.2	1921.7
45°	1863.5	1879.1	1836.5	1812.4	1802.4	1833.7	1894.7	1991.3	2059.5	2114.9	2110.6
47.5°	2114.9	2109.2	2069.4	2026.8	1995.6	2015.5	2072.3	2156.1	2229.9	2279.7	2281.1
50°	2396.1	2394.7	2342.1	2258.3	2198.7	2207.2	2245.6	2335.0	2408.9	2455.8	2467.1
52.5°	2695.8	2685.9	2616.3	2519.7	2430.2	2401.8	2417.4	2497.0	2576.5	2630.5	2630.5
55°	2995.5	2982.7	2924.5	2796.7	2690.1	2613.4	2602.1	2681.6	2772.5	2837.9	2842.1
57.5°	3305.1	3308.0	3245.5	3136.1	2972.8	2854.9	2823.6	2914.5	3011.1	3070.8	3086.4
60°	3620.5	3617.6	3569.3	3492.6	3329.3	3175.9	3124.8	3177.3	3299.5	3346.3	3364.8
62.5°	4022.4	4032.4	3961.3	3907.4	3752.6	3604.8	3508.3	3559.4	3680.1	3745.5	3746.9
65°	4239.7	4259.6	4290.9	4388.9	4337.7	4187.2	4065.0	4005.4	3968.4	3947.1	3934.4
67.5°	4117.6	4119.0	4253.9	4503.9	4799.3	4895.9	4430.1	4012.5	3859.1	3816.5	3805.1
70°	3803.7	3812.2	3996.9	4410.2	4976.9	5063.5	4562.2	3850.6	3616.2	3479.8	3478.4
72.5°	3178.7	3282.4	3525.3	4137.5	4861.8	4851.9	4350.5	3589.2	3219.9	3085.0	3069.4
75°	2515.4	2545.3	2881.9	3570.7	4435.7	4518.1	4042.3	3120.5	2691.6	2514.0	2504.1
77.5°	1607.8	1634.8	2005.5	2771.1	3748.3	3948.6	3448.6	2492.7	2012.6	1764.1	1757.0
80°	785.5	862.1	1143.4	1803.8	2705.8	2894.7	2426.0	1593.6	1191.7	957.3	937.4
82.5°	322.4	339.5	556.8	998.5	1587.9	1715.8	1240.0	741.4	440.3	291.2	269.9
85°	96.6	98.0	170.4	356.5	669.0	484.3	250.0	106.5	46.9	34.1	32.7
87.5°	17.0	18.5	31.2	42.6	41.2	18.5	17.0	15.6	15.6	15.6	17.0
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)