

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: P509498

Luminaire Tested: **VERD-G-CA2-110-727-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509498  
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-CA2-110-727-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2700K, 1020mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14324 lumens  
Efficiency: N/A  
Efficacy: 126.5 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

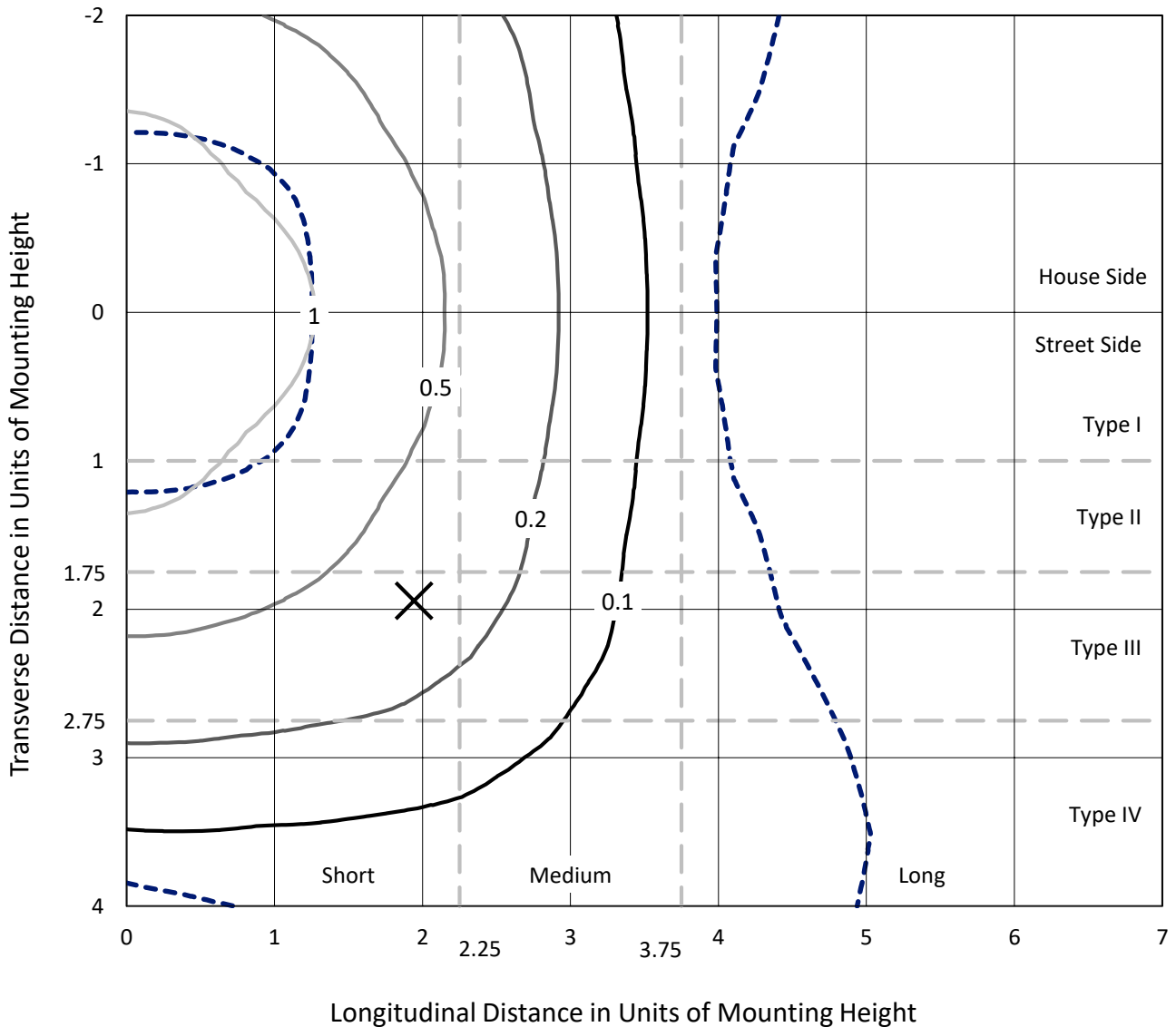
Input Watts (W): 113.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

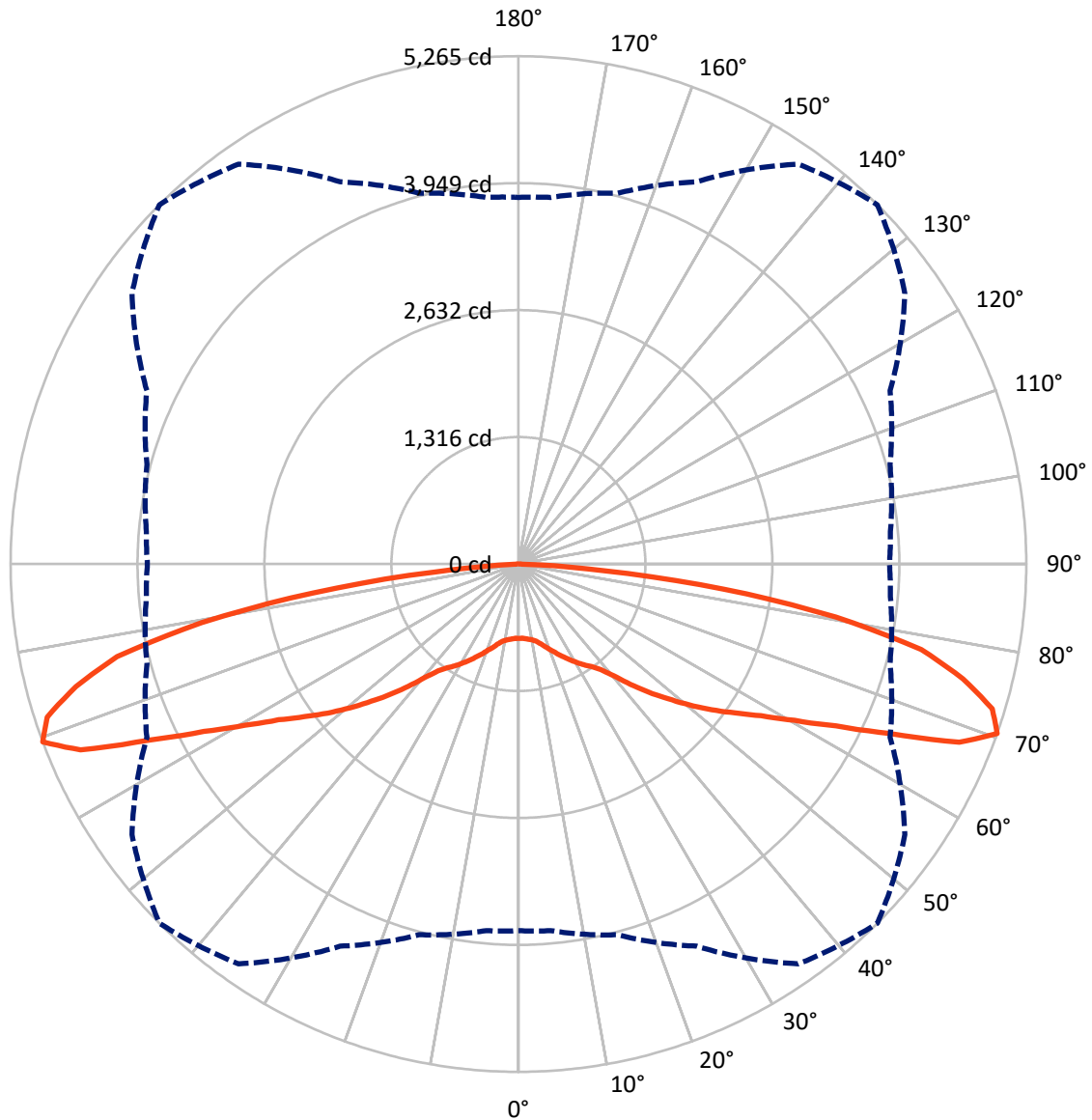
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P509498  
CATALOG NUMBER: VERD-G-CA2-110-727-U-T5

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: VERD-G-CA2-110-727-U-T5

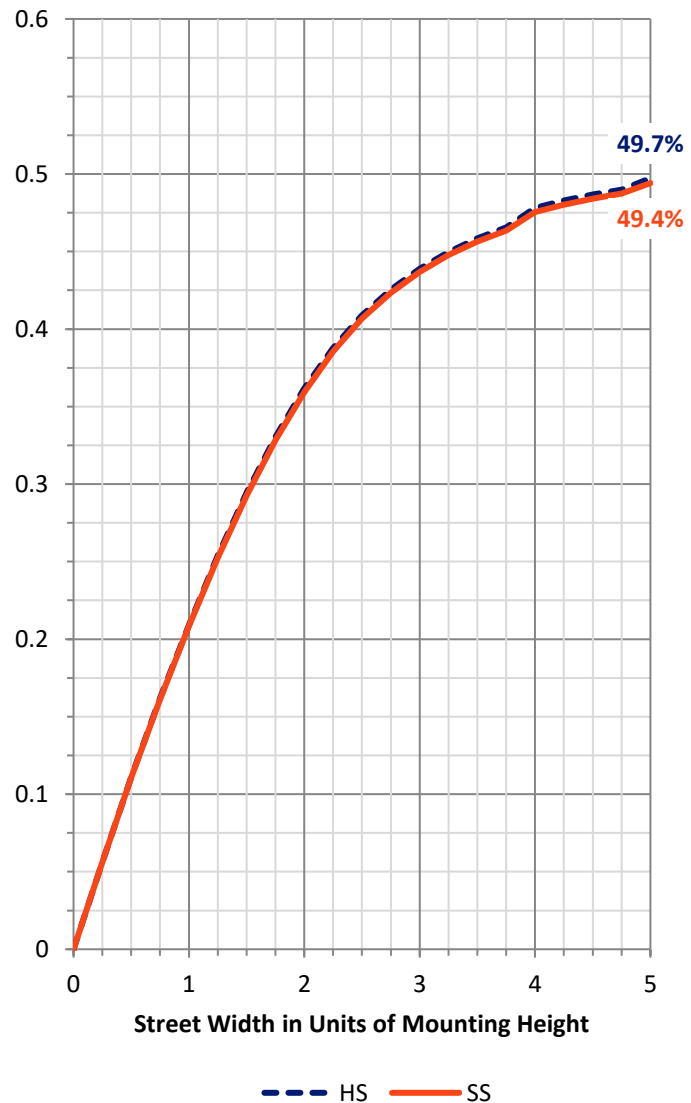
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7162.0	0.0	7162.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7162.0	0.0	7162.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14324.0	0.0	14324.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.2	0.5
10°-20°	246.1	1.7
20°-30°	484.2	3.4
30°-40°	829.2	5.8
40°-50°	1546.9	10.8
50°-60°	2611.9	18.2
60°-70°	4096.3	28.6
70°-80°	3697.8	25.8
80°-90°	736.4	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°	14324.0	100.0
0°-180°	14324.0	100.0



REPORT NUMBER: P509498

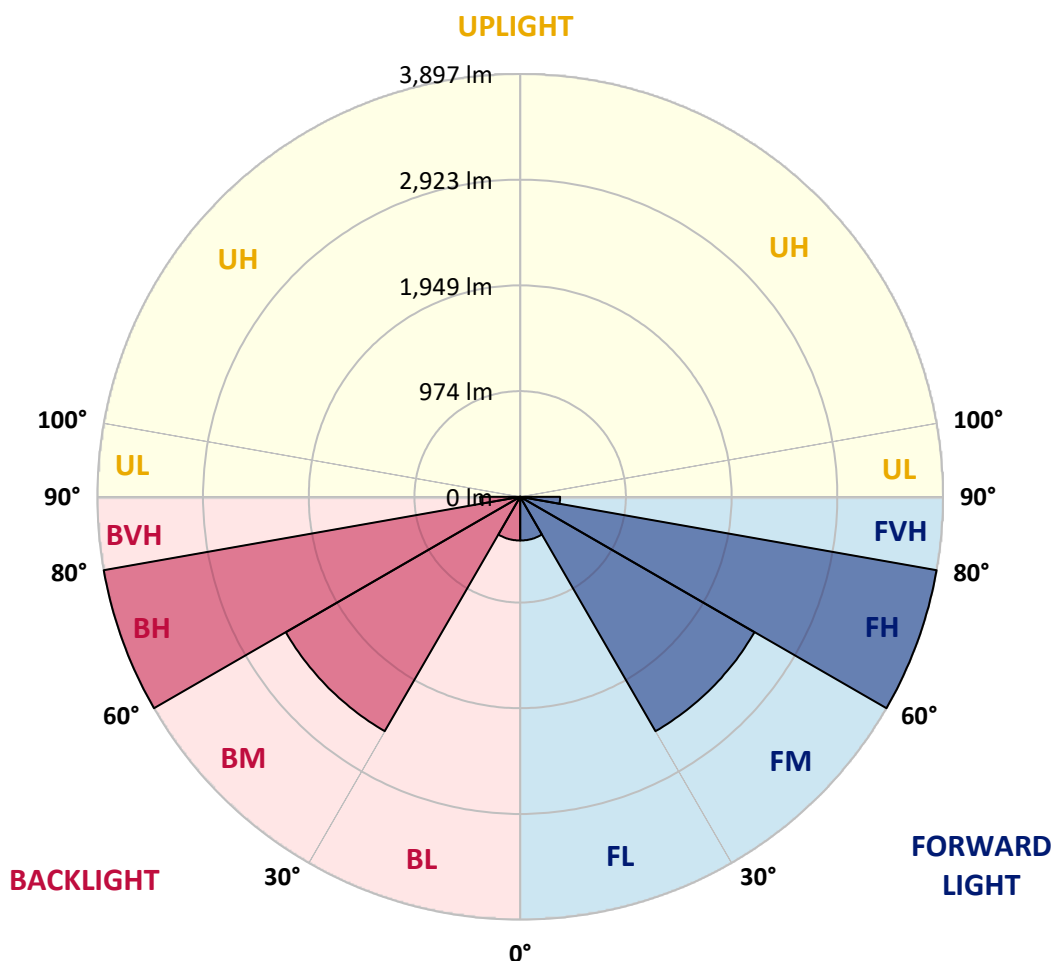
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.7	2.8			
FM (30°-60°)	2494.0	17.4			
FH (60°-80°)	3897.1	27.2			G2/5000
FVH (80°-90°)	368.2	2.6			G3/500
BL (0°-30°)	402.7	2.8	B1/500		
BM (30°-60°)	2494.0	17.4	B2/2500		
BH (60°-80°)	3897.1	27.2	B4/5000		G2/5000
BVH (80°-90°)	368.2	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°	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5
2.5°	784.3	784.3	776.1	771.5	772.4	769.6	769.6	768.7	771.5	771.5	768.7
5°	788.9	792.6	784.3	777.9	779.7	777.9	777.0	777.9	782.5	784.3	780.7
7.5°	798.1	801.8	791.7	784.3	787.1	788.0	784.3	787.1	789.9	791.7	787.1
10°	812.9	813.8	807.4	797.2	801.8	800.0	799.1	797.2	798.1	799.1	798.1
12.5°	834.1	830.4	823.0	820.2	824.8	821.2	816.6	815.6	819.3	816.6	819.3
15°	860.7	858.0	857.1	854.3	861.7	857.1	855.2	852.5	855.2	849.7	853.4
17.5°	890.2	893.9	894.8	897.6	904.0	903.1	896.7	894.8	895.7	890.2	890.2
20°	933.5	935.3	938.1	939.0	950.0	948.2	940.8	934.4	936.2	927.0	924.3
22.5°	982.3	982.3	981.3	988.7	1003.4	1003.4	987.8	980.4	983.2	976.7	971.2
25°	1030.1	1030.1	1026.5	1036.6	1059.6	1058.7	1043.0	1029.2	1033.8	1030.1	1029.2
27.5°	1079.8	1079.8	1074.3	1078.0	1117.6	1120.4	1098.3	1085.4	1084.5	1088.1	1088.1
30°	1134.2	1131.4	1126.8	1122.2	1167.3	1181.1	1150.7	1140.6	1141.5	1147.1	1148.9
32.5°	1195.8	1198.6	1191.2	1183.0	1217.9	1245.6	1203.2	1207.8	1210.6	1218.9	1225.3
35°	1285.1	1285.1	1268.6	1258.4	1279.6	1304.5	1282.4	1292.5	1309.1	1321.0	1326.6
37.5°	1385.5	1390.1	1367.1	1345.0	1368.0	1387.3	1386.4	1412.2	1445.3	1485.8	1477.5
40°	1553.9	1554.9	1515.3	1481.2	1488.6	1521.7	1546.6	1594.5	1642.3	1689.3	1686.5
42.5°	1784.1	1770.3	1738.1	1694.8	1689.3	1704.9	1760.2	1809.9	1873.4	1907.5	1914.8
45°	2028.1	2025.3	1981.1	1912.1	1894.6	1895.5	1942.4	2013.3	2084.2	2120.1	2125.6
47.5°	2292.3	2291.3	2223.2	2154.2	2103.5	2085.1	2125.6	2196.5	2271.1	2315.3	2311.6
50°	2571.2	2560.2	2496.6	2406.4	2338.3	2295.0	2317.1	2392.6	2457.0	2500.3	2500.3
52.5°	2852.0	2840.0	2779.3	2674.3	2568.4	2509.5	2499.4	2569.4	2647.6	2694.6	2693.6
55°	3164.1	3140.1	3068.3	2956.0	2833.6	2724.0	2699.2	2754.4	2851.1	2907.2	2925.6
57.5°	3462.3	3446.7	3379.5	3255.2	3117.1	2965.2	2921.9	2990.1	3088.6	3150.2	3166.8
60°	3764.3	3741.3	3683.3	3591.2	3442.1	3290.2	3221.1	3261.6	3370.3	3439.3	3426.4
62.5°	4096.6	4088.3	4039.5	3953.9	3863.7	3695.2	3588.4	3629.9	3744.0	3800.2	3779.0
65°	4352.5	4364.5	4379.2	4389.4	4364.5	4235.6	4115.0	4163.8	4208.9	4214.4	4182.2
67.5°	4154.6	4208.0	4318.5	4556.0	4833.1	4930.7	4692.2	4367.3	4195.1	4153.7	4104.0
70°	3801.1	3814.9	3978.8	4370.9	5060.5	5264.8	4890.2	4250.3	3987.1	3871.1	3846.2
72.5°	3310.4	3385.0	3582.0	4107.7	4897.5	5136.9	4778.8	3997.2	3604.1	3452.2	3421.8
75°	2736.0	2834.5	3062.8	3665.8	4498.0	4761.3	4436.3	3534.1	3038.9	2882.4	2874.1
77.5°	2029.0	2070.4	2398.1	3017.7	3991.7	4269.7	3912.5	2920.1	2426.7	2177.2	2186.4
80°	1125.0	1173.7	1493.2	2079.6	3037.0	3338.0	2977.2	2103.5	1611.0	1413.1	1398.4
82.5°	495.3	533.0	751.2	1173.7	1886.3	2147.7	1783.2	1111.1	748.4	566.2	545.0
85°	148.2	163.9	258.7	470.4	900.3	889.3	568.9	255.0	102.2	56.2	53.4
87.5°	35.0	38.7	70.0	107.7	115.1	43.3	20.3	17.5	17.5	17.5	17.5
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)