

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: P509522

Luminaire Tested: **VERD-G-CA2-110-750-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509522  
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-CA2-110-750-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5000K, 1020mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17225 lumens  
Efficiency: N/A  
Efficacy: 152.2 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

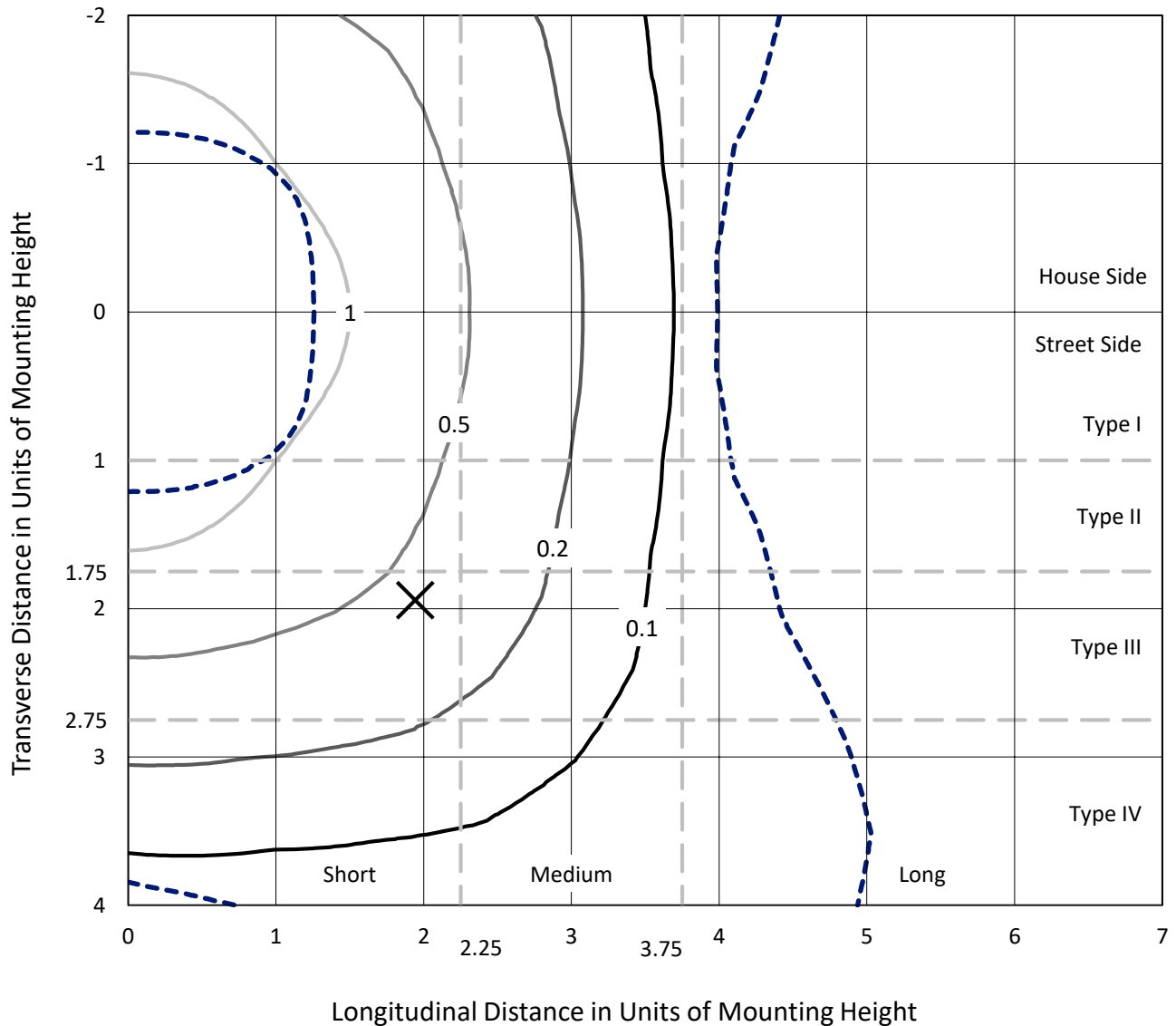
Input Watts (W): 113.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

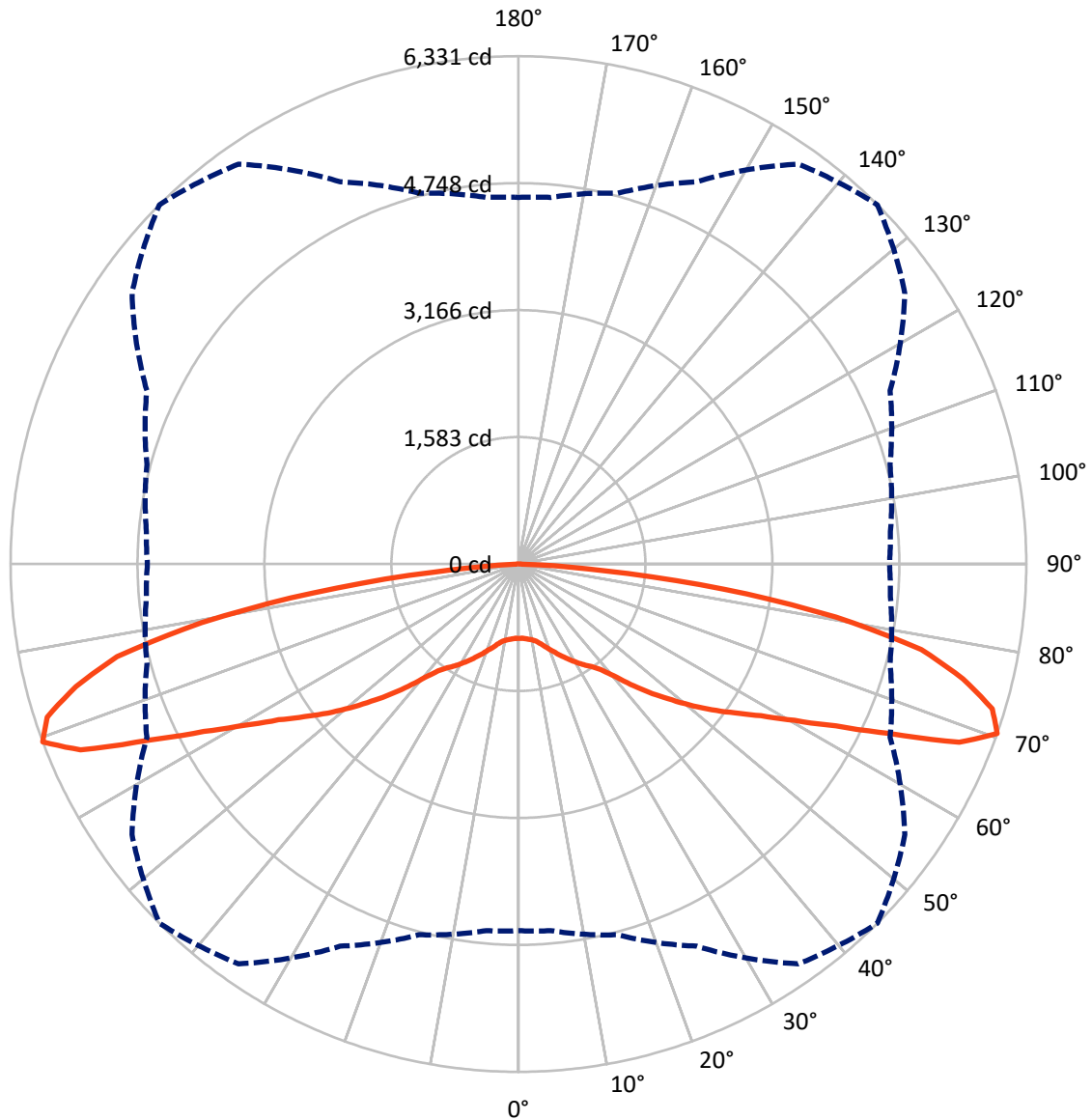
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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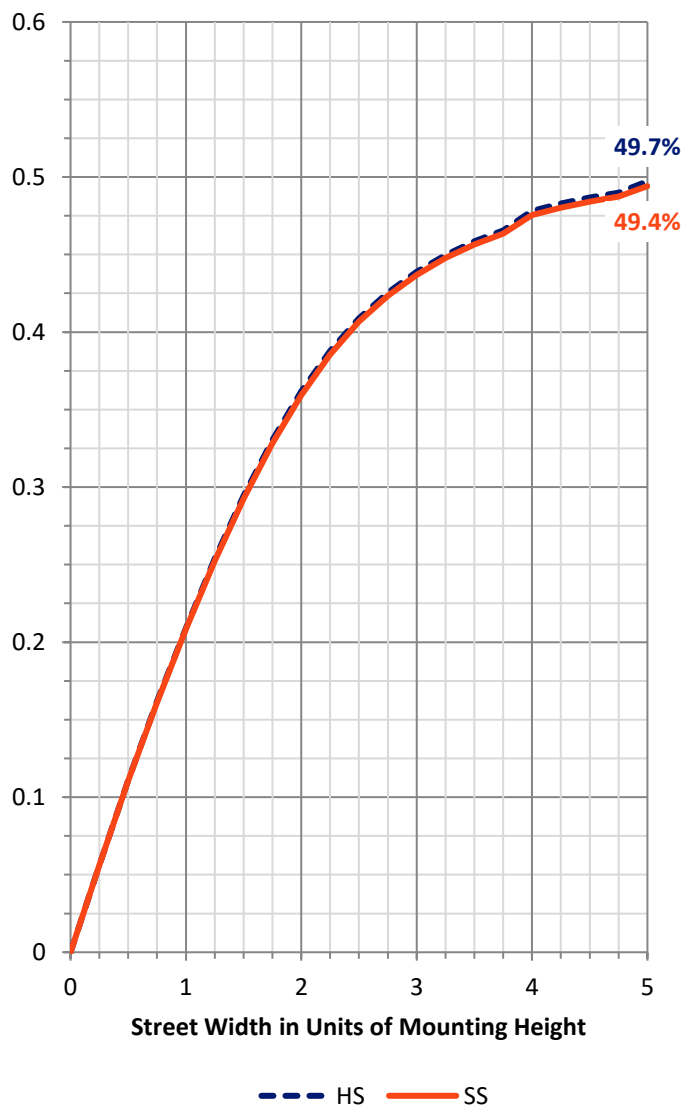
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8612.5	0.0	8612.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8612.5	0.0	8612.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17225.0	0.0	17225.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.4	0.5
10°-20°	295.9	1.7
20°-30°	582.2	3.4
30°-40°	997.1	5.8
40°-50°	1860.2	10.8
50°-60°	3140.9	18.2
60°-70°	4925.9	28.6
70°-80°	4446.7	25.8
80°-90°	885.6	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°	17225.0	100.0
0°-180°	17225.0	100.0

**Coefficient of Utilization**



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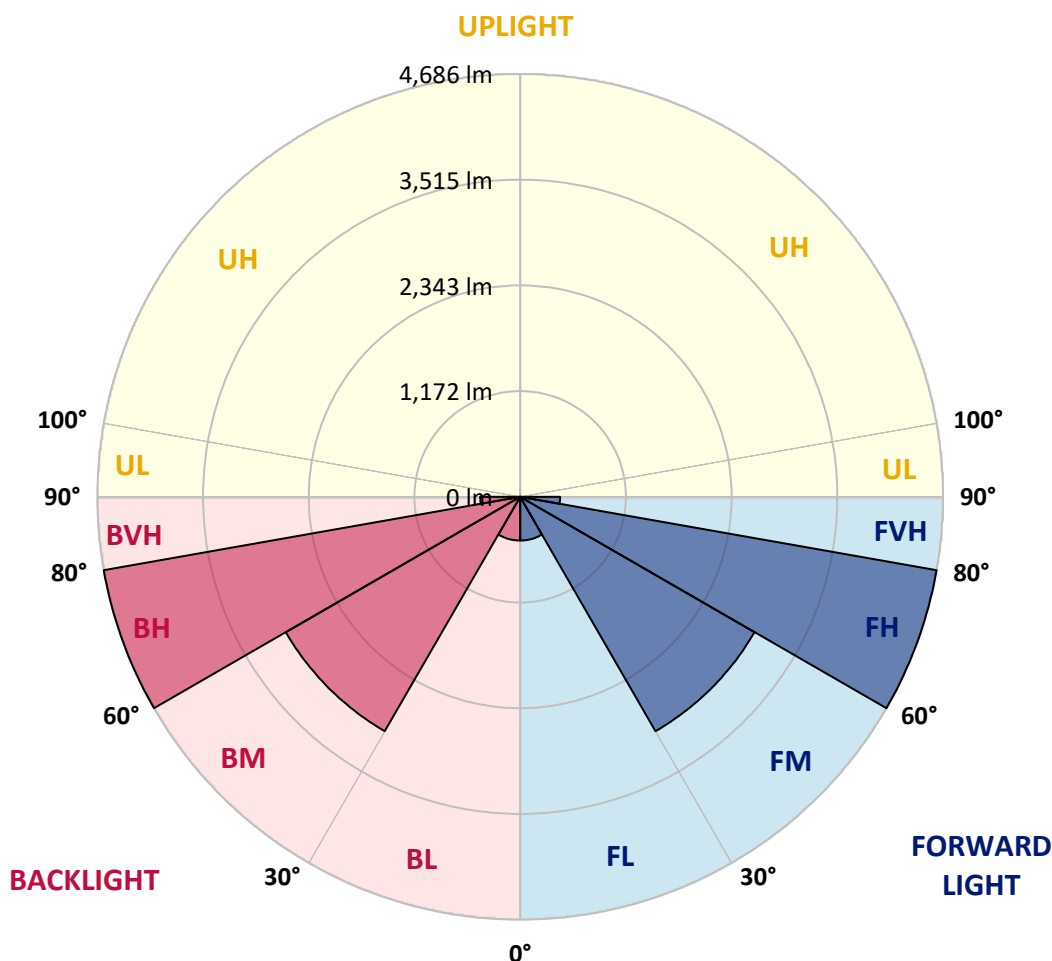
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	484.3	2.8			
FM	(30°-60°)	2999.1	17.4			
FH	(60°-80°)	4686.3	27.2			G2/5000
FVH	(80°-90°)	442.8	2.6			G3/500
BL	(0°-30°)	484.3	2.8	B1/500		
BM	(30°-60°)	2999.1	17.4	B3/5000		
BH	(60°-80°)	4686.3	27.2	B4/5000		G2/5000
BVH	(80°-90°)	442.8	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°	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7
2.5°	943.2	943.2	933.2	927.7	928.8	925.5	925.5	924.4	927.7	927.7	924.4
5°	948.7	953.2	943.2	935.4	937.7	935.4	934.3	935.4	941.0	943.2	938.8
7.5°	959.8	964.2	952.0	943.2	946.5	947.6	943.2	946.5	949.8	952.0	946.5
10°	977.5	978.6	970.9	958.7	964.2	962.0	960.9	958.7	959.8	960.9	959.8
12.5°	1003.0	998.5	989.7	986.4	991.9	987.5	981.9	980.8	985.3	981.9	985.3
15°	1035.1	1031.8	1030.6	1027.3	1036.2	1030.6	1028.4	1025.1	1028.4	1021.8	1026.2
17.5°	1070.5	1074.9	1076.0	1079.4	1087.1	1086.0	1078.2	1076.0	1077.1	1070.5	1070.5
20°	1122.5	1124.7	1128.1	1129.2	1142.5	1140.2	1131.4	1123.6	1125.8	1114.8	1111.5
22.5°	1181.2	1181.2	1180.1	1189.0	1206.7	1206.7	1187.8	1179.0	1182.3	1174.6	1167.9
25°	1238.8	1238.8	1234.3	1246.5	1274.2	1273.1	1254.3	1237.7	1243.2	1238.8	1237.7
27.5°	1298.5	1298.5	1291.9	1296.3	1343.9	1347.3	1320.7	1305.2	1304.1	1308.5	1308.5
30°	1363.9	1360.5	1355.0	1349.5	1403.7	1420.3	1383.8	1371.6	1372.7	1379.4	1381.6
32.5°	1438.0	1441.4	1432.5	1422.5	1464.6	1497.8	1446.9	1452.4	1455.7	1465.7	1473.5
35°	1545.4	1545.4	1525.5	1513.3	1538.8	1568.7	1542.1	1554.3	1574.2	1588.6	1595.2
37.5°	1666.1	1671.6	1643.9	1617.4	1645.0	1668.3	1667.2	1698.2	1738.0	1786.7	1776.8
40°	1868.7	1869.8	1822.2	1781.2	1790.1	1829.9	1859.8	1917.4	1974.9	2031.4	2028.1
42.5°	2145.4	2128.8	2090.1	2038.0	2031.4	2050.2	2116.6	2176.4	2252.8	2293.8	2302.6
45°	2438.8	2435.5	2382.3	2299.3	2278.3	2279.4	2335.8	2421.1	2506.3	2549.5	2556.1
47.5°	2756.5	2755.4	2673.5	2590.5	2529.6	2507.4	2556.1	2641.4	2731.0	2784.2	2779.8
50°	3091.9	3078.7	3002.3	2893.8	2811.9	2759.8	2786.4	2877.2	2954.7	3006.7	3006.7
52.5°	3429.6	3415.2	3342.1	3215.9	3088.6	3017.8	3005.6	3089.7	3183.8	3240.3	3239.2
55°	3804.9	3776.1	3689.7	3554.7	3407.4	3275.7	3245.8	3312.2	3428.5	3496.0	3518.1
57.5°	4163.5	4144.7	4063.9	3914.5	3748.4	3565.7	3513.7	3595.6	3714.1	3788.3	3808.2
60°	4526.6	4499.0	4429.2	4318.5	4139.2	3956.5	3873.5	3922.2	4052.8	4135.9	4120.4
62.5°	4926.3	4916.3	4857.6	4754.7	4646.2	4443.6	4315.2	4365.0	4502.3	4569.8	4544.4
65°	5234.0	5248.4	5266.1	5278.3	5248.4	5093.4	4948.4	5007.1	5061.3	5068.0	5029.2
67.5°	4996.0	5060.2	5193.1	5478.7	5811.9	5929.3	5642.5	5251.8	5044.7	4994.9	4935.1
70°	4570.9	4587.5	4784.6	5256.2	6085.3	6331.1	5880.5	5111.2	4794.5	4655.1	4625.2
72.5°	3980.9	4070.6	4307.5	4939.6	5889.4	6177.2	5746.6	4806.7	4334.0	4151.4	4114.8
75°	3290.1	3408.5	3683.1	4408.2	5408.9	5725.6	5334.8	4249.9	3654.3	3466.1	3456.1
77.5°	2439.9	2489.7	2883.8	3628.8	4800.1	5134.4	4704.9	3511.5	2918.1	2618.1	2629.2
80°	1352.8	1411.5	1795.6	2500.8	3652.1	4014.1	3580.1	2529.6	1937.3	1699.3	1681.6
82.5°	595.6	641.0	903.3	1411.5	2268.3	2582.7	2144.3	1336.2	900.0	680.8	655.4
85°	178.2	197.1	311.1	565.7	1082.7	1069.4	684.1	306.6	122.9	67.5	64.2
87.5°	42.1	46.5	84.1	129.5	138.4	52.0	24.4	21.0	21.0	21.0	21.0
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)