

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: P509562

Luminaire Tested: **VERD-G-CA2-120-740-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509562  
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-CA2-120-740-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1120mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18241 lumens  
Efficiency: N/A  
Efficacy: 146.3 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

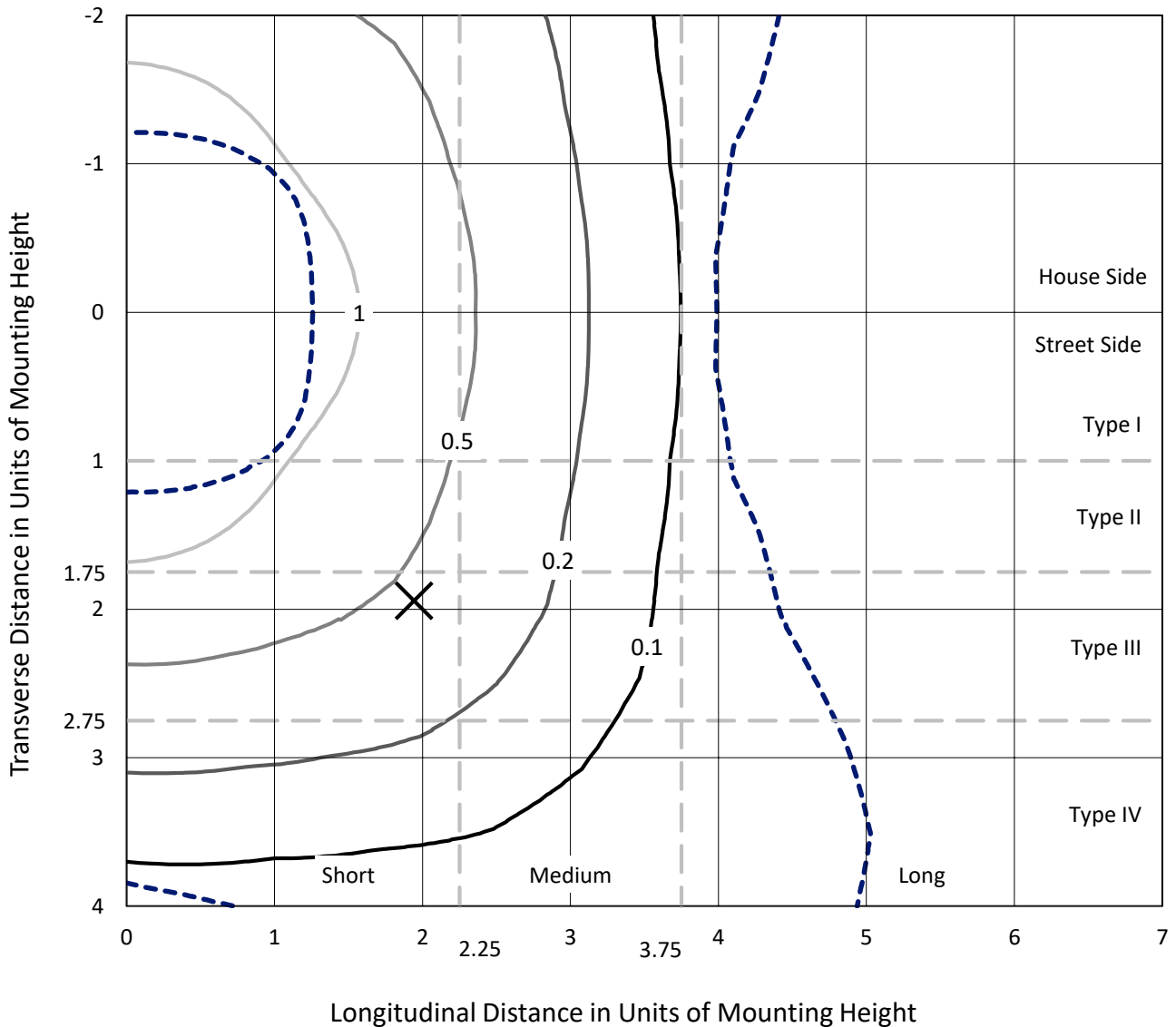
Input Watts (W): 124.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

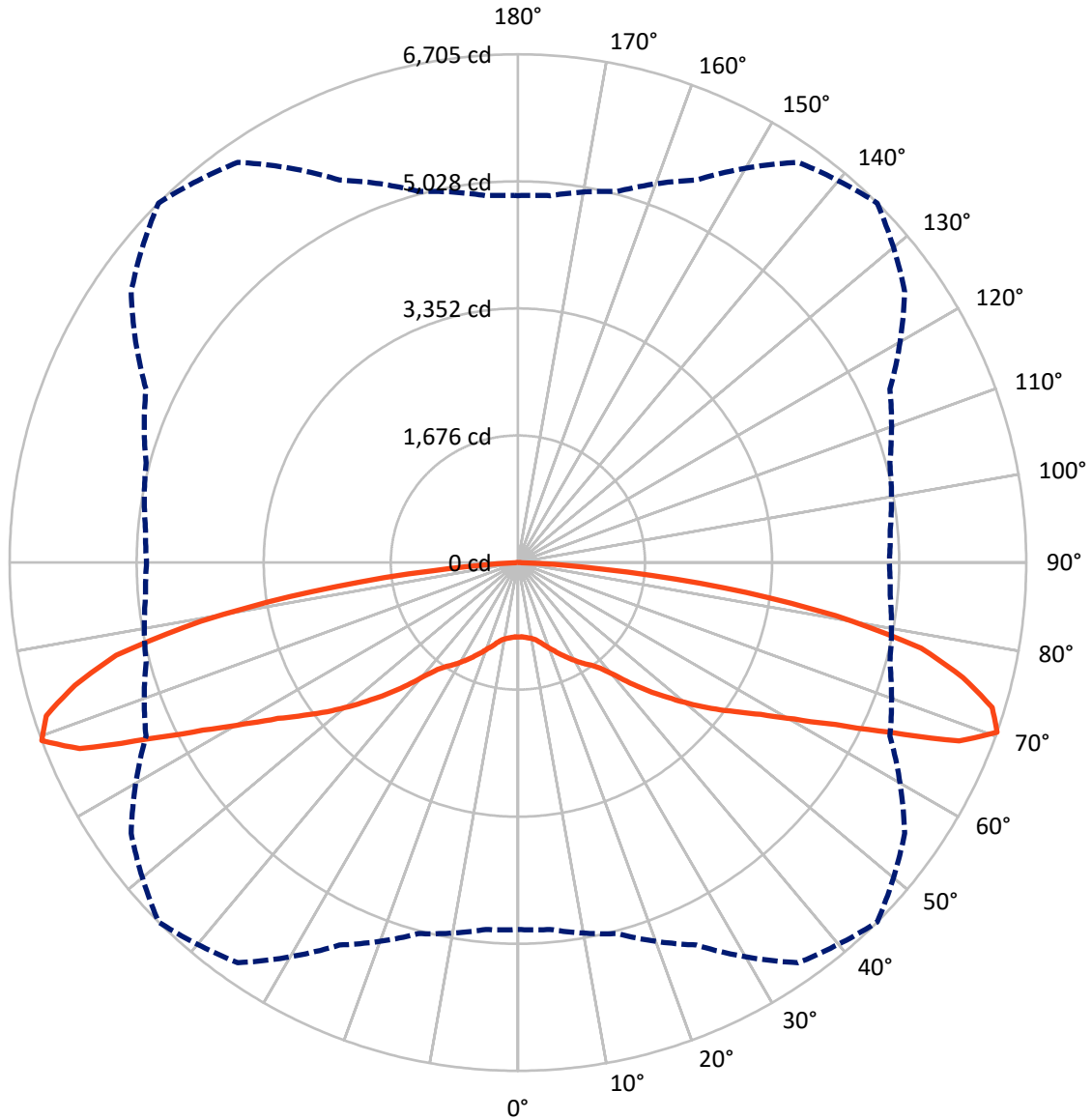
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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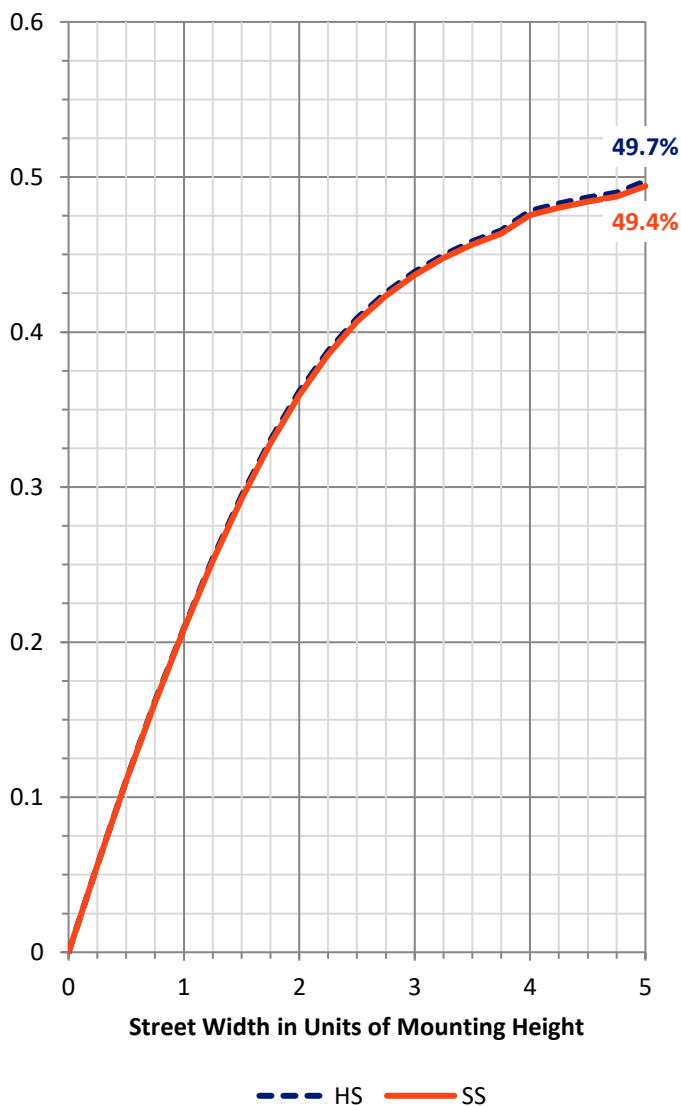
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9120.5	0.0	9120.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9120.5	0.0	9120.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18241.0	0.0	18241.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.7	0.5
10°-20°	313.4	1.7
20°-30°	616.6	3.4
30°-40°	1055.9	5.8
40°-50°	1969.9	10.8
50°-60°	3326.2	18.2
60°-70°	5216.5	28.6
70°-80°	4709.0	25.8
80°-90°	937.8	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°	18241.0	100.0
0°-180°	18241.0	100.0

**Coefficient of Utilization**



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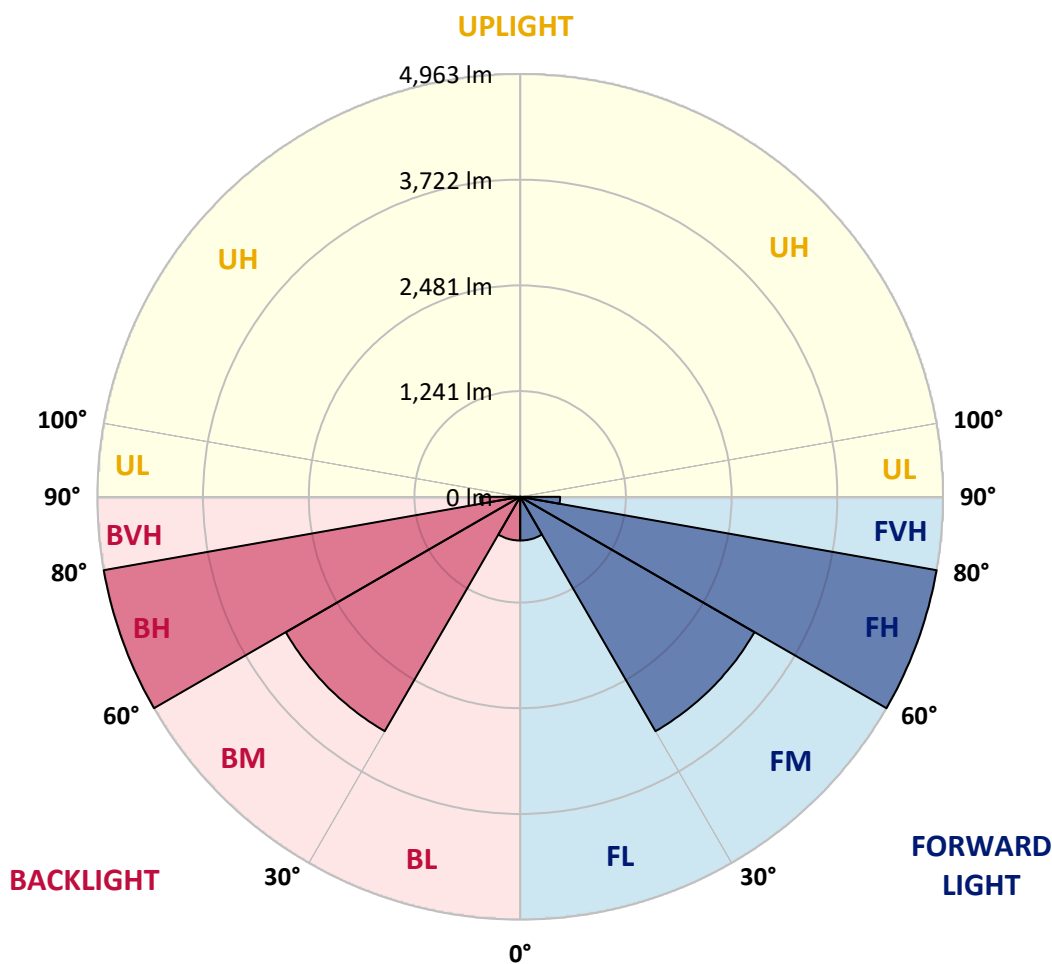
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	512.8	2.8			
FM	(30°-60°)	3176.0	17.4			
FH	(60°-80°)	4962.8	27.2			G2/5000
FVH	(80°-90°)	468.9	2.6			G3/500
BL	(0°-30°)	512.8	2.8	B2/1000		
BM	(30°-60°)	3176.0	17.4	B3/5000		
BH	(60°-80°)	4962.8	27.2	B4/5000		G2/5000
BVH	(80°-90°)	468.9	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°	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4
2.5°	998.8	998.8	988.3	982.4	983.6	980.1	980.1	978.9	982.4	982.4	978.9
5°	1004.7	1009.4	998.8	990.6	993.0	990.6	989.4	990.6	996.5	998.8	994.1
7.5°	1016.4	1021.1	1008.2	998.8	1002.3	1003.5	998.8	1002.3	1005.9	1008.2	1002.3
10°	1035.2	1036.3	1028.1	1015.2	1021.1	1018.8	1017.6	1015.2	1016.4	1017.6	1016.4
12.5°	1062.1	1057.4	1048.1	1044.5	1050.4	1045.7	1039.9	1038.7	1043.4	1039.9	1043.4
15°	1096.1	1092.6	1091.4	1087.9	1097.3	1091.4	1089.1	1085.6	1089.1	1082.1	1086.7
17.5°	1133.6	1138.3	1139.5	1143.0	1151.2	1150.1	1141.8	1139.5	1140.7	1133.6	1133.6
20°	1188.7	1191.1	1194.6	1195.8	1209.8	1207.5	1198.1	1189.9	1192.3	1180.5	1177.0
22.5°	1250.9	1250.9	1249.7	1259.1	1277.8	1277.8	1257.9	1248.5	1252.0	1243.8	1236.8
25°	1311.8	1311.8	1307.1	1320.0	1349.3	1348.2	1328.2	1310.7	1316.5	1311.8	1310.7
27.5°	1375.1	1375.1	1368.1	1372.8	1423.2	1426.7	1398.6	1382.2	1381.0	1385.7	1385.7
30°	1444.3	1440.8	1434.9	1429.1	1486.5	1504.1	1465.4	1452.5	1453.7	1460.7	1463.1
32.5°	1522.9	1526.4	1517.0	1506.4	1551.0	1586.2	1532.2	1538.1	1541.6	1552.2	1560.4
35°	1636.6	1636.6	1615.5	1602.6	1629.5	1661.2	1633.1	1645.9	1667.0	1682.3	1689.3
37.5°	1764.4	1770.2	1740.9	1712.8	1742.1	1766.7	1765.5	1798.4	1840.6	1892.1	1881.6
40°	1978.9	1980.1	1929.7	1886.3	1895.7	1937.9	1969.5	2030.5	2091.4	2151.2	2147.7
42.5°	2272.0	2254.4	2213.4	2158.3	2151.2	2171.2	2241.5	2304.8	2385.7	2429.1	2438.4
45°	2582.6	2579.1	2522.8	2434.9	2412.6	2413.8	2473.6	2563.9	2654.1	2699.9	2706.9
47.5°	2919.1	2917.9	2831.2	2743.2	2678.8	2655.3	2706.9	2797.2	2892.1	2948.4	2943.7
50°	3274.3	3260.2	3179.4	3064.5	2977.7	2922.6	2950.7	3046.9	3128.9	3184.0	3184.0
52.5°	3631.9	3616.6	3539.3	3405.6	3270.8	3195.8	3182.9	3272.0	3371.6	3431.4	3430.2
55°	4029.3	3998.8	3907.4	3764.3	3608.4	3468.9	3437.3	3507.6	3630.7	3702.2	3725.7
57.5°	4409.1	4389.2	4303.6	4145.3	3969.5	3776.1	3721.0	3807.7	3933.2	4011.7	4032.8
60°	4793.6	4764.3	4690.5	4573.2	4383.3	4189.9	4102.0	4153.6	4291.9	4379.8	4363.4
62.5°	5216.9	5206.3	5144.2	5035.1	4920.3	4705.7	4569.7	4622.5	4767.9	4839.4	4812.4
65°	5542.8	5558.0	5576.8	5589.7	5558.0	5393.9	5240.3	5302.4	5359.9	5366.9	5325.9
67.5°	5290.7	5358.7	5499.4	5801.8	6154.7	6279.0	5975.4	5561.5	5342.3	5289.5	5226.2
70°	4840.5	4858.1	5066.8	5566.2	6444.3	6704.5	6227.4	5412.6	5077.3	4929.6	4898.0
72.5°	4215.7	4310.6	4561.5	5230.9	6236.8	6541.6	6085.6	5090.2	4589.7	4396.2	4357.5
75°	3484.2	3609.6	3900.3	4668.2	5728.0	6063.3	5649.4	4500.6	3869.9	3670.6	3660.0
77.5°	2583.8	2636.6	3053.9	3842.9	5083.2	5437.3	4982.4	3718.6	3090.3	2772.6	2784.3
80°	1432.6	1494.7	1901.5	2648.3	3867.5	4250.9	3791.3	2678.8	2051.6	1799.5	1780.8
82.5°	630.7	678.8	956.6	1494.7	2402.1	2735.0	2270.8	1415.0	953.1	721.0	694.0
85°	188.7	208.7	329.4	599.1	1146.5	1132.5	724.5	324.7	130.1	71.5	68.0
87.5°	44.5	49.2	89.1	137.2	146.5	55.1	25.8	22.3	22.3	22.3	22.3
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)