

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: P553606

Luminaire Tested: **VERD-G-CA2-160-727-U-T5**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-160-727-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2700K, 1460mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19827 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

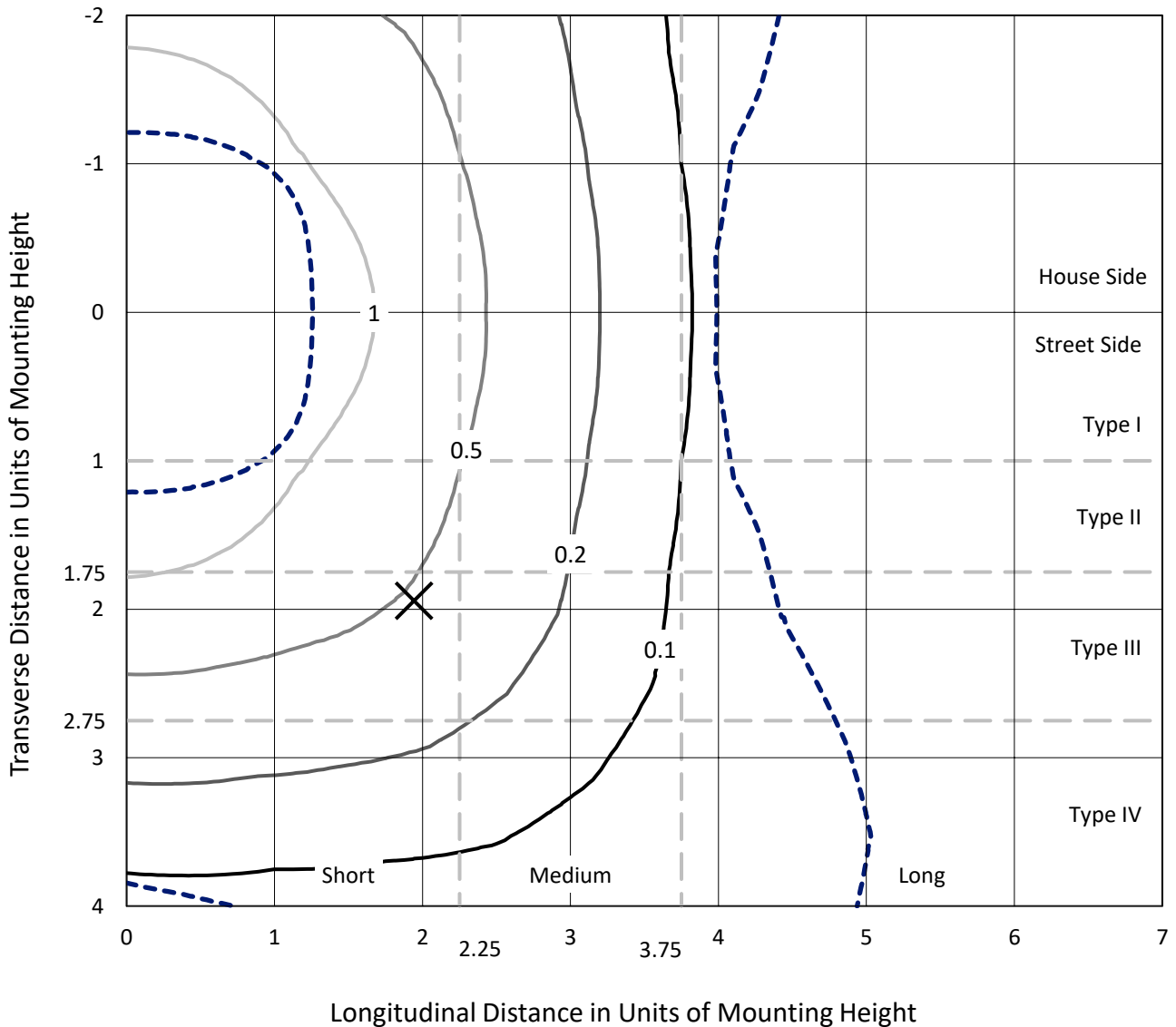
Input Watts (W): 162.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

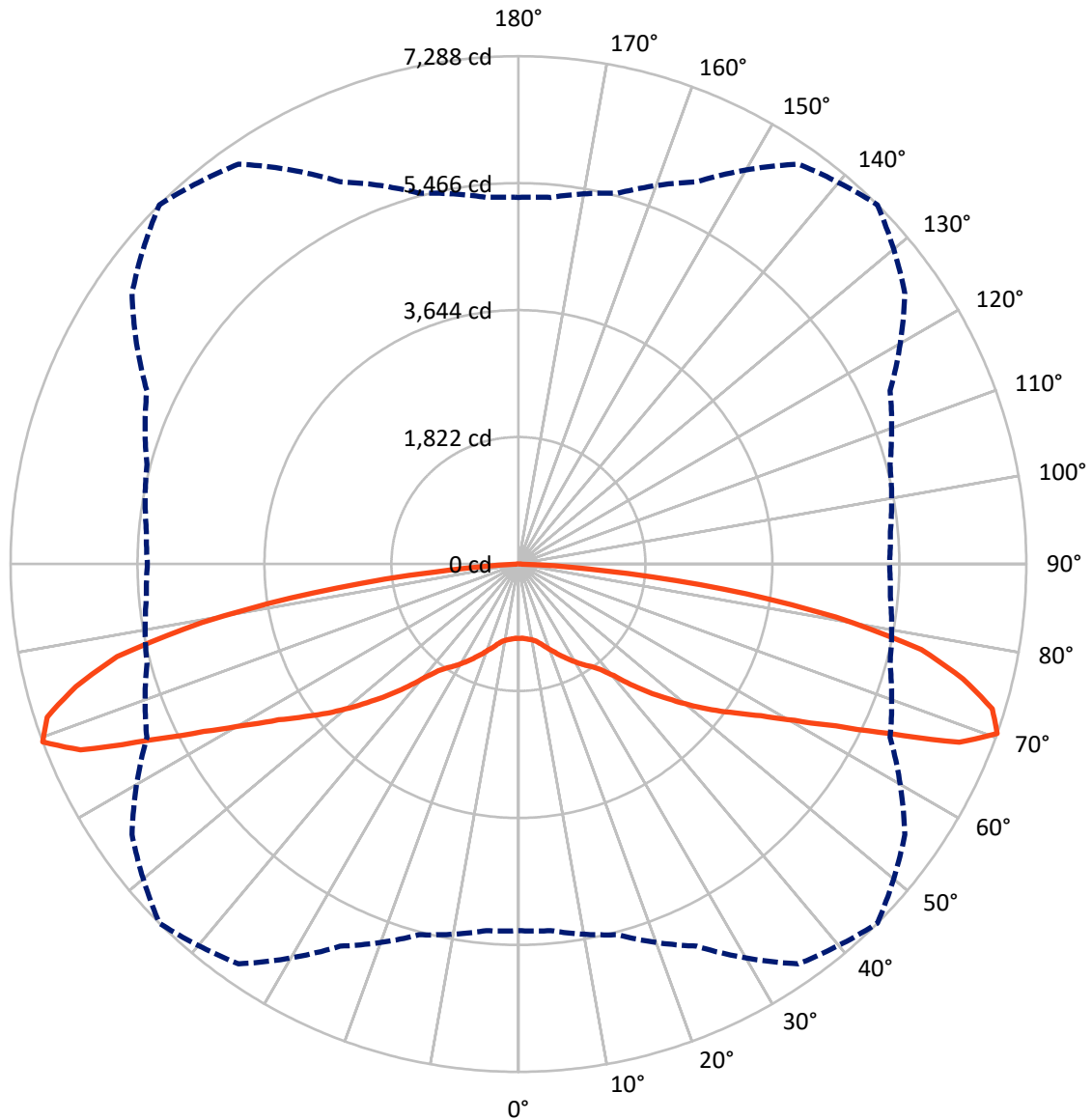
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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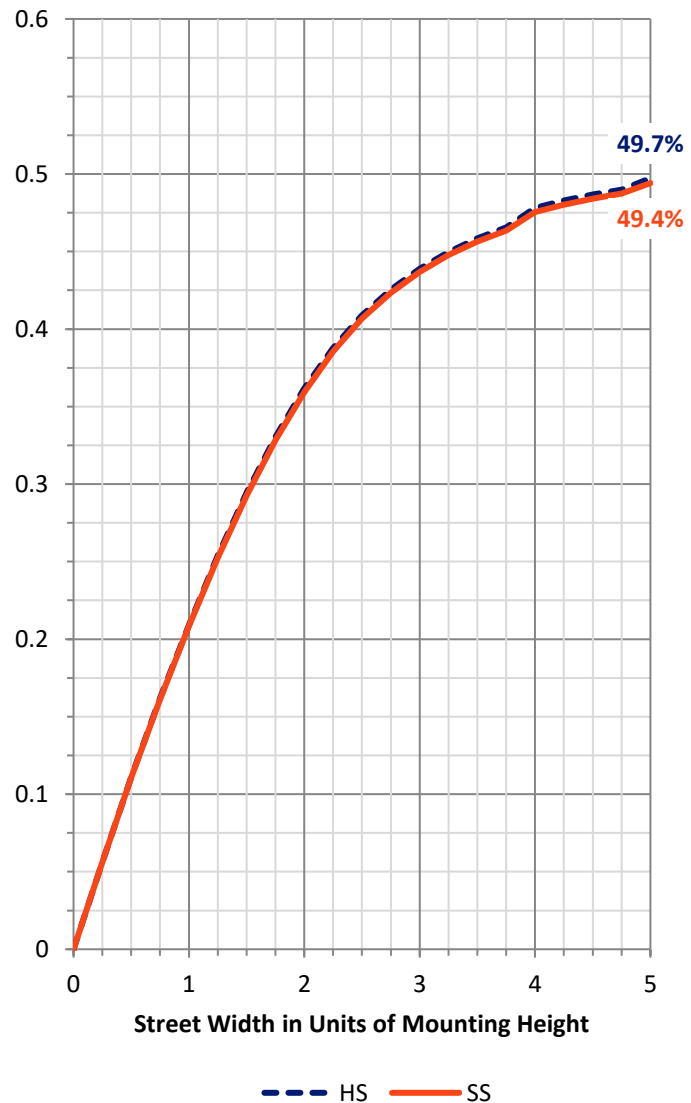
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9913.5	0.0	9913.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9913.5	0.0	9913.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19827.0	0.0	19827.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.0	0.5
10°-20°	340.6	1.7
20°-30°	670.2	3.4
30°-40°	1147.7	5.8
40°-50°	2141.2	10.8
50°-60°	3615.4	18.2
60°-70°	5670.1	28.6
70°-80°	5118.5	25.8
80°-90°	1019.3	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°	19827.0	100.0
0°-180°	19827.0	100.0



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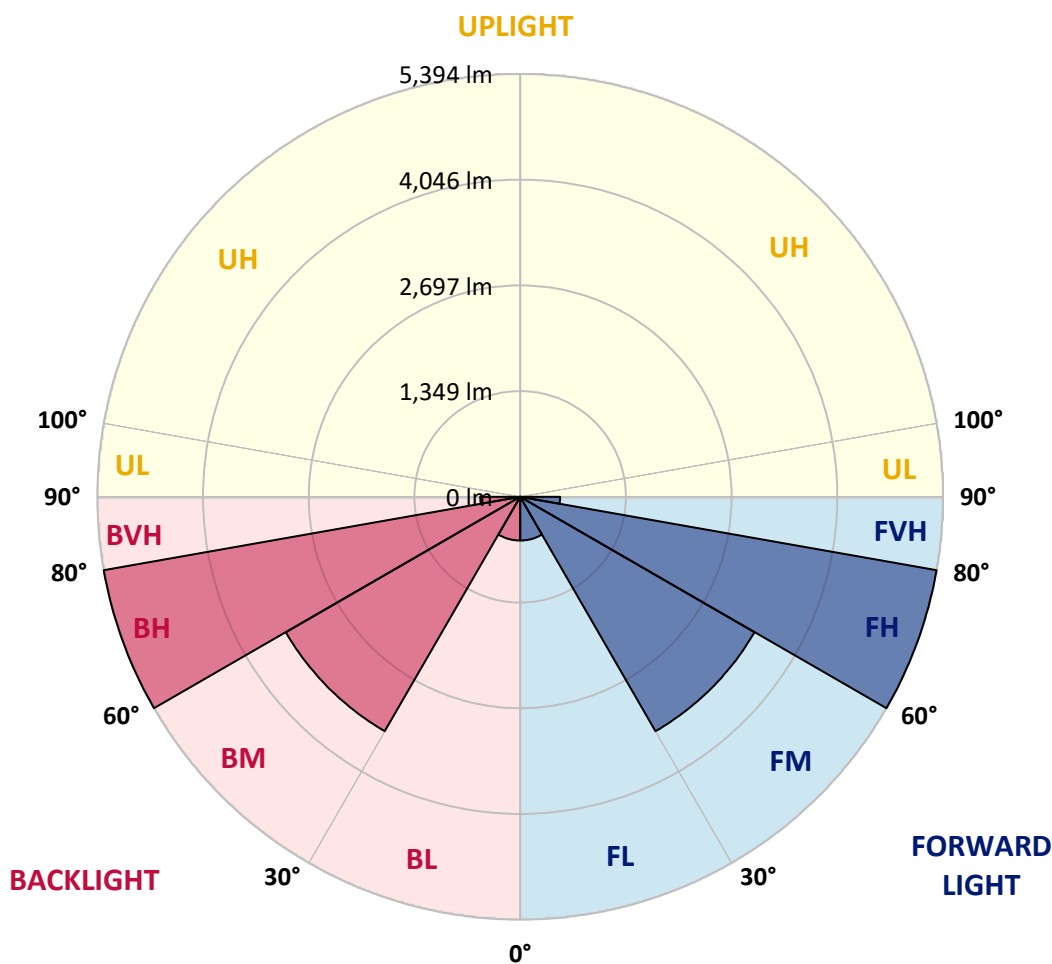
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.4	2.8			
FM (30°-60°)	3452.2	17.4			
FH (60°-80°)	5394.3	27.2			G3/7500
FVH (80°-90°)	509.7	2.6			G4/750
BL (0°-30°)	557.4	2.8	B2/1000		
BM (30°-60°)	3452.2	17.4	B3/5000		
BH (60°-80°)	5394.3	27.2	B5		G3/7500
BVH (80°-90°)	509.7	2.6			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8
2.5°	1085.7	1085.7	1074.2	1067.8	1069.1	1065.3	1065.3	1064.0	1067.8	1067.8	1064.0
5°	1092.0	1097.1	1085.7	1076.7	1079.3	1076.7	1075.5	1076.7	1083.1	1085.7	1080.6
7.5°	1104.8	1109.9	1095.9	1085.7	1089.5	1090.8	1085.7	1089.5	1093.3	1095.9	1089.5
10°	1125.2	1126.4	1117.5	1103.5	1109.9	1107.3	1106.1	1103.5	1104.8	1106.1	1104.8
12.5°	1154.5	1149.4	1139.2	1135.4	1141.7	1136.6	1130.3	1129.0	1134.1	1130.3	1134.1
15°	1191.4	1187.6	1186.3	1182.5	1192.7	1186.3	1183.8	1180.0	1183.8	1176.1	1181.2
17.5°	1232.2	1237.3	1238.6	1242.4	1251.3	1250.0	1241.1	1238.6	1239.9	1232.2	1232.2
20°	1292.1	1294.6	1298.5	1299.7	1315.0	1312.5	1302.3	1293.4	1295.9	1283.2	1279.4
22.5°	1359.6	1359.6	1358.4	1368.6	1388.9	1388.9	1367.3	1357.1	1360.9	1352.0	1344.3
25°	1425.9	1425.9	1420.8	1434.8	1466.7	1465.4	1443.7	1424.6	1431.0	1425.9	1424.6
27.5°	1494.7	1494.7	1487.1	1492.2	1546.9	1550.8	1520.2	1502.3	1501.1	1506.2	1506.2
30°	1569.9	1566.1	1559.7	1553.3	1615.8	1634.9	1592.8	1578.8	1580.1	1587.7	1590.3
32.5°	1655.3	1659.1	1648.9	1637.4	1685.8	1724.1	1665.5	1671.8	1675.6	1687.1	1696.0
35°	1778.9	1778.9	1755.9	1741.9	1771.2	1805.6	1775.0	1789.1	1812.0	1828.6	1836.2
37.5°	1917.8	1924.1	1892.3	1861.7	1893.5	1920.3	1919.0	1954.7	2000.6	2056.7	2045.2
40°	2150.9	2152.2	2097.4	2050.3	2060.5	2106.3	2140.8	2207.0	2273.3	2338.3	2334.4
42.5°	2469.5	2450.4	2405.8	2345.9	2338.3	2359.9	2436.4	2505.2	2593.1	2640.3	2650.5
45°	2807.2	2803.4	2742.2	2646.6	2622.4	2623.7	2688.7	2786.8	2884.9	2934.6	2942.3
47.5°	3172.9	3171.6	3077.3	2981.8	2911.7	2886.2	2942.3	3040.4	3143.6	3204.8	3199.7
50°	3559.0	3543.7	3455.8	3330.9	3236.6	3176.7	3207.3	3311.8	3401.0	3460.9	3460.9
52.5°	3947.7	3931.1	3847.0	3701.7	3555.2	3473.6	3459.6	3556.5	3664.8	3729.8	3728.5
55°	4379.6	4346.5	4247.1	4091.6	3922.2	3770.5	3736.1	3812.6	3946.4	4024.1	4049.6
57.5°	4792.5	4770.8	4677.8	4505.8	4314.6	4104.4	4044.5	4138.8	4275.1	4360.5	4383.4
60°	5210.4	5178.6	5098.3	4970.9	4764.4	4554.2	4458.6	4514.7	4665.1	4760.6	4742.8
62.5°	5670.4	5659.0	5591.4	5472.9	5348.1	5114.9	4967.1	5024.4	5182.4	5260.1	5230.8
65°	6024.7	6041.3	6061.6	6075.7	6041.3	5862.9	5695.9	5763.5	5825.9	5833.6	5789.0
67.5°	5750.7	5824.6	5977.5	6306.3	6689.9	6824.9	6494.9	6045.1	5806.8	5749.5	5680.6
70°	5261.4	5280.5	5507.3	6050.2	7004.6	7287.5	6768.9	5883.2	5518.8	5358.3	5323.8
72.5°	4582.2	4685.4	4958.1	5685.7	6779.1	7110.4	6614.7	5532.8	4988.7	4778.5	4736.4
75°	3787.1	3923.4	4239.5	5074.1	6226.0	6590.5	6140.6	4891.9	4206.3	3989.7	3978.2
77.5°	2808.5	2865.8	3319.4	4177.0	5525.2	5910.0	5415.6	4041.9	3358.9	3013.6	3026.4
80°	1557.1	1624.7	2066.8	2878.5	4203.8	4620.5	4120.9	2911.7	2230.0	1956.0	1935.6
82.5°	685.6	737.8	1039.8	1624.7	2611.0	2972.8	2468.2	1538.0	1036.0	783.7	754.4
85°	205.2	226.8	358.1	651.1	1246.2	1230.9	787.5	353.0	141.4	77.7	73.9
87.5°	48.4	53.5	96.8	149.1	159.3	59.9	28.0	24.2	24.2	24.2	24.2
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)