

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: P553566

Luminaire Tested: **VERD-G-CA2-150-730-U-T5**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553566  
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-CA2-150-730-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1380mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21867 lumens  
Efficiency: N/A  
Efficacy: 143.7 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

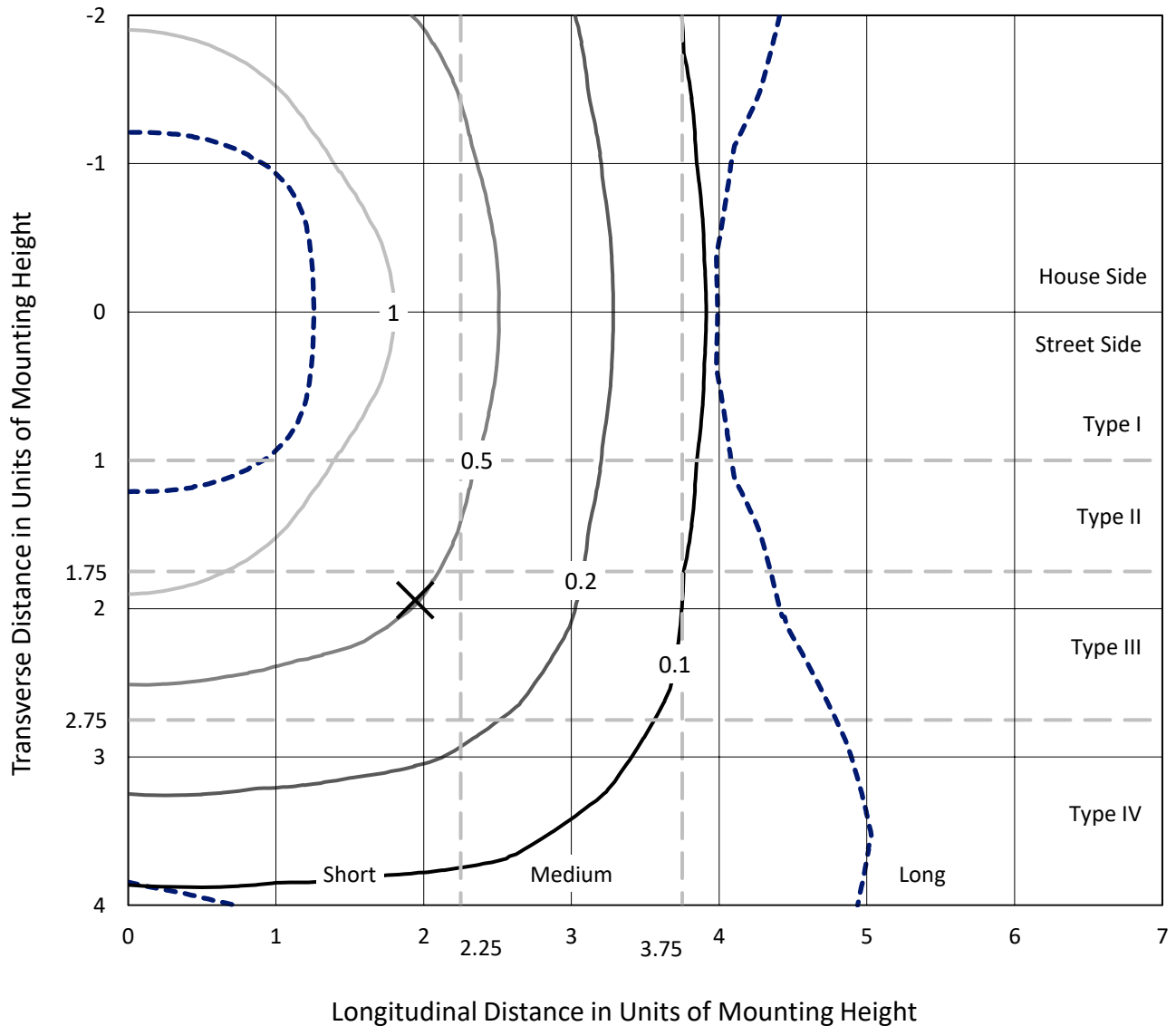
Input Watts (W): 152.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

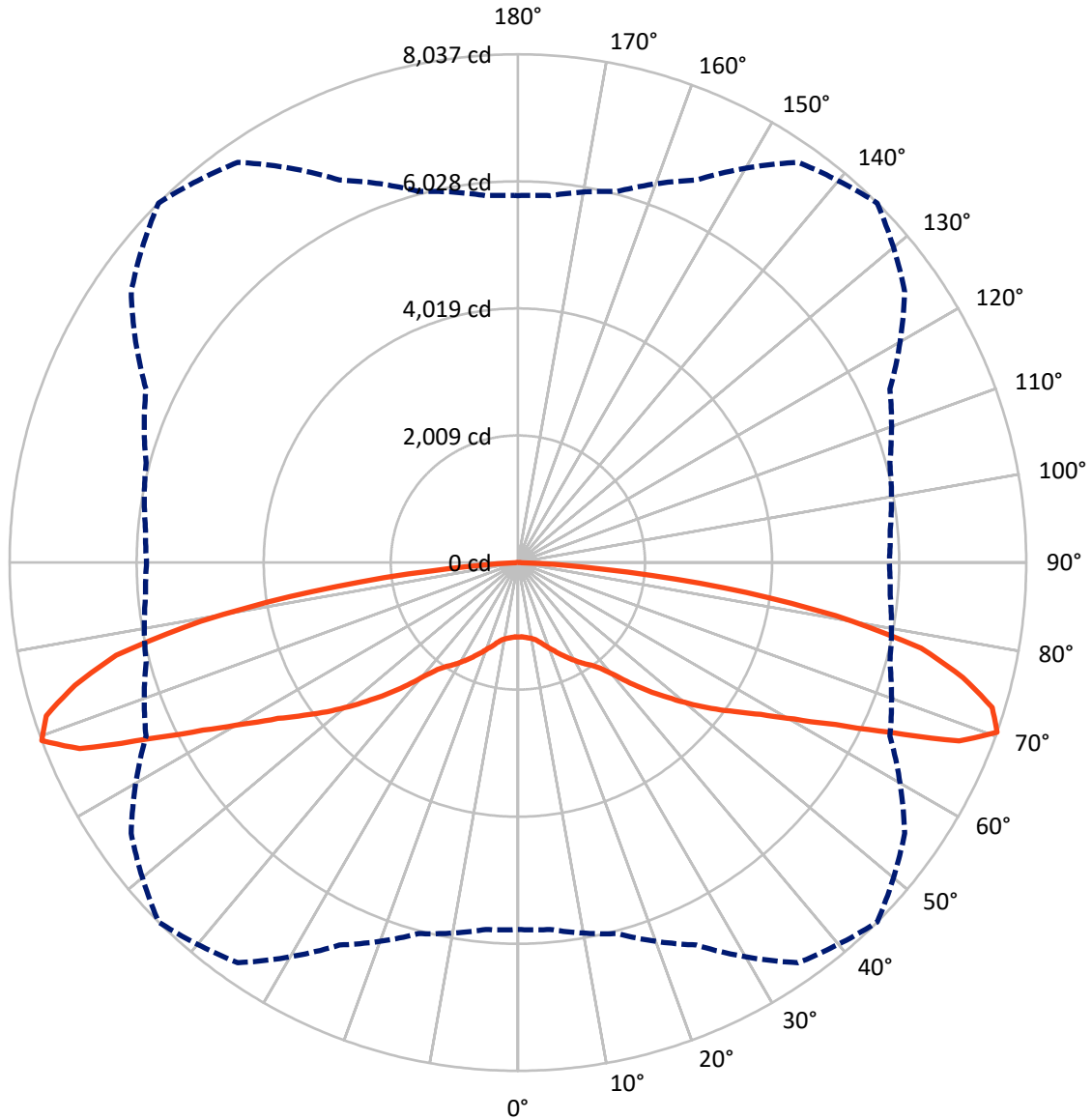
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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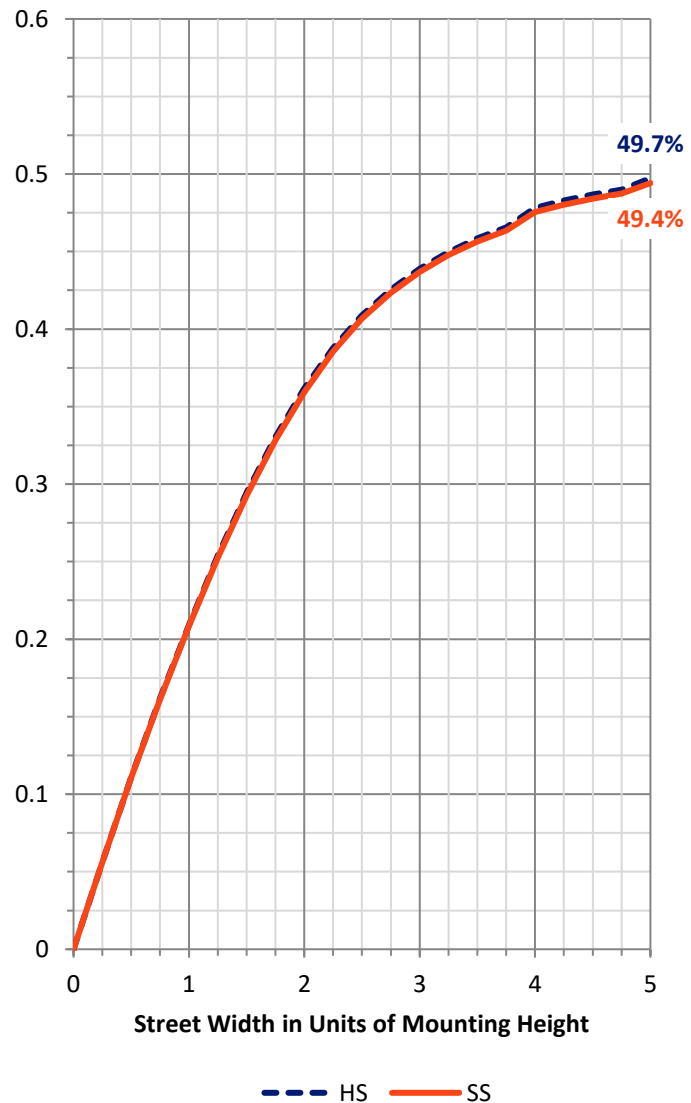
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10933.5	0.0	10933.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10933.5	0.0	10933.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21867.0	0.0	21867.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.7	0.5
10°-20°	375.7	1.7
20°-30°	739.1	3.4
30°-40°	1265.8	5.8
40°-50°	2361.5	10.8
50°-60°	3987.4	18.2
60°-70°	6253.4	28.6
70°-80°	5645.1	25.8
80°-90°	1124.2	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°	21867.0	100.0
0°-180°	21867.0	100.0



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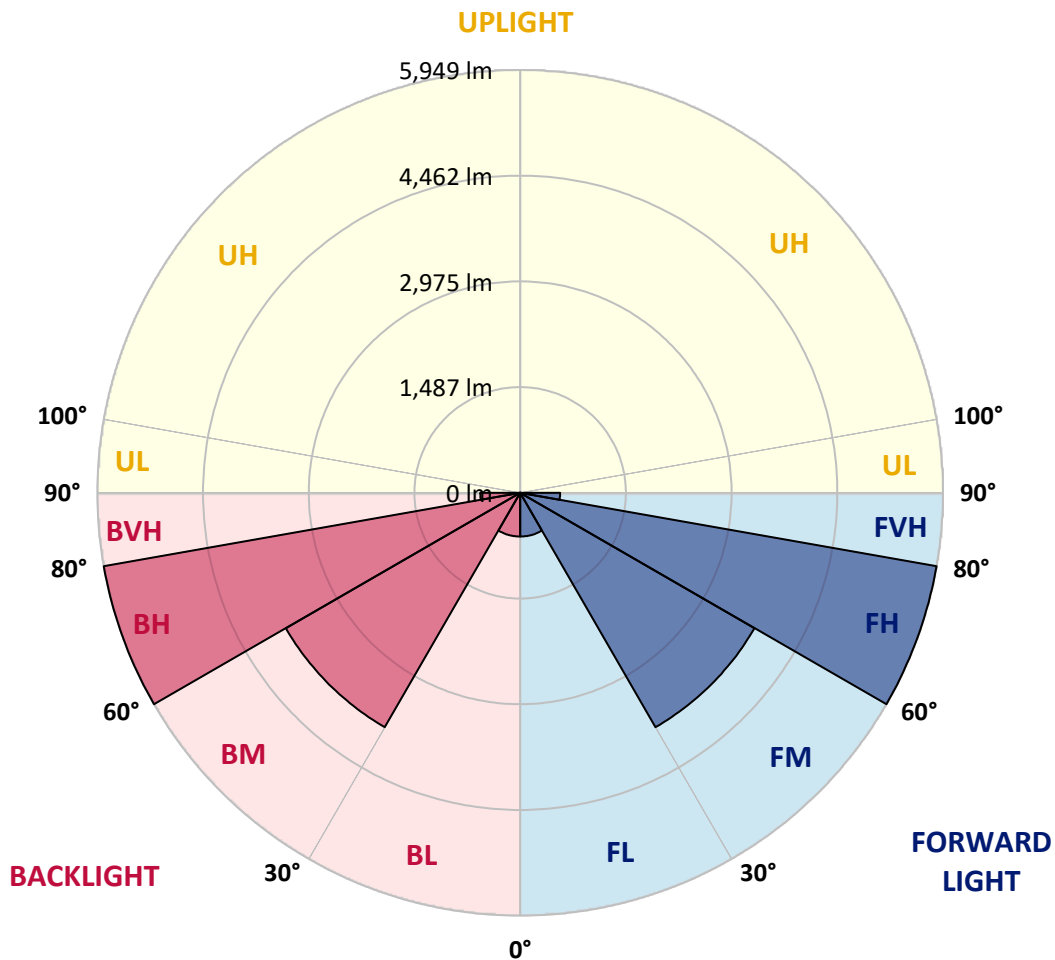
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.8	2.8			
FM (30°-60°)	3807.3	17.4			
FH (60°-80°)	5949.3	27.2			G3/7500
FVH (80°-90°)	562.1	2.6			G4/750
BL (0°-30°)	614.8	2.8	B2/1000		
BM (30°-60°)	3807.3	17.4	B3/5000		
BH (60°-80°)	5949.3	27.2	B5		G3/7500
BVH (80°-90°)	562.1	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°	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7
2.5°	1197.4	1197.4	1184.7	1177.7	1179.1	1174.9	1174.9	1173.5	1177.7	1177.7	1173.5
5°	1204.4	1210.0	1197.4	1187.5	1190.3	1187.5	1186.1	1187.5	1194.6	1197.4	1191.8
7.5°	1218.5	1224.1	1208.6	1197.4	1201.6	1203.0	1197.4	1201.6	1205.8	1208.6	1201.6
10°	1240.9	1242.3	1232.5	1217.0	1224.1	1221.3	1219.9	1217.0	1218.5	1219.9	1218.5
12.5°	1273.3	1267.6	1256.4	1252.2	1259.2	1253.6	1246.6	1245.2	1250.8	1246.6	1250.8
15°	1314.0	1309.8	1308.4	1304.2	1315.4	1308.4	1305.6	1301.4	1305.6	1297.2	1302.8
17.5°	1359.0	1364.6	1366.0	1370.2	1380.1	1378.7	1368.8	1366.0	1367.4	1359.0	1359.0
20°	1425.0	1427.9	1432.1	1433.5	1450.3	1447.5	1436.3	1426.4	1429.3	1415.2	1411.0
22.5°	1499.5	1499.5	1498.1	1509.4	1531.8	1531.8	1508.0	1496.7	1500.9	1491.1	1482.7
25°	1572.6	1572.6	1567.0	1582.4	1617.6	1616.2	1592.3	1571.2	1578.2	1572.6	1571.2
27.5°	1648.5	1648.5	1640.1	1645.7	1706.1	1710.3	1676.6	1656.9	1655.5	1661.1	1661.1
30°	1731.4	1727.2	1720.2	1713.1	1782.0	1803.1	1756.7	1741.2	1742.7	1751.1	1753.9
32.5°	1825.6	1829.8	1818.5	1805.9	1859.3	1901.5	1836.8	1843.8	1848.1	1860.7	1870.5
35°	1961.9	1961.9	1936.6	1921.1	1953.5	1991.4	1957.7	1973.1	1998.4	2016.7	2025.1
37.5°	2115.1	2122.1	2087.0	2053.2	2088.4	2117.9	2116.5	2155.8	2206.4	2268.3	2255.6
40°	2372.3	2373.7	2313.2	2261.2	2272.5	2323.1	2361.0	2434.1	2507.2	2578.8	2574.6
42.5°	2723.6	2702.5	2653.3	2587.3	2578.8	2602.7	2687.1	2762.9	2859.9	2911.9	2923.2
45°	3096.0	3091.8	3024.3	2918.9	2892.2	2893.6	2965.3	3073.5	3181.7	3236.6	3245.0
47.5°	3499.4	3498.0	3394.0	3288.6	3211.3	3183.2	3245.0	3353.2	3467.0	3534.5	3528.9
50°	3925.2	3908.3	3811.4	3673.6	3569.6	3503.6	3537.3	3652.5	3750.9	3817.0	3817.0
52.5°	4353.8	4335.6	4242.8	4082.6	3921.0	3831.0	3815.6	3922.4	4041.8	4113.5	4112.1
55°	4830.2	4793.7	4684.1	4512.6	4325.7	4158.5	4120.5	4204.9	4352.4	4438.1	4466.3
57.5°	5285.6	5261.7	5159.1	4969.4	4758.6	4526.7	4460.6	4564.6	4715.0	4809.2	4834.5
60°	5746.5	5711.4	5622.9	5482.3	5254.7	5022.8	4917.4	4979.2	5145.0	5250.4	5230.8
62.5°	6253.9	6241.2	6166.7	6036.0	5898.3	5641.1	5478.1	5541.4	5715.6	5801.4	5769.0
65°	6644.6	6662.8	6685.3	6700.8	6662.8	6466.1	6282.0	6356.5	6425.3	6433.8	6384.6
67.5°	6342.4	6423.9	6592.6	6955.2	7378.2	7527.1	7163.2	6667.1	6404.3	6341.0	6265.1
70°	5802.8	5823.8	6074.0	6672.7	7725.3	8037.3	7465.3	6488.6	6086.6	5909.6	5871.6
72.5°	5053.7	5167.5	5468.3	6270.7	7476.5	7841.9	7295.3	6102.1	5502.0	5270.1	5223.7
75°	4176.7	4327.1	4675.7	5596.2	6866.6	7268.6	6772.5	5395.2	4639.1	4400.2	4387.6
77.5°	3097.4	3160.7	3661.0	4606.8	6093.7	6518.1	5972.8	4457.8	3704.5	3323.7	3337.7
80°	1717.4	1791.8	2279.5	3174.7	4636.3	5095.9	4545.0	3211.3	2459.4	2157.2	2134.8
82.5°	756.1	813.7	1146.8	1791.8	2879.6	3278.7	2722.2	1696.3	1142.6	864.3	832.0
85°	226.3	250.2	394.9	718.1	1374.4	1357.6	868.5	389.3	156.0	85.7	81.5
87.5°	53.4	59.0	106.8	164.4	175.7	66.1	30.9	26.7	26.7	26.7	26.7
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)