

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: P553574

Luminaire Tested: **VERD-G-CA2-150-740-U-T5**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553574  
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-CA2-150-740-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1380mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22271 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: B5 - U0 - G4

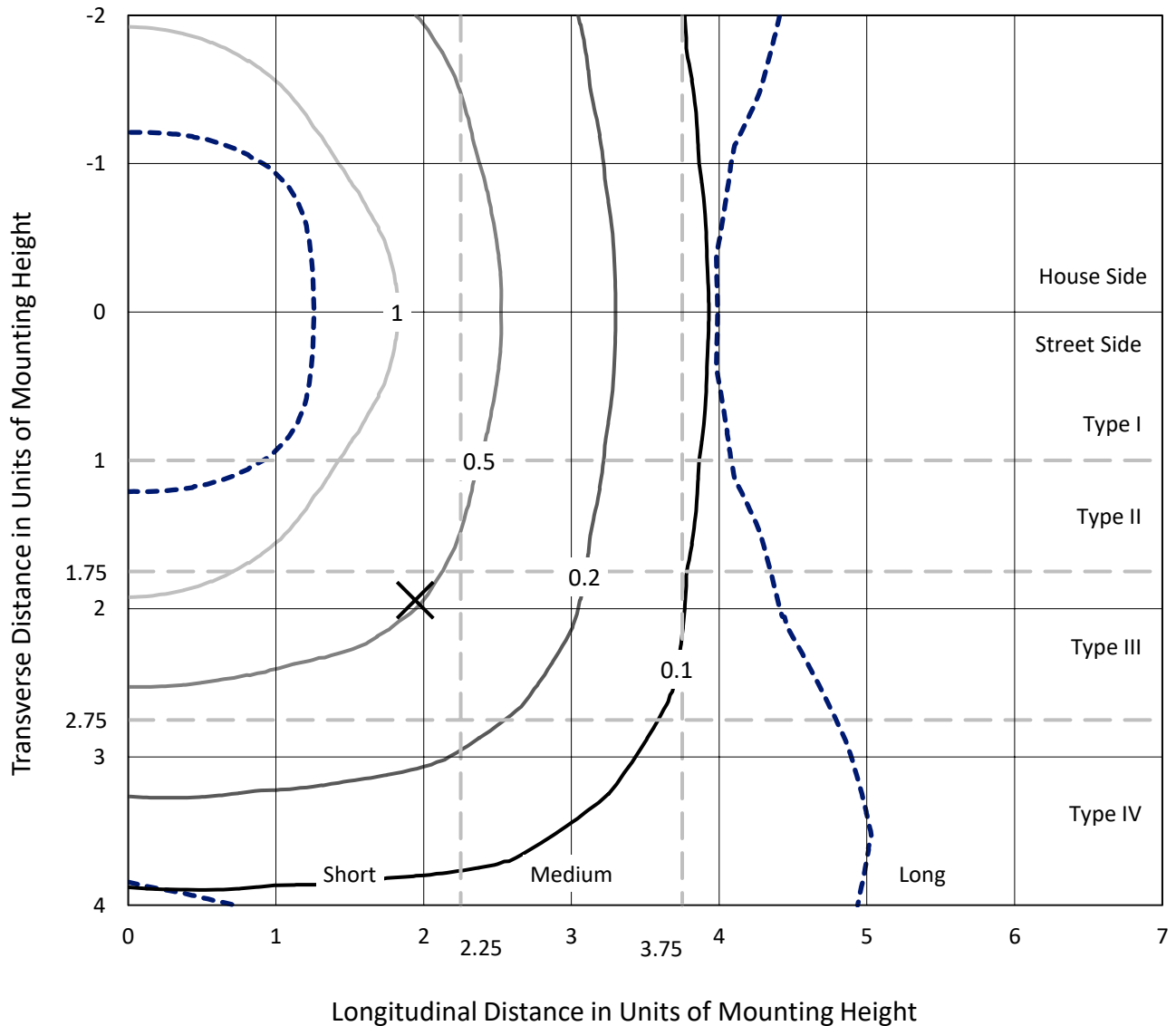
Input Watts (W): 152.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

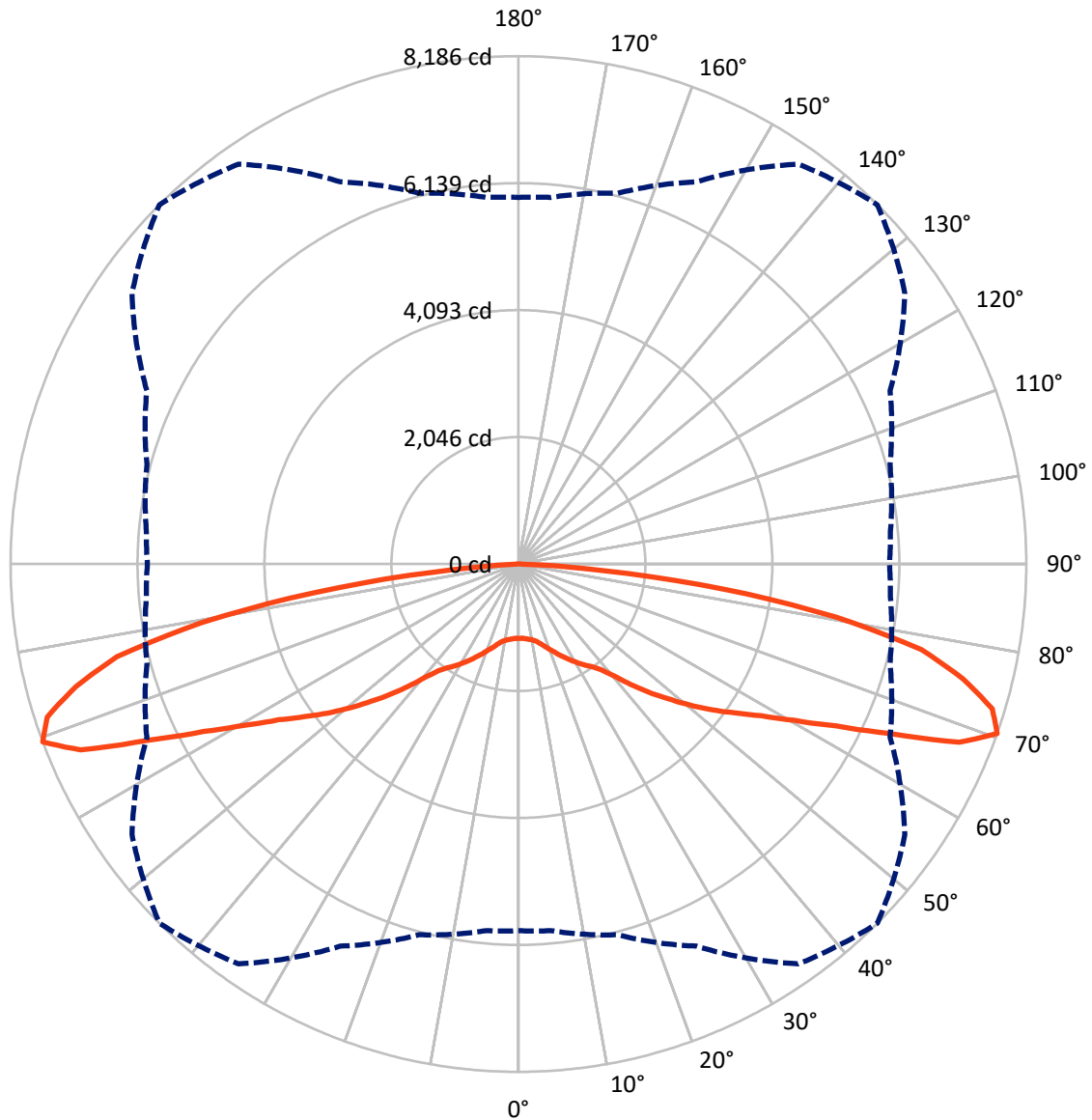
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - N/A

REPORT NUMBER: P553574  
CATALOG NUMBER: VERD-G-CA2-150-740-U-T5

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P553574

CATALOG NUMBER: VERD-G-CA2-150-740-U-T5

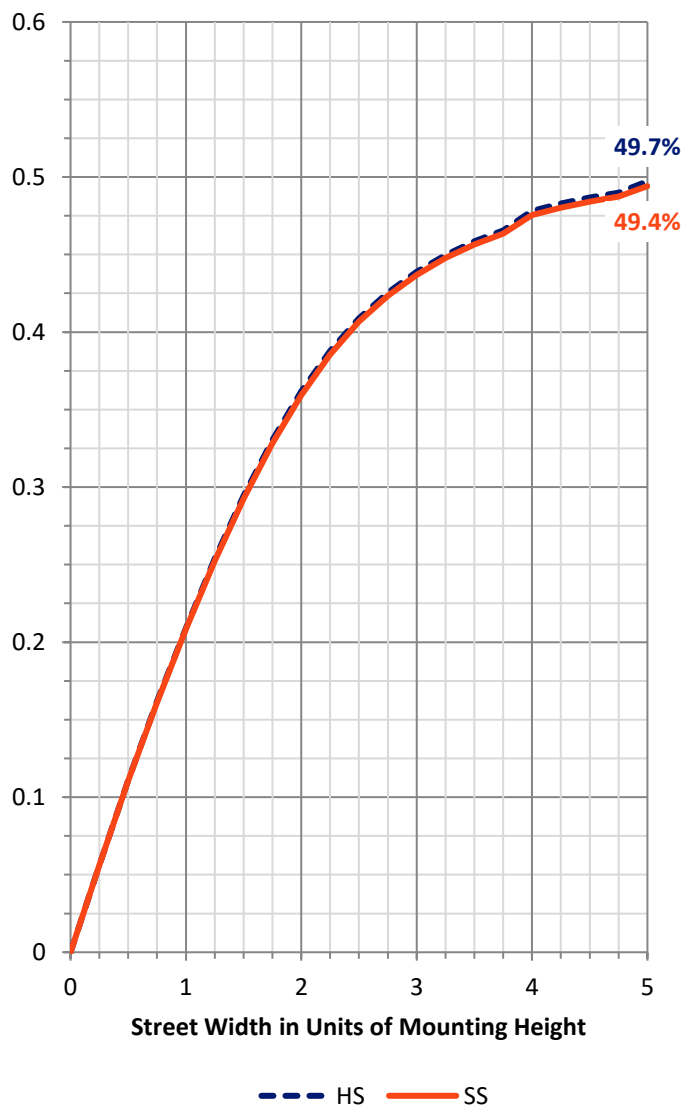
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11135.5	0.0	11135.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11135.5	0.0	11135.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22271.0	0.0	22271.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.9	0.5
10°-20°	382.6	1.7
20°-30°	752.8	3.4
30°-40°	1289.2	5.8
40°-50°	2405.2	10.8
50°-60°	4061.0	18.2
60°-70°	6369.0	28.6
70°-80°	5749.4	25.8
80°-90°	1145.0	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°	22271.0	100.0
0°-180°	22271.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P553574

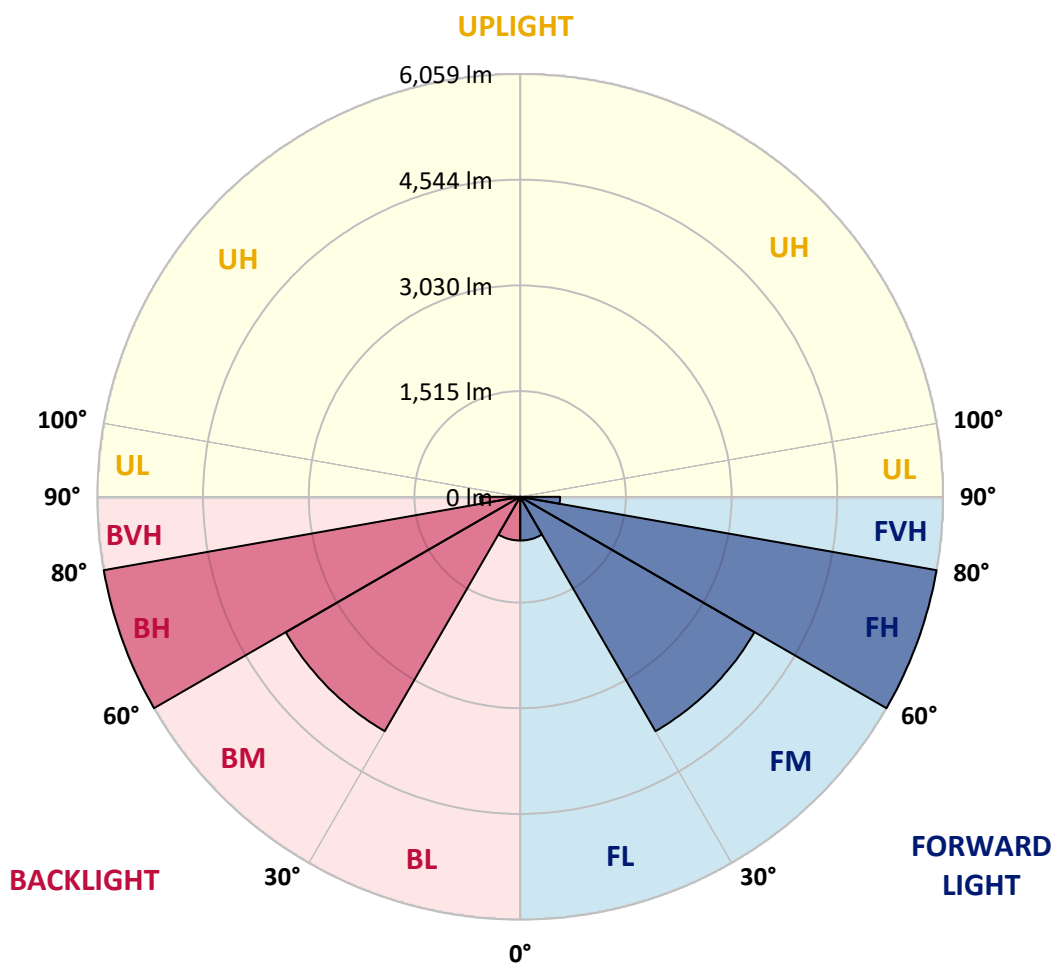
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	626.1	2.8			
FM	(30°-60°)	3877.7	17.4			
FH	(60°-80°)	6059.2	27.2			G3/7500
FVH	(80°-90°)	572.5	2.6			G4/750
BL	(0°-30°)	626.1	2.8	B2/1000		
BM	(30°-60°)	3877.7	17.4	B3/5000		
BH	(60°-80°)	6059.2	27.2	B5		G3/7500
BVH	(80°-90°)	572.5	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°	1199.5	1199.5	1199.5	1199.5	1199.5	1199.5	1199.5	1199.5	1199.5	1199.5	1199.5
2.5°	1219.5	1219.5	1206.6	1199.5	1200.9	1196.6	1196.6	1195.2	1199.5	1199.5	1195.2
5°	1226.7	1232.4	1219.5	1209.5	1212.3	1209.5	1208.0	1209.5	1216.6	1219.5	1213.8
7.5°	1241.0	1246.7	1230.9	1219.5	1223.8	1225.2	1219.5	1223.8	1228.1	1230.9	1223.8
10°	1263.9	1265.3	1255.3	1239.5	1246.7	1243.8	1242.4	1239.5	1241.0	1242.4	1241.0
12.5°	1296.8	1291.1	1279.6	1275.3	1282.5	1276.7	1269.6	1268.2	1273.9	1269.6	1273.9
15°	1338.3	1334.0	1332.6	1328.3	1339.7	1332.6	1329.7	1325.4	1329.7	1321.1	1326.8
17.5°	1384.1	1389.8	1391.3	1395.5	1405.6	1404.1	1394.1	1391.3	1392.7	1384.1	1384.1
20°	1451.4	1454.2	1458.5	1460.0	1477.1	1474.3	1462.8	1452.8	1455.7	1441.4	1437.1
22.5°	1527.2	1527.2	1525.8	1537.2	1560.2	1560.2	1535.8	1524.4	1528.7	1518.6	1510.1
25°	1601.7	1601.7	1595.9	1611.7	1647.5	1646.0	1621.7	1600.2	1607.4	1601.7	1600.2
27.5°	1679.0	1679.0	1670.4	1676.1	1737.6	1741.9	1707.6	1687.5	1686.1	1691.8	1691.8
30°	1763.4	1759.1	1751.9	1744.8	1814.9	1836.4	1789.2	1773.4	1774.9	1783.4	1786.3
32.5°	1859.3	1863.6	1852.1	1839.3	1893.7	1936.6	1870.7	1877.9	1882.2	1895.1	1905.1
35°	1998.1	1998.1	1972.4	1956.6	1989.5	2028.2	1993.8	2009.6	2035.4	2054.0	2062.5
37.5°	2154.2	2161.3	2125.5	2091.2	2127.0	2157.0	2155.6	2195.7	2247.2	2310.2	2297.3
40°	2416.1	2417.5	2356.0	2303.0	2314.5	2366.0	2404.6	2479.1	2553.5	2626.5	2622.2
42.5°	2773.9	2752.4	2702.4	2635.1	2626.5	2650.8	2736.7	2814.0	2912.8	2965.7	2977.2
45°	3153.2	3148.9	3080.2	2972.9	2945.7	2947.1	3020.1	3130.3	3240.5	3296.4	3304.9
47.5°	3564.0	3562.6	3456.7	3349.3	3270.6	3242.0	3304.9	3415.2	3531.1	3599.8	3594.1
50°	3997.7	3980.5	3881.8	3741.5	3635.6	3568.3	3602.7	3720.0	3820.2	3887.5	3887.5
52.5°	4434.3	4415.7	4321.2	4158.0	3993.4	3901.8	3886.1	3994.8	4116.5	4189.5	4188.1
55°	4919.5	4882.3	4770.6	4596.0	4405.6	4235.3	4196.7	4282.5	4432.8	4520.1	4548.8
57.5°	5383.2	5358.9	5254.4	5061.2	4846.5	4610.3	4543.0	4649.0	4802.1	4898.0	4923.8
60°	5852.7	5816.9	5726.8	5583.6	5351.7	5115.6	5008.2	5071.2	5240.1	5347.5	5327.4
62.5°	6369.4	6356.5	6280.7	6147.6	6007.3	5745.4	5579.3	5643.7	5821.2	5908.5	5875.6
65°	6767.3	6785.9	6808.8	6824.6	6785.9	6585.6	6398.0	6473.9	6544.0	6552.6	6502.5
67.5°	6459.6	6542.6	6714.4	7083.7	7514.5	7666.2	7295.5	6790.2	6522.6	6458.2	6380.9
70°	5910.0	5931.4	6186.2	6796.0	7868.0	8185.8	7603.2	6608.5	6199.1	6018.7	5980.1
72.5°	5147.1	5263.0	5569.3	6386.6	7614.7	7986.8	7430.0	6214.8	5603.7	5367.5	5320.3
75°	4253.9	4407.1	4762.0	5699.6	6993.5	7402.8	6897.6	5494.9	4724.8	4481.5	4468.6
77.5°	3154.7	3219.1	3728.6	4691.9	6206.2	6638.5	6083.2	4540.2	3773.0	3385.1	3399.4
80°	1749.1	1824.9	2321.6	3233.4	4722.0	5190.0	4628.9	3270.6	2504.8	2197.1	2174.2
82.5°	770.1	828.7	1168.0	1824.9	2932.8	3339.3	2772.5	1727.6	1163.7	880.3	847.3
85°	230.4	254.8	402.2	731.4	1399.8	1382.7	884.6	396.5	158.9	87.3	83.0
87.5°	54.4	60.1	108.8	167.5	178.9	67.3	31.5	27.2	27.2	27.2	27.2
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)