

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: P553542

Luminaire Tested: **VERD-G-CA2-140-760-U-T5**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553542  
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-CA2-140-760-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1290mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21047 lumens  
Efficiency: N/A  
Efficacy: 147.8 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

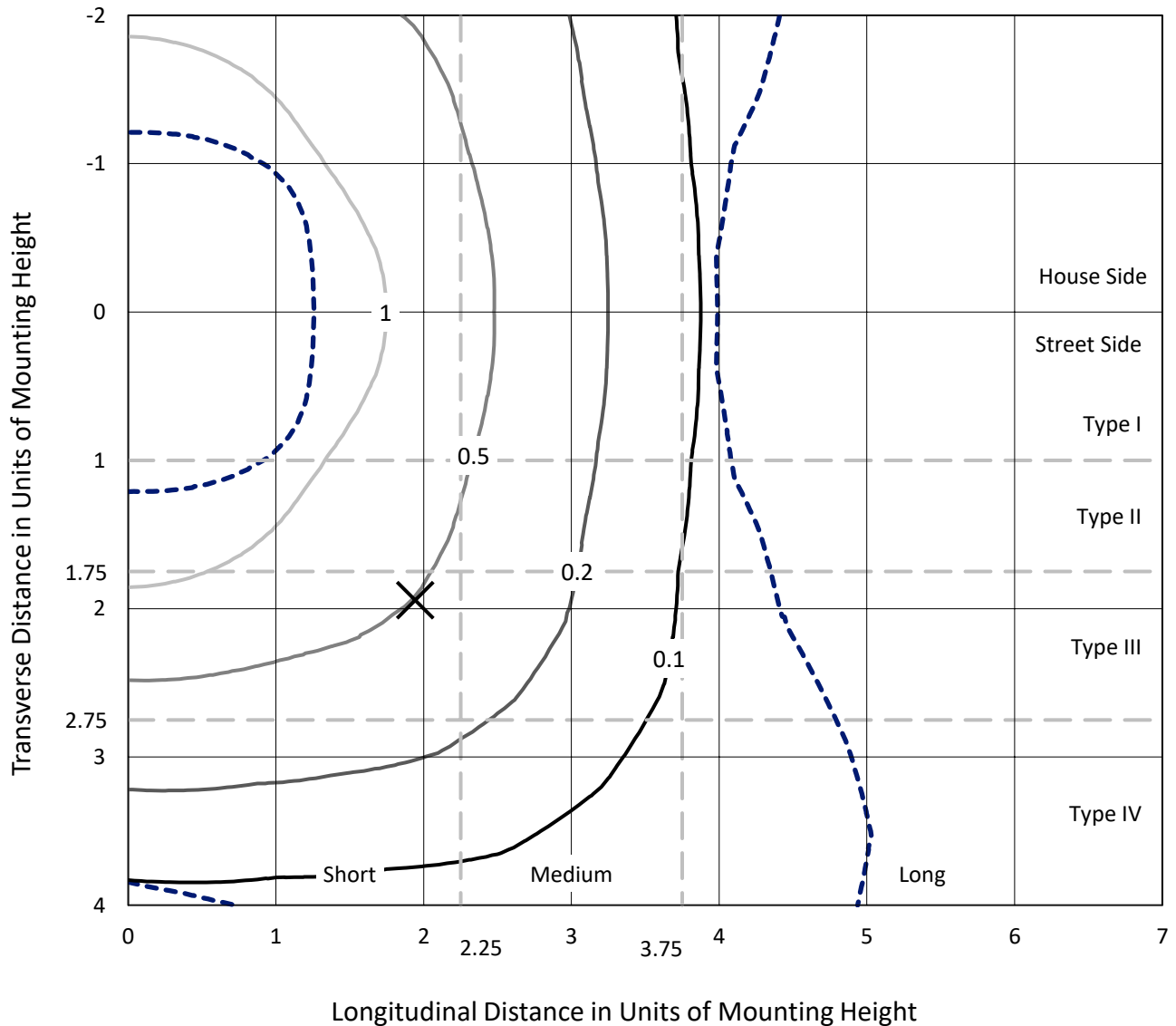
Input Watts (W): 142.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

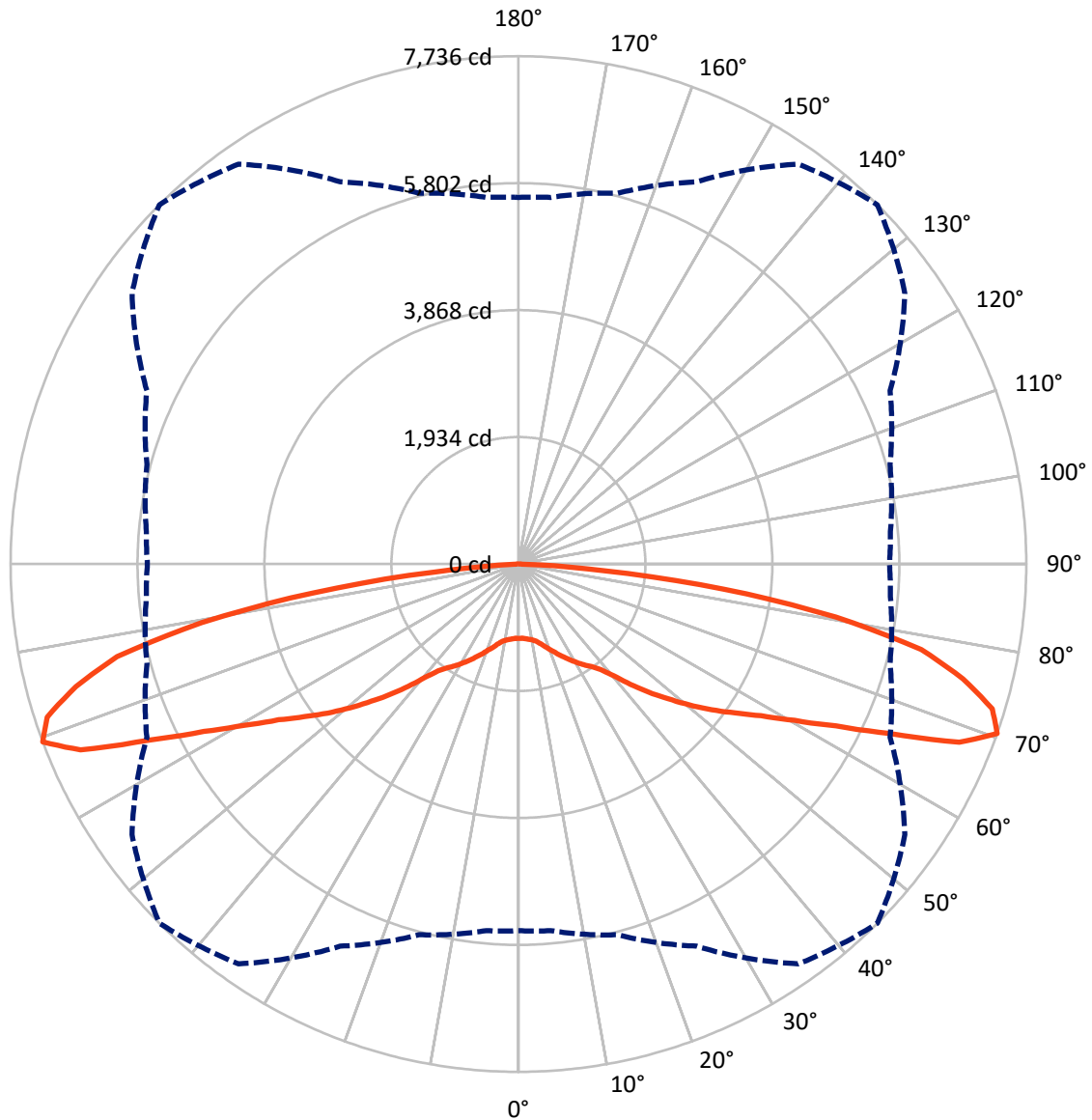
× Max cd  
 - - - 1/2 Max cd



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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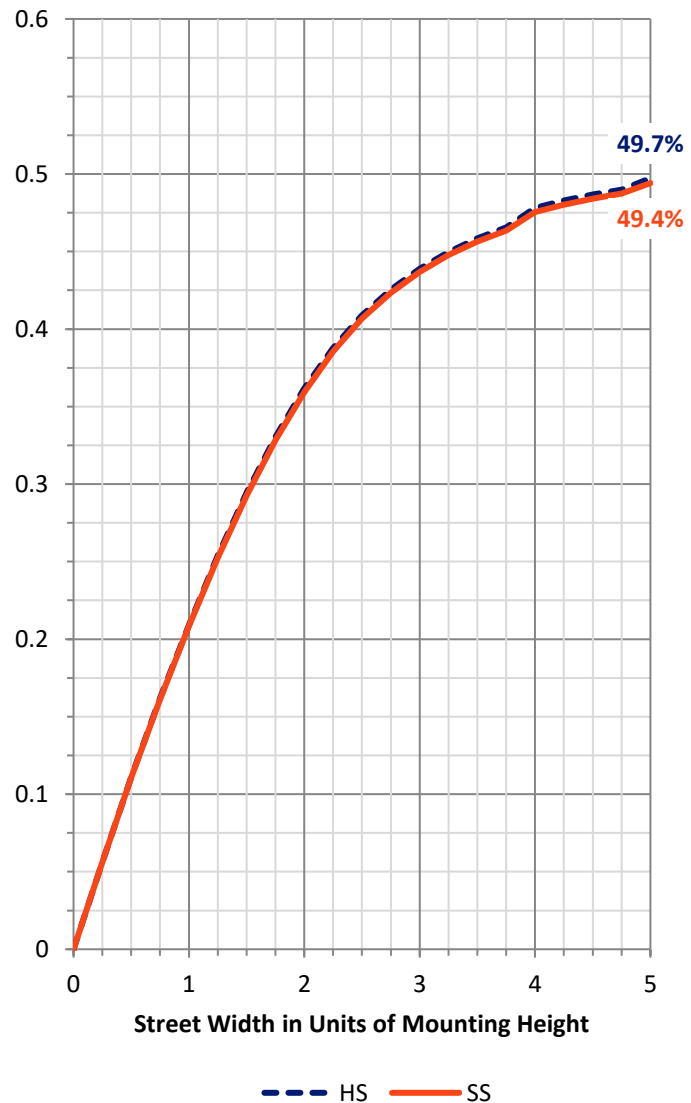
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10523.5	0.0	10523.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10523.5	0.0	10523.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21047.0	0.0	21047.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.4	0.5
10°-20°	361.6	1.7
20°-30°	711.4	3.4
30°-40°	1218.3	5.8
40°-50°	2273.0	10.8
50°-60°	3837.8	18.2
60°-70°	6018.9	28.6
70°-80°	5433.4	25.8
80°-90°	1082.1	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°	21047.0	100.0
0°-180°	21047.0	100.0



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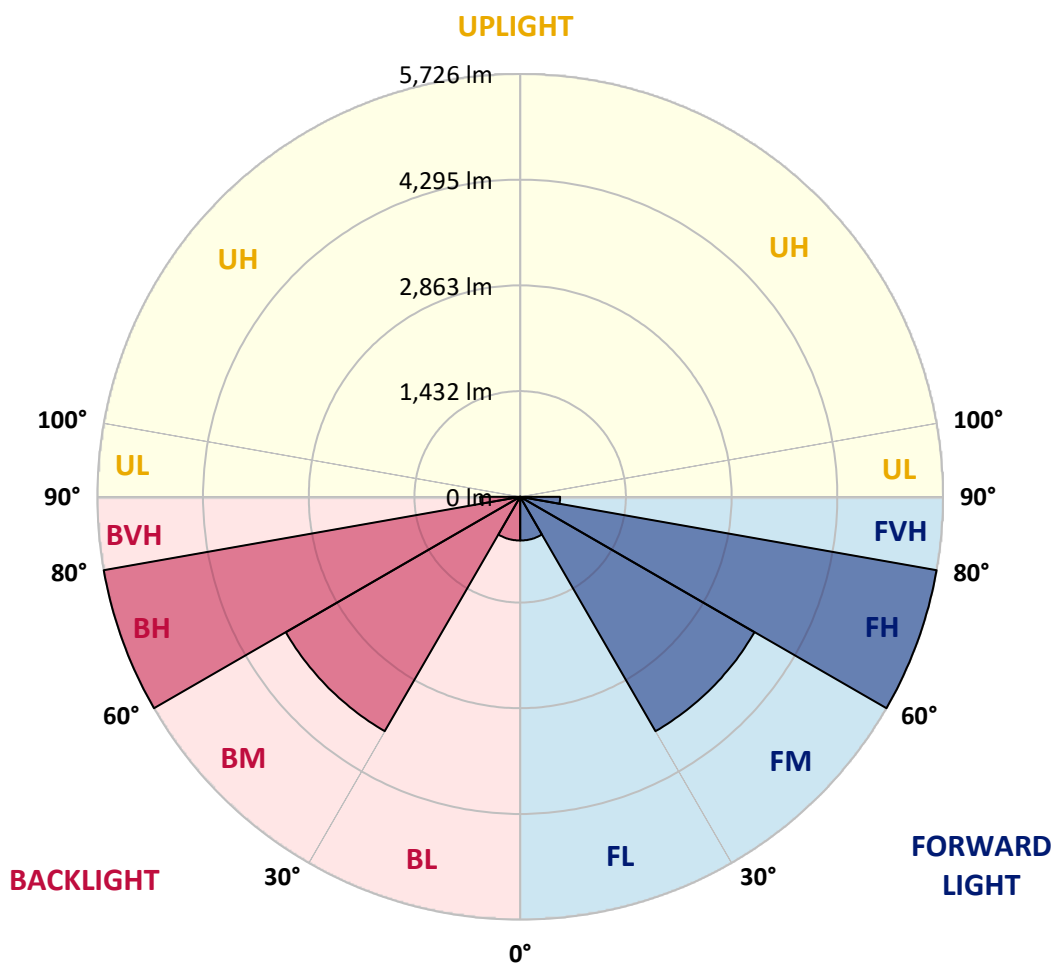
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	591.7	2.8			
FM	(30°-60°)	3664.6	17.4			
FH	(60°-80°)	5726.2	27.2			G3/7500
FVH	(80°-90°)	541.0	2.6			G4/750
BL	(0°-30°)	591.7	2.8	B2/1000		
BM	(30°-60°)	3664.6	17.4	B3/5000		
BH	(60°-80°)	5726.2	27.2	B5		G3/7500
BVH	(80°-90°)	541.0	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°	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5
2.5°	1152.5	1152.5	1140.3	1133.5	1134.9	1130.8	1130.8	1129.5	1133.5	1133.5	1129.5
5°	1159.2	1164.6	1152.5	1143.0	1145.7	1143.0	1141.6	1143.0	1149.8	1152.5	1147.1
7.5°	1172.8	1178.2	1163.3	1152.5	1156.5	1157.9	1152.5	1156.5	1160.6	1163.3	1156.5
10°	1194.4	1195.8	1186.3	1171.4	1178.2	1175.5	1174.1	1171.4	1172.8	1174.1	1172.8
12.5°	1225.5	1220.1	1209.3	1205.2	1212.0	1206.6	1199.8	1198.5	1203.9	1199.8	1203.9
15°	1264.7	1260.7	1259.3	1255.3	1266.1	1259.3	1256.6	1252.6	1256.6	1248.5	1253.9
17.5°	1308.0	1313.4	1314.8	1318.8	1328.3	1327.0	1317.5	1314.8	1316.1	1308.0	1308.0
20°	1371.6	1374.3	1378.4	1379.7	1396.0	1393.2	1382.4	1373.0	1375.7	1362.1	1358.1
22.5°	1443.3	1443.3	1441.9	1452.8	1474.4	1474.4	1451.4	1440.6	1444.6	1435.2	1427.1
25°	1513.6	1513.6	1508.2	1523.1	1556.9	1555.6	1532.6	1512.3	1519.0	1513.6	1512.3
27.5°	1586.7	1586.7	1578.6	1584.0	1642.1	1646.2	1613.7	1594.8	1593.4	1598.9	1598.9
30°	1666.5	1662.4	1655.7	1648.9	1715.2	1735.5	1690.8	1676.0	1677.3	1685.4	1688.1
32.5°	1757.1	1761.2	1750.3	1738.2	1789.6	1830.2	1767.9	1774.7	1778.8	1790.9	1800.4
35°	1888.3	1888.3	1864.0	1849.1	1880.2	1916.7	1884.3	1899.1	1923.5	1941.1	1949.2
37.5°	2035.8	2042.5	2008.7	1976.2	2010.1	2038.5	2037.1	2075.0	2123.7	2183.2	2171.0
40°	2283.3	2284.7	2226.5	2176.4	2187.3	2236.0	2272.5	2342.8	2413.2	2482.1	2478.1
42.5°	2621.5	2601.2	2553.8	2490.3	2482.1	2505.1	2586.3	2659.3	2752.7	2802.7	2813.5
45°	2979.9	2975.9	2910.9	2809.5	2783.8	2785.1	2854.1	2958.3	3062.4	3115.2	3123.3
47.5°	3368.1	3366.8	3266.7	3165.2	3090.8	3063.8	3123.3	3227.5	3337.0	3402.0	3396.5
50°	3778.0	3761.8	3668.4	3535.9	3435.8	3372.2	3404.7	3515.6	3610.3	3673.8	3673.8
52.5°	4190.6	4173.0	4083.7	3929.5	3773.9	3687.4	3672.5	3775.3	3890.3	3959.3	3957.9
55°	4649.1	4613.9	4508.4	4343.4	4163.5	4002.5	3966.0	4047.2	4189.2	4271.7	4298.8
57.5°	5087.4	5064.4	4965.6	4783.0	4580.1	4356.9	4293.4	4393.5	4538.2	4628.8	4653.2
60°	5531.0	5497.2	5412.0	5276.7	5057.6	4834.4	4733.0	4792.5	4952.1	5053.6	5034.6
62.5°	6019.4	6007.2	5935.5	5809.7	5677.1	5429.6	5272.7	5333.6	5501.3	5583.8	5552.7
65°	6395.4	6413.0	6434.6	6449.5	6413.0	6223.6	6046.4	6118.1	6184.4	6192.5	6145.2
67.5°	6104.6	6183.0	6345.4	6694.3	7101.5	7244.9	6894.5	6417.0	6164.1	6103.2	6030.2
70°	5585.2	5605.4	5846.2	6422.5	7435.6	7735.9	7185.4	6245.3	5858.4	5688.0	5651.4
72.5°	4864.2	4973.8	5263.2	6035.6	7196.2	7547.9	7021.7	5873.3	5295.7	5072.5	5027.9
75°	4020.1	4164.9	4500.3	5386.3	6609.1	6996.0	6518.5	5192.9	4465.1	4235.2	4223.0
77.5°	2981.3	3042.1	3523.7	4434.0	5865.2	6273.7	5748.8	4290.7	3565.6	3199.1	3212.6
80°	1653.0	1724.6	2194.0	3055.7	4462.4	4904.8	4374.5	3090.8	2367.2	2076.3	2054.7
82.5°	727.7	783.2	1103.8	1724.6	2771.6	3155.8	2620.1	1632.7	1099.7	831.9	800.8
85°	217.8	240.8	380.1	691.2	1322.9	1306.7	835.9	374.7	150.1	82.5	78.5
87.5°	51.4	56.8	102.8	158.3	169.1	63.6	29.8	25.7	25.7	25.7	25.7
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)