

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: P553598

Luminaire Tested: **VERD-G-CA2-160-722-U-T5**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553598  
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-CA2-160-722-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 1460mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19083 lumens  
Efficiency: N/A  
Efficacy: 117.4 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

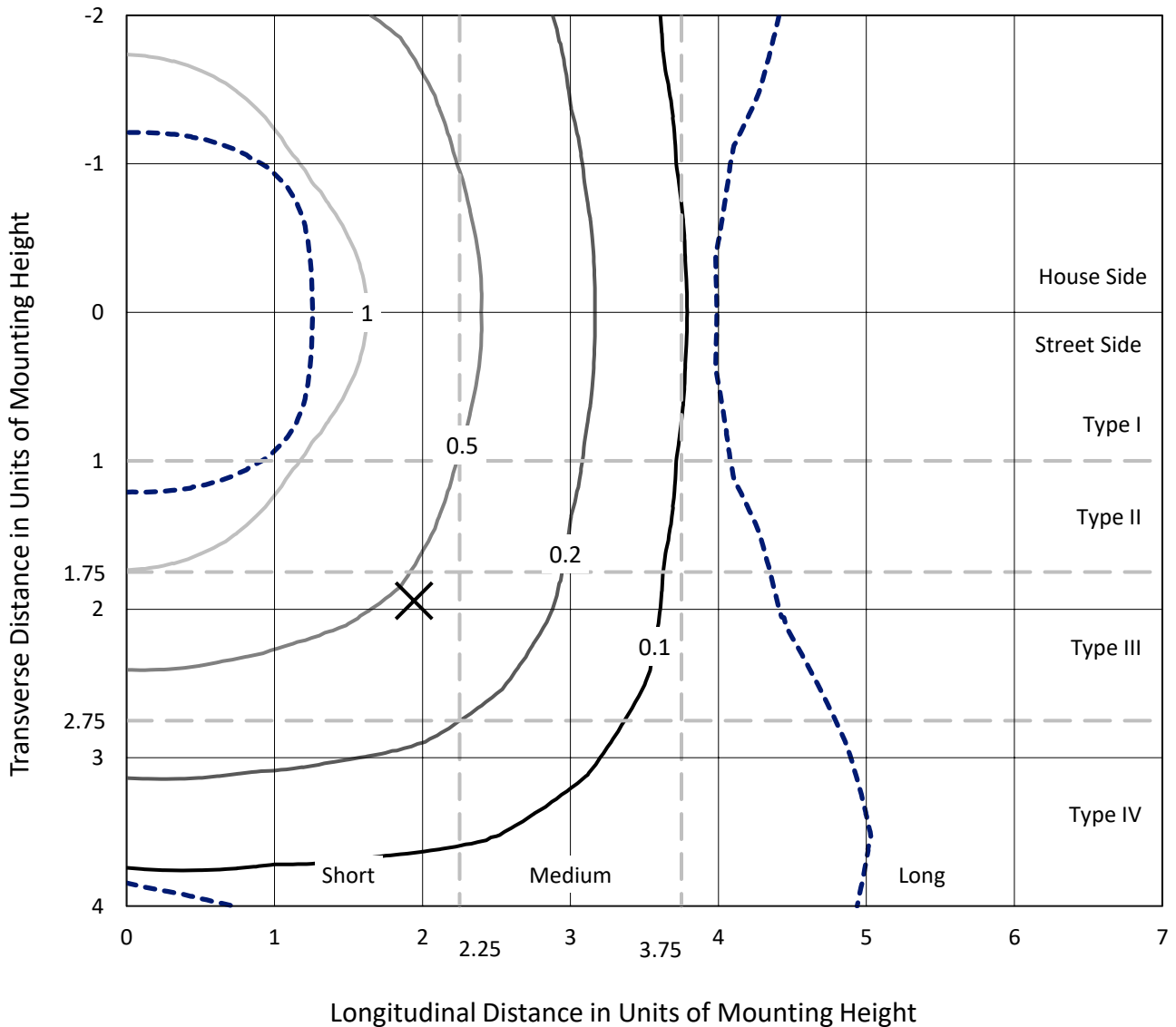
Input Watts (W): 162.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

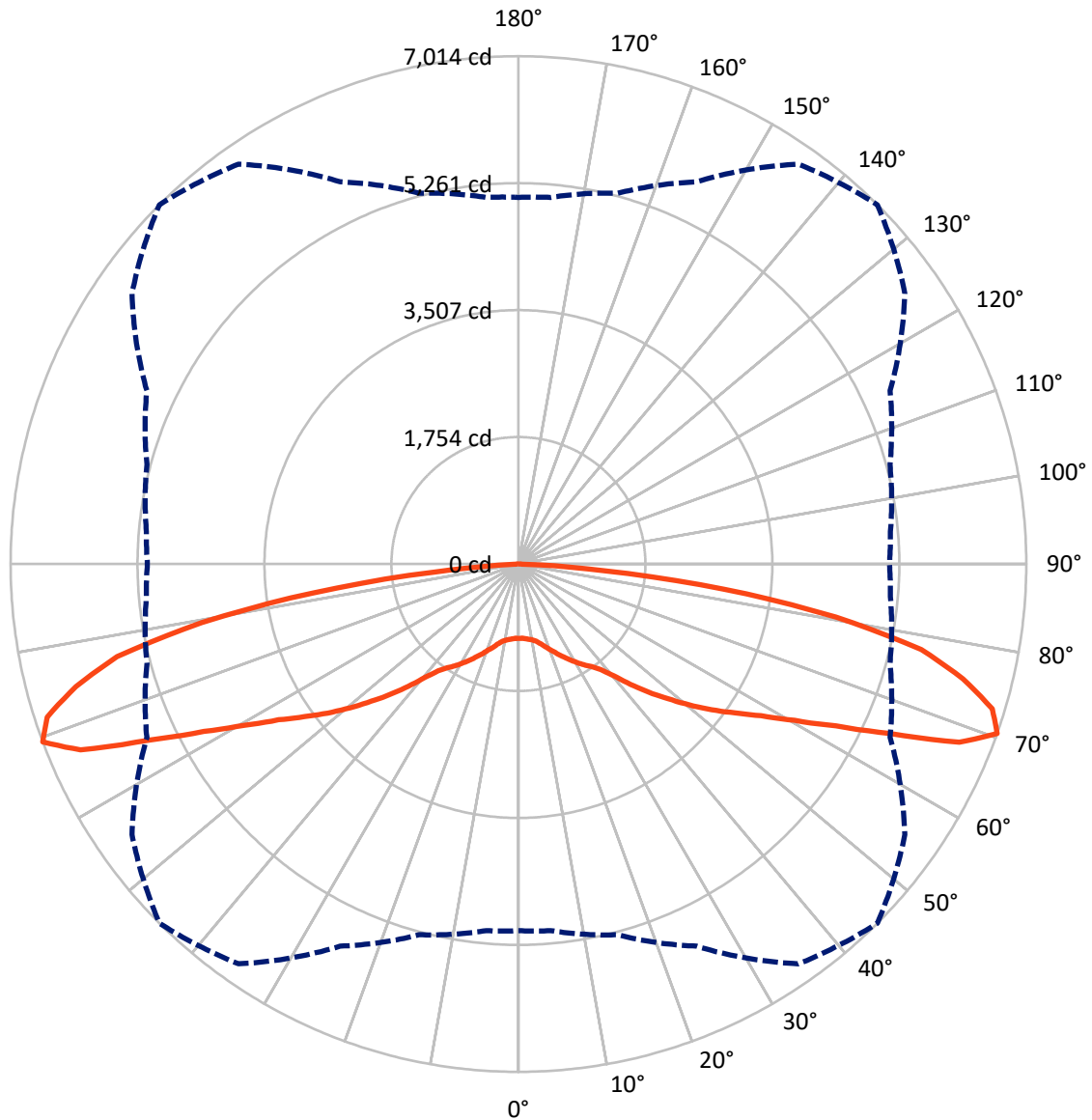
× Max cd  
 - - - 1/2 Max cd



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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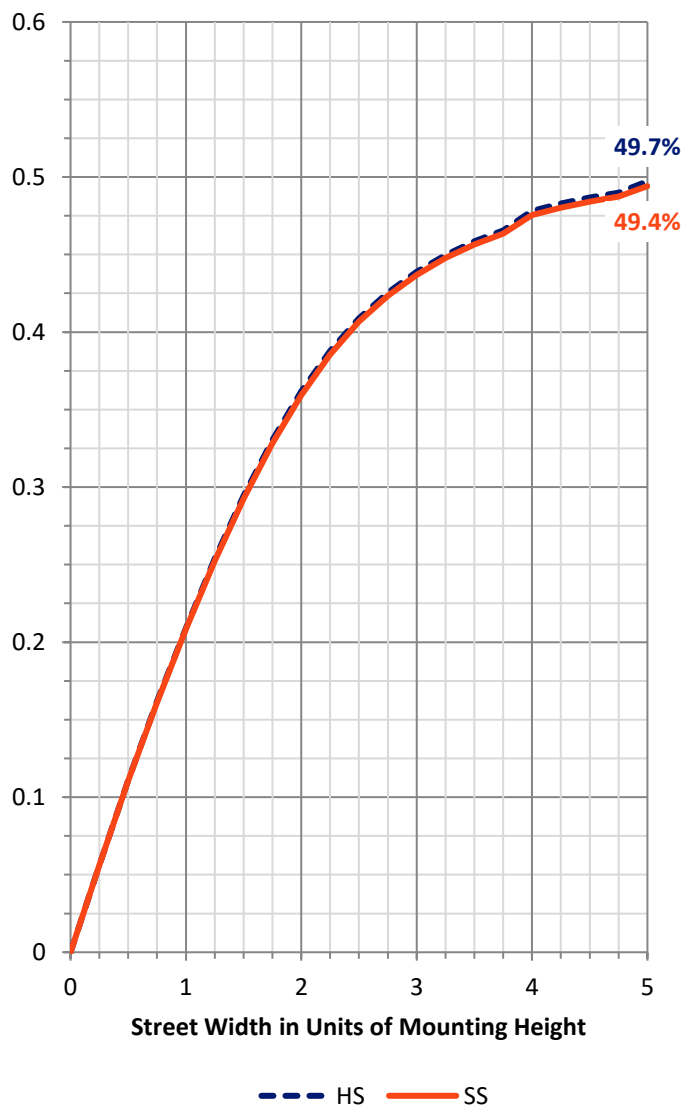
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9541.5	0.0	9541.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9541.5	0.0	9541.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19083.0	0.0	19083.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.1	0.5
10°-20°	327.9	1.7
20°-30°	645.0	3.4
30°-40°	1104.6	5.8
40°-50°	2060.9	10.8
50°-60°	3479.7	18.2
60°-70°	5457.3	28.6
70°-80°	4926.4	25.8
80°-90°	981.1	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°	19083.0	100.0
0°-180°	19083.0	100.0

**Coefficient of Utilization**



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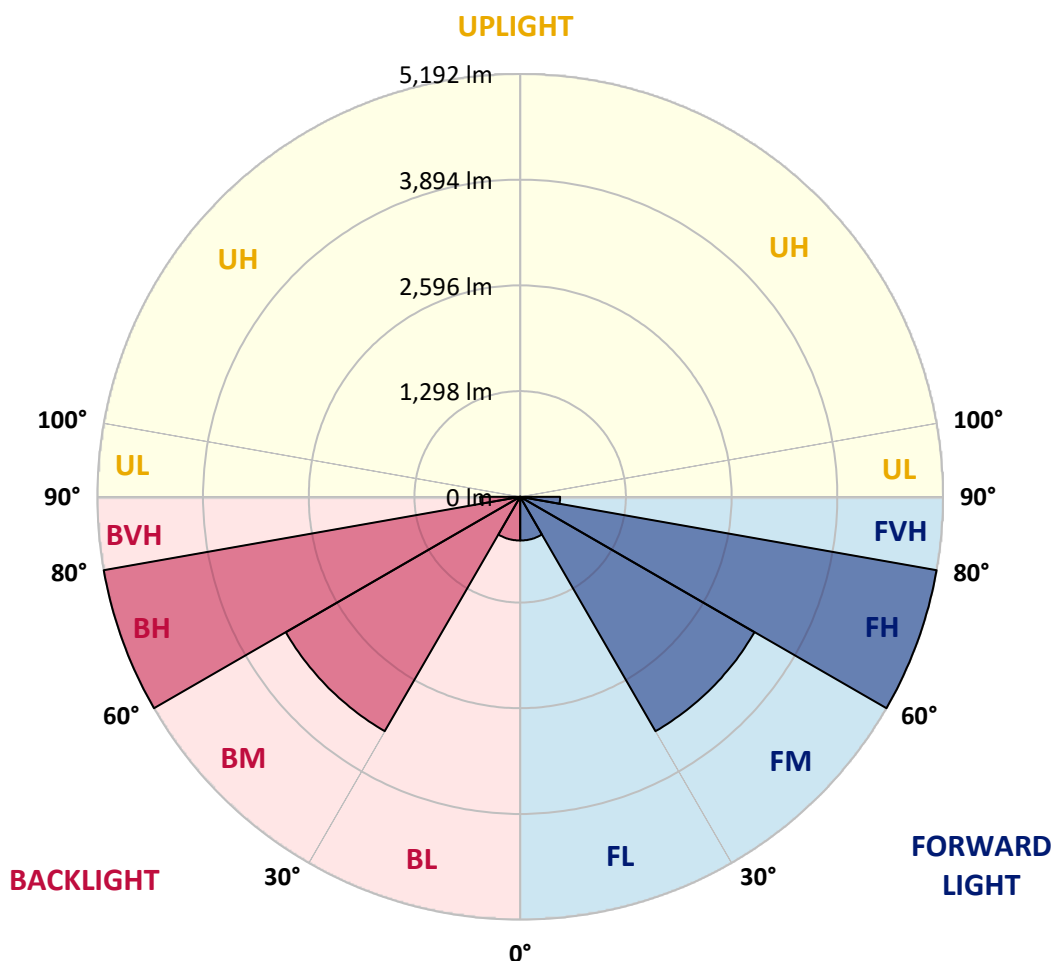
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	536.5	2.8			
FM	(30°-60°)	3322.6	17.4			
FH	(60°-80°)	5191.8	27.2			G3/7500
FVH	(80°-90°)	490.5	2.6			G3/500
BL	(0°-30°)	536.5	2.8	B2/1000		
BM	(30°-60°)	3322.6	17.4	B3/5000		
BH	(60°-80°)	5191.8	27.2	B5		G3/7500
BVH	(80°-90°)	490.5	2.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8
2.5°	1044.9	1044.9	1033.9	1027.8	1029.0	1025.3	1025.3	1024.1	1027.8	1027.8	1024.1
5°	1051.1	1056.0	1044.9	1036.3	1038.8	1036.3	1035.1	1036.3	1042.5	1044.9	1040.0
7.5°	1063.3	1068.2	1054.7	1044.9	1048.6	1049.8	1044.9	1048.6	1052.3	1054.7	1048.6
10°	1082.9	1084.2	1075.6	1062.1	1068.2	1065.8	1064.6	1062.1	1063.3	1064.6	1063.3
12.5°	1111.2	1106.3	1096.4	1092.8	1098.9	1094.0	1087.9	1086.6	1091.5	1087.9	1091.5
15°	1146.7	1143.0	1141.8	1138.1	1147.9	1141.8	1139.4	1135.7	1139.4	1132.0	1136.9
17.5°	1186.0	1190.9	1192.1	1195.8	1204.4	1203.1	1194.6	1192.1	1193.3	1186.0	1186.0
20°	1243.6	1246.1	1249.7	1251.0	1265.7	1263.2	1253.4	1244.8	1247.3	1235.0	1231.3
22.5°	1308.6	1308.6	1307.4	1317.2	1336.8	1336.8	1316.0	1306.2	1309.8	1301.3	1293.9
25°	1372.4	1372.4	1367.5	1381.0	1411.6	1410.4	1389.6	1371.2	1377.3	1372.4	1371.2
27.5°	1438.6	1438.6	1431.3	1436.2	1488.9	1492.6	1463.1	1446.0	1444.7	1449.7	1449.7
30°	1511.0	1507.3	1501.2	1495.0	1555.1	1573.5	1533.1	1519.6	1520.8	1528.1	1530.6
32.5°	1593.1	1596.8	1587.0	1576.0	1622.6	1659.4	1603.0	1609.1	1612.8	1623.8	1632.4
35°	1712.1	1712.1	1690.0	1676.5	1704.8	1737.9	1708.4	1721.9	1744.0	1759.9	1767.3
37.5°	1845.8	1851.9	1821.3	1791.8	1822.5	1848.2	1847.0	1881.4	1925.5	1979.5	1968.4
40°	2070.2	2071.5	2018.7	1973.3	1983.2	2027.3	2060.4	2124.2	2188.0	2250.5	2246.8
42.5°	2376.8	2358.4	2315.5	2257.9	2250.5	2271.4	2345.0	2411.2	2495.8	2541.2	2551.0
45°	2701.9	2698.2	2639.3	2547.3	2524.0	2525.2	2587.8	2682.2	2776.7	2824.5	2831.9
47.5°	3053.8	3052.6	2961.9	2869.9	2802.4	2777.9	2831.9	2926.3	3025.6	3084.5	3079.6
50°	3425.5	3410.7	3326.1	3205.9	3115.2	3057.5	3087.0	3187.5	3273.4	3331.0	3331.0
52.5°	3799.5	3783.6	3702.6	3562.8	3421.8	3343.3	3329.8	3423.0	3527.2	3589.8	3588.6
55°	4215.3	4183.4	4087.7	3938.1	3775.0	3629.0	3595.9	3669.5	3798.3	3873.1	3897.6
57.5°	4612.6	4591.8	4502.3	4336.7	4152.7	3950.4	3892.7	3983.5	4114.7	4196.9	4219.0
60°	5014.9	4984.3	4907.0	4784.3	4585.7	4383.3	4291.3	4345.3	4490.0	4582.0	4564.8
62.5°	5457.7	5446.6	5381.6	5267.6	5147.4	4922.9	4780.7	4835.9	4987.9	5062.8	5034.5
65°	5798.6	5814.6	5834.2	5847.7	5814.6	5642.9	5482.2	5547.2	5607.3	5614.7	5571.7
67.5°	5534.9	5606.1	5753.2	6069.7	6438.8	6568.8	6251.2	5818.2	5588.9	5533.7	5467.5
70°	5064.0	5082.4	5300.7	5823.1	6741.8	7014.0	6514.9	5662.5	5311.7	5157.2	5124.1
72.5°	4410.3	4509.6	4772.1	5472.4	6524.7	6843.5	6366.5	5325.2	4801.5	4599.2	4558.7
75°	3645.0	3776.2	4080.4	4883.7	5992.4	6343.2	5910.2	4708.3	4048.5	3840.0	3829.0
77.5°	2703.1	2758.3	3194.9	4020.3	5317.9	5688.2	5212.4	3890.3	3232.9	2900.5	2912.8
80°	1498.7	1563.7	1989.3	2770.5	4046.0	4447.1	3966.3	2802.4	2146.3	1882.6	1863.0
82.5°	659.8	710.1	1000.8	1563.7	2513.0	2861.3	2375.6	1480.3	997.1	754.3	726.1
85°	197.5	218.3	344.6	626.7	1199.5	1184.7	757.9	339.7	136.1	74.8	71.1
87.5°	46.6	51.5	93.2	143.5	153.3	57.6	27.0	23.3	23.3	23.3	23.3
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)