

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: P553550

Luminaire Tested: **VERD-G-CA2-150-722-U-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553550
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-CA2-150-722-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1380mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18151 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

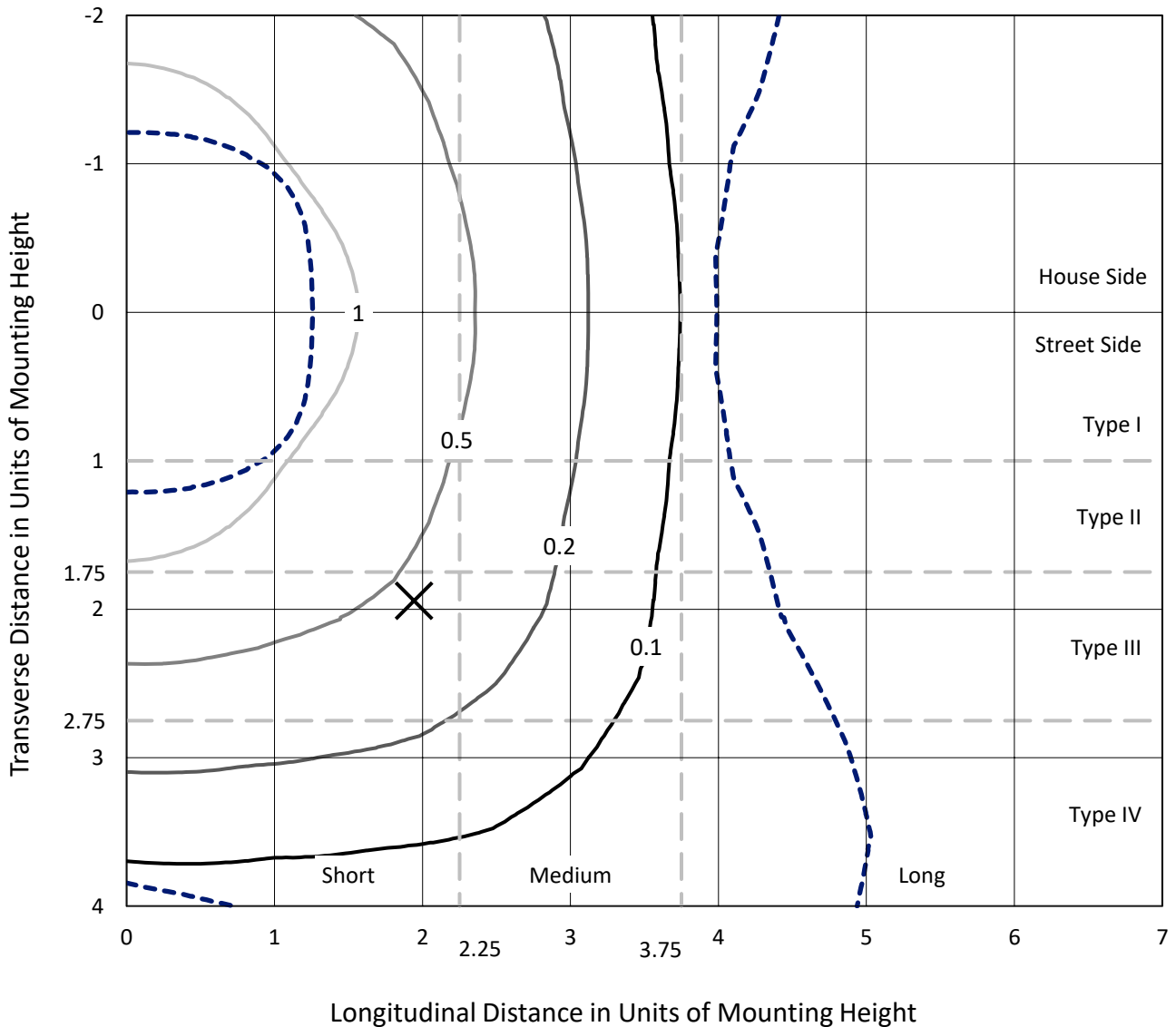
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

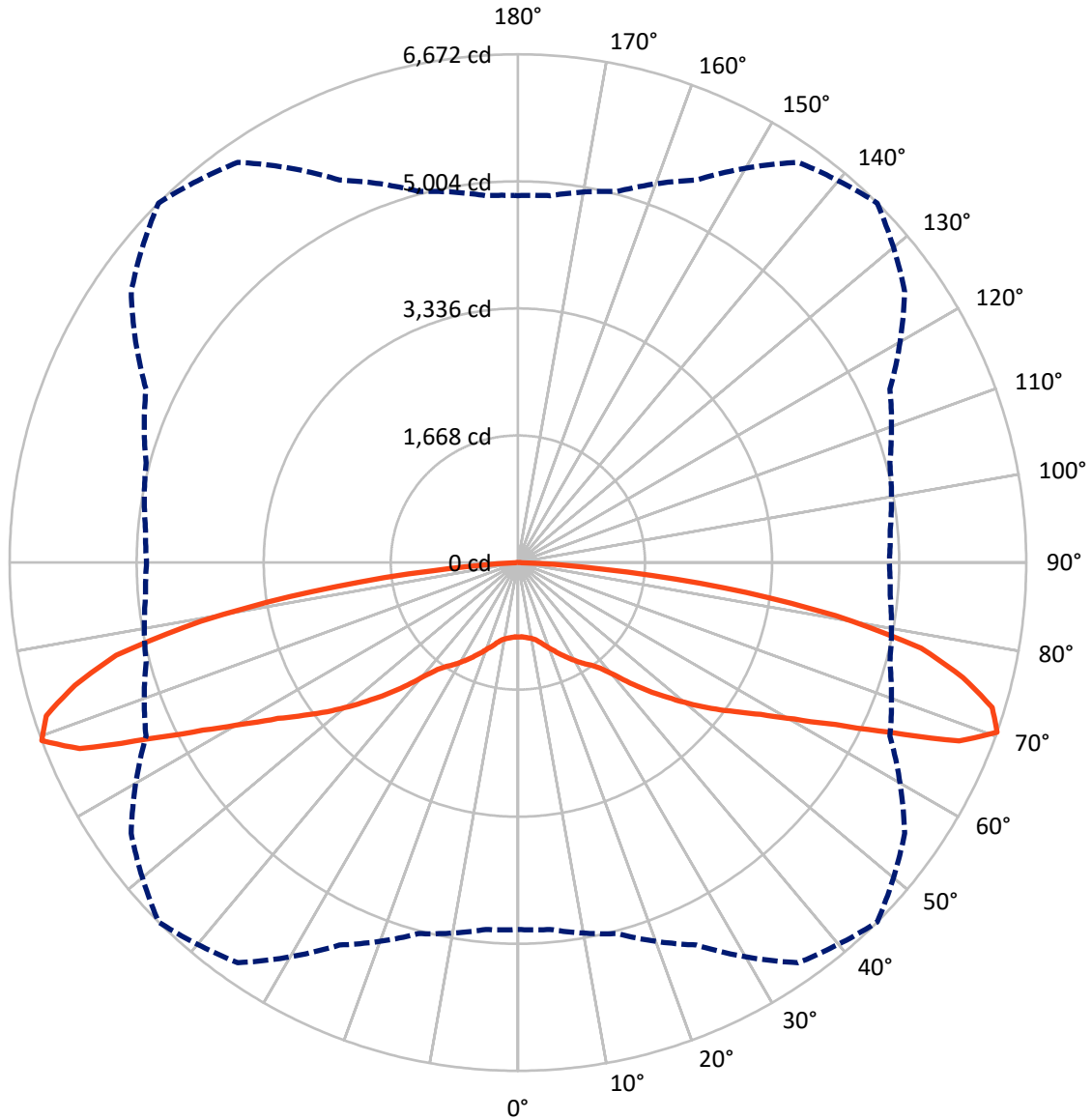
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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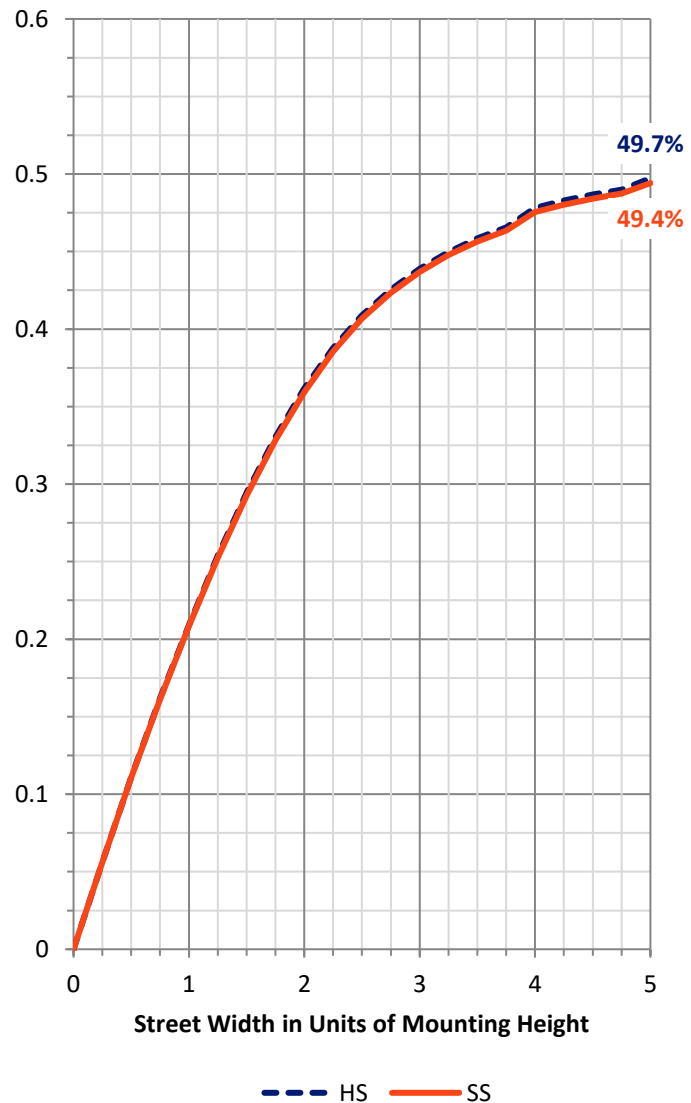
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9075.5	0.0	9075.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9075.5	0.0	9075.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18151.0	0.0	18151.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	0.5
10°-20°	311.8	1.7
20°-30°	613.5	3.4
30°-40°	1050.7	5.8
40°-50°	1960.2	10.8
50°-60°	3309.8	18.2
60°-70°	5190.8	28.6
70°-80°	4685.8	25.8
80°-90°	933.2	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°	18151.0	100.0
0°-180°	18151.0	100.0



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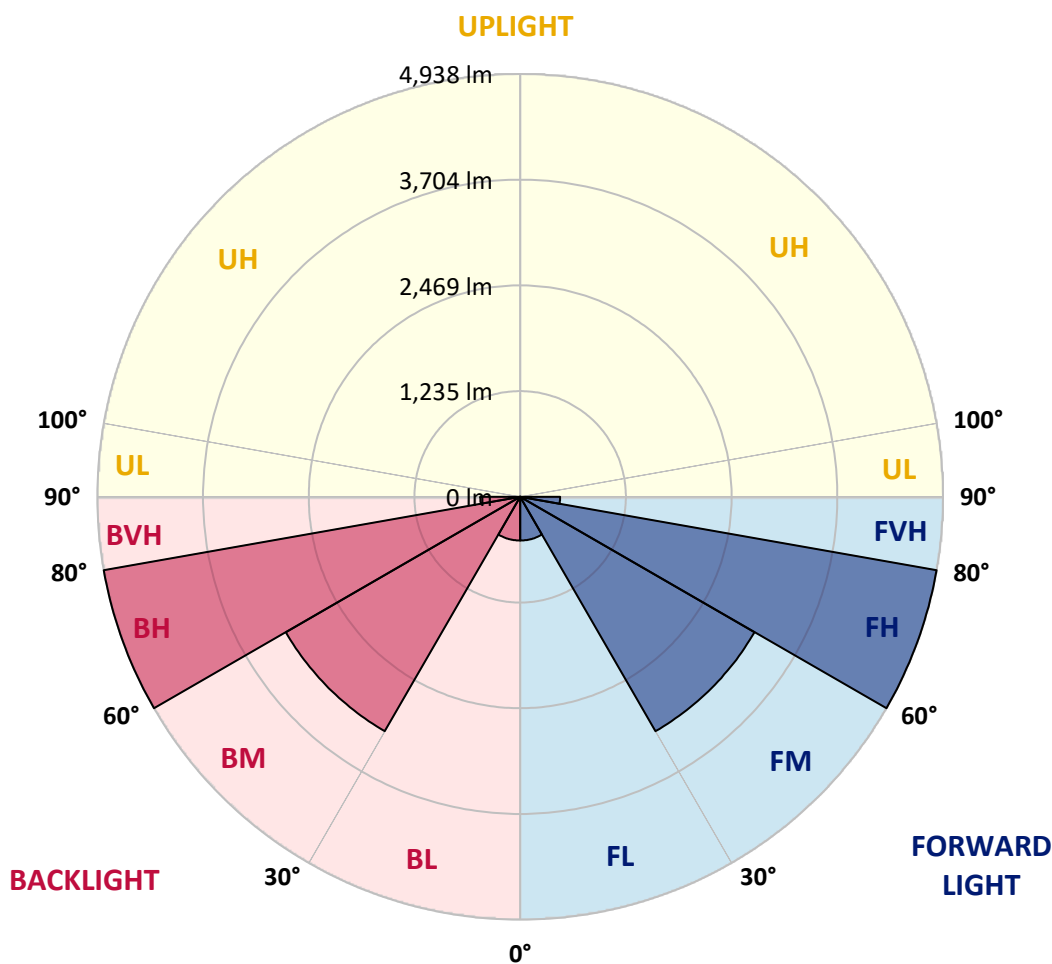
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.3	2.8			
FM (30°-60°)	3160.3	17.4			
FH (60°-80°)	4938.3	27.2			G2/5000
FVH (80°-90°)	466.6	2.6			G3/500
BL (0°-30°)	510.3	2.8	B2/1000		
BM (30°-60°)	3160.3	17.4	B3/5000		
BH (60°-80°)	4938.3	27.2	B4/5000		G2/5000
BVH (80°-90°)	466.6	2.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	977.6	977.6	977.6	977.6	977.6	977.6	977.6	977.6	977.6	977.6	977.6
2.5°	993.9	993.9	983.4	977.6	978.7	975.2	975.2	974.1	977.6	977.6	974.1
5°	999.7	1004.4	993.9	985.7	988.1	985.7	984.6	985.7	991.6	993.9	989.2
7.5°	1011.4	1016.1	1003.2	993.9	997.4	998.6	993.9	997.4	1000.9	1003.2	997.4
10°	1030.1	1031.2	1023.1	1010.2	1016.1	1013.7	1012.6	1010.2	1011.4	1012.6	1011.4
12.5°	1056.9	1052.2	1042.9	1039.4	1045.2	1040.6	1034.7	1033.6	1038.2	1034.7	1038.2
15°	1090.7	1087.2	1086.1	1082.6	1091.9	1086.1	1083.7	1080.2	1083.7	1076.7	1081.4
17.5°	1128.0	1132.7	1133.9	1137.4	1145.5	1144.4	1136.2	1133.9	1135.0	1128.0	1128.0
20°	1182.9	1185.2	1188.7	1189.9	1203.9	1201.5	1192.2	1184.0	1186.4	1174.7	1171.2
22.5°	1244.7	1244.7	1243.5	1252.9	1271.5	1271.5	1251.7	1242.4	1245.9	1237.7	1230.7
25°	1305.4	1305.4	1300.7	1313.5	1342.7	1341.5	1321.7	1304.2	1310.0	1305.4	1304.2
27.5°	1368.4	1368.4	1361.4	1366.0	1416.2	1419.7	1391.7	1375.4	1374.2	1378.9	1378.9
30°	1437.2	1433.7	1427.8	1422.0	1479.2	1496.7	1458.2	1445.3	1446.5	1453.5	1455.8
32.5°	1515.3	1518.8	1509.5	1499.0	1543.3	1578.3	1524.7	1530.5	1534.0	1544.5	1552.7
35°	1628.5	1628.5	1607.5	1594.7	1621.5	1653.0	1625.0	1637.8	1658.8	1674.0	1681.0
37.5°	1755.6	1761.5	1732.3	1704.3	1733.5	1758.0	1756.8	1789.5	1831.5	1882.8	1872.3
40°	1969.1	1970.3	1920.1	1877.0	1886.3	1928.3	1959.8	2020.5	2081.1	2140.6	2137.1
42.5°	2260.8	2243.3	2202.4	2147.6	2140.6	2160.4	2230.4	2293.4	2373.9	2417.1	2426.4
45°	2569.9	2566.4	2510.4	2422.9	2400.7	2401.9	2461.4	2551.2	2641.1	2686.5	2693.5
47.5°	2904.7	2903.5	2817.2	2729.7	2665.6	2642.2	2693.5	2783.4	2877.9	2933.9	2929.2
50°	3258.2	3244.2	3163.7	3049.3	2963.0	2908.2	2936.2	3031.8	3113.5	3168.3	3168.3
52.5°	3614.0	3598.8	3521.8	3388.8	3254.7	3180.0	3167.2	3255.8	3355.0	3414.5	3413.3
55°	4009.4	3979.1	3888.1	3745.8	3590.6	3451.8	3420.3	3490.3	3612.8	3683.9	3707.3
57.5°	4387.4	4367.5	4282.4	4124.9	3949.9	3757.4	3702.6	3788.9	3913.8	3991.9	4012.9
60°	4770.0	4740.8	4667.3	4550.7	4361.7	4169.2	4081.7	4133.1	4270.7	4358.2	4341.9
62.5°	5191.1	5180.6	5118.8	5010.3	4896.0	4682.5	4547.2	4599.7	4744.3	4815.5	4788.7
65°	5515.4	5530.6	5549.2	5562.1	5530.6	5367.3	5214.4	5276.3	5333.4	5340.4	5299.6
67.5°	5264.6	5332.3	5472.3	5773.2	6124.4	6248.0	5945.9	5534.1	5315.9	5263.4	5200.4
70°	4816.7	4834.2	5041.8	5538.7	6412.5	6671.5	6196.7	5385.9	5052.3	4905.3	4873.8
72.5°	4194.9	4289.4	4539.0	5205.1	6206.0	6509.3	6055.5	5065.1	4567.0	4374.5	4336.0
75°	3467.0	3591.8	3881.1	4645.2	5699.7	6033.4	5621.6	4478.4	3850.8	3652.4	3641.9
77.5°	2571.1	2623.6	3038.8	3823.9	5058.1	5410.4	4957.8	3700.3	3075.0	2758.9	2770.5
80°	1425.5	1487.3	1892.1	2635.2	3848.4	4229.9	3772.6	2665.6	2041.5	1790.6	1772.0
82.5°	627.6	675.4	951.9	1487.3	2390.2	2721.5	2259.6	1408.0	948.4	717.4	690.6
85°	187.8	207.6	327.8	596.1	1140.9	1126.9	720.9	323.1	129.5	71.2	67.7
87.5°	44.3	49.0	88.7	136.5	145.8	54.8	25.7	22.2	22.2	22.2	22.2
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)