

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: P509506

Luminaire Tested: **VERD-G-CA2-110-730-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-110-730-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1020mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16609 lumens
Efficiency: N/A
Efficacy: 146.7 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

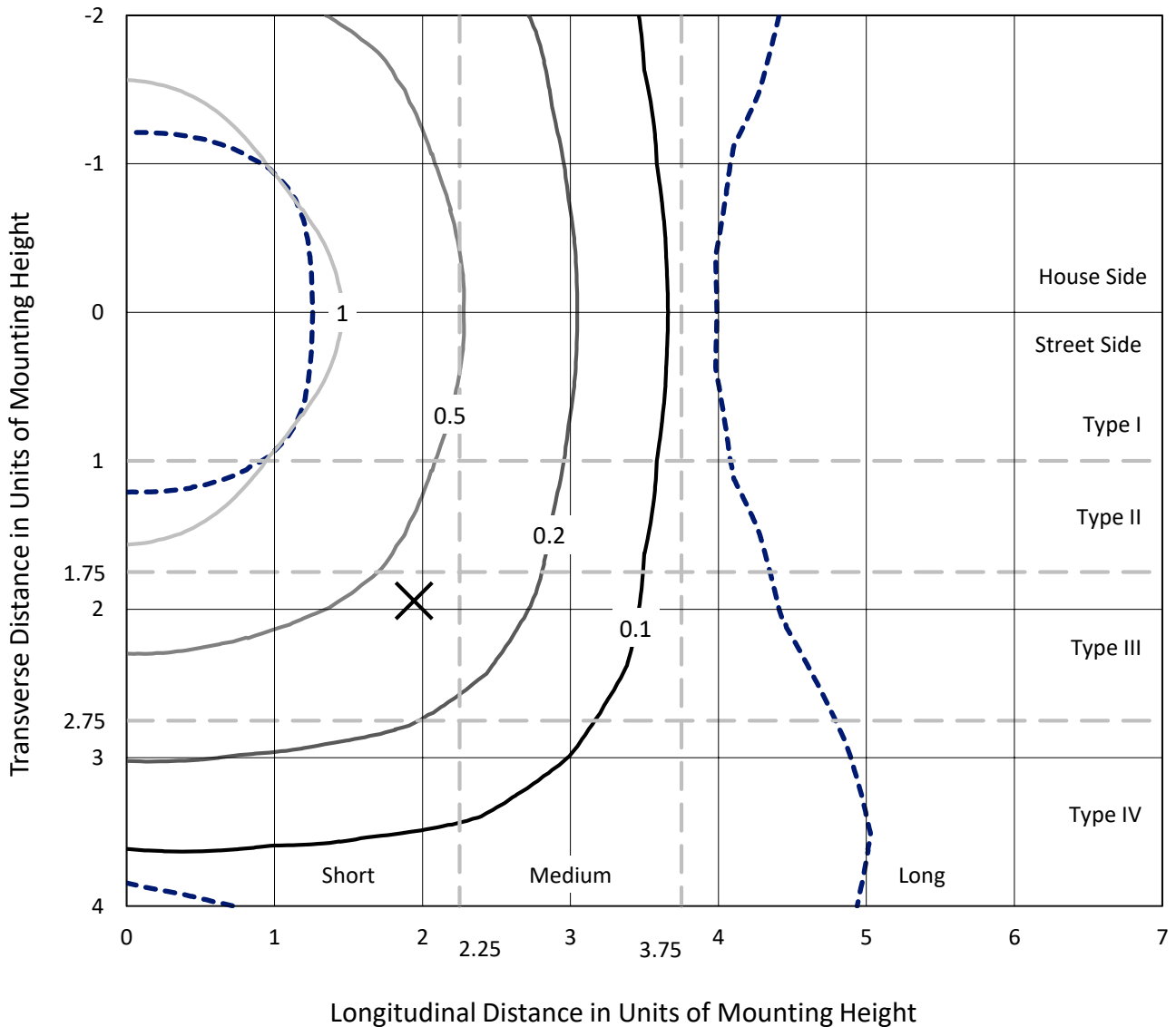
Input Watts (W): 113.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

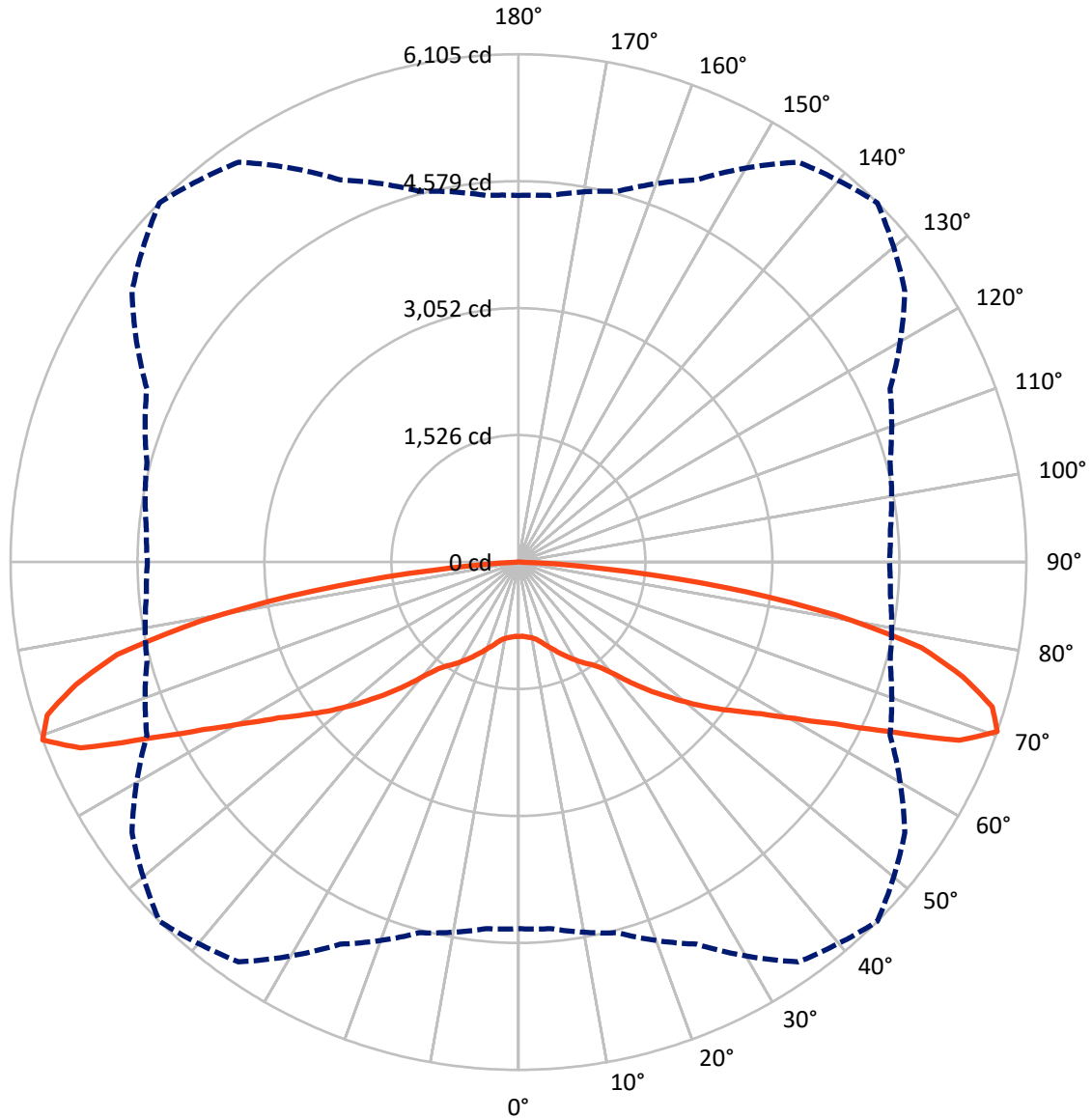
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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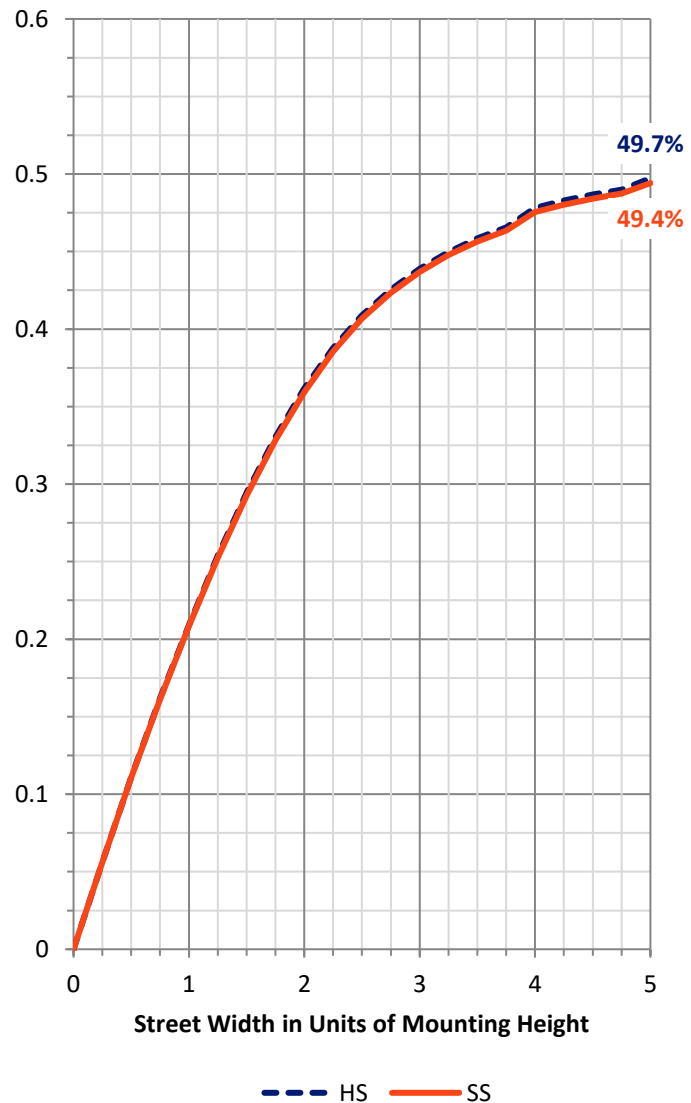
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8304.5	0.0	8304.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8304.5	0.0	8304.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16609.0	0.0	16609.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	0.5
10°-20°	285.4	1.7
20°-30°	561.4	3.4
30°-40°	961.4	5.8
40°-50°	1793.7	10.8
50°-60°	3028.6	18.2
60°-70°	4749.8	28.6
70°-80°	4287.7	25.8
80°-90°	853.9	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°	16609.0	100.0
0°-180°	16609.0	100.0



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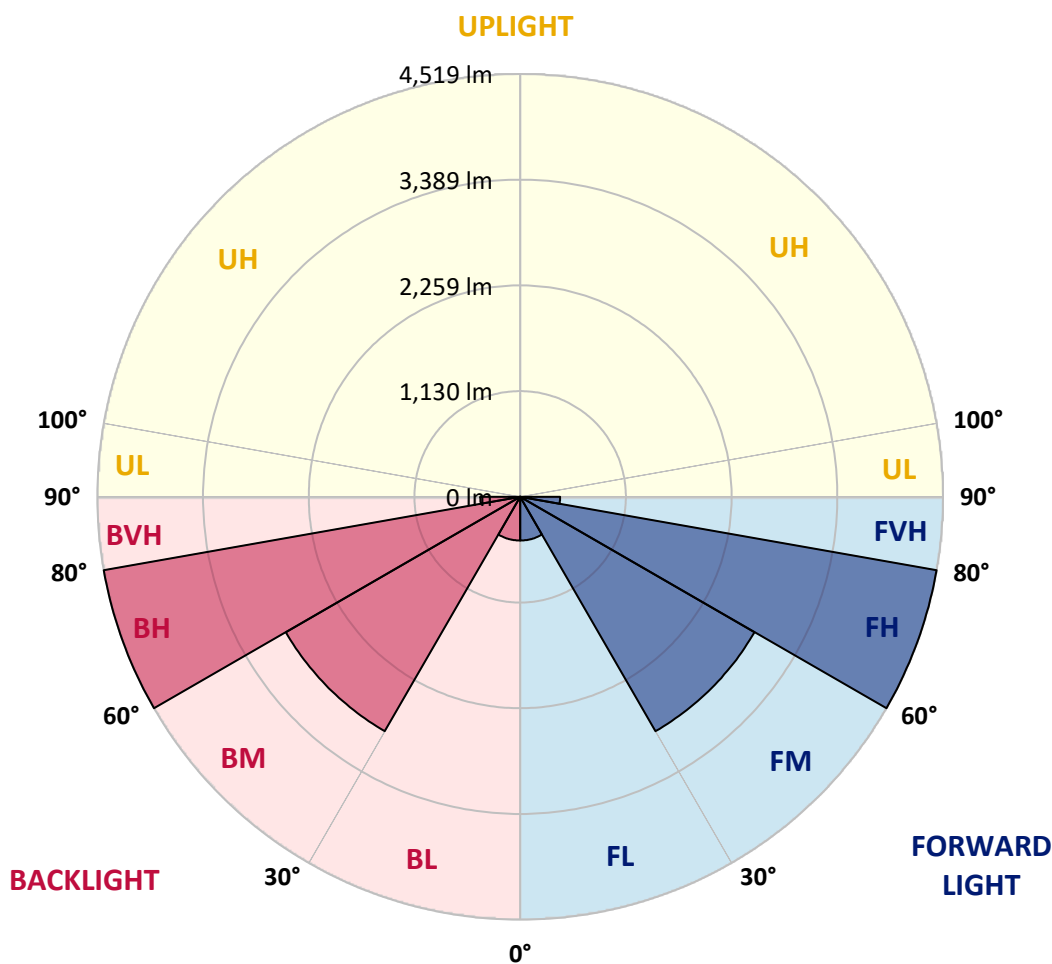
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	467.0	2.8			
FM (30°-60°)	2891.9	17.4			
FH (60°-80°)	4518.7	27.2			G2/5000
FVH (80°-90°)	426.9	2.6			G3/500
BL (0°-30°)	467.0	2.8	B1/500		
BM (30°-60°)	2891.9	17.4	B3/5000		
BH (60°-80°)	4518.7	27.2	B4/5000		G2/5000
BVH (80°-90°)	426.9	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°	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5
2.5°	909.5	909.5	899.9	894.5	895.6	892.4	892.4	891.3	894.5	894.5	891.3
5°	914.8	919.1	909.5	902.0	904.1	902.0	900.9	902.0	907.3	909.5	905.2
7.5°	925.5	929.7	918.0	909.5	912.7	913.7	909.5	912.7	915.9	918.0	912.7
10°	942.6	943.6	936.1	924.4	929.7	927.6	926.5	924.4	925.5	926.5	925.5
12.5°	967.1	962.8	954.3	951.1	956.4	952.2	946.8	945.8	950.0	946.8	950.0
15°	998.1	994.9	993.8	990.6	999.1	993.8	991.7	988.5	991.7	985.2	989.5
17.5°	1032.2	1036.5	1037.6	1040.8	1048.2	1047.2	1039.7	1037.6	1038.6	1032.2	1032.2
20°	1082.4	1084.5	1087.7	1088.8	1101.6	1099.5	1090.9	1083.5	1085.6	1074.9	1071.7
22.5°	1139.0	1139.0	1137.9	1146.4	1163.5	1163.5	1145.4	1136.8	1140.0	1132.6	1126.1
25°	1194.5	1194.5	1190.2	1201.9	1228.6	1227.6	1209.4	1193.4	1198.7	1194.5	1193.4
27.5°	1252.1	1252.1	1245.7	1250.0	1295.9	1299.1	1273.5	1258.5	1257.4	1261.7	1261.7
30°	1315.1	1311.9	1306.5	1301.2	1353.5	1369.5	1334.3	1322.6	1323.6	1330.0	1332.2
32.5°	1386.6	1389.8	1381.3	1371.7	1412.2	1444.2	1395.1	1400.5	1403.7	1413.3	1420.8
35°	1490.1	1490.1	1470.9	1459.2	1483.7	1512.6	1486.9	1498.7	1517.9	1531.8	1538.2
37.5°	1606.5	1611.8	1585.1	1559.5	1586.2	1608.6	1607.6	1637.5	1675.9	1722.8	1713.2
40°	1801.8	1802.9	1757.0	1717.5	1726.1	1764.5	1793.3	1848.8	1904.3	1958.8	1955.6
42.5°	2068.7	2052.7	2015.3	1965.2	1958.8	1976.9	2040.9	2098.6	2172.2	2211.7	2220.3
45°	2351.6	2348.4	2297.1	2217.1	2196.8	2197.9	2252.3	2334.5	2416.7	2458.3	2464.7
47.5°	2657.9	2656.9	2577.9	2497.8	2439.1	2417.8	2464.7	2546.9	2633.4	2684.6	2680.3
50°	2981.4	2968.6	2894.9	2790.3	2711.3	2661.1	2686.7	2774.3	2849.0	2899.2	2899.2
52.5°	3306.9	3293.1	3222.6	3100.9	2978.2	2909.8	2898.1	2979.2	3070.0	3124.4	3123.3
55°	3668.8	3641.0	3557.8	3427.6	3285.6	3158.6	3129.7	3193.8	3305.9	3371.0	3392.3
57.5°	4014.6	3996.5	3918.6	3774.5	3614.4	3438.2	3388.1	3467.0	3581.3	3652.8	3672.0
60°	4364.8	4338.1	4270.8	4164.1	3991.2	3815.0	3735.0	3781.9	3907.9	3988.0	3973.0
62.5°	4750.1	4740.5	4683.9	4584.7	4480.0	4284.7	4160.9	4208.9	4341.3	4406.4	4381.8
65°	5046.9	5060.7	5077.8	5089.6	5060.7	4911.3	4771.5	4828.0	4880.3	4886.7	4849.4
67.5°	4817.4	4879.3	5007.4	5282.8	5604.1	5717.2	5440.7	5063.9	4864.3	4816.3	4758.7
70°	4407.5	4423.5	4613.5	5068.2	5867.7	6104.7	5670.2	4928.4	4623.1	4488.6	4459.8
72.5°	3838.5	3925.0	4153.4	4762.9	5678.8	5956.3	5541.1	4634.8	4179.0	4002.9	3967.7
75°	3172.4	3286.6	3551.4	4250.5	5215.5	5520.8	5144.0	4097.9	3523.6	3342.2	3332.5
77.5°	2352.6	2400.7	2780.7	3499.1	4628.4	4950.8	4536.6	3385.9	2813.8	2524.5	2535.2
80°	1304.4	1361.0	1731.4	2411.3	3521.5	3870.5	3452.1	2439.1	1868.0	1638.5	1621.4
82.5°	574.3	618.0	871.0	1361.0	2187.2	2490.3	2067.6	1288.4	867.8	656.5	631.9
85°	171.9	190.0	300.0	545.5	1044.0	1031.1	659.7	295.7	118.5	65.1	61.9
87.5°	40.6	44.8	81.1	124.9	133.4	50.2	23.5	20.3	20.3	20.3	20.3
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)