

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: P509466

Luminaire Tested: **VERD-G-CA2-100-740-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509466
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-CA2-100-740-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 930mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15560 lumens
Efficiency: N/A
Efficacy: 151.7 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

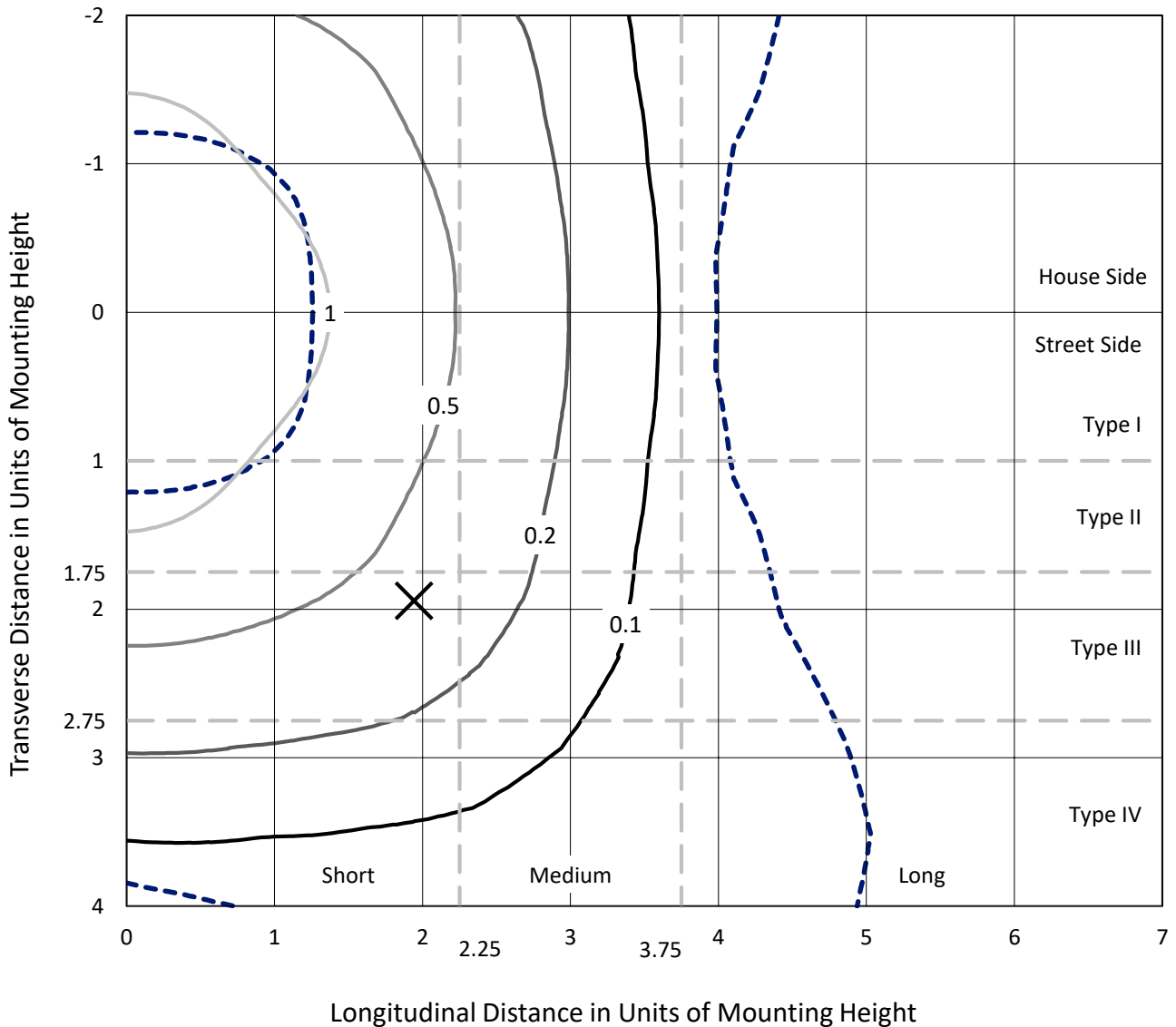
Input Watts (W): 102.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

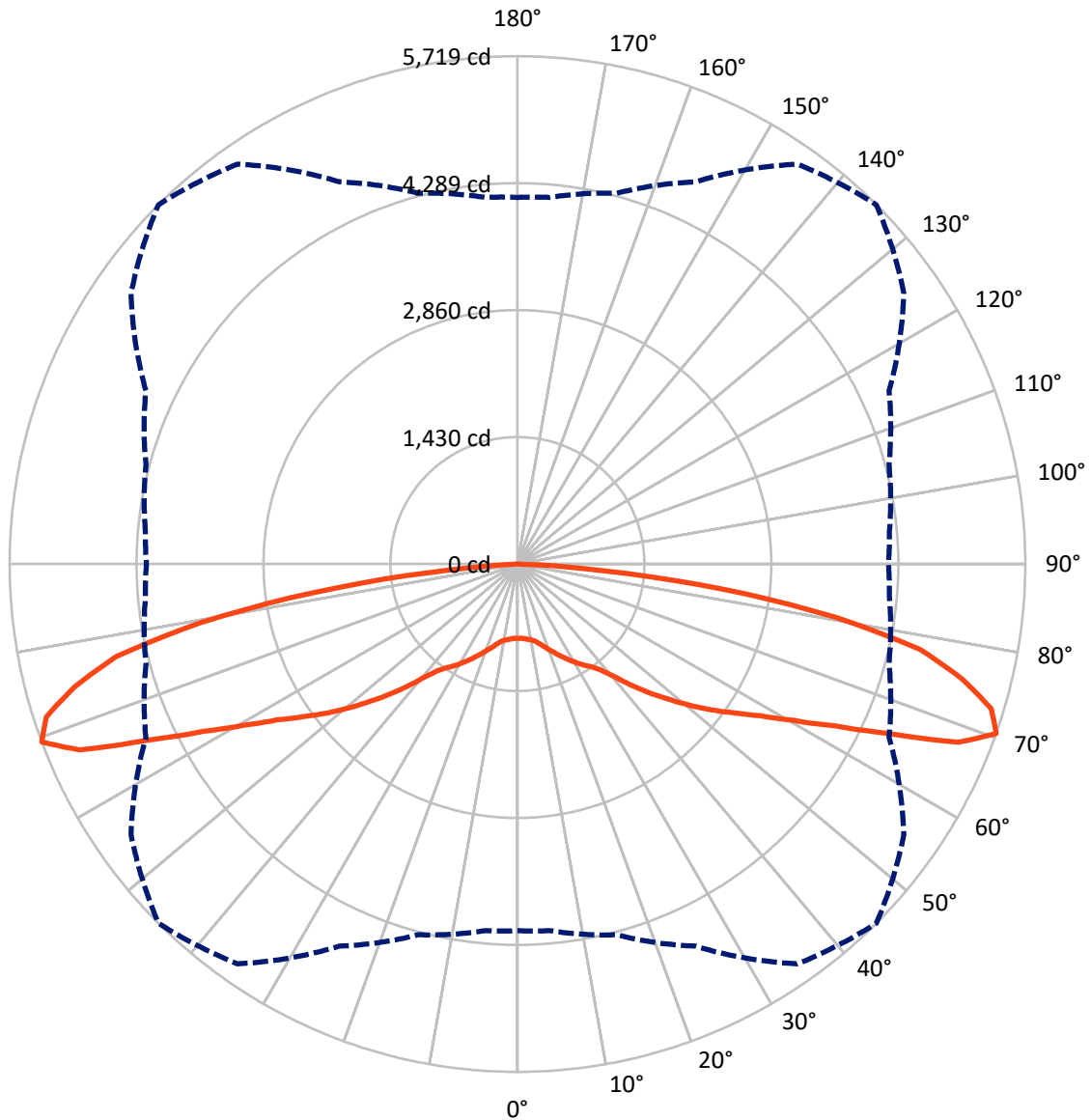
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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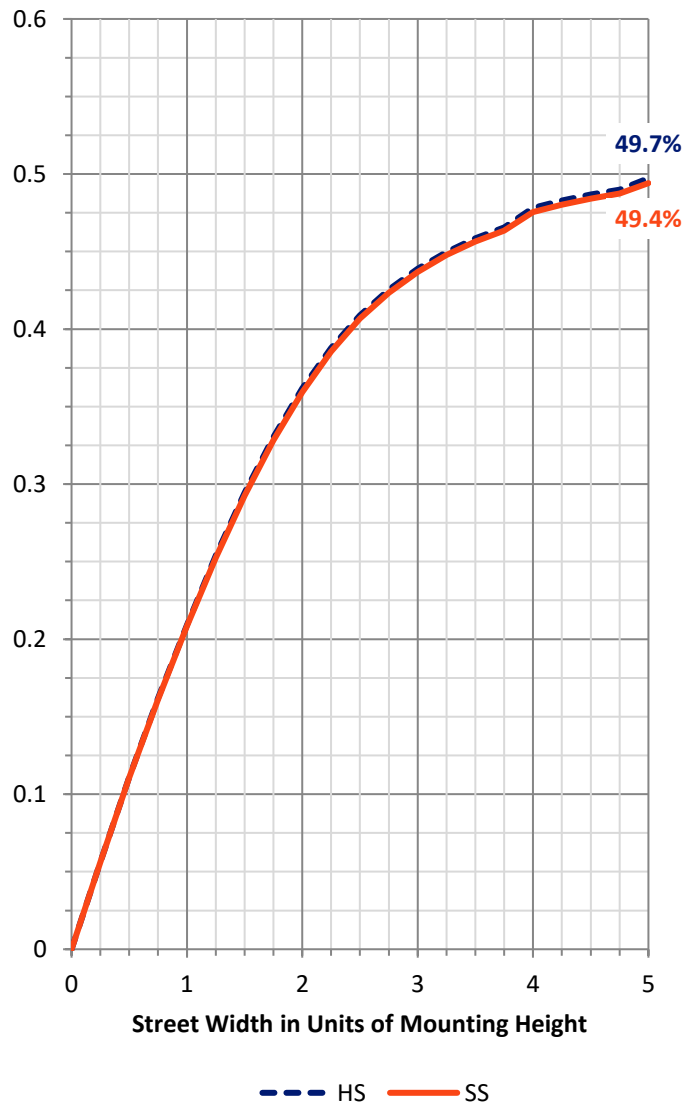
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7780.0	0.0	7780.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7780.0	0.0	7780.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15560.0	0.0	15560.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	0.5
10°-20°	267.3	1.7
20°-30°	525.9	3.4
30°-40°	900.7	5.8
40°-50°	1680.4	10.8
50°-60°	2837.3	18.2
60°-70°	4449.8	28.6
70°-80°	4016.9	25.8
80°-90°	800.0	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°	15560.0	100.0
0°-180°	15560.0	100.0



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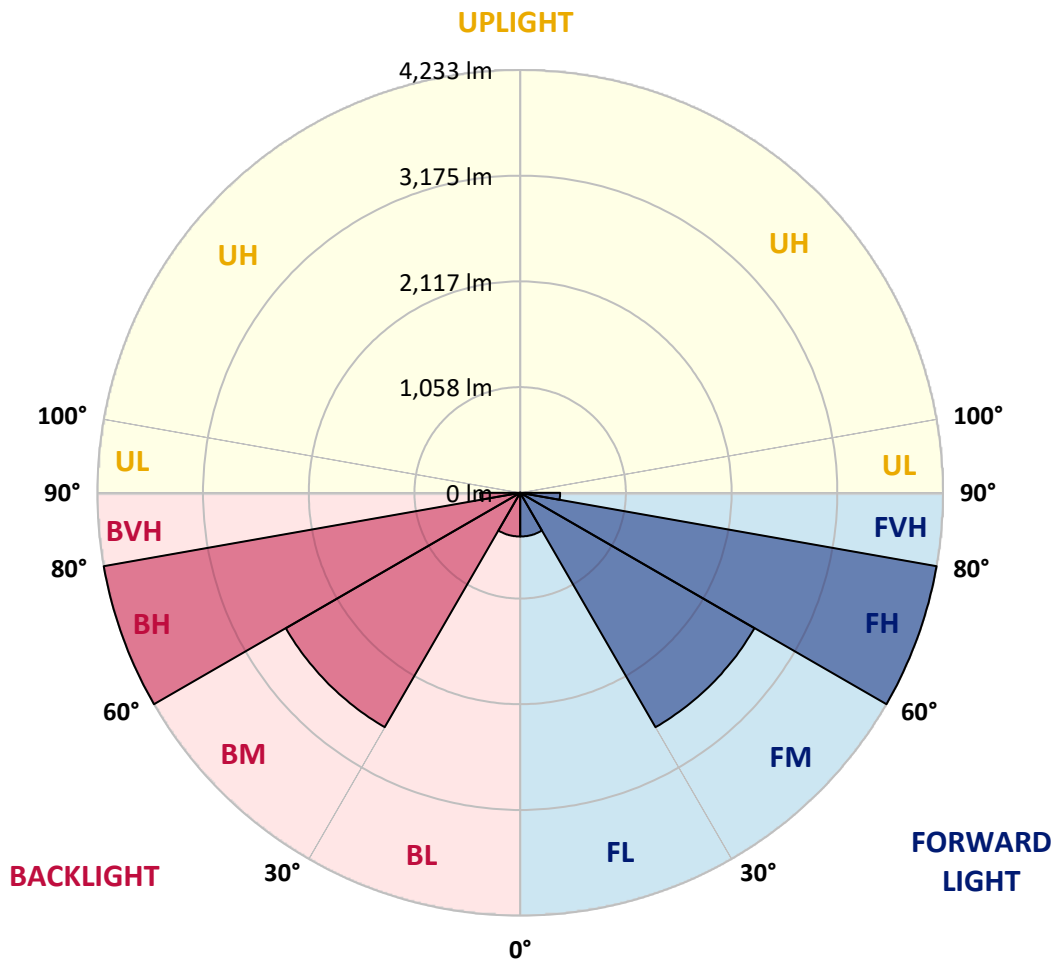
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	437.5	2.8			
FM	(30°-60°)	2709.2	17.4			
FH	(60°-80°)	4233.4	27.2			G2/5000
FVH	(80°-90°)	400.0	2.6			G3/500
BL	(0°-30°)	437.5	2.8	B1/500		
BM	(30°-60°)	2709.2	17.4	B3/5000		
BH	(60°-80°)	4233.4	27.2	B4/5000		G2/5000
BVH	(80°-90°)	400.0	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°	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0
2.5°	852.0	852.0	843.0	838.0	839.0	836.0	836.0	835.0	838.0	838.0	835.0
5°	857.0	861.0	852.0	845.0	847.0	845.0	844.0	845.0	850.0	852.0	848.0
7.5°	867.0	871.0	860.0	852.0	855.0	856.0	852.0	855.0	858.0	860.0	855.0
10°	883.0	884.0	877.0	866.0	871.0	869.0	868.0	866.0	867.0	868.0	867.0
12.5°	906.0	902.0	894.0	891.0	896.0	892.0	887.0	886.0	890.0	887.0	890.0
15°	935.0	932.0	931.0	928.0	936.0	931.0	929.0	926.0	929.0	923.0	927.0
17.5°	967.0	971.0	972.0	975.0	982.0	981.0	974.0	972.0	973.0	967.0	967.0
20°	1014.0	1016.0	1019.0	1020.0	1032.0	1030.0	1022.0	1015.0	1017.0	1007.0	1004.0
22.5°	1067.0	1067.0	1066.0	1074.0	1090.0	1090.0	1073.0	1065.0	1068.0	1061.0	1055.0
25°	1119.0	1119.0	1115.0	1126.0	1151.0	1150.0	1133.0	1118.0	1123.0	1119.0	1118.0
27.5°	1173.0	1173.0	1167.0	1171.0	1214.0	1217.0	1193.0	1179.0	1178.0	1182.0	1182.0
30°	1232.0	1229.0	1224.0	1219.0	1268.0	1283.0	1250.0	1239.0	1240.0	1246.0	1248.0
32.5°	1299.0	1302.0	1294.0	1285.0	1323.0	1353.0	1307.0	1312.0	1315.0	1324.0	1331.0
35°	1396.0	1396.0	1378.0	1367.0	1390.0	1417.0	1393.0	1404.0	1422.0	1435.0	1441.0
37.5°	1505.0	1510.0	1485.0	1461.0	1486.0	1507.0	1506.0	1534.0	1570.0	1614.0	1605.0
40°	1688.0	1689.0	1646.0	1609.0	1617.0	1653.0	1680.0	1732.0	1784.0	1835.0	1832.0
42.5°	1938.0	1923.0	1888.0	1841.0	1835.0	1852.0	1912.0	1966.0	2035.0	2072.0	2080.0
45°	2203.1	2200.0	2152.0	2077.0	2058.0	2059.0	2110.0	2187.0	2264.1	2303.1	2309.1
47.5°	2490.1	2489.1	2415.1	2340.1	2285.1	2265.1	2309.1	2386.1	2467.1	2515.1	2511.1
50°	2793.1	2781.1	2712.1	2614.1	2540.1	2493.1	2517.1	2599.1	2669.1	2716.1	2716.1
52.5°	3098.1	3085.1	3019.1	2905.1	2790.1	2726.1	2715.1	2791.1	2876.1	2927.1	2926.1
55°	3437.1	3411.1	3333.1	3211.1	3078.1	2959.1	2932.1	2992.1	3097.1	3158.1	3178.1
57.5°	3761.1	3744.1	3671.1	3536.1	3386.1	3221.1	3174.1	3248.1	3355.1	3422.1	3440.1
60°	4089.1	4064.1	4001.1	3901.1	3739.1	3574.1	3499.1	3543.1	3661.1	3736.1	3722.1
62.5°	4450.1	4441.1	4388.1	4295.1	4197.1	4014.1	3898.1	3943.1	4067.1	4128.1	4105.1
65°	4728.1	4741.1	4757.1	4768.1	4741.1	4601.1	4470.1	4523.1	4572.1	4578.1	4543.1
67.5°	4513.1	4571.1	4691.1	4949.1	5250.1	5356.1	5097.1	4744.1	4557.1	4512.1	4458.1
70°	4129.1	4144.1	4322.1	4748.1	5497.1	5719.1	5312.1	4617.1	4331.1	4205.1	4178.1
72.5°	3596.1	3677.1	3891.1	4462.1	5320.1	5580.1	5191.1	4342.1	3915.1	3750.1	3717.1
75°	2972.1	3079.1	3327.1	3982.1	4886.1	5172.1	4819.1	3839.1	3301.1	3131.1	3122.1
77.5°	2204.1	2249.1	2605.1	3278.1	4336.1	4638.1	4250.1	3172.1	2636.1	2365.1	2375.1
80°	1222.0	1275.0	1622.0	2259.1	3299.1	3626.1	3234.1	2285.1	1750.0	1535.0	1519.0
82.5°	538.0	579.0	816.0	1275.0	2049.0	2333.1	1937.0	1207.0	813.0	615.0	592.0
85°	161.0	178.0	281.0	511.0	978.0	966.0	618.0	277.0	111.0	61.0	58.0
87.5°	38.0	42.0	76.0	117.0	125.0	47.0	22.0	19.0	19.0	19.0	19.0
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)