

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: P509514

Luminaire Tested: **VERD-G-CA2-110-740-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509514
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-CA2-110-740-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1020mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16915 lumens
Efficiency: N/A
Efficacy: 149.4 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

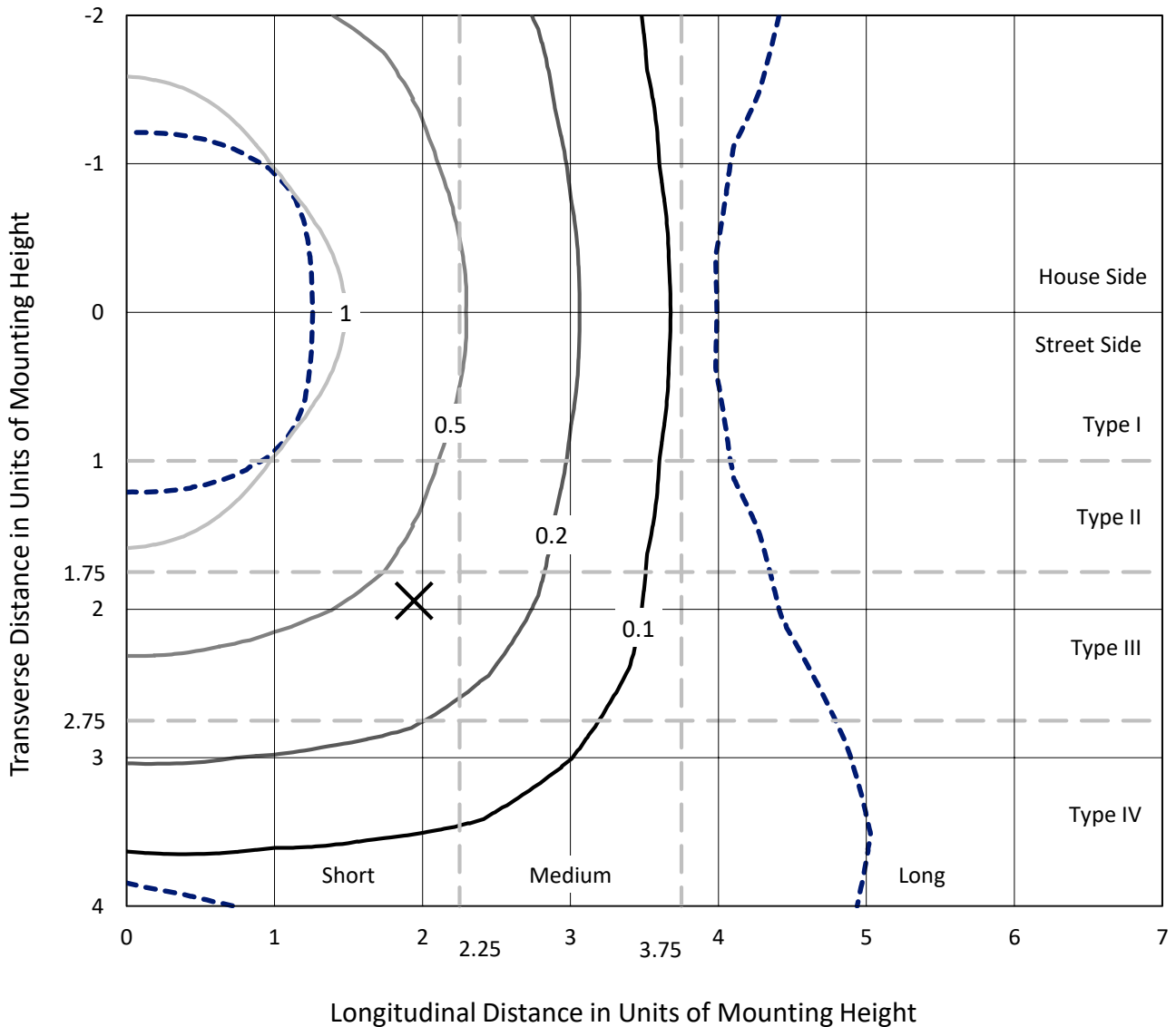
Input Watts (W): 113.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

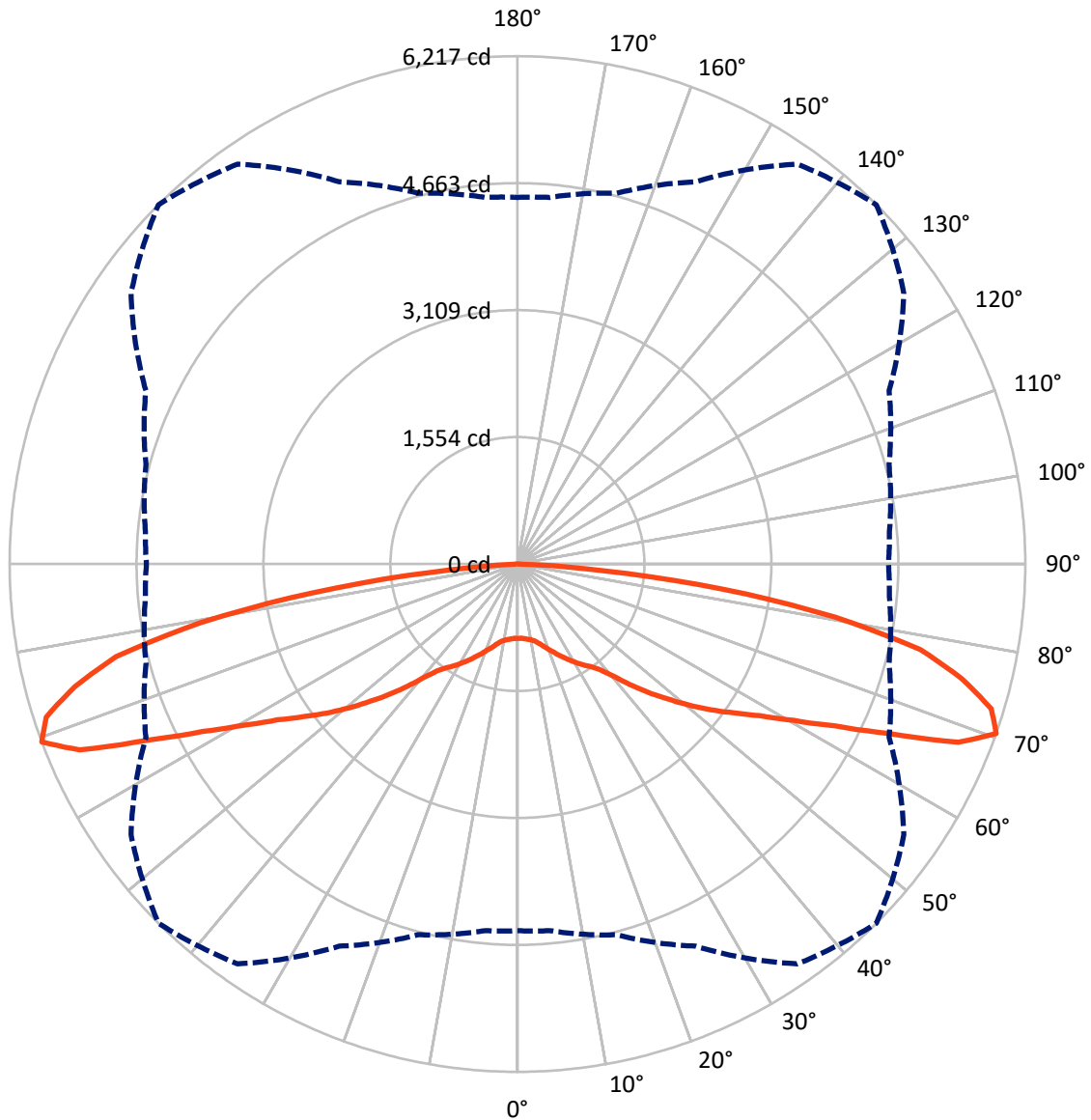
× Max cd
 - - - 1/2 Max cd



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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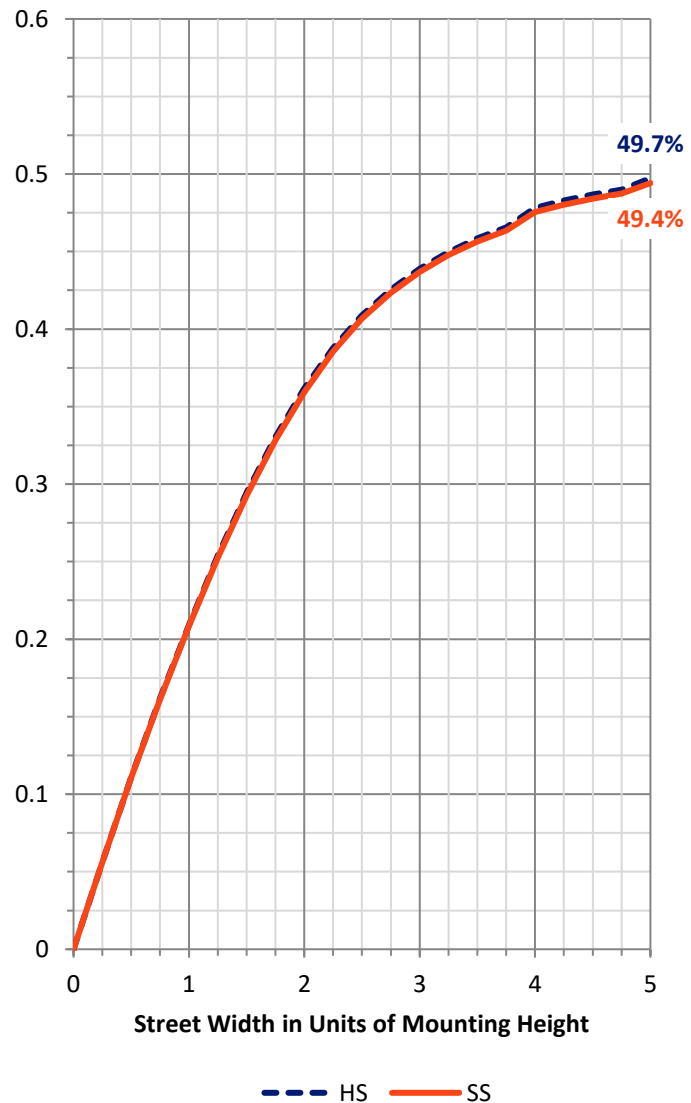
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8457.5	0.0	8457.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8457.5	0.0	8457.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16915.0	0.0	16915.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	0.5
10°-20°	290.6	1.7
20°-30°	571.8	3.4
30°-40°	979.1	5.8
40°-50°	1826.7	10.8
50°-60°	3084.4	18.2
60°-70°	4837.3	28.6
70°-80°	4366.7	25.8
80°-90°	869.6	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°	16915.0	100.0
0°-180°	16915.0	100.0



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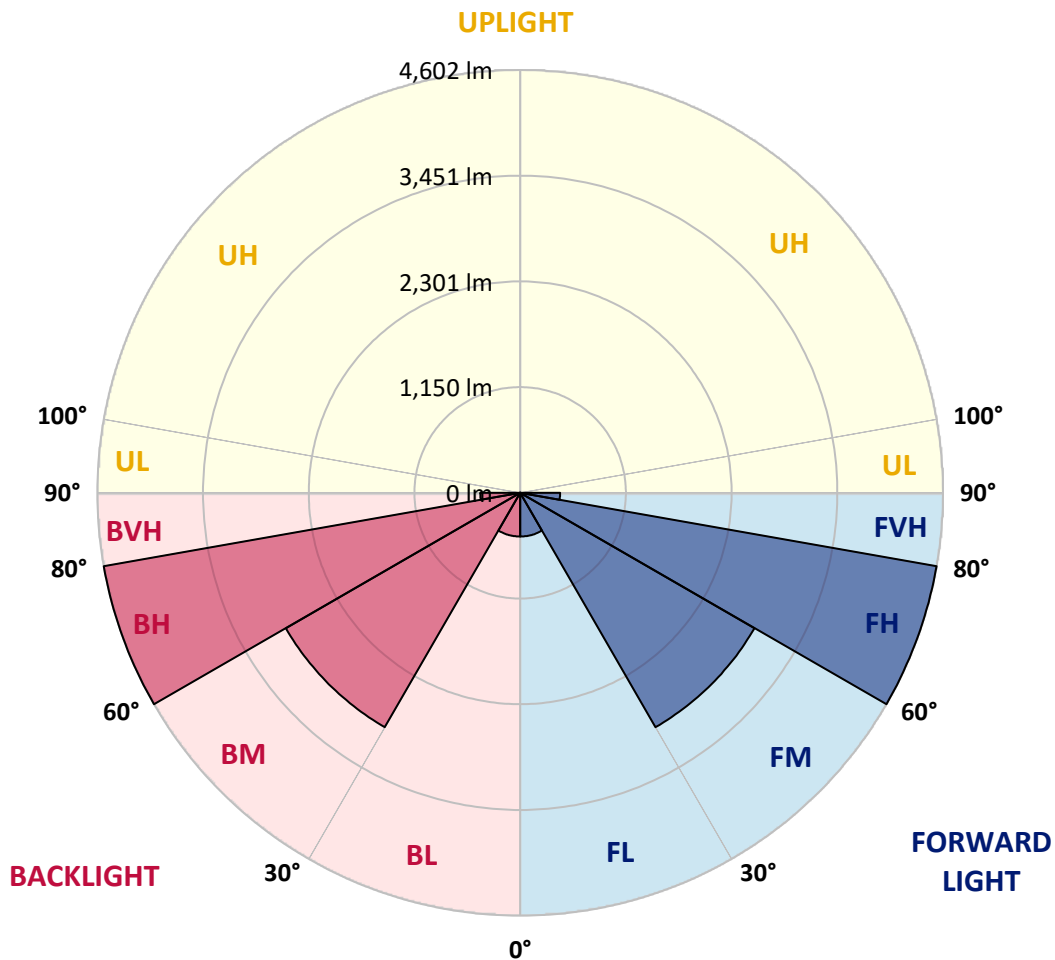
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	475.6	2.8			
FM	(30°-60°)	2945.1	17.4			
FH	(60°-80°)	4602.0	27.2			G2/5000
FVH	(80°-90°)	434.8	2.6			G3/500
BL	(0°-30°)	475.6	2.8	B1/500		
BM	(30°-60°)	2945.1	17.4	B3/5000		
BH	(60°-80°)	4602.0	27.2	B4/5000		G2/5000
BVH	(80°-90°)	434.8	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°	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0	911.0
2.5°	926.2	926.2	916.4	911.0	912.1	908.8	908.8	907.7	911.0	911.0	907.7
5°	931.7	936.0	926.2	918.6	920.8	918.6	917.5	918.6	924.0	926.2	921.9
7.5°	942.5	946.9	934.9	926.2	929.5	930.6	926.2	929.5	932.7	934.9	929.5
10°	959.9	961.0	953.4	941.4	946.9	944.7	943.6	941.4	942.5	943.6	942.5
12.5°	984.9	980.6	971.9	968.6	974.0	969.7	964.3	963.2	967.5	964.3	967.5
15°	1016.4	1013.2	1012.1	1008.8	1017.5	1012.1	1009.9	1006.7	1009.9	1003.4	1007.7
17.5°	1051.2	1055.6	1056.7	1059.9	1067.5	1066.5	1058.8	1056.7	1057.8	1051.2	1051.2
20°	1102.3	1104.5	1107.8	1108.8	1121.9	1119.7	1111.0	1103.4	1105.6	1094.7	1091.5
22.5°	1159.9	1159.9	1158.9	1167.6	1184.9	1184.9	1166.5	1157.8	1161.0	1153.4	1146.9
25°	1216.5	1216.5	1212.1	1224.1	1251.3	1250.2	1231.7	1215.4	1220.8	1216.5	1215.4
27.5°	1275.2	1275.2	1268.7	1273.0	1319.7	1323.0	1296.9	1281.7	1280.6	1285.0	1285.0
30°	1339.3	1336.1	1330.6	1325.2	1378.5	1394.8	1358.9	1346.9	1348.0	1354.5	1356.7
32.5°	1412.2	1415.4	1406.7	1396.9	1438.2	1470.9	1420.8	1426.3	1429.5	1439.3	1446.9
35°	1517.6	1517.6	1498.0	1486.1	1511.1	1540.4	1514.3	1526.3	1545.9	1560.0	1566.5
37.5°	1636.1	1641.5	1614.4	1588.3	1615.4	1638.3	1637.2	1667.6	1706.8	1754.6	1744.8
40°	1835.0	1836.1	1789.4	1749.2	1757.9	1797.0	1826.3	1882.9	1939.4	1994.8	1991.6
42.5°	2106.8	2090.5	2052.5	2001.4	1994.8	2013.3	2078.5	2137.3	2212.3	2252.5	2261.2
45°	2394.9	2391.6	2339.5	2257.9	2237.3	2238.4	2293.8	2377.5	2461.2	2503.6	2510.1
47.5°	2706.9	2705.8	2625.4	2543.8	2484.0	2462.3	2510.1	2593.8	2681.9	2734.1	2729.7
50°	3036.3	3023.2	2948.2	2841.7	2761.3	2710.2	2736.2	2825.4	2901.5	2952.6	2952.6
52.5°	3367.9	3353.7	3282.0	3158.0	3033.0	2963.5	2951.5	3034.1	3126.5	3182.0	3180.9
55°	3736.4	3708.1	3623.3	3490.7	3346.1	3216.7	3187.4	3252.6	3366.8	3433.1	3454.8
57.5°	4088.6	4070.1	3990.8	3844.0	3680.9	3501.6	3450.5	3530.9	3647.2	3720.1	3739.6
60°	4445.2	4418.0	4349.5	4240.8	4064.7	3885.3	3803.8	3851.6	3979.9	4061.4	4046.2
62.5°	4837.6	4827.8	4770.2	4669.1	4562.6	4363.6	4237.5	4286.5	4421.3	4487.6	4462.6
65°	5139.8	5154.0	5171.4	5183.3	5154.0	5001.8	4859.4	4917.0	4970.3	4976.8	4938.7
67.5°	4906.1	4969.2	5099.6	5380.1	5707.3	5822.5	5541.0	5157.2	4953.9	4905.0	4846.3
70°	4488.7	4505.0	4698.5	5161.6	5975.8	6217.2	5774.7	5019.2	4708.3	4571.3	4541.9
72.5°	3909.2	3997.3	4229.9	4850.7	5783.4	6066.1	5643.2	4720.2	4256.0	4076.7	4040.8
75°	3230.9	3347.2	3616.8	4328.9	5311.6	5622.5	5238.8	4173.4	3588.5	3403.7	3393.9
77.5°	2396.0	2444.9	2831.9	3563.5	4713.7	5042.0	4620.2	3448.3	2865.6	2571.0	2581.9
80°	1328.4	1386.1	1763.3	2455.8	3586.4	3941.8	3515.7	2484.0	1902.4	1668.7	1651.3
82.5°	584.9	629.4	887.1	1386.1	2227.5	2536.2	2105.7	1312.1	883.8	668.6	643.6
85°	175.0	193.5	305.5	555.5	1063.2	1050.1	671.8	301.1	120.7	66.3	63.1
87.5°	41.3	45.7	82.6	127.2	135.9	51.1	23.9	20.7	20.7	20.7	20.7
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)