

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: P509610

Luminaire Tested: **VERD-G-CA2-130-740-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509610
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-CA2-130-740-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1200mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19289 lumens
Efficiency: N/A
Efficacy: 144.1 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

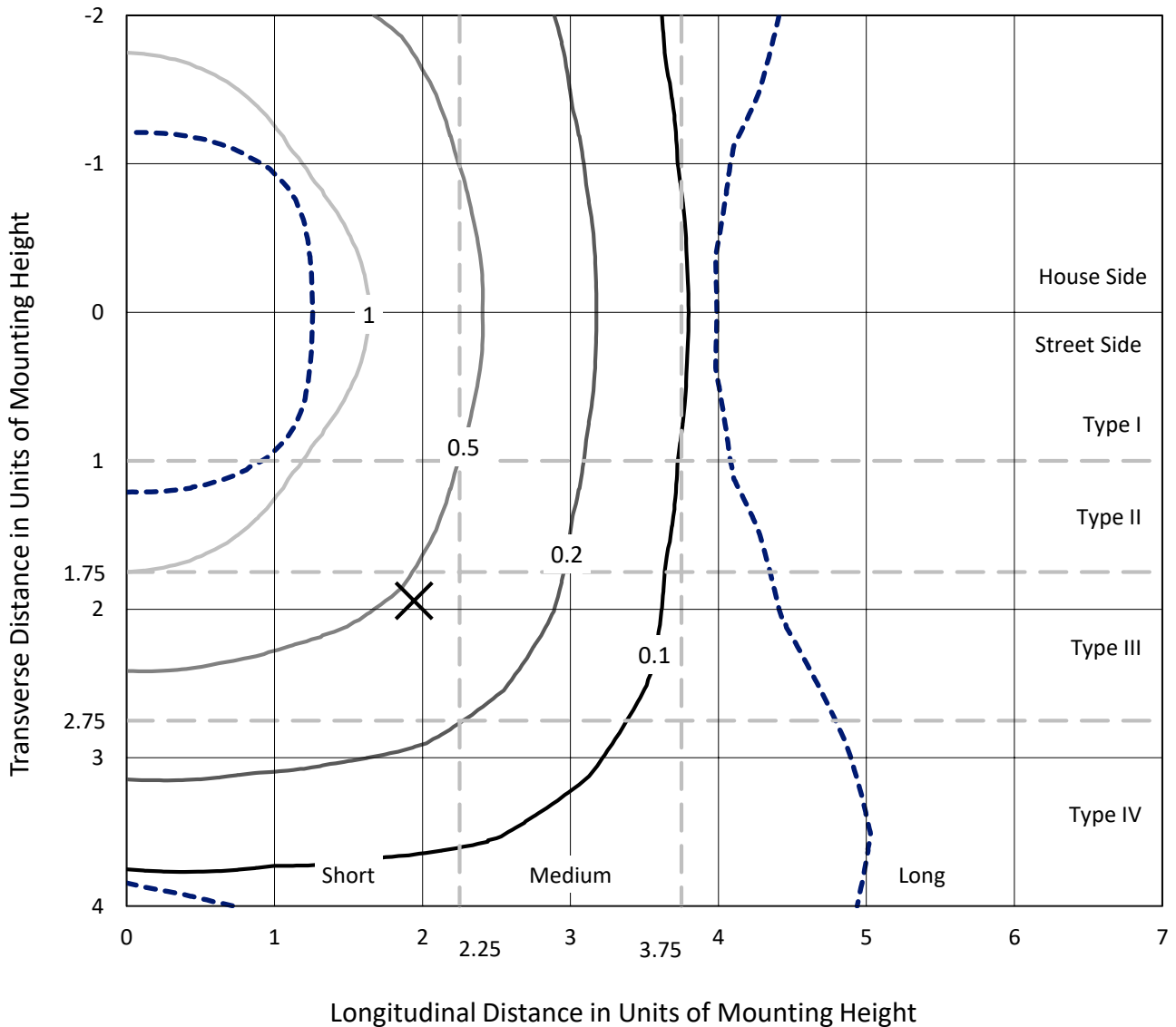
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

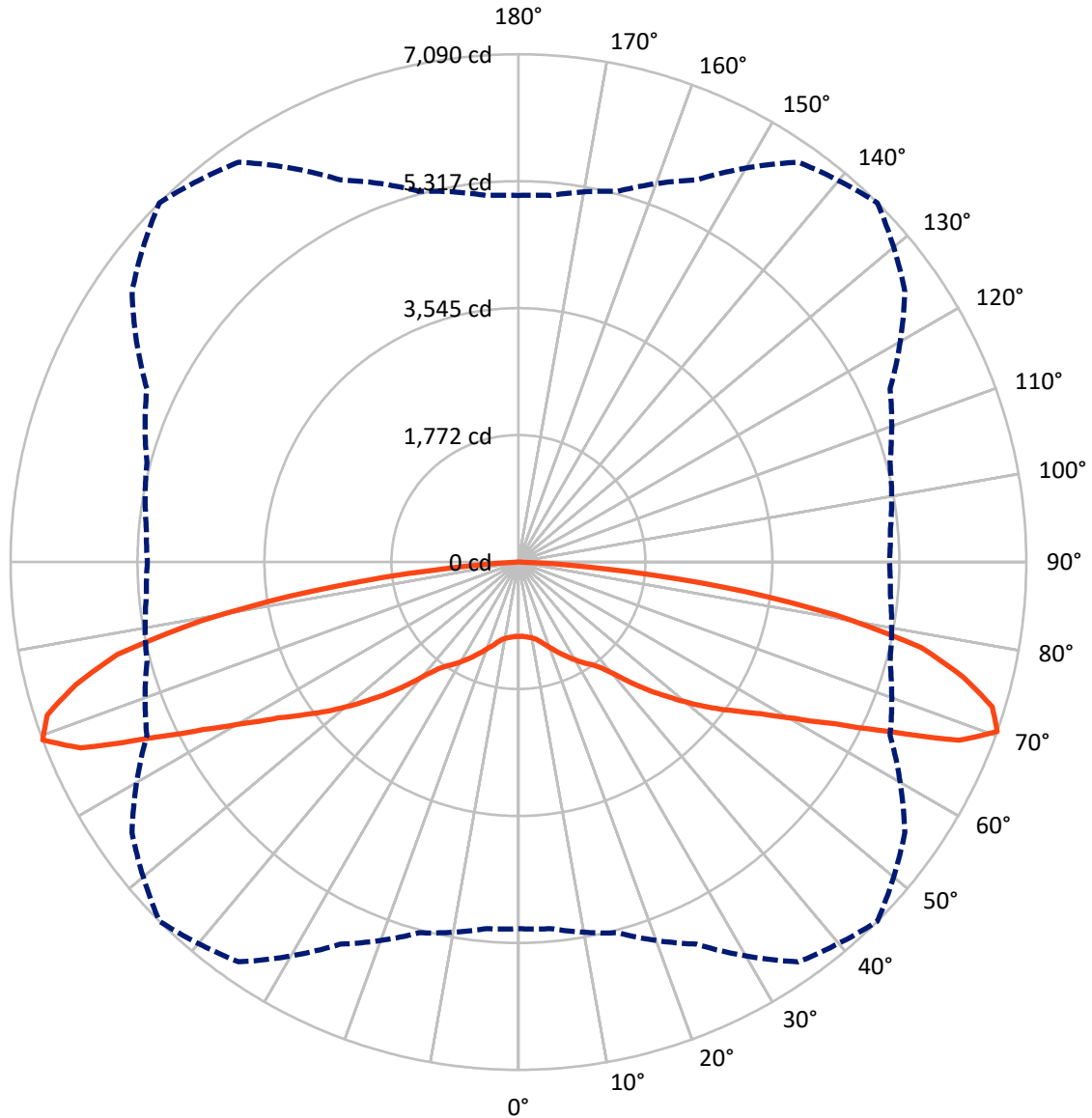
× Max cd
 - - - 1/2 Max cd



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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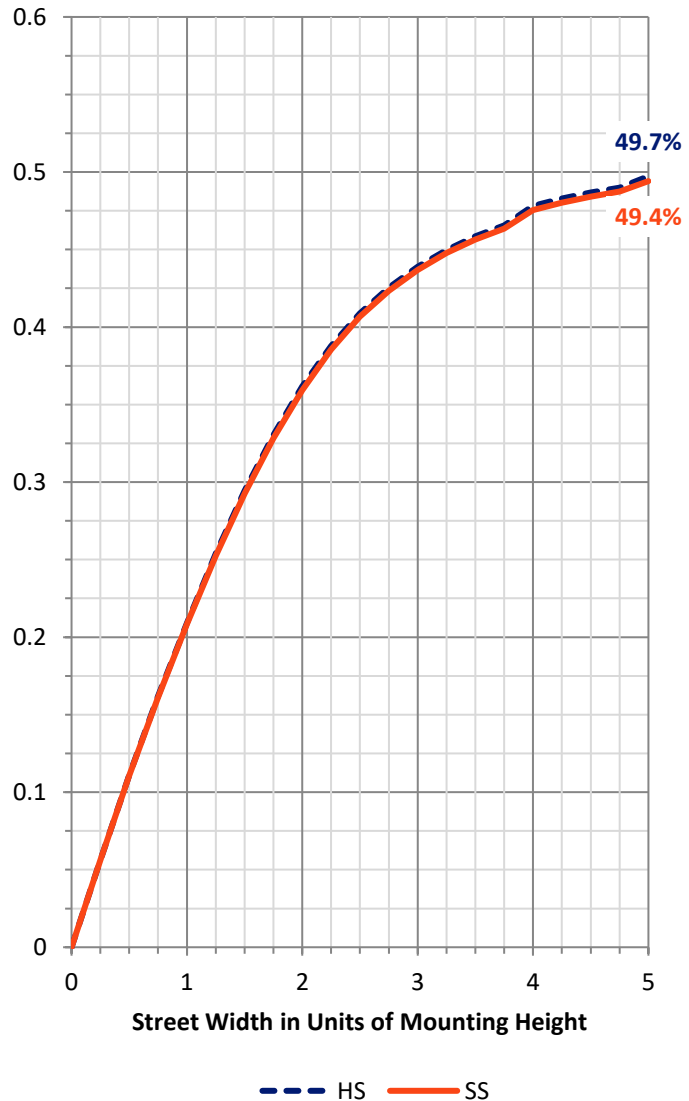
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9644.5	0.0	9644.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9644.5	0.0	9644.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19289.0	0.0	19289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	0.5
10°-20°	331.4	1.7
20°-30°	652.0	3.4
30°-40°	1116.6	5.8
40°-50°	2083.1	10.8
50°-60°	3517.3	18.2
60°-70°	5516.2	28.6
70°-80°	4979.6	25.8
80°-90°	991.7	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°	19289.0	100.0
0°-180°	19289.0	100.0

Coefficient of Utilization



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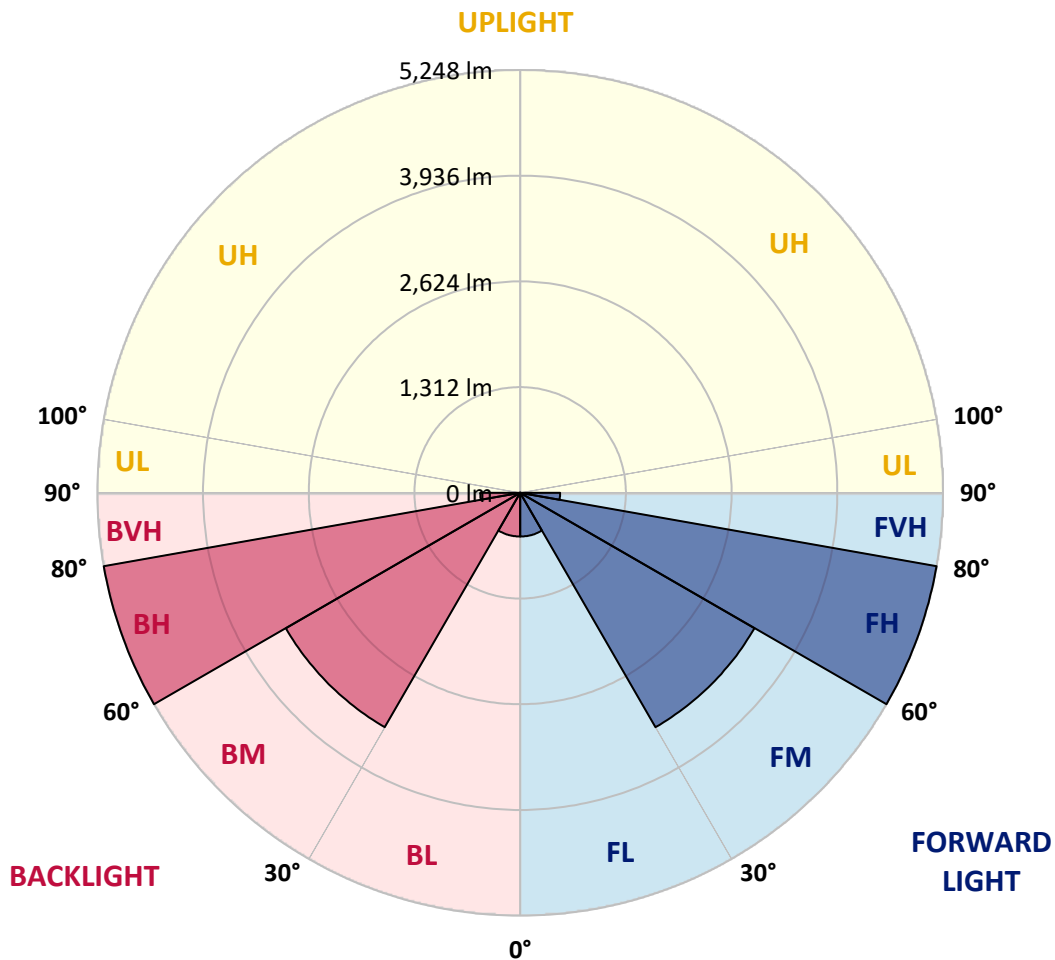
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	542.3	2.8			
FM	(30°-60°)	3358.5	17.4			
FH	(60°-80°)	5247.9	27.2			G3/7500
FVH	(80°-90°)	495.8	2.6			G3/500
BL	(0°-30°)	542.3	2.8	B2/1000		
BM	(30°-60°)	3358.5	17.4	B3/5000		
BH	(60°-80°)	5247.9	27.2	B5		G3/7500
BVH	(80°-90°)	495.8	2.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1038.9	1038.9	1038.9	1038.9	1038.9	1038.9	1038.9	1038.9	1038.9	1038.9	1038.9
2.5°	1056.2	1056.2	1045.1	1038.9	1040.1	1036.4	1036.4	1035.1	1038.9	1038.9	1035.1
5°	1062.4	1067.4	1056.2	1047.5	1050.0	1047.5	1046.3	1047.5	1053.7	1056.2	1051.2
7.5°	1074.8	1079.8	1066.1	1056.2	1059.9	1061.2	1056.2	1059.9	1063.6	1066.1	1059.9
10°	1094.6	1095.9	1087.2	1073.6	1079.8	1077.3	1076.0	1073.6	1074.8	1076.0	1074.8
12.5°	1123.2	1118.2	1108.3	1104.6	1110.8	1105.8	1099.6	1098.4	1103.3	1099.6	1103.3
15°	1159.1	1155.4	1154.1	1150.4	1160.3	1154.1	1151.7	1147.9	1151.7	1144.2	1149.2
17.5°	1198.8	1203.7	1205.0	1208.7	1217.4	1216.1	1207.4	1205.0	1206.2	1198.8	1198.8
20°	1257.0	1259.5	1263.2	1264.5	1279.4	1276.9	1267.0	1258.3	1260.8	1248.4	1244.6
22.5°	1322.7	1322.7	1321.5	1331.4	1351.3	1351.3	1330.2	1320.3	1324.0	1315.3	1307.9
25°	1387.2	1387.2	1382.2	1395.9	1426.9	1425.6	1404.6	1386.0	1392.2	1387.2	1386.0
27.5°	1454.1	1454.1	1446.7	1451.7	1505.0	1508.7	1478.9	1461.6	1460.3	1465.3	1465.3
30°	1527.3	1523.6	1517.4	1511.2	1571.9	1590.5	1549.6	1536.0	1537.2	1544.6	1547.1
32.5°	1610.3	1614.1	1604.1	1593.0	1640.1	1677.3	1620.3	1626.5	1630.2	1641.3	1650.0
35°	1730.6	1730.6	1708.3	1694.6	1723.2	1756.6	1726.9	1740.5	1762.8	1778.9	1786.4
37.5°	1865.7	1871.9	1840.9	1811.2	1842.2	1868.2	1867.0	1901.7	1946.3	2000.8	1989.7
40°	2092.6	2093.8	2040.5	1994.6	2004.6	2049.2	2082.7	2147.1	2211.6	2274.8	2271.1
42.5°	2402.5	2383.9	2340.5	2282.3	2274.8	2295.9	2370.3	2437.2	2522.8	2568.6	2578.5
45°	2731.0	2727.3	2667.8	2574.8	2551.3	2552.5	2615.7	2711.2	2806.6	2855.0	2862.4
47.5°	3086.8	3085.6	2993.8	2900.9	2832.7	2807.9	2862.4	2957.9	3058.3	3117.8	3112.8
50°	3462.4	3447.6	3362.0	3240.5	3148.8	3090.5	3120.3	3221.9	3308.7	3367.0	3367.0
52.5°	3840.5	3824.4	3742.6	3601.3	3458.7	3379.4	3365.7	3459.9	3565.3	3628.5	3627.3
55°	4260.8	4228.6	4131.9	3980.6	3815.7	3668.2	3634.7	3709.1	3839.3	3914.9	3939.7
57.5°	4662.4	4641.4	4550.9	4383.5	4197.6	3993.0	3934.7	4026.5	4159.1	4242.2	4264.5
60°	5069.1	5038.1	4960.0	4836.0	4635.2	4430.6	4337.6	4392.2	4538.5	4631.4	4614.1
62.5°	5516.6	5505.4	5439.7	5324.4	5202.9	4976.1	4832.3	4888.1	5041.8	5117.4	5088.9
65°	5861.2	5877.3	5897.2	5910.8	5877.3	5703.8	5541.4	5607.1	5667.8	5675.3	5631.9
67.5°	5594.7	5666.6	5815.3	6135.2	6508.3	6639.7	6318.7	5881.0	5649.2	5593.4	5526.5
70°	5118.6	5137.2	5357.9	5886.0	6814.5	7089.7	6585.2	5723.6	5369.1	5212.9	5179.4
72.5°	4457.9	4558.3	4823.6	5531.5	6595.1	6917.4	6435.2	5382.7	4853.4	4648.8	4607.9
75°	3684.3	3817.0	4124.4	4936.4	6057.1	6411.6	5974.0	4759.1	4092.2	3881.4	3870.3
77.5°	2732.3	2788.0	3229.4	4063.7	5375.3	5749.6	5268.6	3932.3	3267.8	2931.8	2944.2
80°	1514.9	1580.6	2010.8	2800.4	4089.7	4495.1	4009.1	2832.7	2169.4	1902.9	1883.1
82.5°	666.9	717.8	1011.6	1580.6	2540.1	2892.2	2401.3	1496.3	1007.9	762.4	733.9
85°	199.6	220.7	348.4	633.5	1212.4	1197.5	766.1	343.4	137.6	75.6	71.9
87.5°	47.1	52.1	94.2	145.0	155.0	58.3	27.3	23.6	23.6	23.6	23.6
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)