

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: P509626

Luminaire Tested: **VERD-G-CA2-130-760-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509626
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-CA2-130-760-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1200mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19227 lumens
Efficiency: N/A
Efficacy: 143.6 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

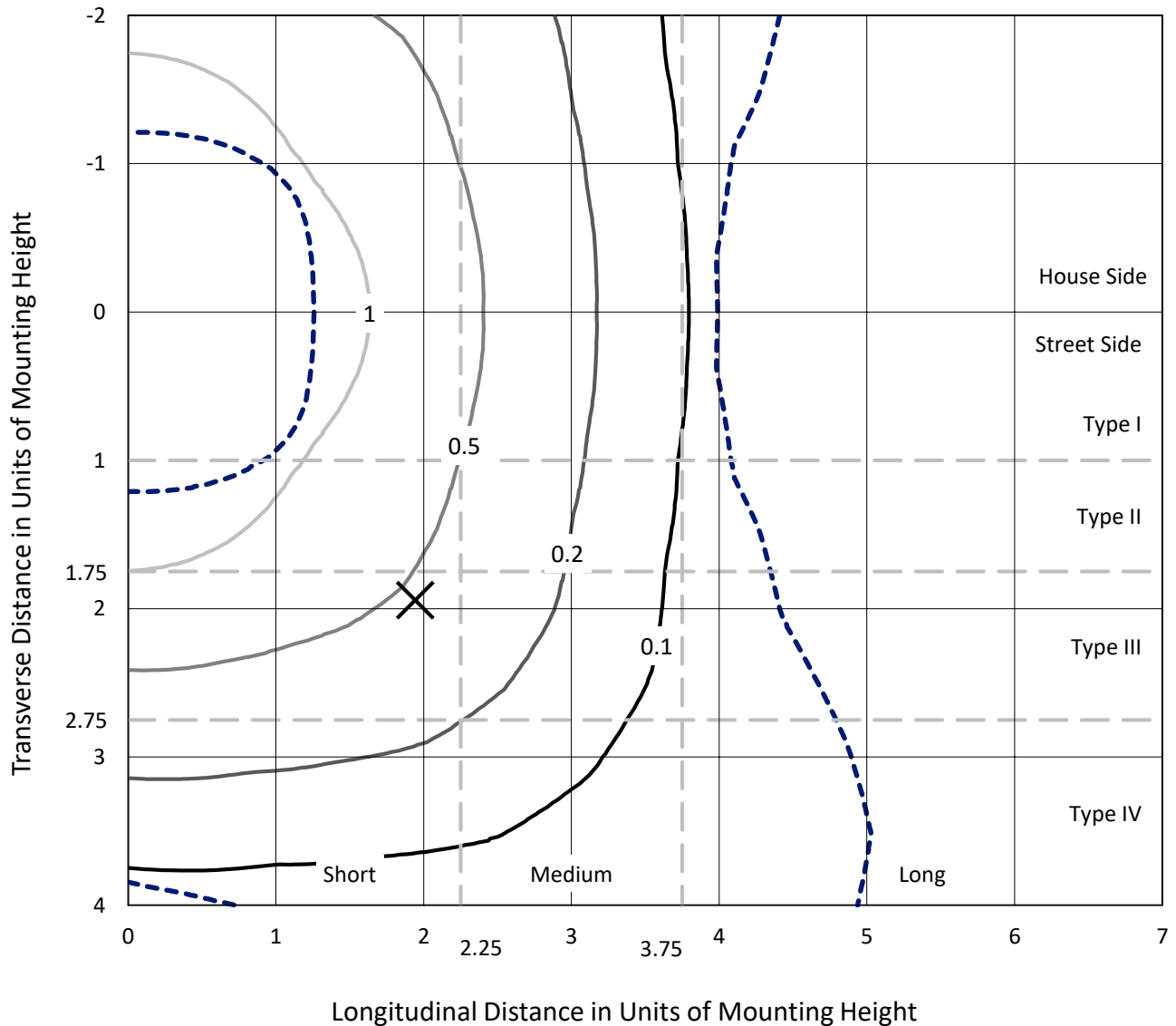
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

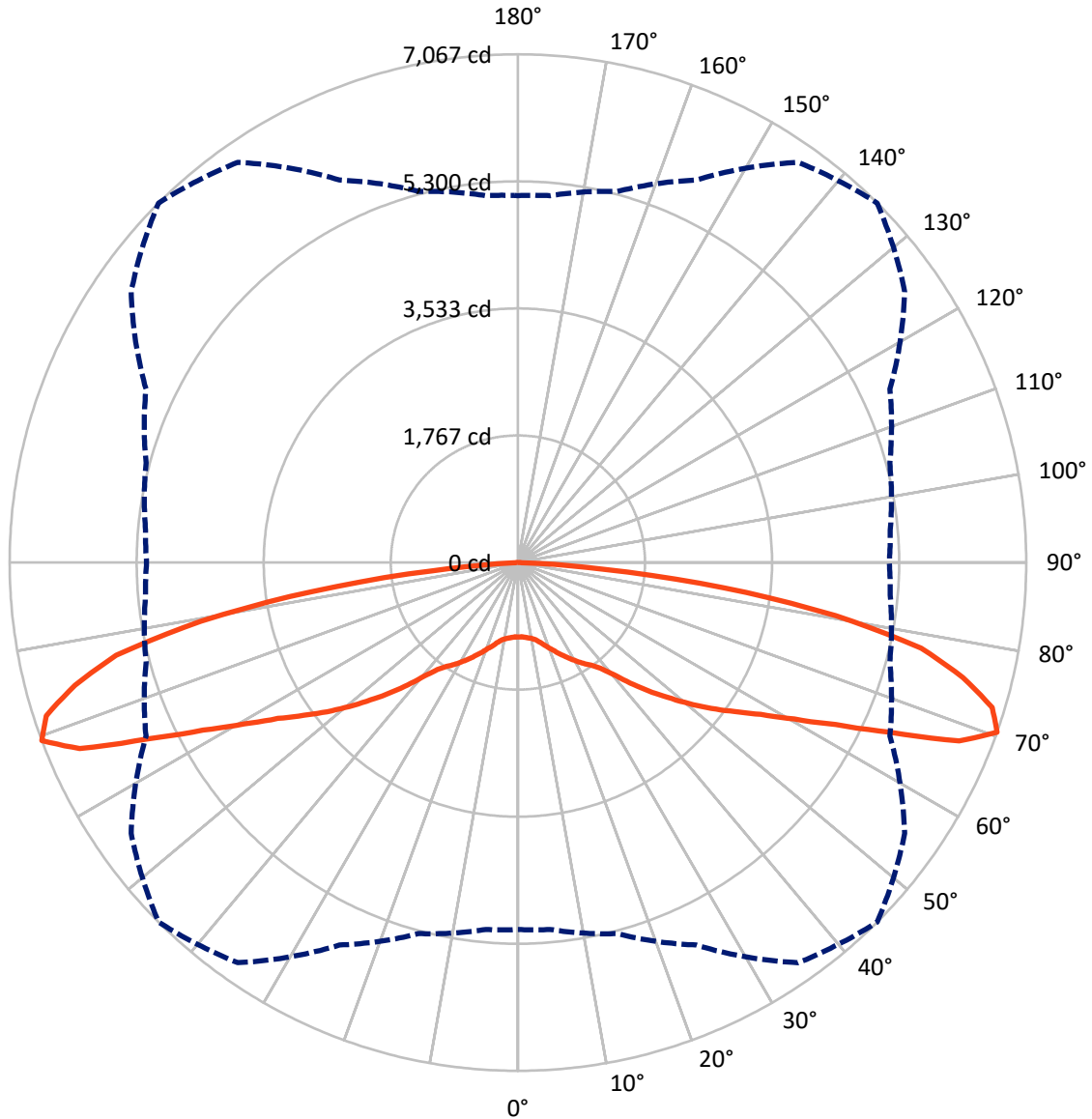
✕ Max cd
 - - - 1/2 Max cd



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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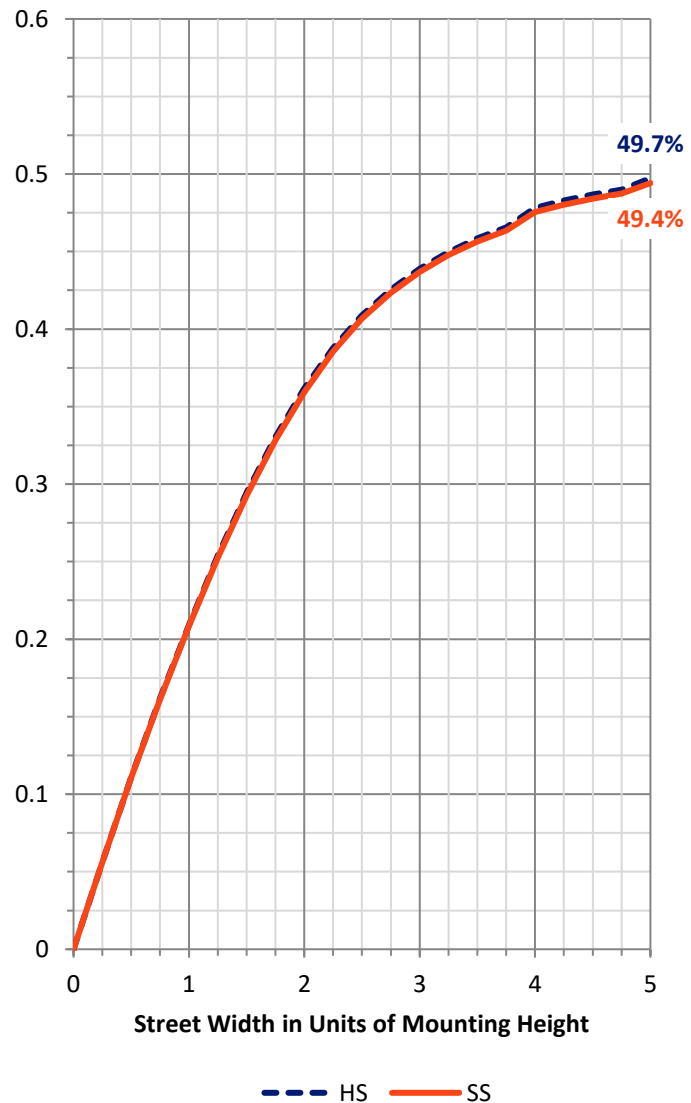
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9613.5	0.0	9613.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9613.5	0.0	9613.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19227.0	0.0	19227.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	0.5
10°-20°	330.3	1.7
20°-30°	649.9	3.4
30°-40°	1113.0	5.8
40°-50°	2076.4	10.8
50°-60°	3506.0	18.2
60°-70°	5498.5	28.6
70°-80°	4963.6	25.8
80°-90°	988.5	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°	19227.0	100.0
0°-180°	19227.0	100.0



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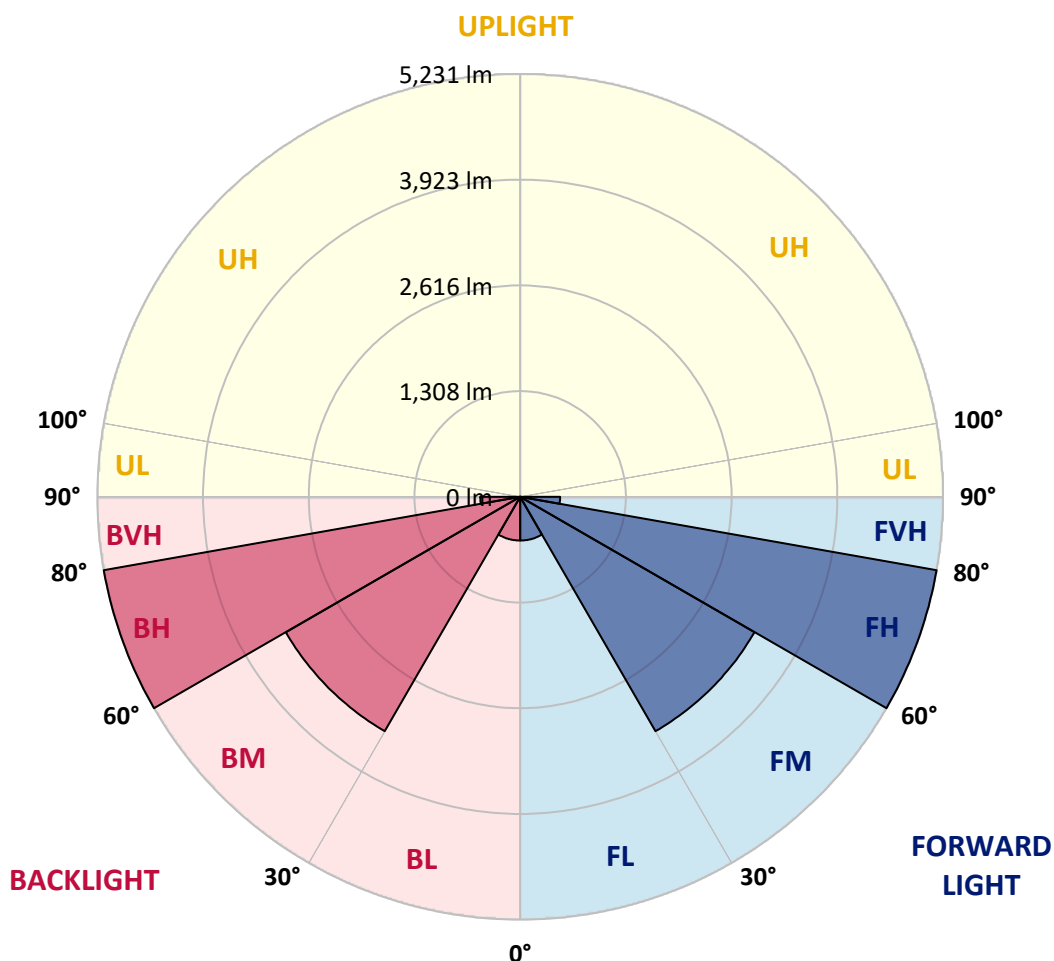
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	540.6	2.8			
FM	(30°-60°)	3347.7	17.4			
FH	(60°-80°)	5231.0	27.2			G3/7500
FVH	(80°-90°)	494.2	2.6			G3/500
BL	(0°-30°)	540.6	2.8	B2/1000		
BM	(30°-60°)	3347.7	17.4	B3/5000		
BH	(60°-80°)	5231.0	27.2	B5		G3/7500
BVH	(80°-90°)	494.2	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°	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5
2.5°	1052.8	1052.8	1041.7	1035.5	1036.7	1033.0	1033.0	1031.8	1035.5	1035.5	1031.8
5°	1059.0	1063.9	1052.8	1044.2	1046.6	1044.2	1042.9	1044.2	1050.3	1052.8	1047.9
7.5°	1071.3	1076.3	1062.7	1052.8	1056.5	1057.8	1052.8	1056.5	1060.2	1062.7	1056.5
10°	1091.1	1092.4	1083.7	1070.1	1076.3	1073.8	1072.6	1070.1	1071.3	1072.6	1071.3
12.5°	1119.5	1114.6	1104.7	1101.0	1107.2	1102.2	1096.1	1094.8	1099.8	1096.1	1099.8
15°	1155.4	1151.7	1150.4	1146.7	1156.6	1150.4	1148.0	1144.3	1148.0	1140.5	1145.5
17.5°	1194.9	1199.9	1201.1	1204.8	1213.5	1212.2	1203.6	1201.1	1202.3	1194.9	1194.9
20°	1253.0	1255.5	1259.2	1260.4	1275.2	1272.8	1262.9	1254.2	1256.7	1244.3	1240.6
22.5°	1318.5	1318.5	1317.3	1327.1	1346.9	1346.9	1325.9	1316.0	1319.7	1311.1	1303.7
25°	1382.7	1382.7	1377.8	1391.4	1422.3	1421.1	1400.0	1381.5	1387.7	1382.7	1381.5
27.5°	1449.5	1449.5	1442.1	1447.0	1500.1	1503.8	1474.2	1456.9	1455.7	1460.6	1460.6
30°	1522.4	1518.7	1512.5	1506.3	1566.9	1585.4	1544.6	1531.0	1532.3	1539.7	1542.1
32.5°	1605.2	1608.9	1599.0	1587.9	1634.8	1671.9	1615.1	1621.2	1624.9	1636.1	1644.7
35°	1725.0	1725.0	1702.8	1689.2	1717.6	1751.0	1721.3	1734.9	1757.2	1773.2	1780.6
37.5°	1859.7	1865.9	1835.0	1805.4	1836.2	1862.2	1861.0	1895.6	1940.0	1994.4	1983.3
40°	2085.9	2087.1	2034.0	1988.2	1998.1	2042.6	2076.0	2140.2	2204.5	2267.5	2263.8
42.5°	2394.8	2376.2	2333.0	2274.9	2267.5	2288.5	2362.7	2429.4	2514.6	2560.4	2570.2
45°	2722.2	2718.5	2659.2	2566.5	2543.1	2544.3	2607.3	2702.5	2797.6	2845.8	2853.2
47.5°	3076.9	3075.6	2984.2	2891.5	2823.6	2798.9	2853.2	2948.4	3048.5	3107.8	3102.8
50°	3451.3	3436.5	3351.2	3230.1	3138.7	3080.6	3110.2	3211.6	3298.1	3356.2	3356.2
52.5°	3828.2	3812.1	3730.6	3589.7	3447.6	3368.5	3354.9	3448.8	3553.9	3616.9	3615.6
55°	4247.1	4215.0	4118.6	3967.8	3803.5	3656.4	3623.1	3697.2	3827.0	3902.3	3927.0
57.5°	4647.5	4626.4	4536.2	4369.4	4184.1	3980.2	3922.1	4013.5	4145.8	4228.6	4250.8
60°	5052.8	5021.9	4944.0	4820.5	4620.3	4416.4	4323.7	4378.1	4523.9	4616.6	4599.3
62.5°	5498.8	5487.7	5422.2	5307.3	5186.2	4960.1	4816.7	4872.4	5025.6	5101.0	5072.5
65°	5842.4	5858.4	5878.2	5891.8	5858.4	5685.4	5523.6	5589.1	5649.6	5657.0	5613.8
67.5°	5576.7	5648.4	5796.7	6115.5	6487.4	6618.4	6298.3	5862.1	5631.1	5575.5	5508.7
70°	5102.2	5120.7	5340.7	5867.1	6792.6	7066.9	6564.0	5705.2	5351.8	5196.1	5162.7
72.5°	4443.6	4543.7	4808.1	5513.7	6573.9	6895.2	6414.5	5365.4	4837.8	4633.9	4593.1
75°	3672.5	3804.7	4111.2	4920.5	6037.6	6391.0	5954.8	4743.8	4079.0	3869.0	3857.8
77.5°	2723.5	2779.1	3219.0	4050.6	5358.0	5731.2	5251.7	3919.6	3257.3	2922.4	2934.8
80°	1510.0	1575.5	2004.3	2791.4	4076.6	4480.6	3996.2	2823.6	2162.5	1896.8	1877.0
82.5°	664.8	715.5	1008.3	1575.5	2531.9	2882.9	2393.5	1491.5	1004.6	760.0	731.5
85°	198.9	220.0	347.2	631.4	1208.5	1193.7	763.7	342.3	137.2	75.4	71.7
87.5°	47.0	51.9	93.9	144.6	154.5	58.1	27.2	23.5	23.5	23.5	23.5
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)