

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: P553526

Luminaire Tested: **VERD-G-CA2-140-740-U-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-140-740-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1290mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21116 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

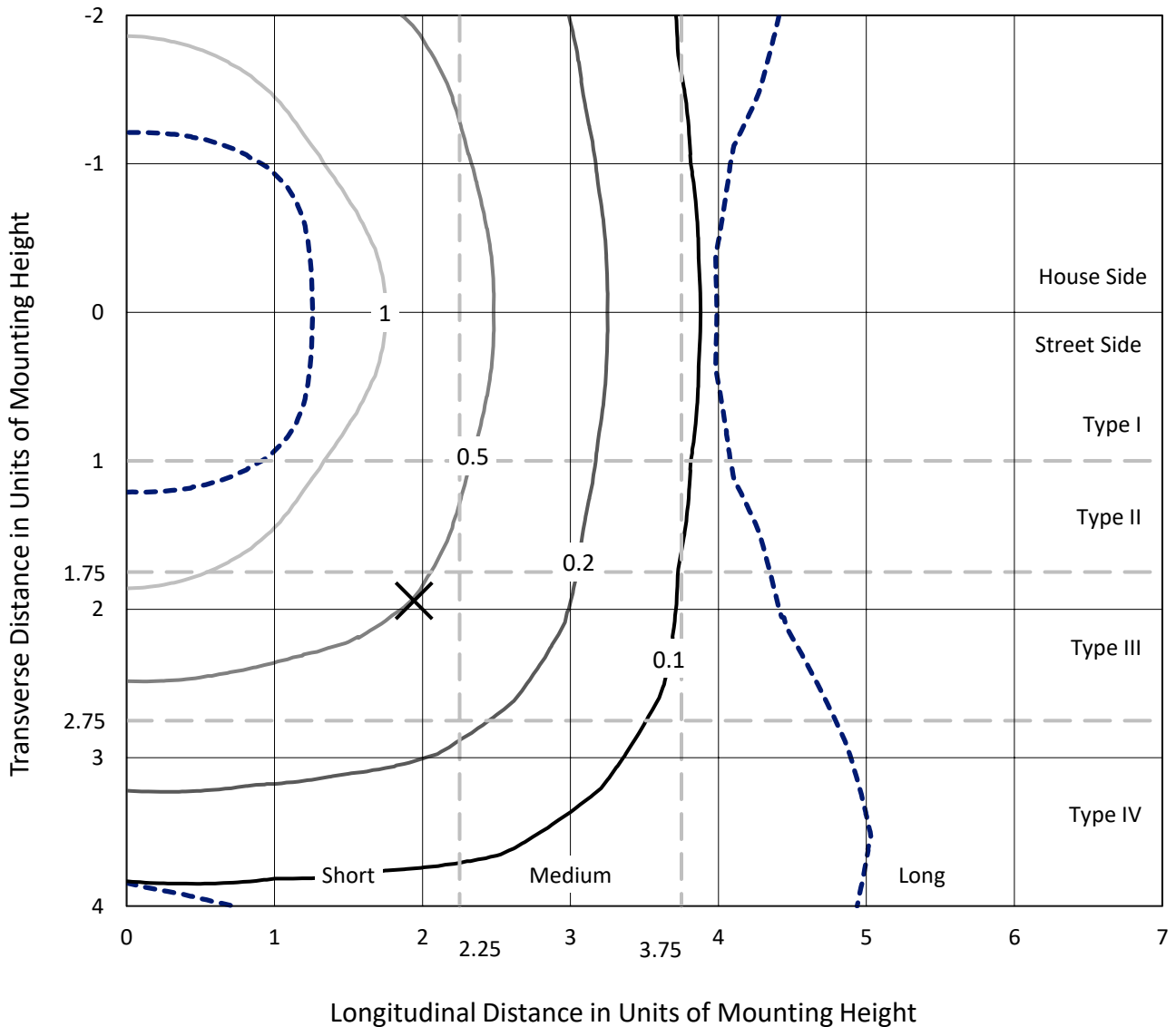
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

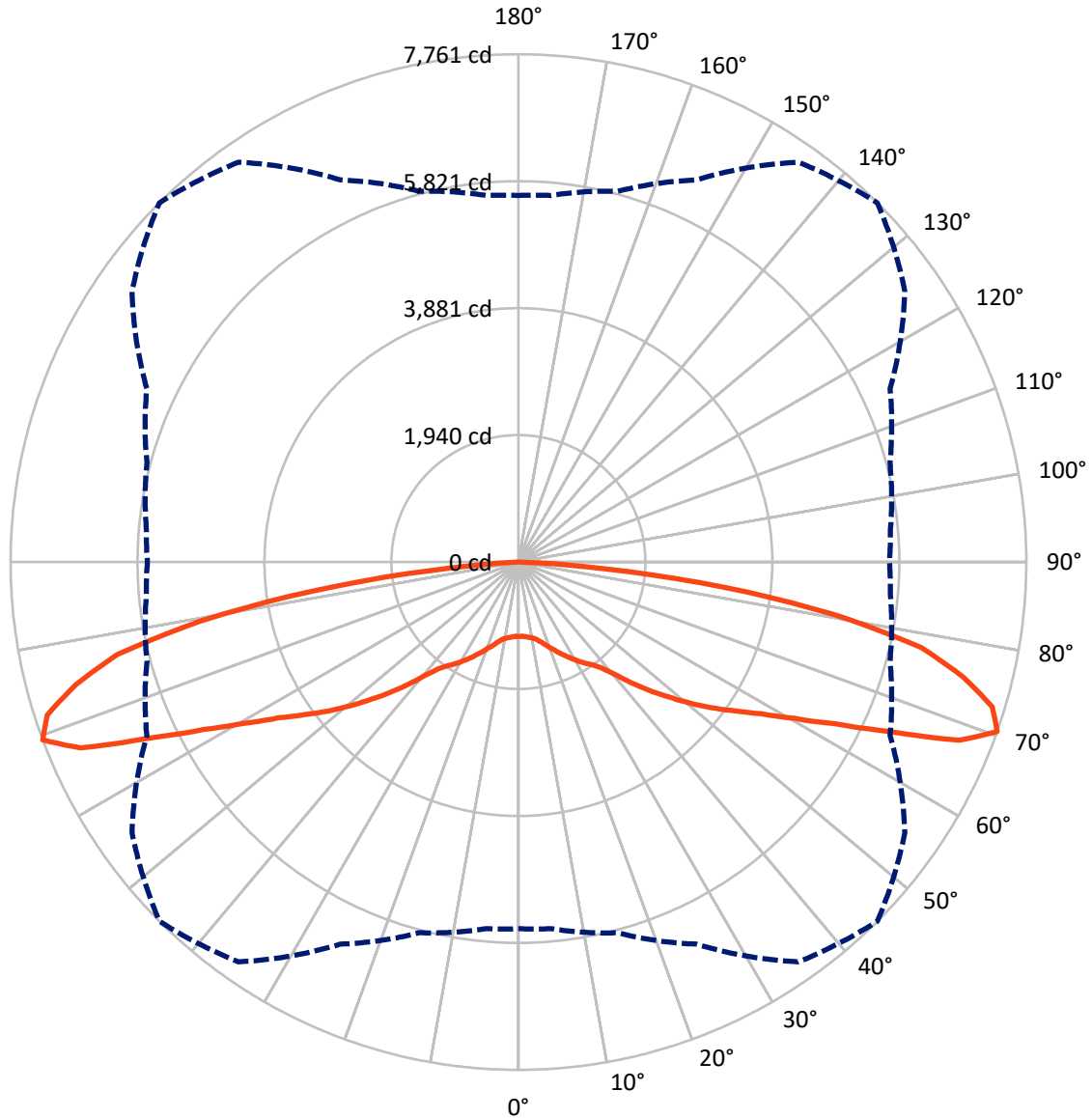
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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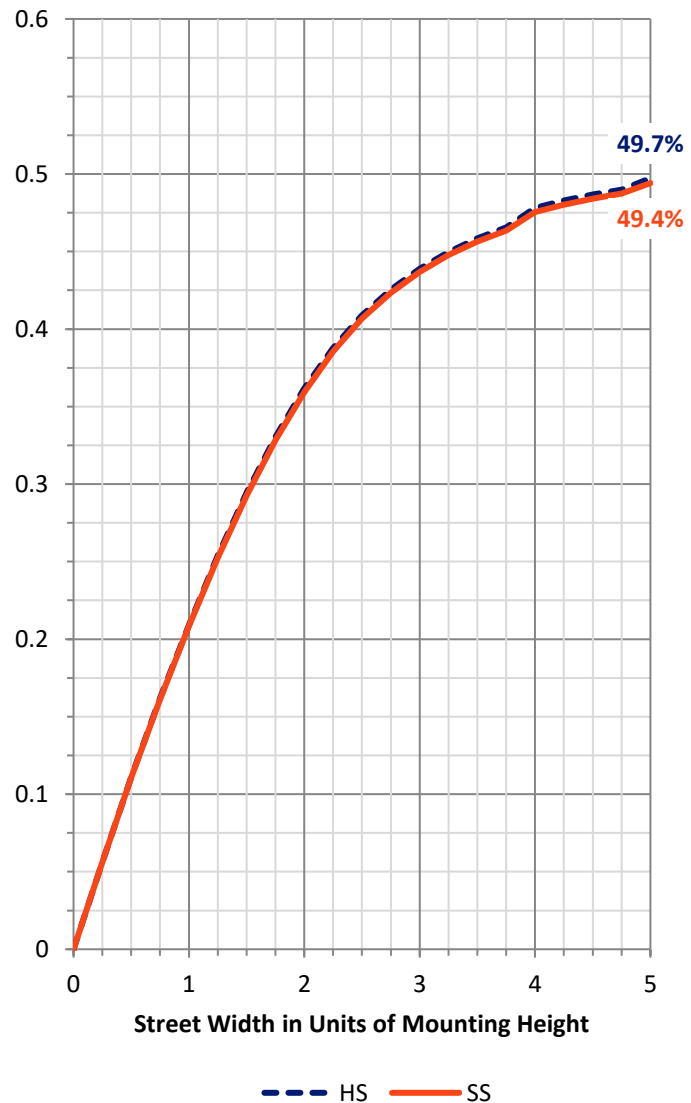
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10558.0	0.0	10558.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10558.0	0.0	10558.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21116.0	0.0	21116.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	0.5
10°-20°	362.8	1.7
20°-30°	713.8	3.4
30°-40°	1222.3	5.8
40°-50°	2280.4	10.8
50°-60°	3850.4	18.2
60°-70°	6038.7	28.6
70°-80°	5451.2	25.8
80°-90°	1085.6	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°	21116.0	100.0
0°-180°	21116.0	100.0



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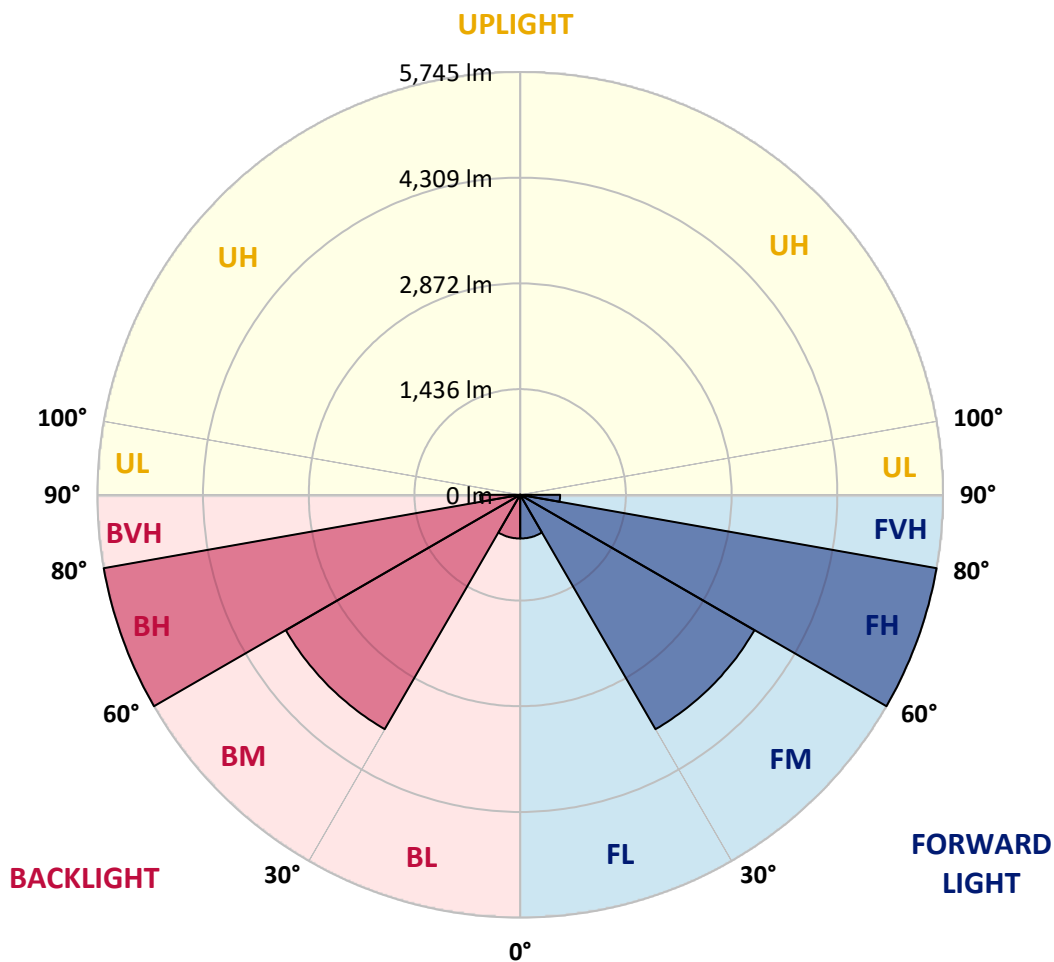
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	593.7	2.8			
FM	(30°-60°)	3676.6	17.4			
FH	(60°-80°)	5744.9	27.2			G3/7500
FVH	(80°-90°)	542.8	2.6			G4/750
BL	(0°-30°)	593.7	2.8	B2/1000		
BM	(30°-60°)	3676.6	17.4	B3/5000		
BH	(60°-80°)	5744.9	27.2	B5		G3/7500
BVH	(80°-90°)	542.8	2.6			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2
2.5°	1156.2	1156.2	1144.0	1137.2	1138.6	1134.5	1134.5	1133.2	1137.2	1137.2	1133.2
5°	1163.0	1168.5	1156.2	1146.7	1149.5	1146.7	1145.4	1146.7	1153.5	1156.2	1150.8
7.5°	1176.6	1182.0	1167.1	1156.2	1160.3	1161.7	1156.2	1160.3	1164.4	1167.1	1160.3
10°	1198.3	1199.7	1190.2	1175.2	1182.0	1179.3	1178.0	1175.2	1176.6	1178.0	1176.6
12.5°	1229.5	1224.1	1213.2	1209.2	1216.0	1210.5	1203.7	1202.4	1207.8	1203.7	1207.8
15°	1268.9	1264.8	1263.5	1259.4	1270.2	1263.5	1260.7	1256.7	1260.7	1252.6	1258.0
17.5°	1312.3	1317.7	1319.1	1323.2	1332.7	1331.3	1321.8	1319.1	1320.5	1312.3	1312.3
20°	1376.1	1378.8	1382.9	1384.2	1400.5	1397.8	1387.0	1377.5	1380.2	1366.6	1362.5
22.5°	1448.0	1448.0	1446.7	1457.5	1479.2	1479.2	1456.2	1445.3	1449.4	1439.9	1431.7
25°	1518.6	1518.6	1513.2	1528.1	1562.0	1560.7	1537.6	1517.2	1524.0	1518.6	1517.2
27.5°	1591.9	1591.9	1583.7	1589.2	1647.5	1651.6	1619.0	1600.0	1598.7	1604.1	1604.1
30°	1671.9	1667.9	1661.1	1654.3	1720.8	1741.2	1696.4	1681.4	1682.8	1690.9	1693.7
32.5°	1762.9	1766.9	1756.1	1743.9	1795.4	1836.2	1773.7	1780.5	1784.6	1796.8	1806.3
35°	1894.5	1894.5	1870.1	1855.2	1886.4	1923.0	1890.4	1905.4	1929.8	1947.4	1955.6
37.5°	2042.4	2049.2	2015.3	1982.7	2016.7	2045.2	2043.8	2081.8	2130.6	2190.4	2178.1
40°	2290.8	2292.1	2233.8	2183.6	2194.4	2243.3	2279.9	2350.5	2421.1	2490.3	2486.2
42.5°	2630.1	2609.7	2562.2	2498.4	2490.3	2513.3	2594.8	2668.1	2761.7	2811.9	2822.8
45°	2989.7	2985.6	2920.5	2818.7	2792.9	2794.3	2863.5	2968.0	3072.5	3125.4	3133.5
47.5°	3379.2	3377.8	3277.4	3175.6	3101.0	3073.8	3133.5	3238.0	3348.0	3413.1	3407.7
50°	3790.4	3774.1	3680.5	3547.5	3447.0	3383.3	3415.8	3527.1	3622.1	3685.9	3685.9
52.5°	4204.3	4186.7	4097.1	3942.4	3786.3	3699.5	3684.5	3787.7	3903.0	3972.2	3970.9
55°	4664.4	4629.1	4523.2	4357.6	4177.2	4015.7	3979.0	4060.4	4202.9	4285.7	4312.9
57.5°	5104.1	5081.0	4981.9	4798.7	4595.1	4371.2	4307.4	4407.9	4553.1	4644.0	4668.4
60°	5549.2	5515.3	5429.8	5294.0	5074.2	4850.3	4748.5	4808.2	4968.3	5070.1	5051.1
62.5°	6039.1	6026.9	5955.0	5828.7	5695.7	5447.4	5290.0	5351.0	5519.3	5602.1	5570.9
65°	6416.4	6434.0	6455.7	6470.7	6434.0	6244.0	6066.2	6138.2	6204.7	6212.8	6165.3
67.5°	6124.6	6203.3	6366.2	6716.3	7124.8	7268.6	6917.1	6438.1	6184.3	6123.2	6050.0
70°	5603.5	5623.8	5865.4	6443.5	7460.0	7761.3	7208.9	6265.7	5877.6	5706.6	5670.0
72.5°	4880.1	4990.1	5280.5	6055.4	7219.8	7572.6	7044.7	5892.5	5313.0	5089.1	5044.3
75°	4033.3	4178.5	4515.1	5404.0	6630.8	7018.9	6539.9	5209.9	4479.8	4249.1	4236.9
77.5°	2991.0	3052.1	3535.2	4448.6	5884.4	6294.2	5767.7	4304.7	3577.3	3209.5	3223.1
80°	1658.4	1730.3	2201.2	3065.7	4477.1	4920.8	4388.9	3101.0	2374.9	2083.1	2061.4
82.5°	730.1	785.8	1107.4	1730.3	2780.7	3166.1	2628.7	1638.0	1103.3	834.6	803.4
85°	218.5	241.6	381.3	693.5	1327.2	1311.0	838.7	375.9	150.6	82.8	78.7
87.5°	51.6	57.0	103.1	158.8	169.6	63.8	29.9	25.8	25.8	25.8	25.8
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)