

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: P553622

Luminaire Tested: **VERD-G-CA2-160-740-U-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553622
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-CA2-160-740-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1460mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23414 lumens
Efficiency: N/A
Efficacy: 144.0 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

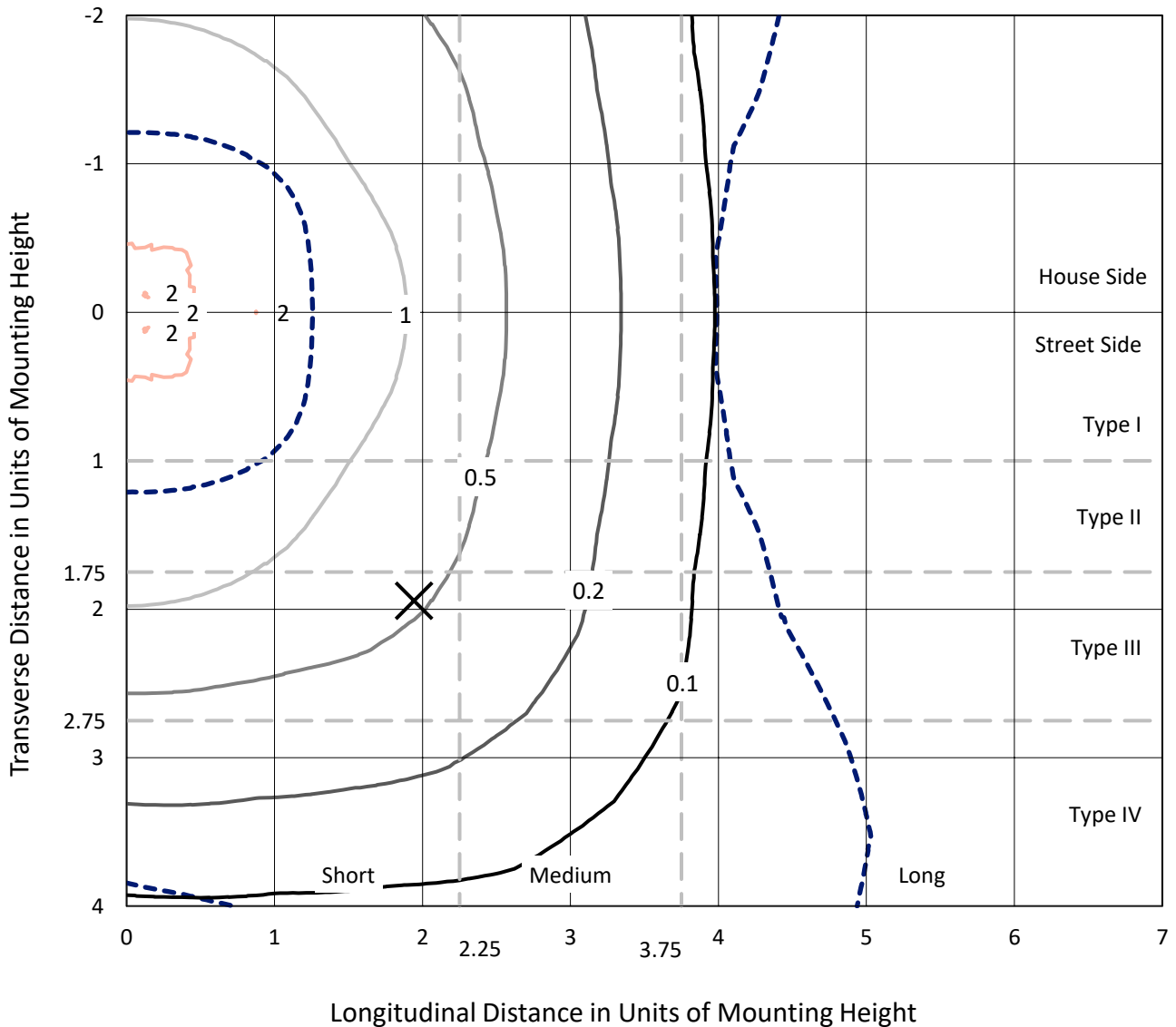
Input Watts (W): 162.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

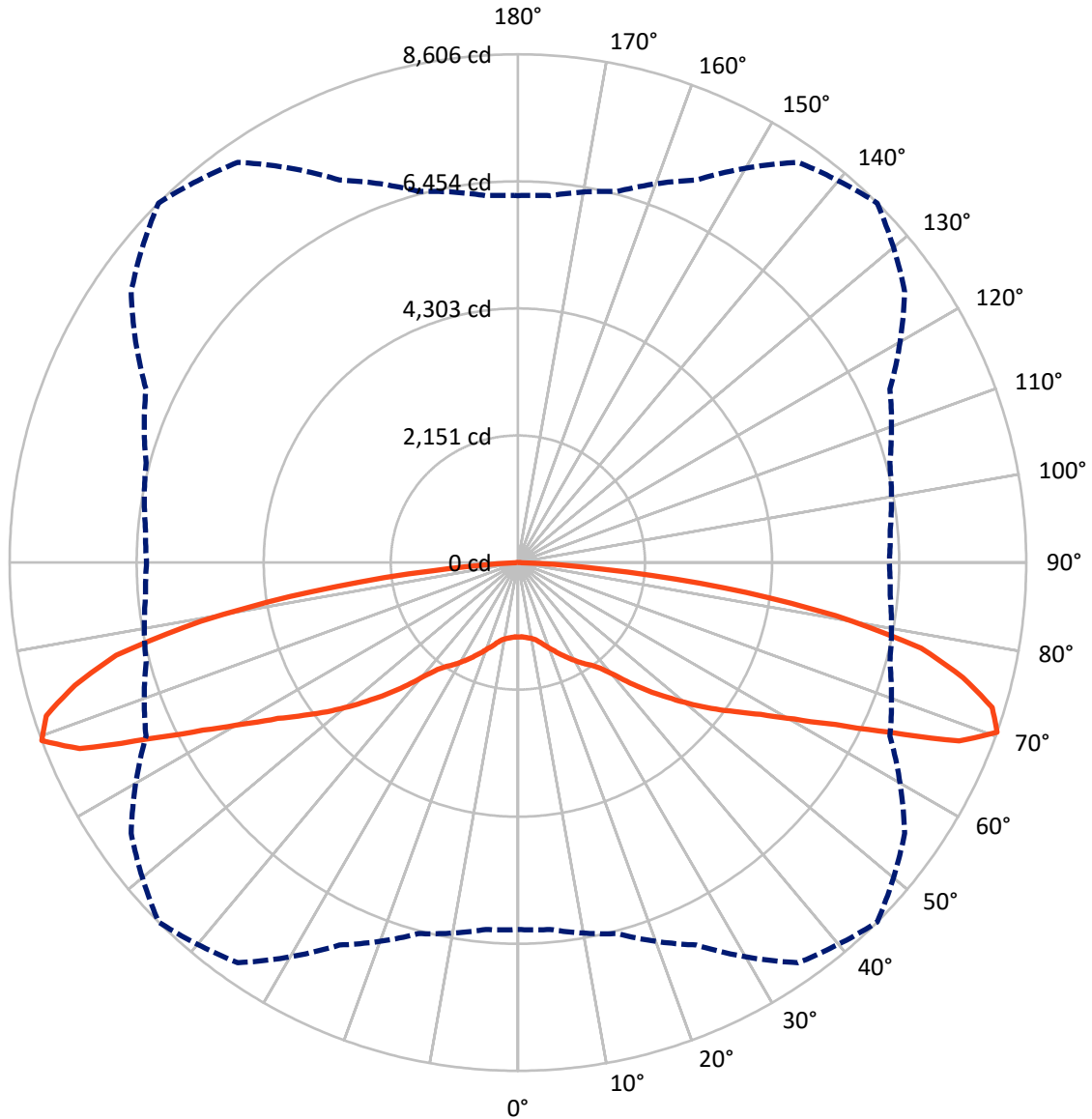
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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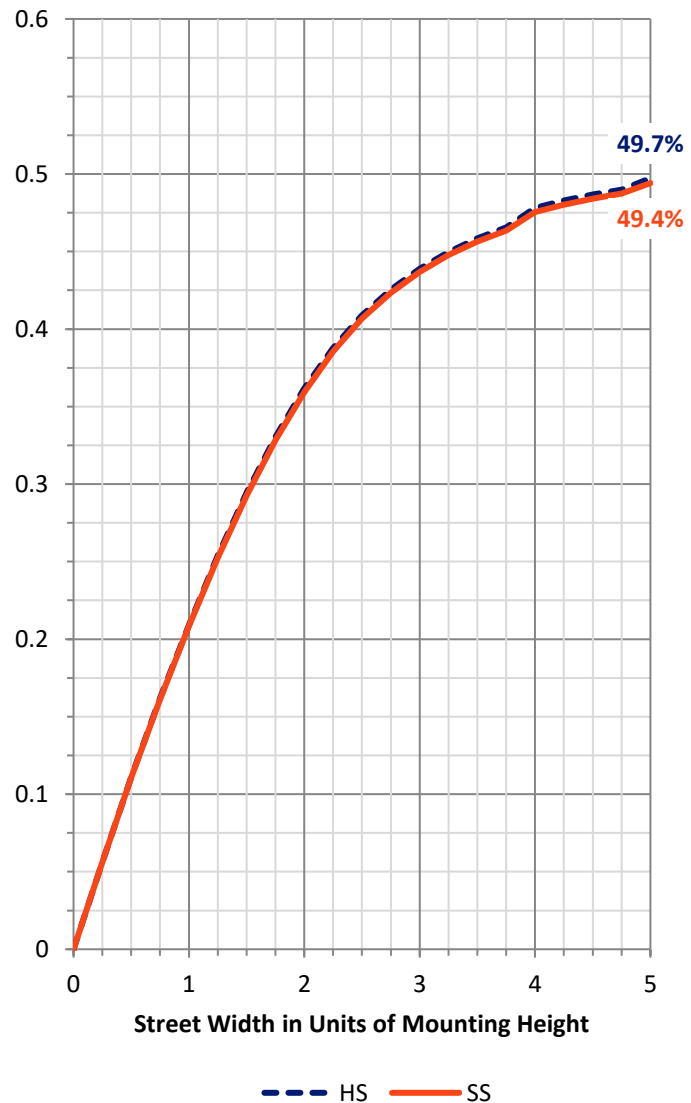
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11707.0	0.0	11707.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11707.0	0.0	11707.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23414.0	0.0	23414.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	0.5
10°-20°	402.3	1.7
20°-30°	791.4	3.4
30°-40°	1355.3	5.8
40°-50°	2528.6	10.8
50°-60°	4269.5	18.2
60°-70°	6695.8	28.6
70°-80°	6044.5	25.8
80°-90°	1203.8	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°	23414.0	100.0
0°-180°	23414.0	100.0



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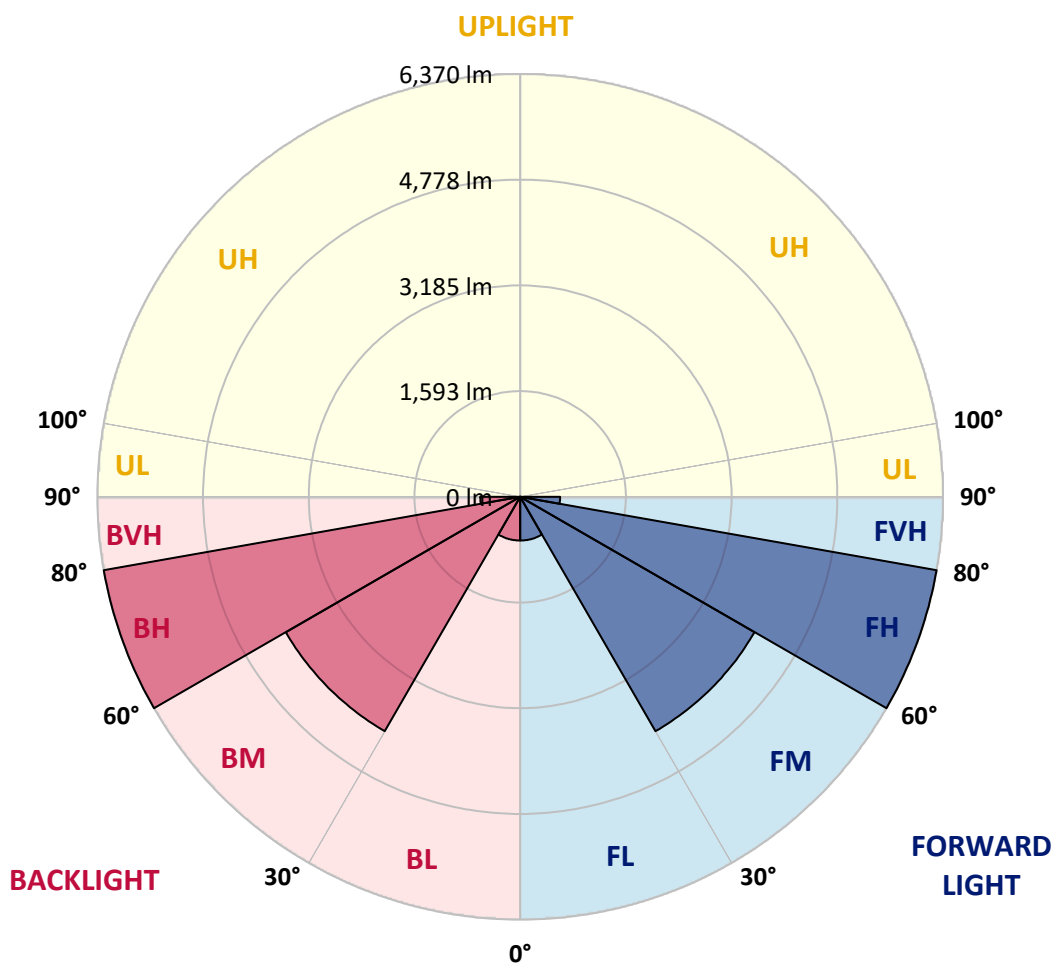
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	658.3	2.8			
FM	(30°-60°)	4076.7	17.4			
FH	(60°-80°)	6370.2	27.2			G3/7500
FVH	(80°-90°)	601.9	2.6			G4/750
BL	(0°-30°)	658.3	2.8	B2/1000		
BM	(30°-60°)	4076.7	17.4	B3/5000		
BH	(60°-80°)	6370.2	27.2	B5		G3/7500
BVH	(80°-90°)	601.9	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°	1261.0	1261.0	1261.0	1261.0	1261.0	1261.0	1261.0	1261.0	1261.0	1261.0	1261.0
2.5°	1282.1	1282.1	1268.5	1261.0	1262.5	1258.0	1258.0	1256.5	1261.0	1261.0	1256.5
5°	1289.6	1295.6	1282.1	1271.5	1274.6	1271.5	1270.0	1271.5	1279.1	1282.1	1276.1
7.5°	1304.7	1310.7	1294.1	1282.1	1286.6	1288.1	1282.1	1286.6	1291.1	1294.1	1286.6
10°	1328.7	1330.2	1319.7	1303.1	1310.7	1307.7	1306.2	1303.1	1304.7	1306.2	1304.7
12.5°	1363.3	1357.3	1345.3	1340.8	1348.3	1342.3	1334.7	1333.2	1339.3	1334.7	1339.3
15°	1407.0	1402.5	1401.0	1396.4	1408.5	1401.0	1397.9	1393.4	1397.9	1388.9	1394.9
17.5°	1455.1	1461.2	1462.7	1467.2	1477.7	1476.2	1465.7	1462.7	1464.2	1455.1	1455.1
20°	1525.9	1528.9	1533.4	1534.9	1552.9	1549.9	1537.9	1527.4	1530.4	1515.3	1510.8
22.5°	1605.6	1605.6	1604.1	1616.1	1640.2	1640.2	1614.6	1602.6	1607.1	1596.6	1587.6
25°	1683.9	1683.9	1677.8	1694.4	1732.0	1730.5	1704.9	1682.4	1689.9	1683.9	1682.4
27.5°	1765.1	1765.1	1756.1	1762.1	1826.8	1831.3	1795.2	1774.1	1772.6	1778.7	1778.7
30°	1853.9	1849.4	1841.9	1834.3	1908.1	1930.6	1881.0	1864.4	1865.9	1875.0	1878.0
32.5°	1954.7	1959.2	1947.2	1933.7	1990.8	2036.0	1966.8	1974.3	1978.8	1992.3	2002.9
35°	2100.7	2100.7	2073.6	2057.0	2091.7	2132.3	2096.2	2112.7	2139.8	2159.4	2168.4
37.5°	2264.7	2272.2	2234.6	2198.5	2236.1	2267.7	2266.2	2308.3	2362.5	2428.7	2415.2
40°	2540.1	2541.6	2476.9	2421.2	2433.2	2487.4	2528.0	2606.3	2684.5	2761.3	2756.8
42.5°	2916.3	2893.7	2841.0	2770.3	2761.3	2786.9	2877.2	2958.4	3062.2	3117.9	3130.0
45°	3315.1	3310.5	3238.3	3125.4	3096.9	3098.4	3175.1	3291.0	3406.8	3465.5	3474.6
47.5°	3746.9	3745.4	3634.1	3521.2	3438.4	3408.3	3474.6	3590.4	3712.3	3784.5	3778.5
50°	4202.9	4184.8	4081.0	3933.5	3822.2	3751.4	3787.6	3910.9	4016.3	4087.0	4087.0
52.5°	4661.8	4642.3	4543.0	4371.4	4198.4	4102.1	4085.5	4199.9	4327.8	4404.5	4403.0
55°	5172.0	5132.8	5015.5	4831.9	4631.7	4452.7	4412.0	4502.3	4660.3	4752.1	4782.2
57.5°	5659.5	5633.9	5524.1	5320.9	5095.2	4846.9	4776.2	4887.6	5048.6	5149.4	5176.5
60°	6153.1	6115.5	6020.7	5870.2	5626.4	5378.1	5265.3	5331.5	5509.0	5621.9	5600.8
62.5°	6696.3	6682.8	6603.0	6463.1	6315.6	6040.2	5865.7	5933.4	6120.0	6211.8	6177.2
65°	7114.6	7134.2	7158.3	7174.8	7134.2	6923.5	6726.4	6806.2	6879.9	6888.9	6836.3
67.5°	6791.1	6878.4	7059.0	7447.2	7900.1	8059.7	7669.9	7138.7	6857.3	6789.6	6708.4
70°	6213.3	6235.8	6503.7	7144.7	8271.8	8605.9	7993.4	6947.6	6517.2	6327.6	6287.0
72.5°	5411.2	5533.1	5855.1	6714.4	8005.5	8396.7	7811.4	6533.8	5891.3	5643.0	5593.3
75°	4472.2	4633.2	5006.4	5992.1	7352.4	7782.8	7251.6	5776.9	4967.3	4711.5	4698.0
77.5°	3316.6	3384.3	3920.0	4932.7	6524.8	6979.2	6395.4	4773.2	3966.6	3558.8	3573.9
80°	1838.9	1918.6	2440.8	3399.3	4964.3	5456.4	4866.5	3438.4	2633.4	2309.9	2285.8
82.5°	809.6	871.3	1227.9	1918.6	3083.3	3510.7	2914.8	1816.3	1223.4	925.4	890.8
85°	242.3	267.9	422.8	768.9	1471.7	1453.6	930.0	416.8	167.0	91.8	87.3
87.5°	57.2	63.2	114.4	176.1	188.1	70.7	33.1	28.6	28.6	28.6	28.6
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)