

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: P553614

Luminaire Tested: **VERD-G-CA2-160-730-U-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553614
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-CA2-160-730-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1460mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22991 lumens
Efficiency: N/A
Efficacy: 141.4 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

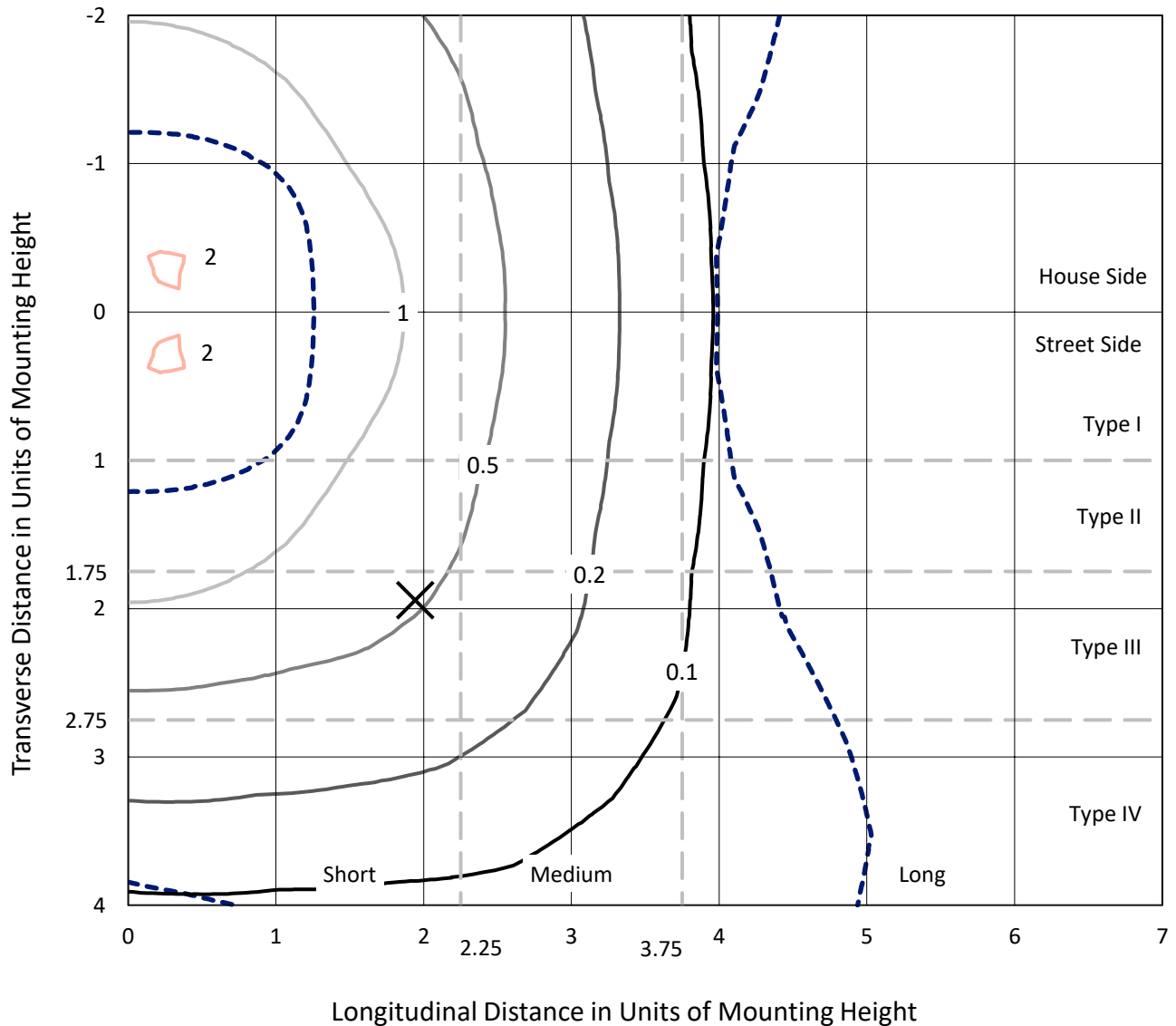
Input Watts (W): 162.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

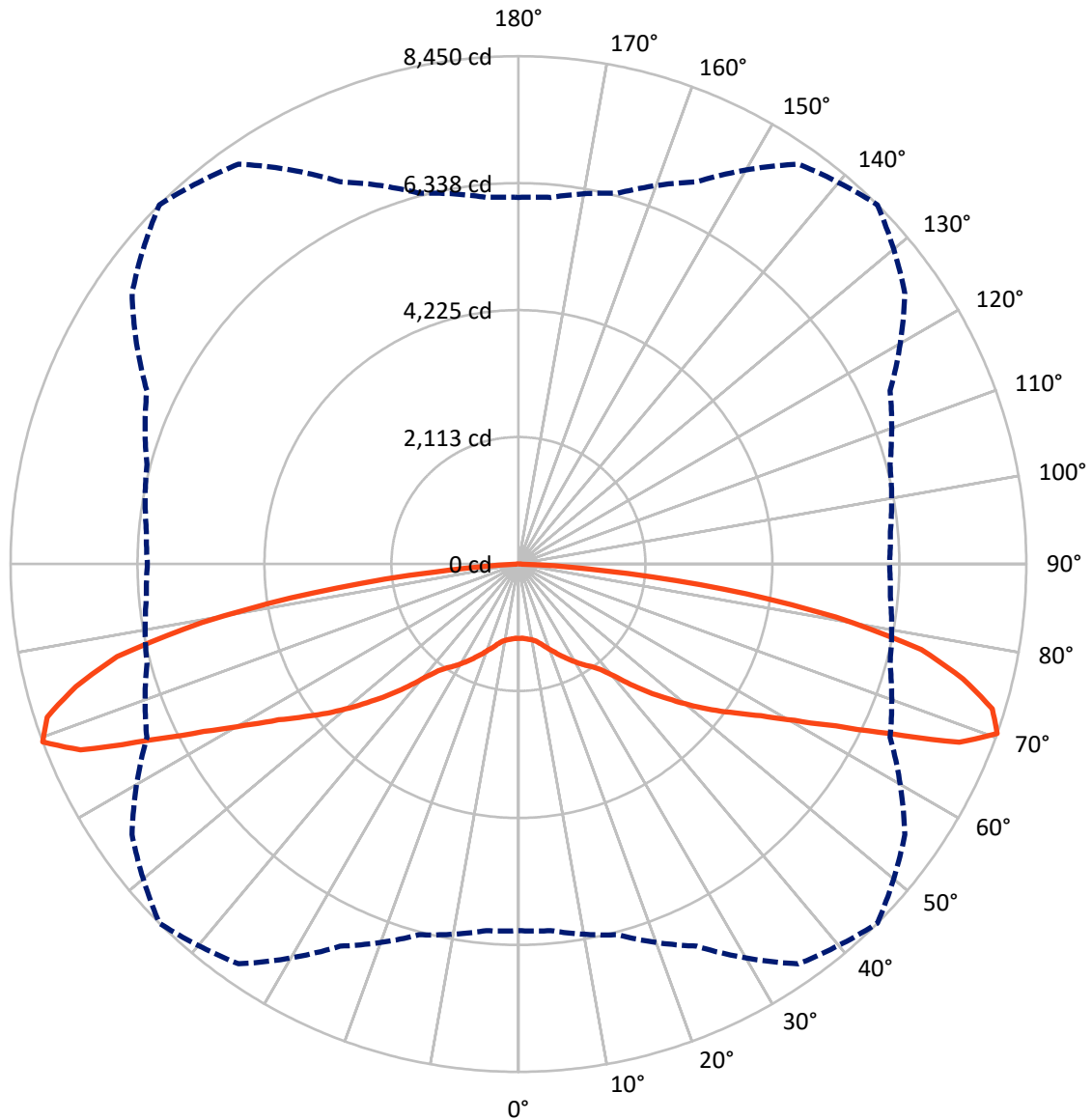
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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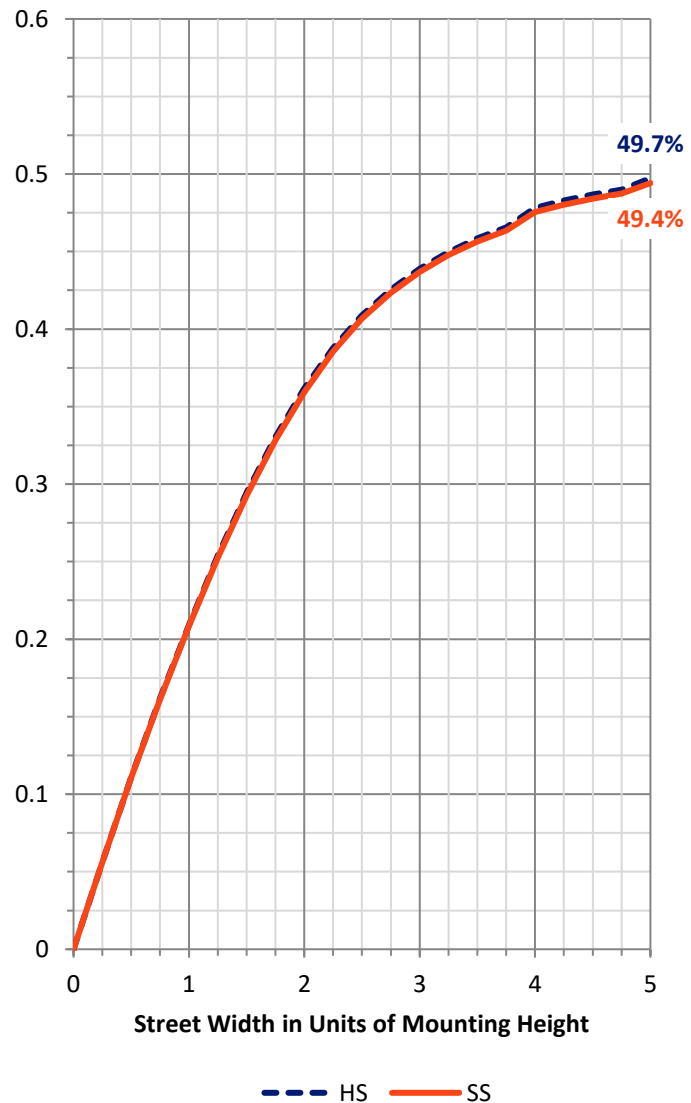
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11495.5	0.0	11495.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11495.5	0.0	11495.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22991.0	0.0	22991.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	0.5
10°-20°	395.0	1.7
20°-30°	777.1	3.4
30°-40°	1330.8	5.8
40°-50°	2482.9	10.8
50°-60°	4192.3	18.2
60°-70°	6574.9	28.6
70°-80°	5935.3	25.8
80°-90°	1182.0	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°	22991.0	100.0
0°-180°	22991.0	100.0



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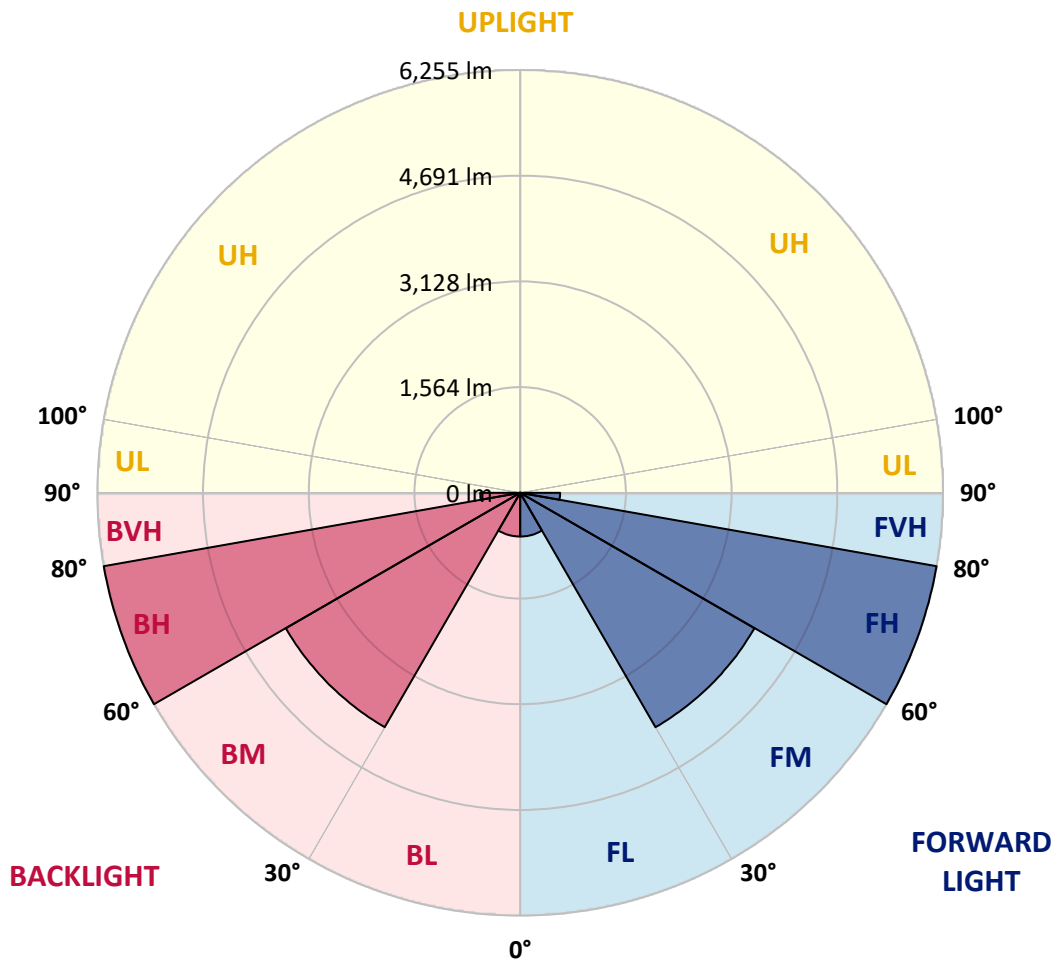
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	646.4	2.8			
FM	(30°-60°)	4003.0	17.4			
FH	(60°-80°)	6255.1	27.2			G3/7500
FVH	(80°-90°)	591.0	2.6			G4/750
BL	(0°-30°)	646.4	2.8	B2/1000		
BM	(30°-60°)	4003.0	17.4	B3/5000		
BH	(60°-80°)	6255.1	27.2	B5		G3/7500
BVH	(80°-90°)	591.0	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°	1238.2	1238.2	1238.2	1238.2	1238.2	1238.2	1238.2	1238.2	1238.2	1238.2	1238.2
2.5°	1258.9	1258.9	1245.6	1238.2	1239.7	1235.3	1235.3	1233.8	1238.2	1238.2	1233.8
5°	1266.3	1272.2	1258.9	1248.6	1251.5	1248.6	1247.1	1248.6	1256.0	1258.9	1253.0
7.5°	1281.1	1287.0	1270.7	1258.9	1263.4	1264.8	1258.9	1263.4	1267.8	1270.7	1263.4
10°	1304.7	1306.2	1295.9	1279.6	1287.0	1284.0	1282.6	1279.6	1281.1	1282.6	1281.1
12.5°	1338.7	1332.8	1321.0	1316.5	1323.9	1318.0	1310.6	1309.2	1315.1	1310.6	1315.1
15°	1381.6	1377.1	1375.6	1371.2	1383.0	1375.6	1372.7	1368.3	1372.7	1363.8	1369.7
17.5°	1428.8	1434.8	1436.2	1440.7	1451.0	1449.5	1439.2	1436.2	1437.7	1428.8	1428.8
20°	1498.3	1501.2	1505.7	1507.2	1524.9	1521.9	1510.1	1499.8	1502.7	1487.9	1483.5
22.5°	1576.6	1576.6	1575.1	1586.9	1610.6	1610.6	1585.5	1573.6	1578.1	1567.7	1558.9
25°	1653.4	1653.4	1647.5	1663.8	1700.7	1699.2	1674.1	1652.0	1659.3	1653.4	1652.0
27.5°	1733.2	1733.2	1724.4	1730.3	1793.8	1798.2	1762.8	1742.1	1740.6	1746.5	1746.5
30°	1820.4	1816.0	1808.6	1801.2	1873.6	1895.8	1847.0	1830.8	1832.2	1841.1	1844.1
32.5°	1919.4	1923.8	1912.0	1898.7	1954.9	1999.2	1931.2	1938.6	1943.0	1956.3	1966.7
35°	2062.7	2062.7	2036.1	2019.9	2053.9	2093.8	2058.3	2074.6	2101.2	2120.4	2129.2
37.5°	2223.8	2231.2	2194.2	2158.8	2195.7	2226.7	2225.3	2266.6	2319.8	2384.9	2371.6
40°	2494.2	2495.7	2432.1	2377.5	2389.3	2442.5	2482.4	2559.2	2636.0	2711.4	2707.0
42.5°	2863.6	2841.4	2789.7	2720.3	2711.4	2736.5	2825.2	2905.0	3006.9	3061.6	3073.4
45°	3255.2	3250.7	3179.8	3069.0	3040.9	3042.4	3117.7	3231.5	3345.3	3402.9	3411.8
47.5°	3679.2	3677.8	3568.4	3457.6	3376.3	3346.8	3411.8	3525.6	3645.2	3716.2	3710.3
50°	4126.9	4109.2	4007.3	3862.5	3753.1	3683.7	3719.1	3840.3	3943.7	4013.2	4013.2
52.5°	4577.6	4558.4	4460.9	4292.4	4122.5	4027.9	4011.7	4124.0	4249.6	4324.9	4323.5
55°	5078.5	5040.1	4924.9	4744.6	4548.1	4372.2	4332.3	4421.0	4576.1	4666.3	4695.8
57.5°	5557.3	5532.2	5424.3	5224.8	5003.2	4759.4	4689.9	4799.3	4957.4	5056.4	5083.0
60°	6041.9	6005.0	5911.9	5764.1	5524.8	5281.0	5170.1	5235.2	5409.5	5520.3	5499.6
62.5°	6575.3	6562.0	6483.7	6346.3	6201.5	5931.1	5759.7	5826.2	6009.4	6099.6	6065.6
65°	6986.1	7005.3	7029.0	7045.2	7005.3	6798.5	6604.9	6683.2	6755.6	6764.5	6712.8
67.5°	6668.4	6754.1	6931.4	7312.7	7757.4	7914.0	7531.3	7009.8	6733.4	6667.0	6587.2
70°	6101.0	6123.2	6386.2	7015.7	8122.4	8450.4	7849.0	6822.1	6399.5	6213.3	6173.4
72.5°	5313.5	5433.2	5749.4	6593.1	7860.9	8245.0	7670.2	6415.8	5784.8	5541.0	5492.3
75°	4391.4	4549.5	4916.0	5883.8	7219.6	7642.2	7120.6	5672.5	4877.6	4626.4	4613.1
77.5°	3256.6	3323.1	3849.2	4843.6	6406.9	6853.1	6279.8	4687.0	3895.0	3494.5	3509.3
80°	1805.6	1883.9	2396.7	3337.9	4874.6	5357.8	4778.6	3376.3	2585.8	2268.1	2244.5
82.5°	795.0	855.5	1205.7	1883.9	3027.6	3447.3	2862.1	1783.5	1201.3	908.7	874.7
85°	237.9	263.0	415.2	755.1	1445.1	1427.4	913.2	409.3	164.0	90.1	85.7
87.5°	56.1	62.1	112.3	172.9	184.7	69.4	32.5	28.1	28.1	28.1	28.1
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)