

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: P553590

Luminaire Tested: **VERD-G-CA2-150-760-U-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553590
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-CA2-150-760-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1380mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22198 lumens
Efficiency: N/A
Efficacy: 145.8 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

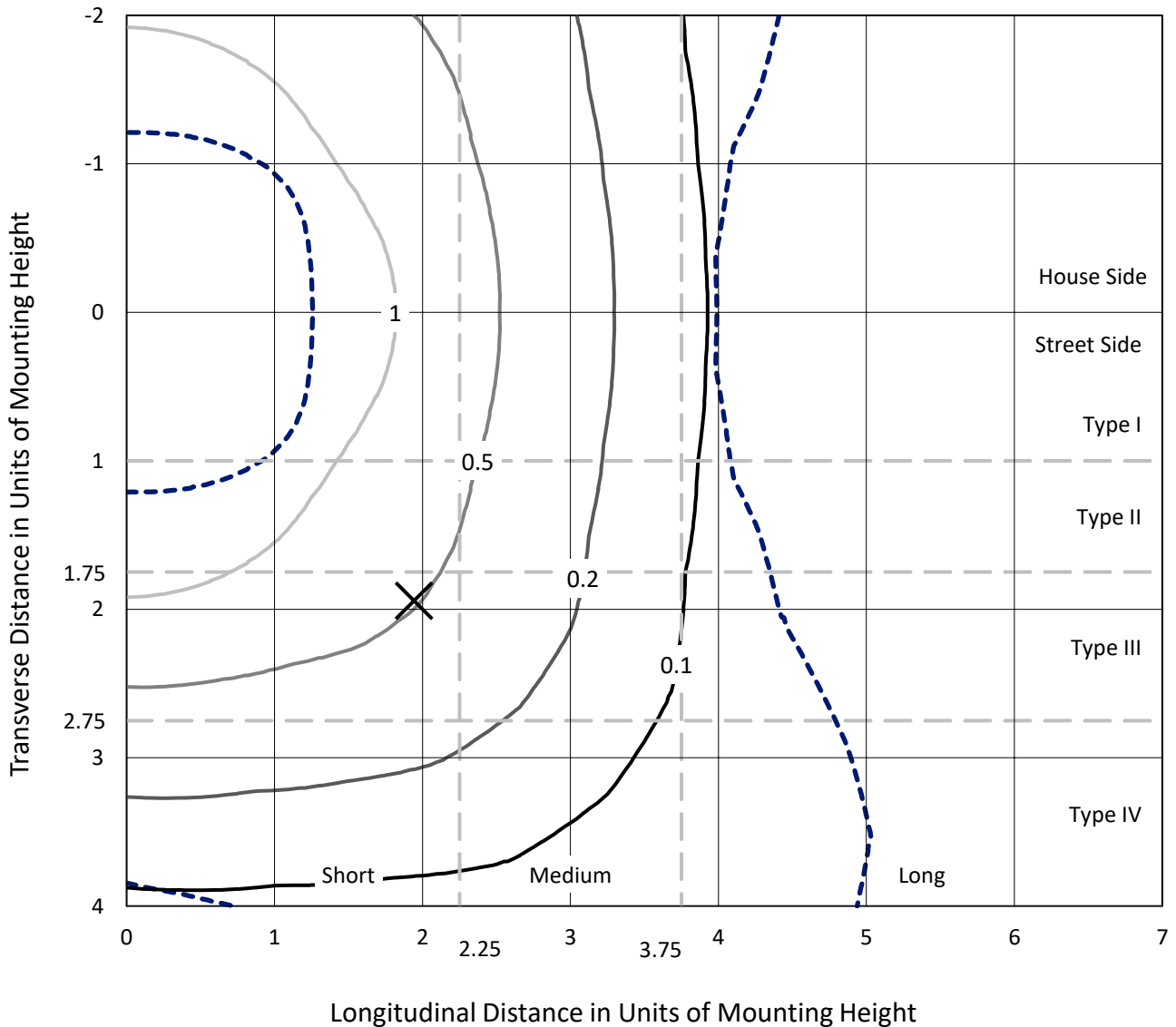
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

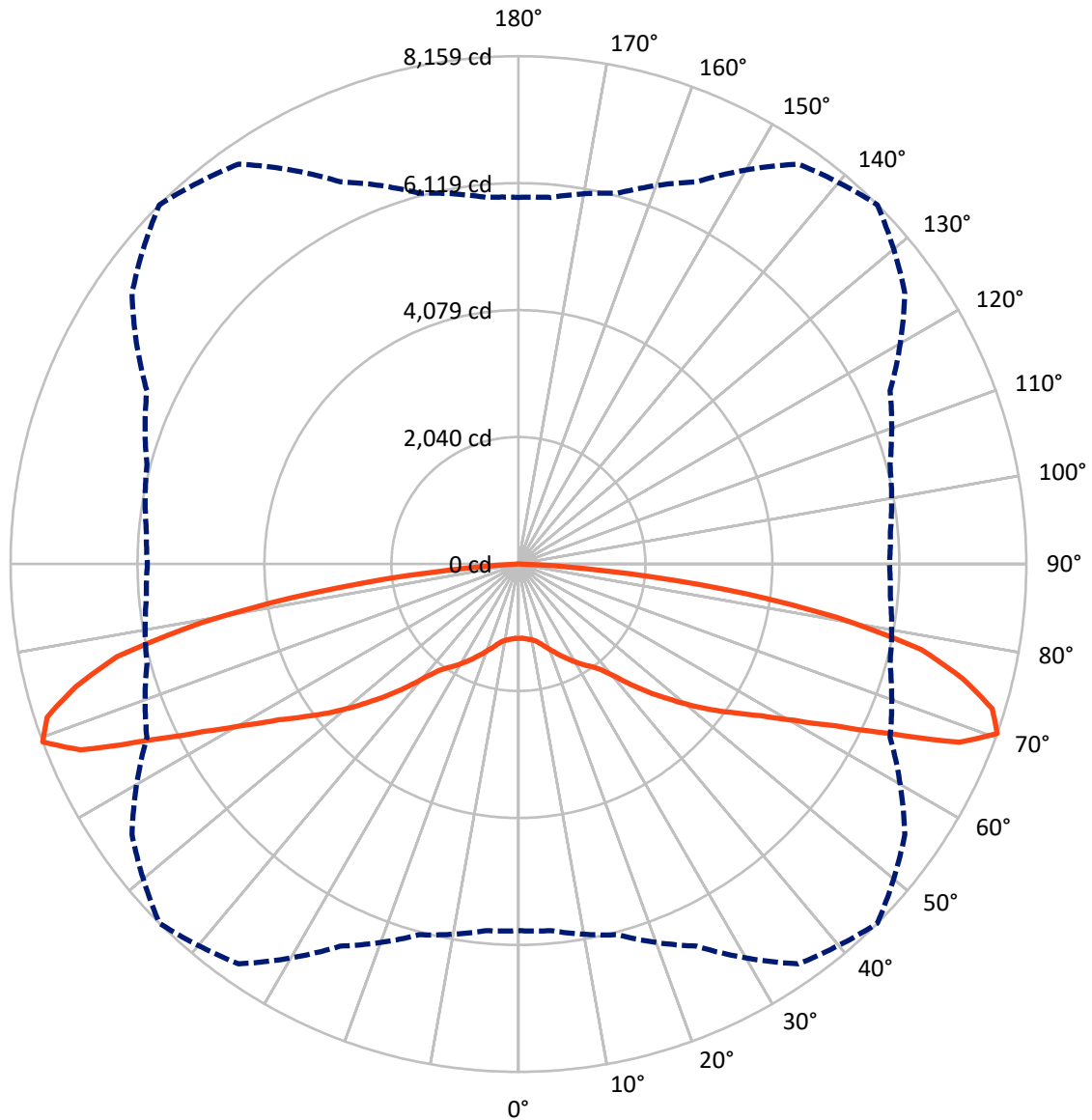
× Max cd
 - - - 1/2 Max cd



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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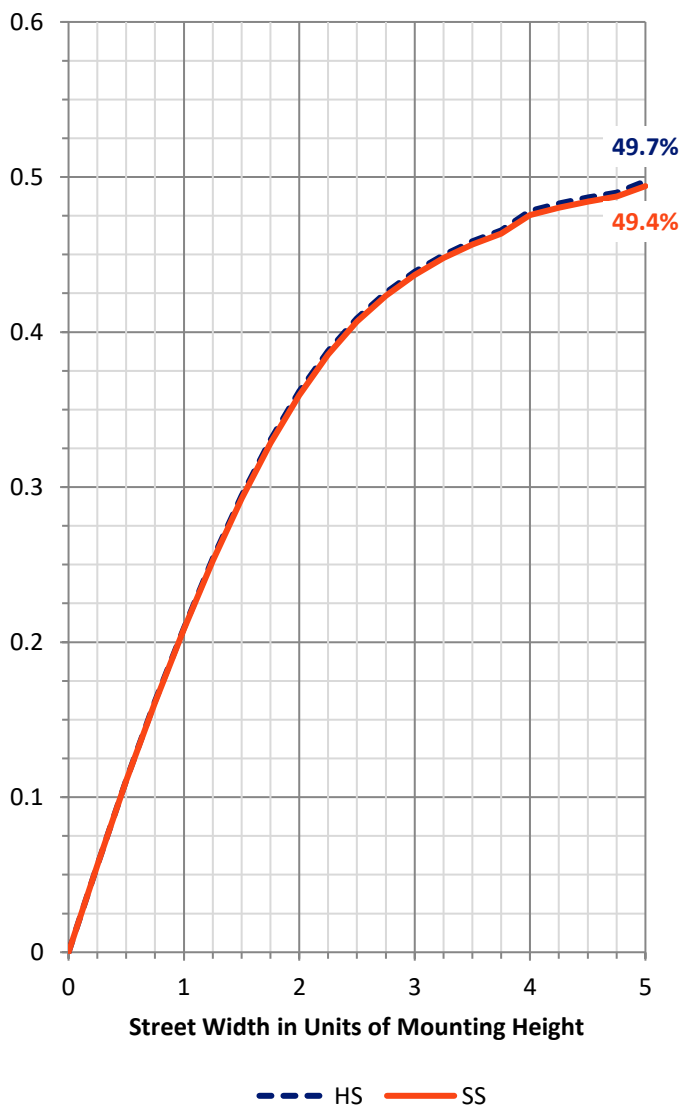
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11099.0	0.0	11099.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11099.0	0.0	11099.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22198.0	0.0	22198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	0.5
10°-20°	381.4	1.7
20°-30°	750.3	3.4
30°-40°	1284.9	5.8
40°-50°	2397.3	10.8
50°-60°	4047.7	18.2
60°-70°	6348.1	28.6
70°-80°	5730.6	25.8
80°-90°	1141.2	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°	22198.0	100.0
0°-180°	22198.0	100.0

Coefficient of Utilization



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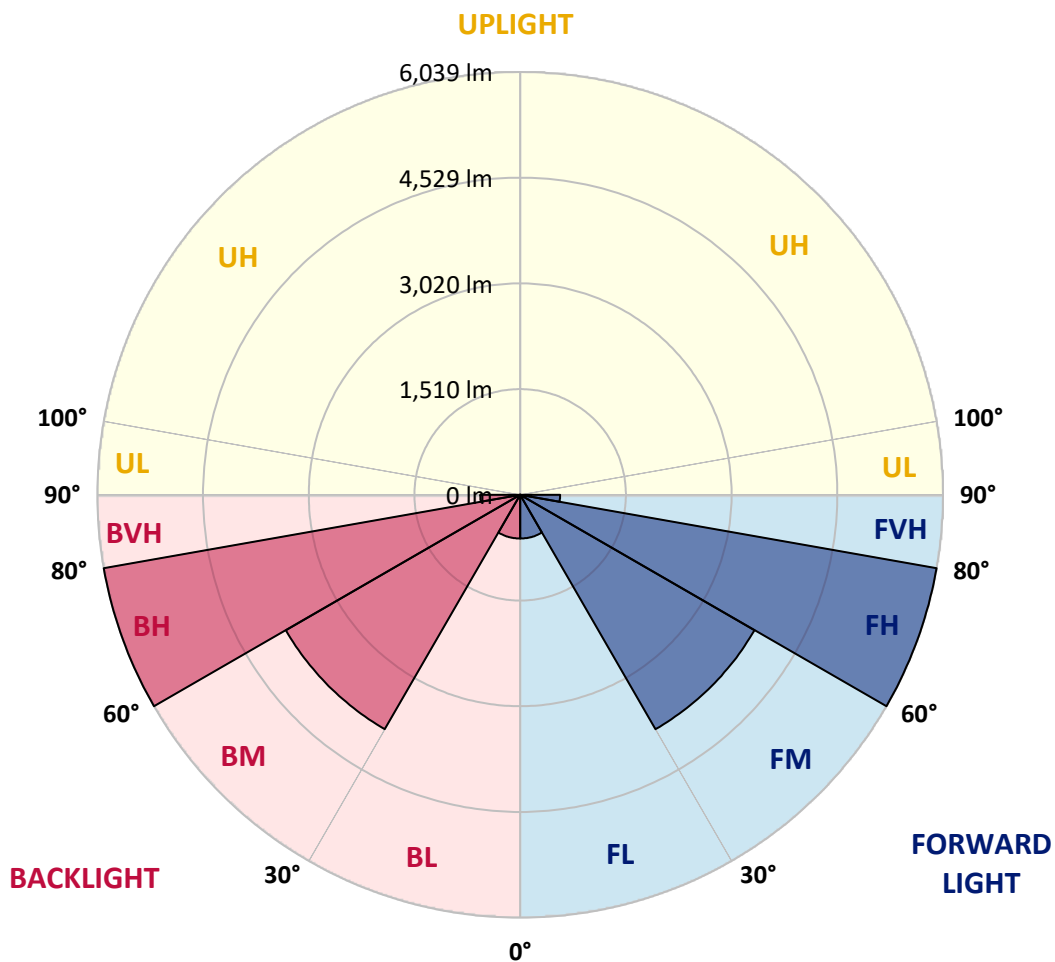
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	624.1	2.8			
FM	(30°-60°)	3865.0	17.4			
FH	(60°-80°)	6039.3	27.2			G3/7500
FVH	(80°-90°)	570.6	2.6			G4/750
BL	(0°-30°)	624.1	2.8	B2/1000		
BM	(30°-60°)	3865.0	17.4	B3/5000		
BH	(60°-80°)	6039.3	27.2	B5		G3/7500
BVH	(80°-90°)	570.6	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°	1195.5	1195.5	1195.5	1195.5	1195.5	1195.5	1195.5	1195.5	1195.5	1195.5	1195.5
2.5°	1215.5	1215.5	1202.7	1195.5	1197.0	1192.7	1192.7	1191.2	1195.5	1195.5	1191.2
5°	1222.6	1228.3	1215.5	1205.5	1208.4	1205.5	1204.1	1205.5	1212.6	1215.5	1209.8
7.5°	1236.9	1242.6	1226.9	1215.5	1219.8	1221.2	1215.5	1219.8	1224.1	1226.9	1219.8
10°	1259.7	1261.1	1251.2	1235.5	1242.6	1239.7	1238.3	1235.5	1236.9	1238.3	1236.9
12.5°	1292.5	1286.8	1275.4	1271.1	1278.3	1272.6	1265.4	1264.0	1269.7	1265.4	1269.7
15°	1333.9	1329.6	1328.2	1323.9	1335.3	1328.2	1325.3	1321.1	1325.3	1316.8	1322.5
17.5°	1379.6	1385.3	1386.7	1391.0	1401.0	1399.5	1389.5	1386.7	1388.1	1379.6	1379.6
20°	1446.6	1449.5	1453.7	1455.2	1472.3	1469.4	1458.0	1448.0	1450.9	1436.6	1432.3
22.5°	1522.2	1522.2	1520.8	1532.2	1555.0	1555.0	1530.8	1519.4	1523.7	1513.7	1505.1
25°	1596.4	1596.4	1590.7	1606.4	1642.1	1640.6	1616.4	1595.0	1602.1	1596.4	1595.0
27.5°	1673.4	1673.4	1664.9	1670.6	1731.9	1736.2	1702.0	1682.0	1680.6	1686.3	1686.3
30°	1757.6	1753.3	1746.2	1739.1	1809.0	1830.4	1783.3	1767.6	1769.0	1777.6	1780.4
32.5°	1853.2	1857.5	1846.1	1833.2	1887.4	1930.2	1864.6	1871.8	1876.0	1888.9	1898.9
35°	1991.6	1991.6	1965.9	1950.2	1983.0	2021.5	1987.3	2003.0	2028.7	2047.2	2055.8
37.5°	2147.1	2154.2	2118.6	2084.3	2120.0	2149.9	2148.5	2188.5	2239.8	2302.6	2289.8
40°	2408.2	2409.6	2348.2	2295.5	2306.9	2358.2	2396.8	2470.9	2545.1	2617.9	2613.6
42.5°	2764.8	2743.4	2693.5	2626.4	2617.9	2642.1	2727.7	2804.8	2903.2	2956.0	2967.4
45°	3142.9	3138.6	3070.1	2963.1	2936.0	2937.4	3010.2	3120.1	3229.9	3285.5	3294.1
47.5°	3552.3	3550.9	3445.3	3338.3	3259.9	3231.3	3294.1	3404.0	3519.5	3588.0	3582.3
50°	3984.6	3967.5	3869.0	3729.2	3623.7	3556.6	3590.9	3707.8	3807.7	3874.8	3874.8
52.5°	4419.7	4401.2	4307.0	4144.4	3980.3	3889.0	3873.3	3981.7	4103.0	4175.8	4174.3
55°	4903.4	4866.3	4755.0	4580.9	4391.2	4221.4	4182.9	4268.5	4418.3	4505.3	4533.9
57.5°	5365.6	5341.3	5237.2	5044.6	4830.6	4595.2	4528.2	4633.7	4786.4	4882.0	4907.6
60°	5833.5	5797.9	5708.0	5565.3	5334.2	5098.8	4991.8	5054.6	5222.9	5329.9	5310.0
62.5°	6348.5	6335.7	6260.1	6127.4	5987.6	5726.5	5561.0	5625.2	5802.1	5889.2	5856.4
65°	6745.1	6763.7	6786.5	6802.2	6763.7	6564.0	6377.1	6452.7	6522.6	6531.2	6481.2
67.5°	6438.4	6521.2	6692.4	7060.4	7489.9	7641.1	7271.6	6768.0	6501.2	6437.0	6360.0
70°	5890.6	5912.0	6165.9	6773.7	7842.2	8158.9	7578.3	6586.8	6178.8	5999.0	5960.5
72.5°	5130.2	5245.8	5551.1	6365.7	7589.7	7960.6	7405.7	6194.5	5585.3	5349.9	5302.8
75°	4240.0	4392.6	4746.4	5680.9	6970.6	7378.6	6875.0	5476.9	4709.3	4466.8	4454.0
77.5°	3144.3	3208.5	3716.4	4676.5	6185.9	6616.8	6063.2	4525.3	3760.6	3374.0	3388.3
80°	1743.4	1819.0	2314.0	3222.8	4706.5	5173.0	4613.8	3259.9	2496.6	2189.9	2167.1
82.5°	767.5	826.0	1164.1	1819.0	2923.2	3328.3	2763.4	1722.0	1159.9	877.4	844.6
85°	229.7	253.9	400.9	729.0	1395.3	1378.1	881.7	395.2	158.4	87.0	82.7
87.5°	54.2	59.9	108.4	166.9	178.3	67.1	31.4	27.1	27.1	27.1	27.1
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)