

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: P507534

Luminaire Tested: **VERD-S-CA1-40-727-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507534  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-S-CA1-40-727-U-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2700K, 760mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5387 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 43.4  
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

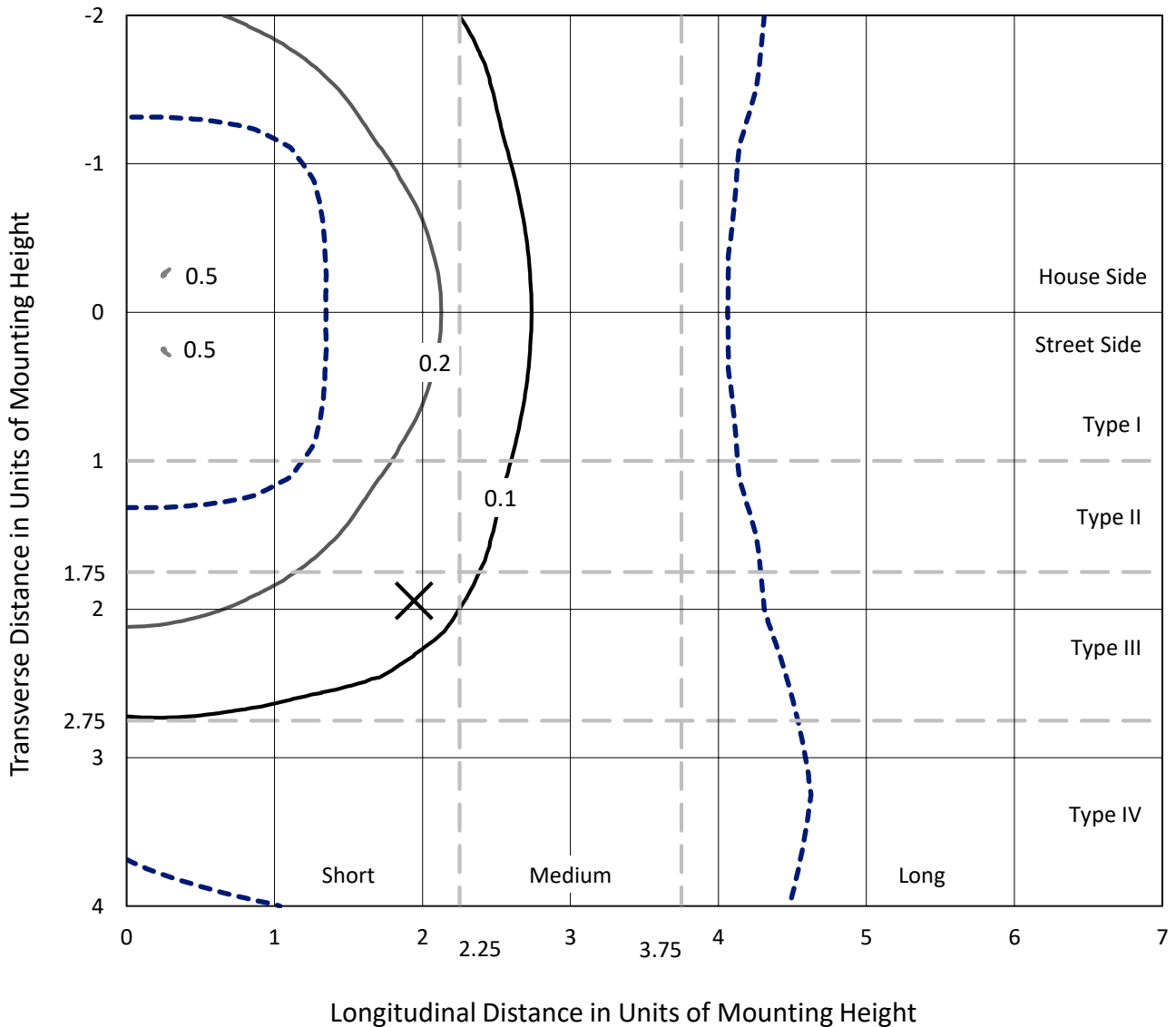


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### Iso-Footcandle Lines of Horizontal Illumination

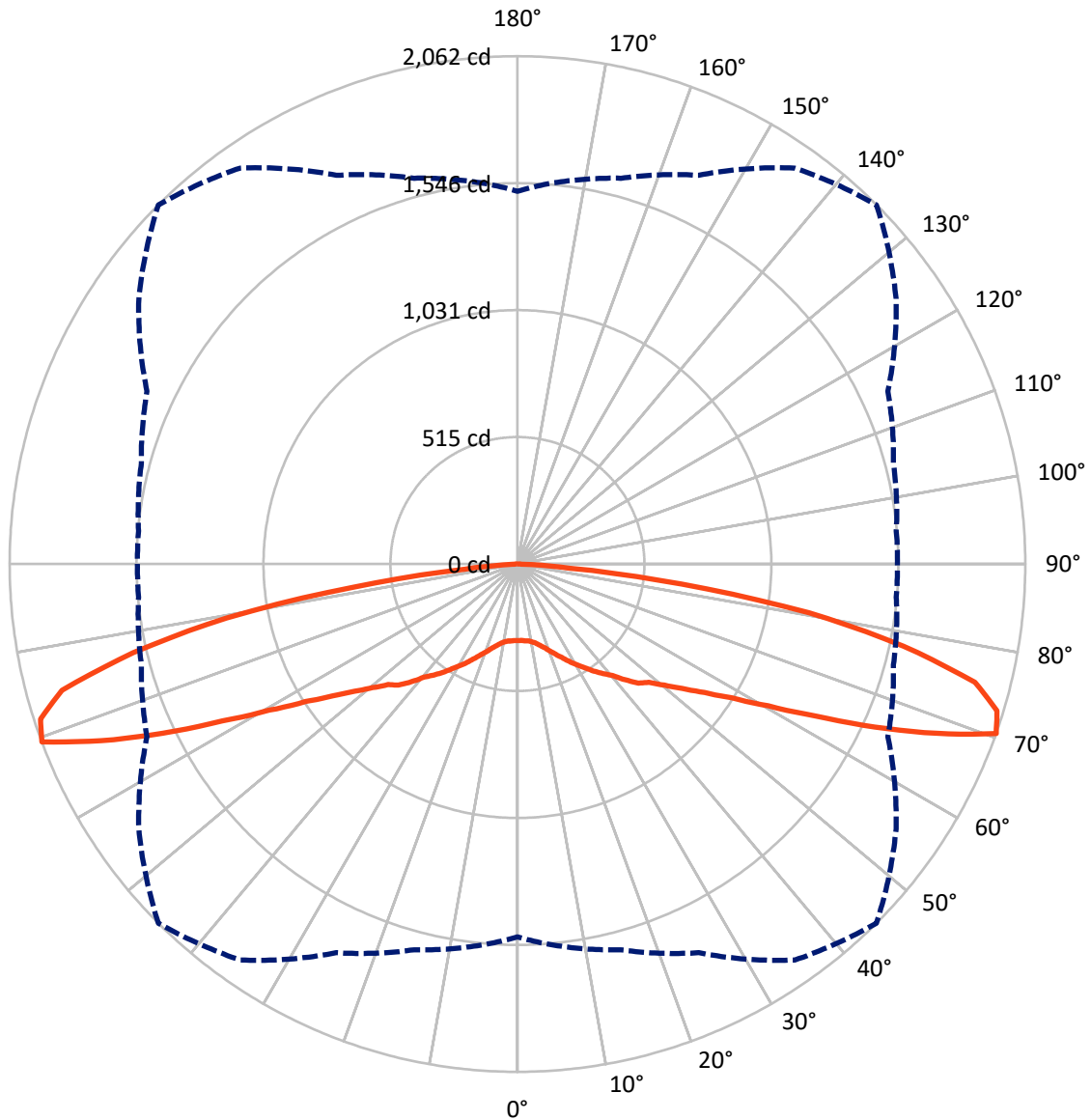
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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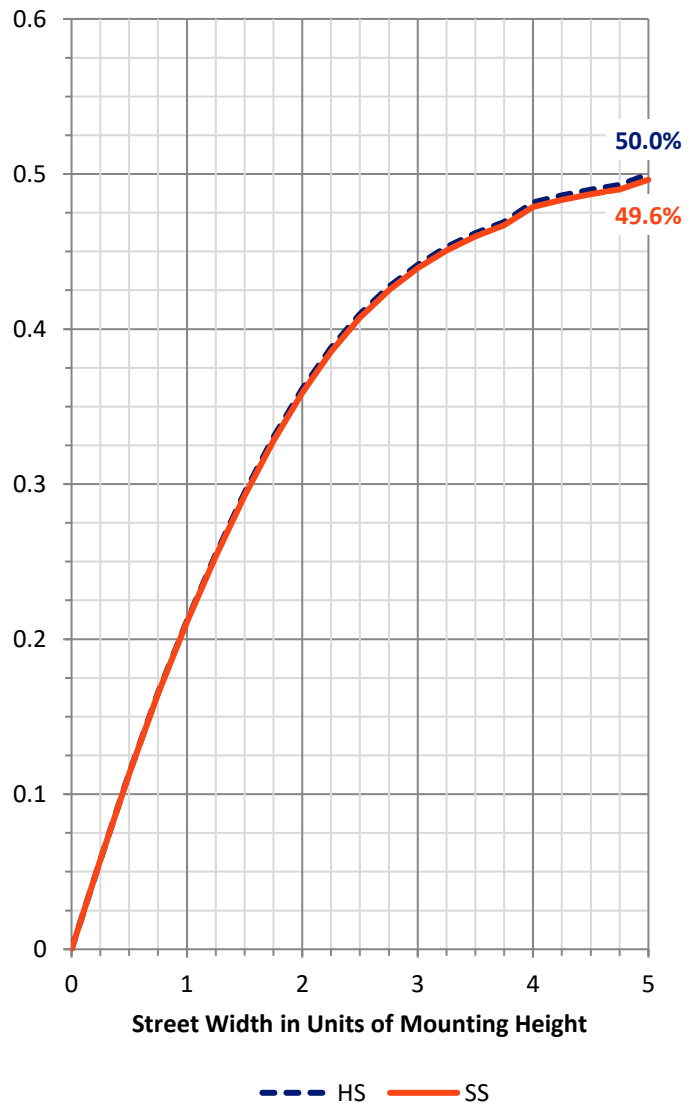
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2693.5	0.0	2693.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2693.5	0.0	2693.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5387.0	0.0	5387.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.1	0.6
10°-20°	97.3	1.8
20°-30°	192.9	3.6
30°-40°	335.7	6.2
40°-50°	550.0	10.2
50°-60°	935.2	17.4
60°-70°	1554.5	28.9
70°-80°	1450.1	26.9
80°-90°	241.2	4.5
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°	5387.0	100.0
0°-180°	5387.0	100.0



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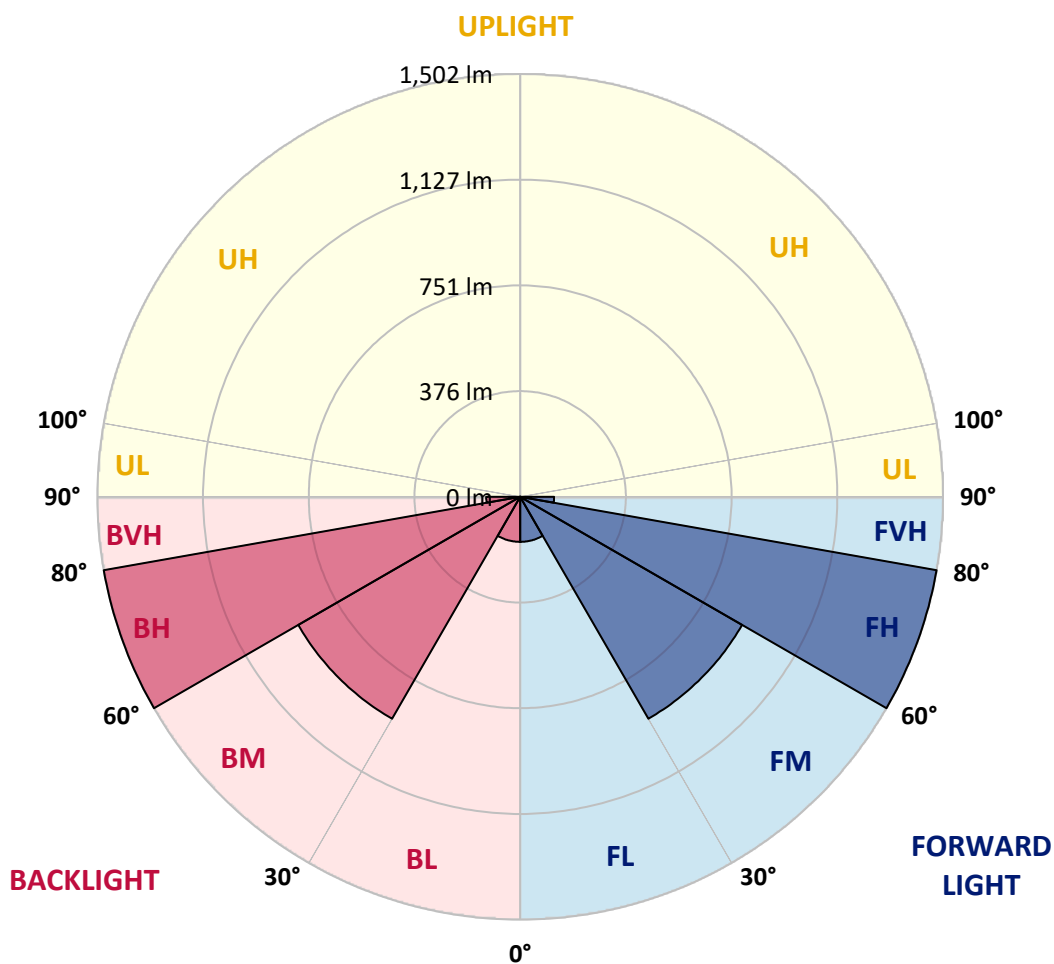
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.1	3.0			
FM (30°-60°)	910.4	16.9			
FH (60°-80°)	1502.3	27.9			G1/1800
FVH (80°-90°)	120.6	2.2			G2/225
BL (0°-30°)	160.1	3.0	B1/500		
BM (30°-60°)	910.4	16.9	B1/1000		
BH (60°-80°)	1502.3	27.9	B3/2500		G1/1800
BVH (80°-90°)	120.6	2.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5
2.5°	310.5	310.5	310.5	310.5	310.5	310.5	310.5	312.0	312.0	312.0	312.0
5°	313.5	313.5	312.0	312.0	312.0	313.5	313.5	313.5	313.5	314.9	314.9
7.5°	314.9	314.9	314.9	314.9	314.9	314.9	314.9	314.9	316.4	316.4	316.4
10°	320.7	320.7	320.7	320.7	320.7	320.7	320.7	320.7	320.7	320.7	320.7
12.5°	326.6	326.6	328.0	328.0	329.5	329.5	328.0	328.0	326.6	325.1	325.1
15°	336.8	336.8	338.2	339.7	342.6	342.6	341.2	339.7	336.8	335.3	335.3
17.5°	347.0	347.0	348.4	351.4	355.7	357.2	354.3	351.4	348.4	347.0	347.0
20°	361.6	363.0	364.5	367.4	374.7	377.6	373.2	367.4	365.9	365.9	365.9
22.5°	383.4	383.4	383.4	387.8	393.6	398.0	392.2	389.3	386.3	386.3	386.3
25°	406.8	406.8	406.8	408.2	417.0	421.3	415.5	411.1	409.7	411.1	411.1
27.5°	433.0	433.0	433.0	433.0	440.3	447.6	440.3	435.9	437.4	437.4	437.4
30°	460.7	460.7	462.2	462.2	465.1	473.8	466.5	465.1	466.5	468.0	468.0
32.5°	492.8	494.2	492.8	492.8	495.7	501.5	497.2	497.2	500.1	503.0	503.0
35°	526.3	526.3	526.3	526.3	527.8	533.6	530.7	530.7	535.1	539.4	539.4
37.5°	562.8	564.2	559.8	558.4	561.3	564.2	562.8	565.7	573.0	578.8	580.3
40°	602.1	602.1	597.7	593.4	593.4	594.8	597.7	603.6	613.8	621.1	622.5
42.5°	651.7	656.1	648.8	642.9	640.0	642.9	645.9	656.1	666.3	672.1	672.1
45°	717.3	718.8	710.0	699.8	692.5	689.6	694.0	704.2	715.8	727.5	727.5
47.5°	797.5	794.6	775.6	745.0	723.1	717.3	724.6	747.9	775.6	793.1	796.0
50°	898.1	895.2	866.0	820.8	781.4	772.7	777.1	812.1	852.9	879.1	883.5
52.5°	1017.6	1010.3	978.3	918.5	858.7	838.3	848.5	895.2	947.6	981.2	985.6
55°	1140.1	1135.7	1102.2	1035.1	959.3	921.4	934.5	997.2	1062.8	1097.8	1100.7
57.5°	1259.6	1261.1	1230.5	1169.3	1080.3	1024.9	1042.4	1116.8	1191.1	1226.1	1226.1
60°	1373.4	1371.9	1350.0	1301.9	1233.4	1169.3	1191.1	1252.4	1318.0	1350.0	1353.0
62.5°	1482.7	1481.2	1474.0	1443.3	1404.0	1357.3	1358.8	1399.6	1452.1	1475.4	1479.8
65°	1624.1	1621.2	1611.0	1592.1	1597.9	1595.0	1546.9	1557.1	1606.6	1632.9	1634.3
67.5°	1634.3	1651.8	1685.4	1742.2	1823.9	1835.5	1774.3	1682.4	1657.7	1643.1	1641.6
70°	1513.3	1551.2	1621.2	1740.8	1962.4	2061.5	1876.3	1659.1	1580.4	1543.9	1542.5
72.5°	1300.5	1379.2	1471.0	1662.0	1971.1	2035.3	1886.6	1573.1	1446.3	1386.5	1377.7
75°	1007.4	1083.2	1236.3	1498.7	1854.5	1918.6	1772.8	1411.3	1248.0	1189.7	1172.2
77.5°	619.6	710.0	871.8	1172.2	1535.2	1600.8	1484.2	1125.5	950.6	858.7	863.1
80°	301.8	390.7	526.3	791.7	1103.6	1199.9	1020.5	726.0	578.8	514.6	508.8
82.5°	131.2	177.9	253.7	396.6	626.9	670.6	519.0	358.6	285.8	255.1	252.2
85°	19.0	26.2	65.6	118.1	189.5	212.9	122.5	74.4	56.9	51.0	46.7
87.5°	13.1	13.1	13.1	14.6	17.5	19.0	16.0	14.6	13.1	13.1	13.1
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)