

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: P507574

Luminaire Tested: **VERD-S-CA1-50-722-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507574  
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-CA1-50-722-U-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 940mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6309 lumens  
Efficiency: N/A  
Efficacy: 117.9 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): 53.5  
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

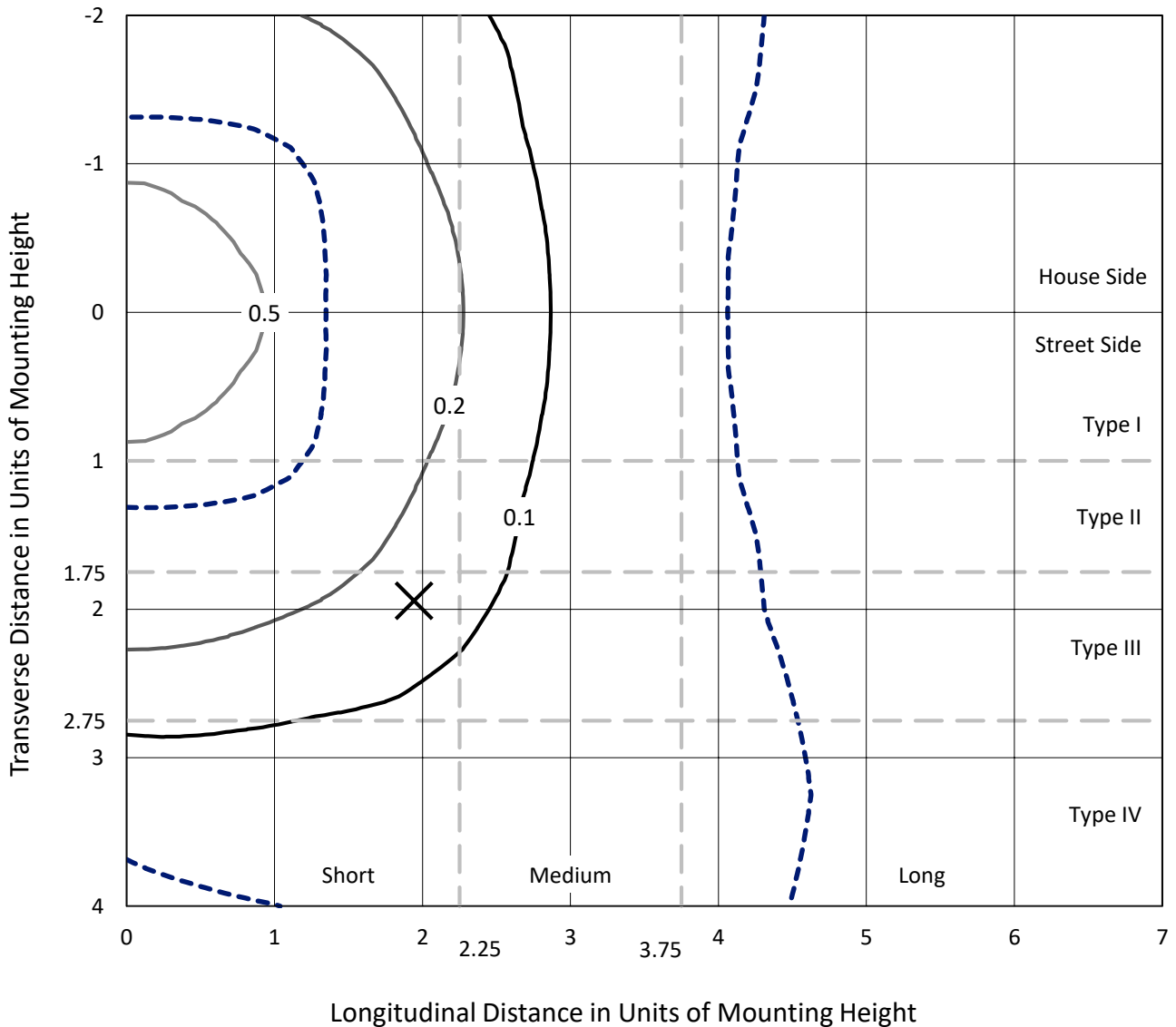


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### Iso-Footcandle Lines of Horizontal Illumination

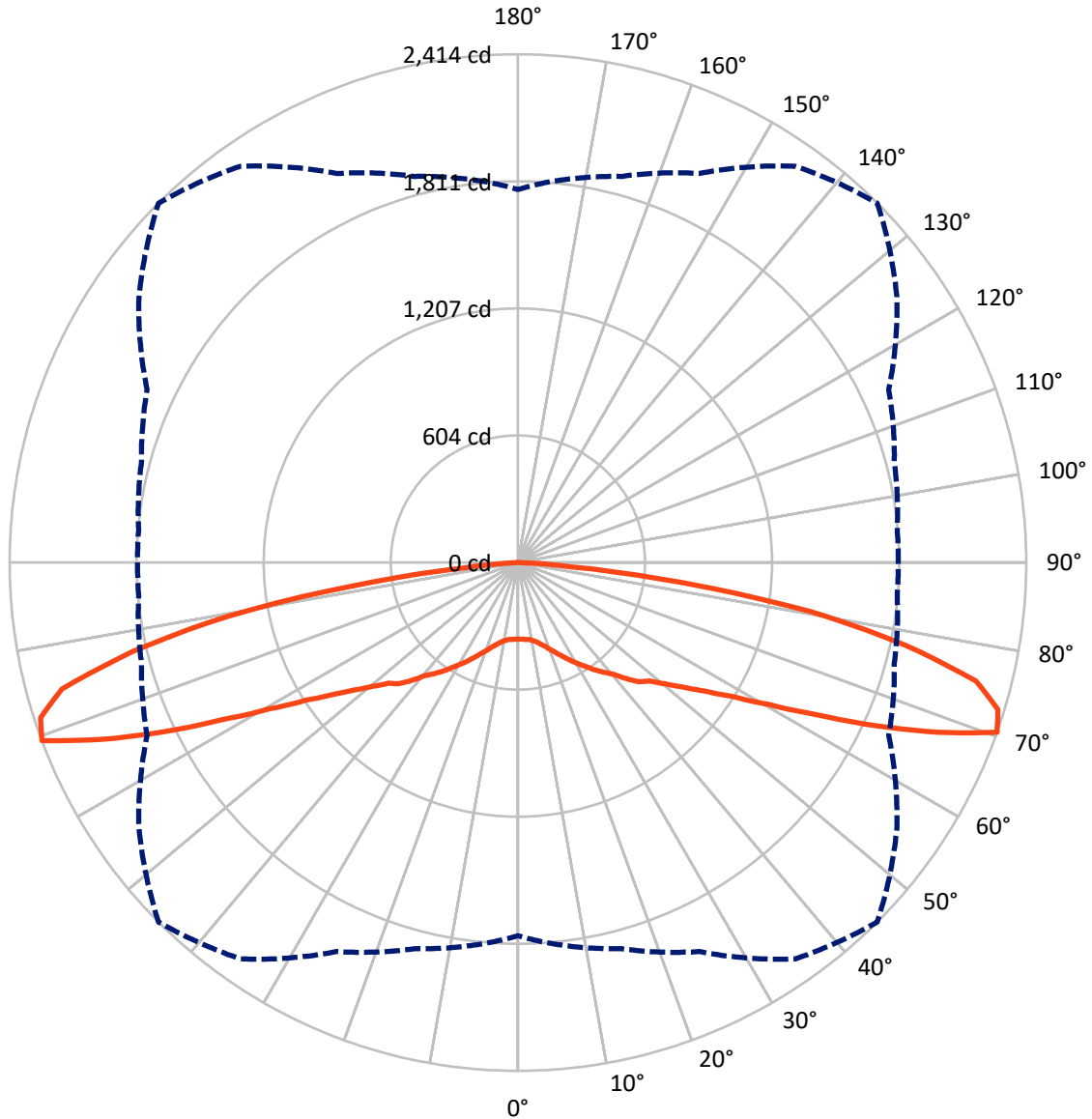
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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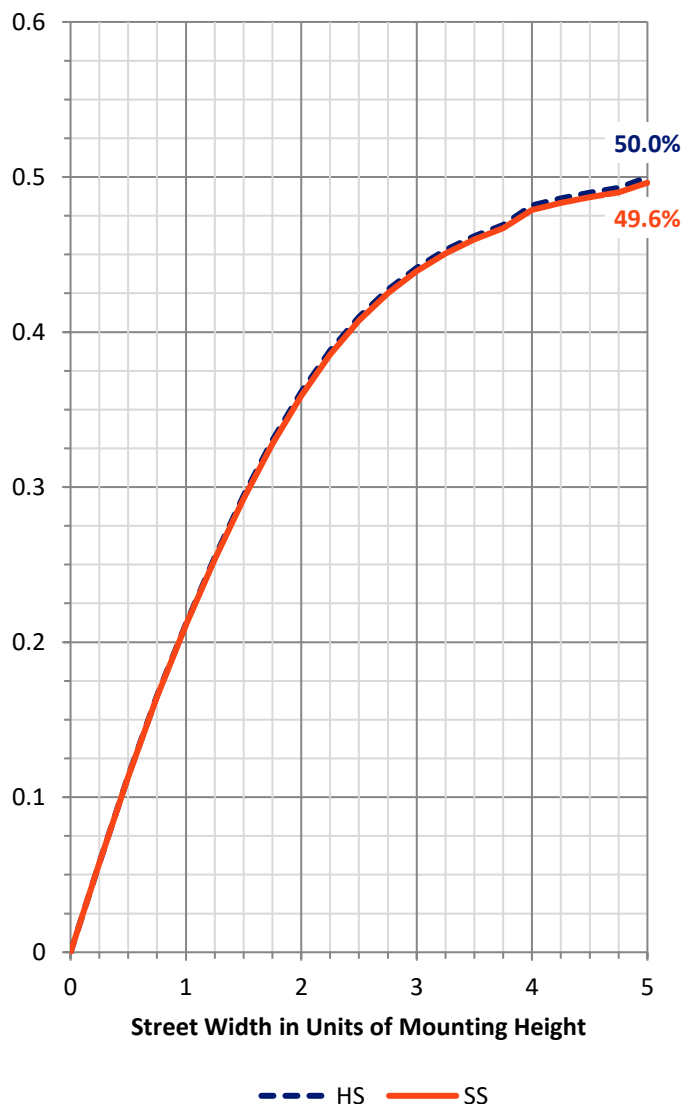
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3154.5	0.0	3154.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3154.5	0.0	3154.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6309.0	0.0	6309.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.2	0.6
10°-20°	113.9	1.8
20°-30°	225.9	3.6
30°-40°	393.2	6.2
40°-50°	644.1	10.2
50°-60°	1095.2	17.4
60°-70°	1820.6	28.9
70°-80°	1698.3	26.9
80°-90°	282.5	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°	6309.0	100.0
0°-180°	6309.0	100.0

**Coefficient of Utilization**



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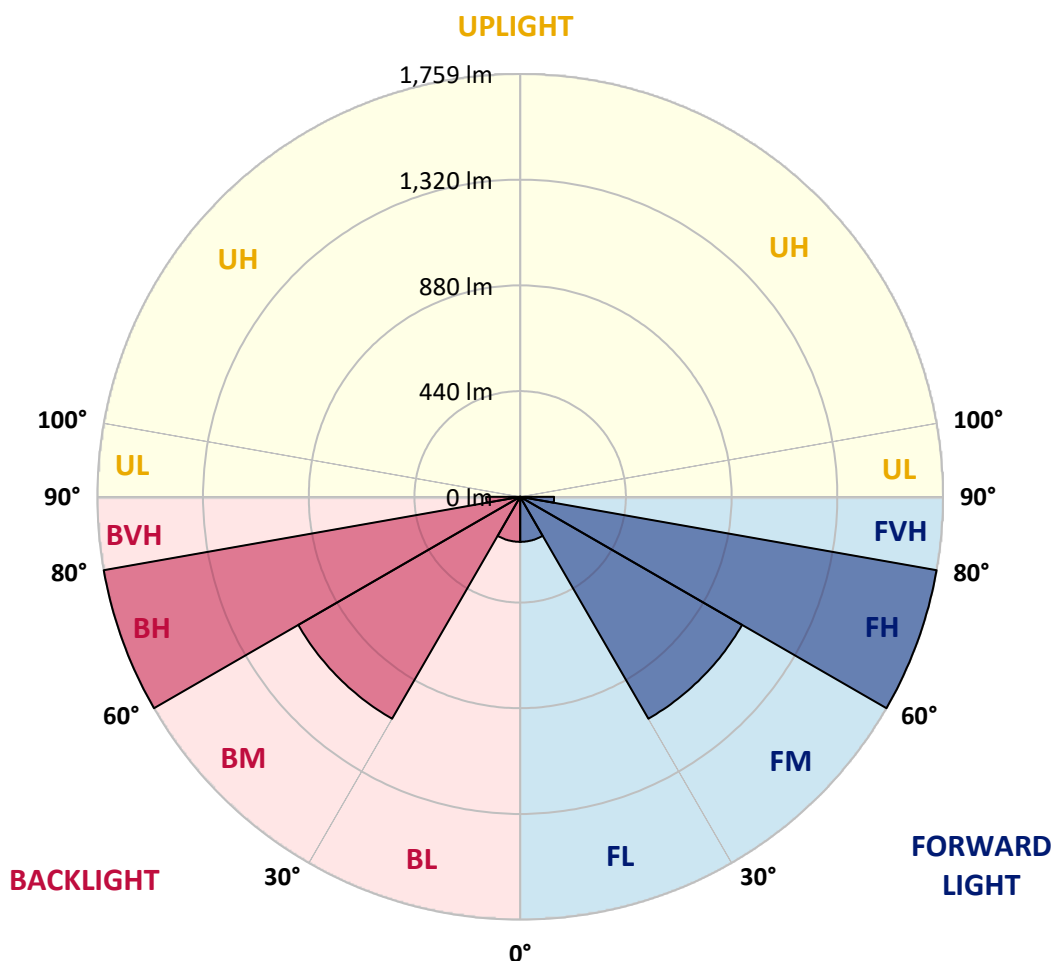
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.5	3.0			
FM (30°-60°)	1066.3	16.9			
FH (60°-80°)	1759.5	27.9			G1/1800
FVH (80°-90°)	141.3	2.2			G2/225
BL (0°-30°)	187.5	3.0	B1/500		
BM (30°-60°)	1066.3	16.9	B2/2500		
BH (60°-80°)	1759.5	27.9	B3/2500		G1/1800
BVH (80°-90°)	141.3	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°	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7
2.5°	363.7	363.7	363.7	363.7	363.7	363.7	363.7	365.4	365.4	365.4	365.4
5°	367.1	367.1	365.4	365.4	365.4	367.1	367.1	367.1	367.1	368.8	368.8
7.5°	368.8	368.8	368.8	368.8	368.8	368.8	368.8	368.8	370.5	370.5	370.5
10°	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6	375.6
12.5°	382.5	382.5	384.2	384.2	385.9	385.9	384.2	384.2	382.5	380.8	380.8
15°	394.4	394.4	396.1	397.8	401.3	401.3	399.5	397.8	394.4	392.7	392.7
17.5°	406.4	406.4	408.1	411.5	416.6	418.3	414.9	411.5	408.1	406.4	406.4
20°	423.4	425.2	426.9	430.3	438.8	442.2	437.1	430.3	428.6	428.6	428.6
22.5°	449.1	449.1	449.1	454.2	461.0	466.1	459.3	455.9	452.5	452.5	452.5
25°	476.4	476.4	476.4	478.1	488.3	493.5	486.6	481.5	479.8	481.5	481.5
27.5°	507.1	507.1	507.1	507.1	515.6	524.2	515.6	510.5	512.2	512.2	512.2
30°	539.6	539.6	541.3	541.3	544.7	554.9	546.4	544.7	546.4	548.1	548.1
32.5°	577.1	578.8	577.1	577.1	580.5	587.4	582.2	582.2	585.7	589.1	589.1
35°	616.4	616.4	616.4	616.4	618.1	624.9	621.5	621.5	626.6	631.8	631.8
37.5°	659.1	660.8	655.7	654.0	657.4	660.8	659.1	662.5	671.0	677.9	679.6
40°	705.2	705.2	700.1	694.9	694.9	696.6	700.1	706.9	718.8	727.4	729.1
42.5°	763.2	768.4	759.8	753.0	749.6	753.0	756.4	768.4	780.3	787.1	787.1
45°	840.1	841.8	831.5	819.6	811.0	807.6	812.7	824.7	838.4	852.0	852.0
47.5°	934.0	930.6	908.4	872.5	846.9	840.1	848.6	875.9	908.4	928.9	932.3
50°	1051.8	1048.4	1014.2	961.3	915.2	904.9	910.1	951.0	998.9	1029.6	1034.7
52.5°	1191.8	1183.3	1145.7	1075.7	1005.7	981.8	993.7	1048.4	1109.8	1149.1	1154.2
55°	1335.2	1330.1	1290.8	1212.3	1123.5	1079.1	1094.5	1167.9	1244.7	1285.7	1289.1
57.5°	1475.2	1476.9	1441.1	1369.4	1265.2	1200.3	1220.8	1307.9	1395.0	1436.0	1436.0
60°	1608.4	1606.7	1581.1	1524.8	1444.5	1369.4	1395.0	1466.7	1543.5	1581.1	1584.5
62.5°	1736.5	1734.8	1726.2	1690.4	1644.3	1589.6	1591.3	1639.2	1700.6	1727.9	1733.1
65°	1902.1	1898.7	1886.7	1864.5	1871.4	1867.9	1811.6	1823.6	1881.6	1912.3	1914.1
67.5°	1914.1	1934.5	1973.8	2040.4	2136.0	2149.7	2078.0	1970.4	1941.4	1924.3	1922.6
70°	1772.3	1816.7	1898.7	2038.7	2298.2	2414.3	2197.5	1943.1	1850.9	1808.2	1806.5
72.5°	1523.0	1615.2	1722.8	1946.5	2308.5	2383.6	2209.4	1842.3	1693.8	1623.8	1613.5
75°	1179.8	1268.6	1447.9	1755.3	2171.9	2247.0	2076.3	1652.8	1461.6	1393.3	1372.8
77.5°	725.7	831.5	1021.1	1372.8	1797.9	1874.8	1738.2	1318.2	1113.3	1005.7	1010.8
80°	353.4	457.6	616.4	927.1	1292.5	1405.2	1195.2	850.3	677.9	602.7	595.9
82.5°	153.7	208.3	297.1	464.4	734.2	785.4	607.9	420.0	334.7	298.8	295.4
85°	22.2	30.7	76.8	138.3	222.0	249.3	143.4	87.1	66.6	59.8	54.6
87.5°	15.4	15.4	15.4	17.1	20.5	22.2	18.8	17.1	15.4	15.4	15.4
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)