

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: P507542

Luminaire Tested: **VERD-S-CA1-40-730-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507542  
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-CA1-40-730-U-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 3000K, 760mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6246 lumens  
Efficiency: N/A  
Efficacy: 143.9 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): 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

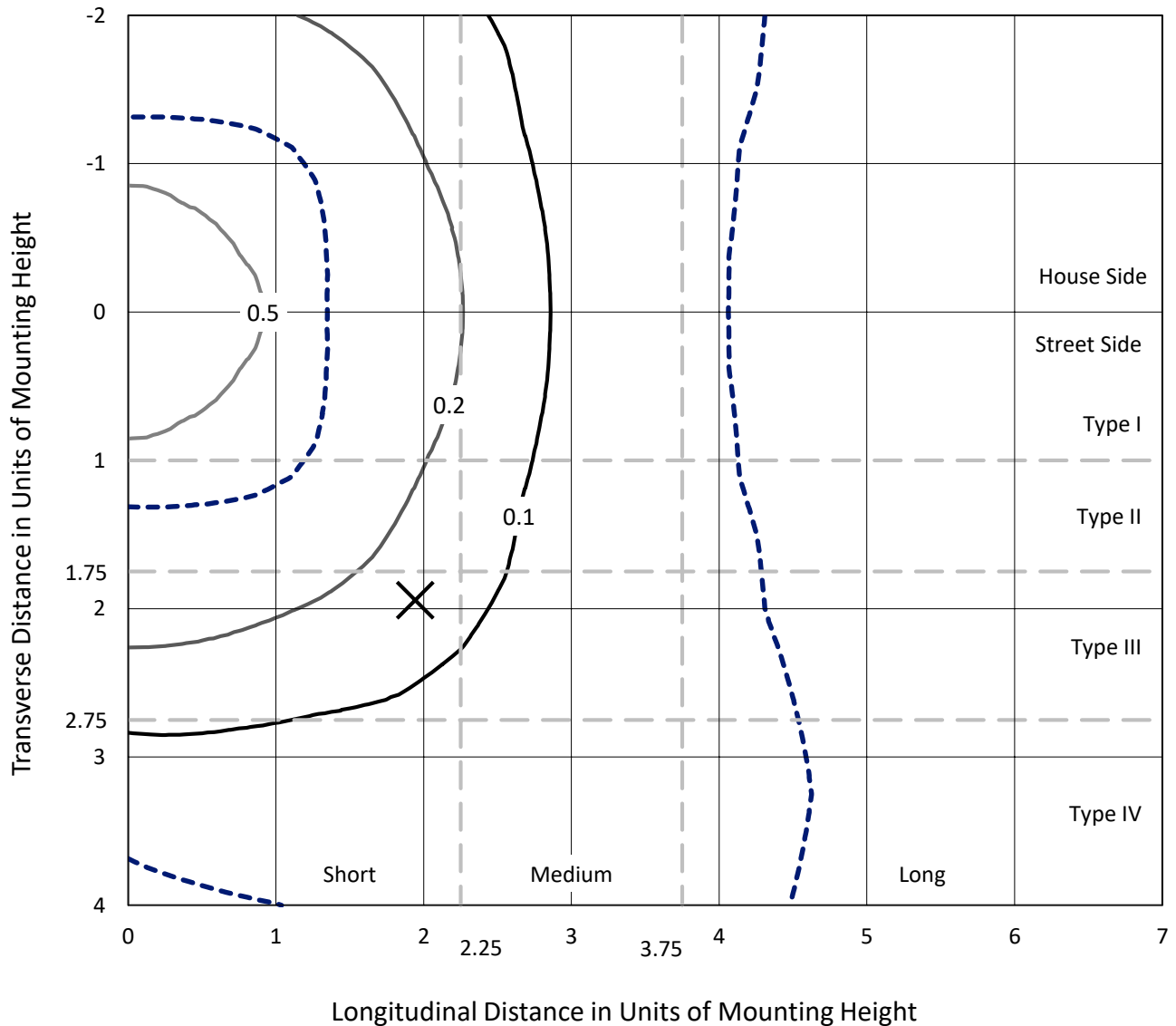


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### Iso-Footcandle Lines of Horizontal Illumination

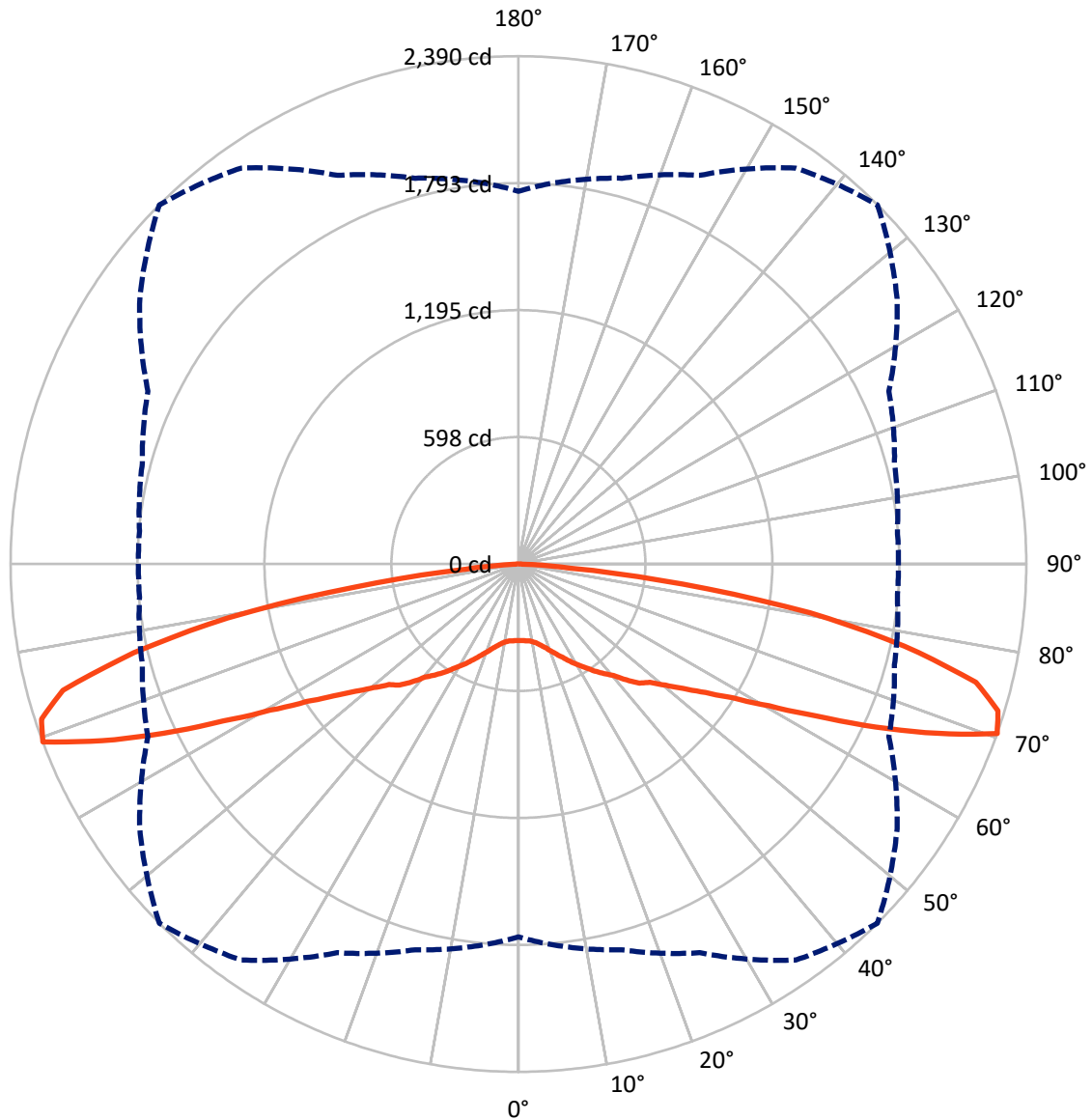
✕ Max cd  
 - - - 1/2 Max cd



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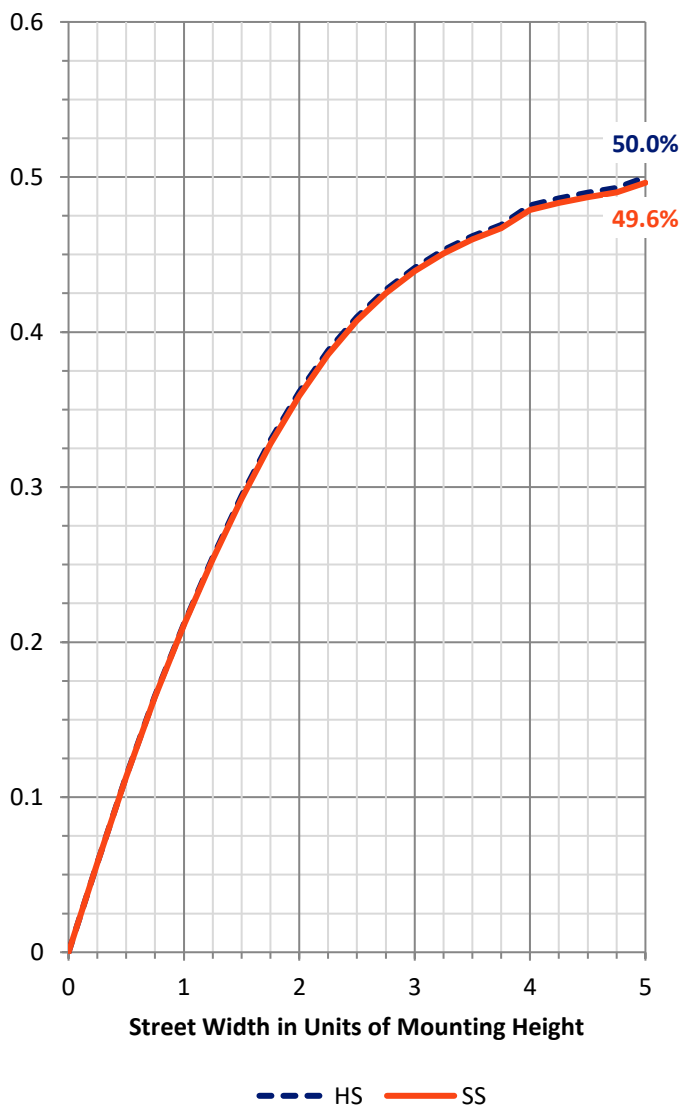
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3123.0	0.0	3123.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3123.0	0.0	3123.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6246.0	0.0	6246.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.9	0.6
10°-20°	112.8	1.8
20°-30°	223.6	3.6
30°-40°	389.2	6.2
40°-50°	637.7	10.2
50°-60°	1084.3	17.4
60°-70°	1802.4	28.9
70°-80°	1681.4	26.9
80°-90°	279.7	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°	6246.0	100.0
0°-180°	6246.0	100.0

**Coefficient of Utilization**



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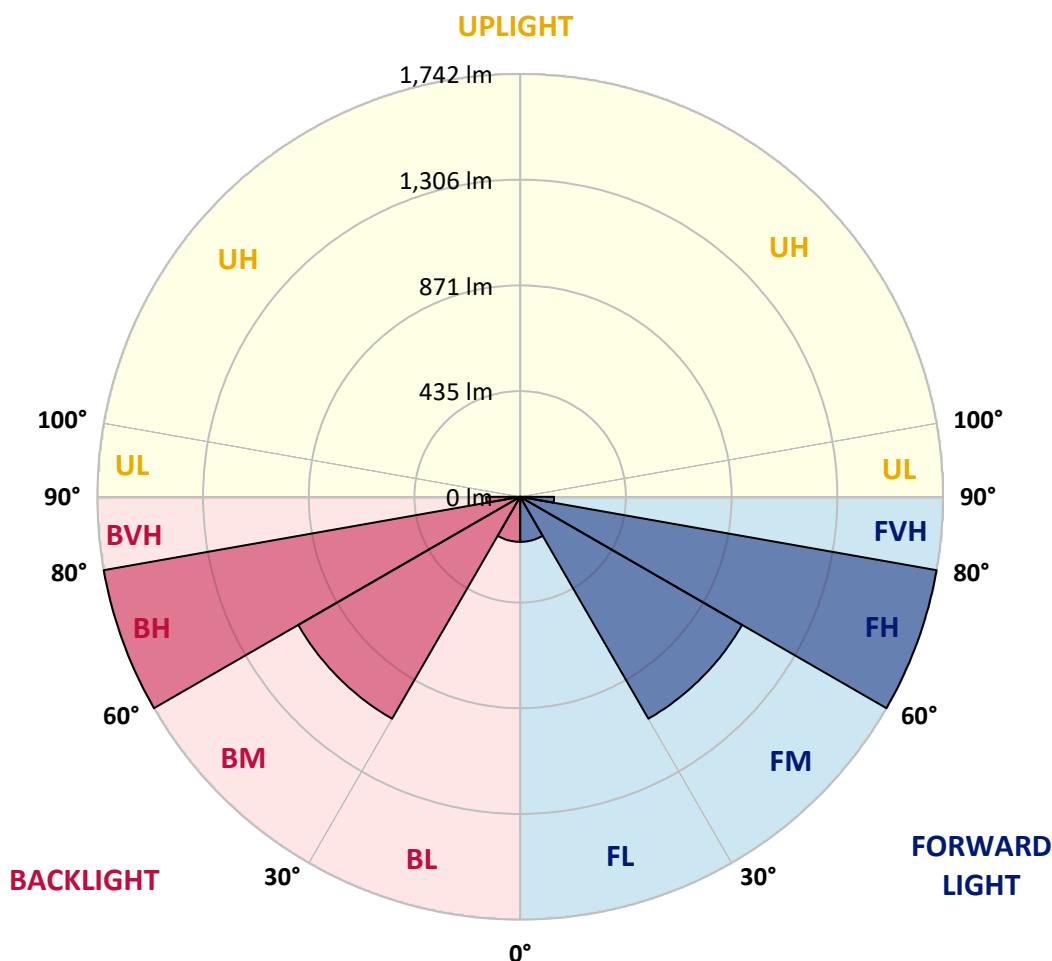
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.7	3.0			
FM (30°-60°)	1055.6	16.9			
FH (60°-80°)	1741.9	27.9			G1/1800
FVH (80°-90°)	139.8	2.2			G2/225
BL (0°-30°)	185.7	3.0	B1/500		
BM (30°-60°)	1055.6	16.9	B2/2500		
BH (60°-80°)	1741.9	27.9	B3/2500		G1/1800
BVH (80°-90°)	139.8	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°	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1
2.5°	360.1	360.1	360.1	360.1	360.1	360.1	360.1	361.7	361.7	361.7	361.7
5°	363.4	363.4	361.7	361.7	361.7	363.4	363.4	363.4	363.4	365.1	365.1
7.5°	365.1	365.1	365.1	365.1	365.1	365.1	365.1	365.1	366.8	366.8	366.8
10°	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9
12.5°	378.6	378.6	380.3	380.3	382.0	382.0	380.3	380.3	378.6	377.0	377.0
15°	390.5	390.5	392.2	393.9	397.2	397.2	395.6	393.9	390.5	388.8	388.8
17.5°	402.3	402.3	404.0	407.4	412.5	414.1	410.8	407.4	404.0	402.3	402.3
20°	419.2	420.9	422.6	426.0	434.4	437.8	432.7	426.0	424.3	424.3	424.3
22.5°	444.6	444.6	444.6	449.6	456.4	461.5	454.7	451.3	448.0	448.0	448.0
25°	471.6	471.6	471.6	473.3	483.5	488.5	481.8	476.7	475.0	476.7	476.7
27.5°	502.0	502.0	502.0	502.0	510.5	519.0	510.5	505.4	507.1	507.1	507.1
30°	534.2	534.2	535.9	535.9	539.2	549.4	540.9	539.2	540.9	542.6	542.6
32.5°	571.4	573.0	571.4	571.4	574.7	581.5	576.4	576.4	579.8	583.2	583.2
35°	610.2	610.2	610.2	610.2	611.9	618.7	615.3	615.3	620.4	625.4	625.4
37.5°	652.5	654.2	649.1	647.4	650.8	654.2	652.5	655.9	664.3	671.1	672.8
40°	698.1	698.1	693.1	688.0	688.0	689.7	693.1	699.8	711.7	720.1	721.8
42.5°	755.6	760.7	752.2	745.5	742.1	745.5	748.8	760.7	772.5	779.3	779.3
45°	831.7	833.4	823.2	811.4	802.9	799.6	804.6	816.5	830.0	843.5	843.5
47.5°	924.6	921.3	899.3	863.8	838.4	831.7	840.1	867.2	899.3	919.6	923.0
50°	1041.3	1037.9	1004.1	951.7	906.1	895.9	901.0	941.6	988.9	1019.3	1024.4
52.5°	1179.9	1171.4	1134.3	1065.0	995.6	972.0	983.8	1037.9	1098.8	1137.6	1142.7
55°	1321.9	1316.8	1277.9	1200.2	1112.3	1068.3	1083.5	1156.2	1232.3	1272.9	1276.3
57.5°	1460.5	1462.2	1426.7	1355.7	1252.6	1188.4	1208.6	1294.8	1381.1	1421.6	1421.6
60°	1592.4	1590.7	1565.3	1509.5	1430.1	1355.7	1381.1	1452.1	1528.1	1565.3	1568.7
62.5°	1719.1	1717.4	1709.0	1673.5	1627.9	1573.8	1575.5	1622.8	1683.6	1710.7	1715.8
65°	1883.1	1879.7	1867.9	1845.9	1852.7	1849.3	1793.5	1805.3	1862.8	1893.2	1894.9
67.5°	1894.9	1915.2	1954.1	2020.0	2114.7	2128.2	2057.2	1950.7	1922.0	1905.1	1903.4
70°	1754.6	1798.6	1879.7	2018.3	2275.3	2390.2	2175.5	1923.7	1832.4	1790.1	1788.4
72.5°	1507.8	1599.1	1705.6	1927.1	2285.4	2359.8	2187.4	1823.9	1676.9	1607.6	1597.4
75°	1168.1	1256.0	1433.5	1737.7	2150.2	2224.6	2055.5	1636.3	1447.0	1379.4	1359.1
77.5°	718.4	823.2	1010.9	1359.1	1780.0	1856.1	1720.8	1305.0	1102.1	995.6	1000.7
80°	349.9	453.0	610.2	917.9	1279.6	1391.2	1183.3	841.8	671.1	596.7	589.9
82.5°	152.1	206.2	294.1	459.8	726.9	777.6	601.8	415.8	331.3	295.8	292.4
85°	22.0	30.4	76.1	136.9	219.8	246.8	142.0	86.2	65.9	59.2	54.1
87.5°	15.2	15.2	15.2	16.9	20.3	22.0	18.6	16.9	15.2	15.2	15.2
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)