

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: P507670

Luminaire Tested: **VERD-S-CA1-70-722-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507670  
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-CA1-70-722-U-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 1330mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8388 lumens  
Efficiency: N/A  
Efficacy: 114.1 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): 73.5  
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

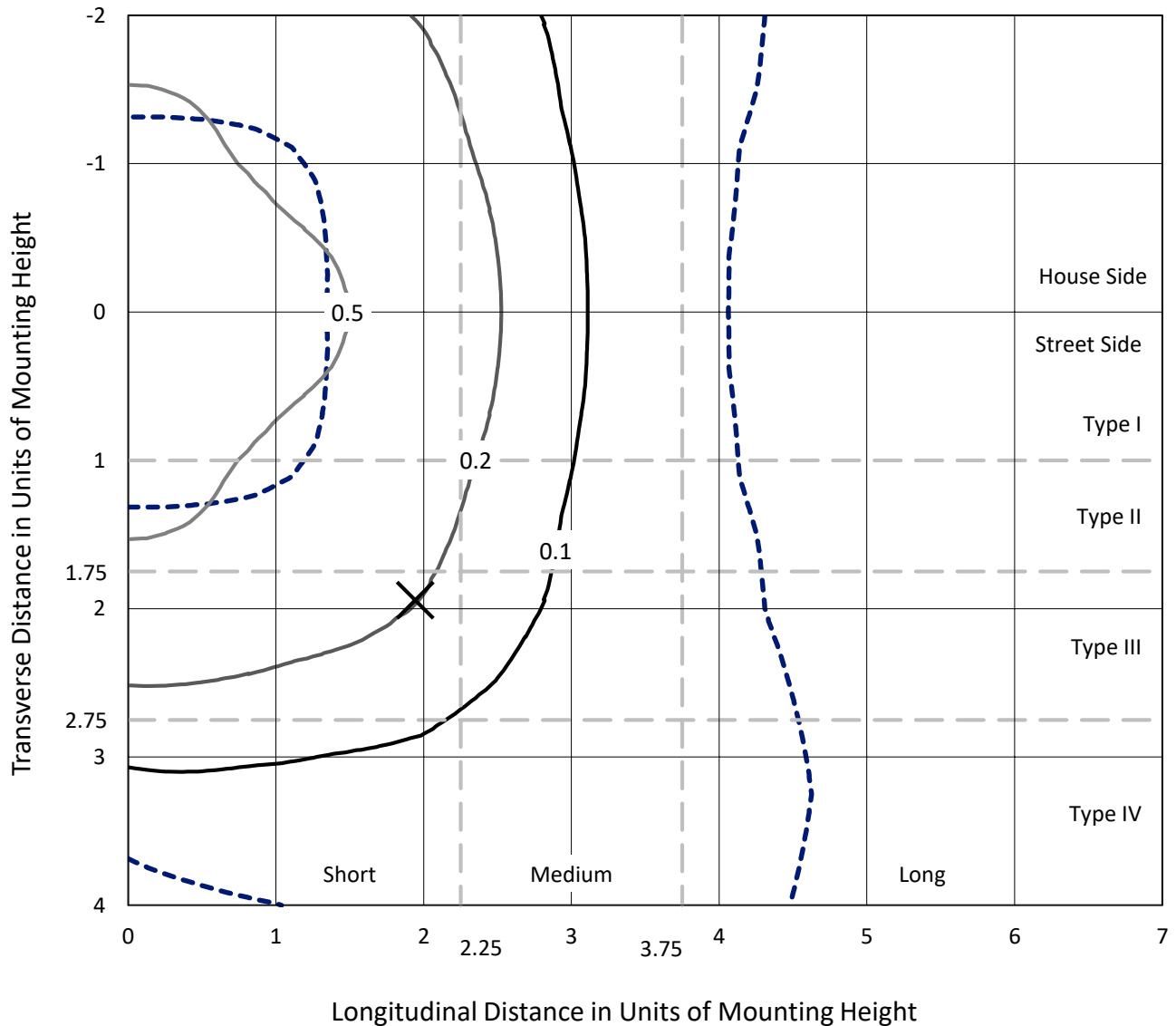


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### Iso-Footcandle Lines of Horizontal Illumination

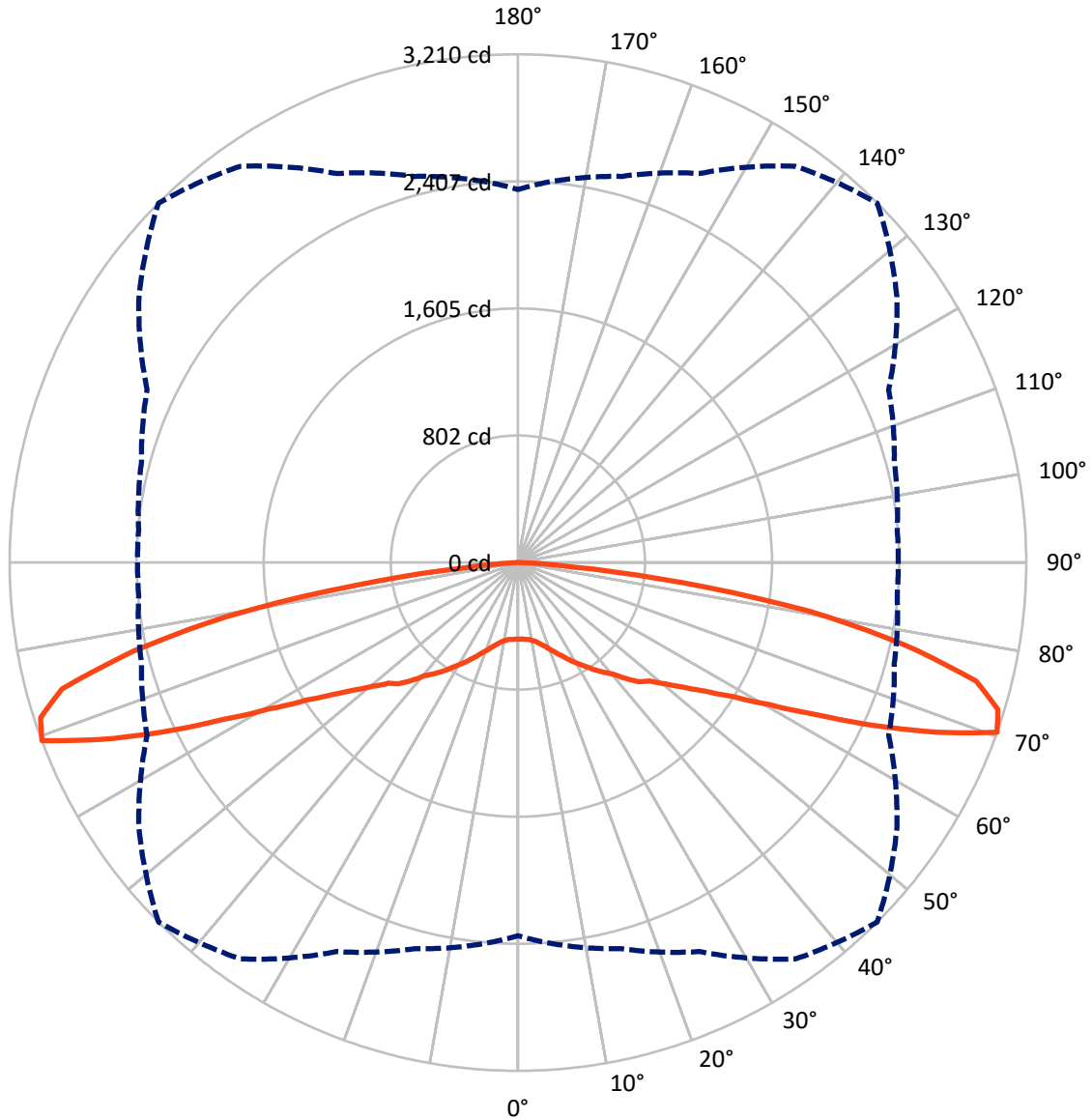
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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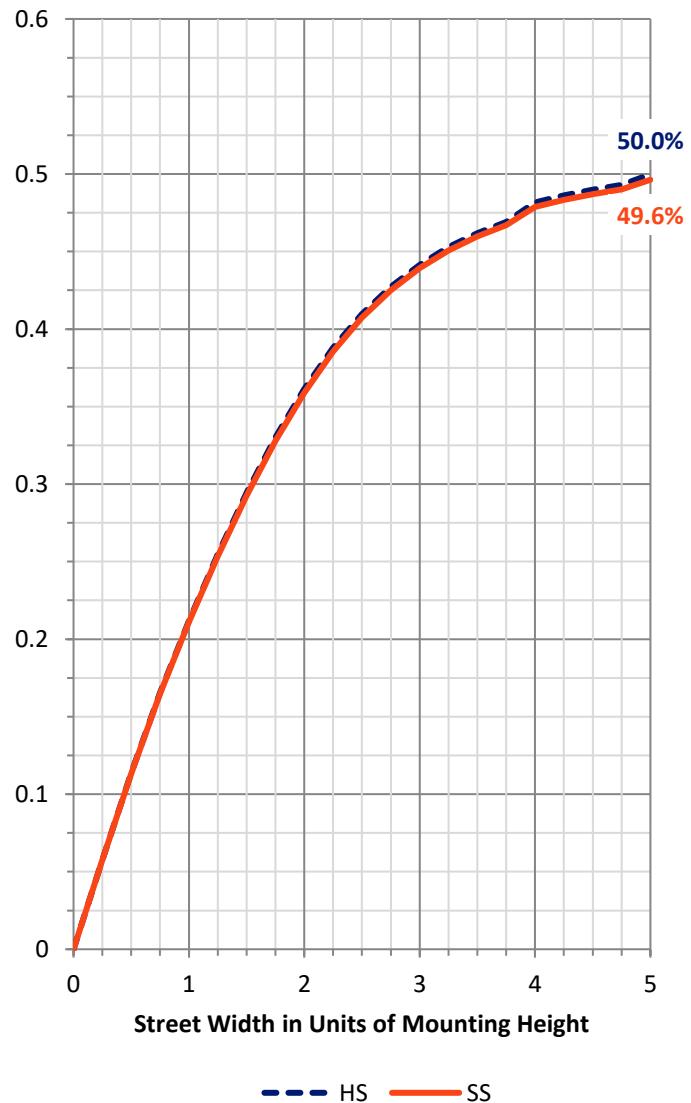
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4194.0	0.0	4194.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4194.0	0.0	4194.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8388.0	0.0	8388.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.9	0.6
10°-20°	151.5	1.8
20°-30°	300.4	3.6
30°-40°	522.7	6.2
40°-50°	856.4	10.2
50°-60°	1456.1	17.4
60°-70°	2420.6	28.9
70°-80°	2258.0	26.9
80°-90°	375.6	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°	8388.0	100.0
0°-180°	8388.0	100.0



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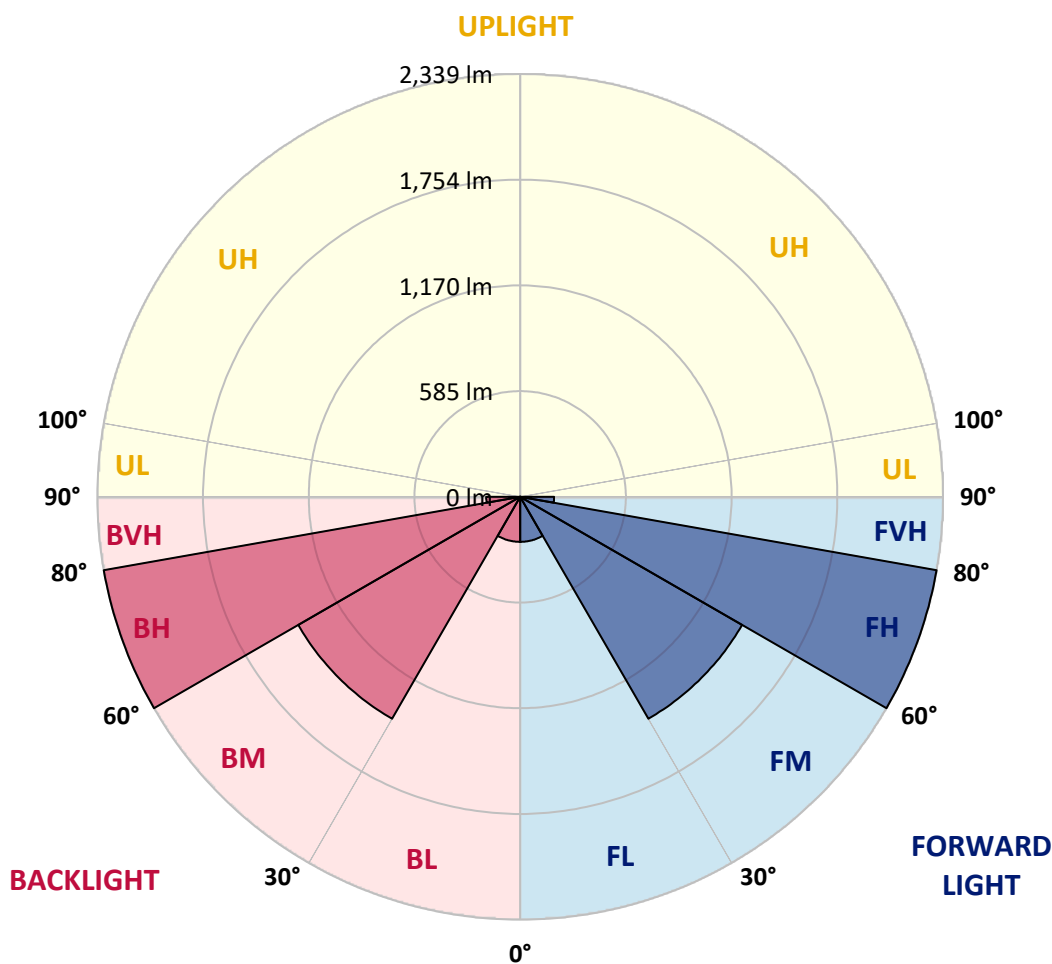
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.3	3.0			
FM (30°-60°)	1417.6	16.9			
FH (60°-80°)	2339.3	27.9			G2/5000
FVH (80°-90°)	187.8	2.2			G2/225
BL (0°-30°)	249.3	3.0	B1/500		
BM (30°-60°)	1417.6	16.9	B2/2500		
BH (60°-80°)	2339.3	27.9	B3/2500		G2/5000
BVH (80°-90°)	187.8	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°	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5
2.5°	483.5	483.5	483.5	483.5	483.5	483.5	483.5	485.8	485.8	485.8	485.8
5°	488.1	488.1	485.8	485.8	485.8	488.1	488.1	488.1	488.1	490.3	490.3
7.5°	490.3	490.3	490.3	490.3	490.3	490.3	490.3	490.3	492.6	492.6	492.6
10°	499.4	499.4	499.4	499.4	499.4	499.4	499.4	499.4	499.4	499.4	499.4
12.5°	508.5	508.5	510.8	510.8	513.0	513.0	510.8	510.8	508.5	506.2	506.2
15°	524.4	524.4	526.7	528.9	533.5	533.5	531.2	528.9	524.4	522.1	522.1
17.5°	540.3	540.3	542.6	547.1	553.9	556.2	551.6	547.1	542.6	540.3	540.3
20°	563.0	565.3	567.5	572.1	583.4	588.0	581.1	572.1	569.8	569.8	569.8
22.5°	597.0	597.0	597.0	603.8	612.9	619.7	610.7	606.1	601.6	601.6	601.6
25°	633.4	633.4	633.4	635.6	649.2	656.1	647.0	640.2	637.9	640.2	640.2
27.5°	674.2	674.2	674.2	674.2	685.6	696.9	685.6	678.8	681.0	681.0	681.0
30°	717.4	717.4	719.6	719.6	724.2	737.8	726.4	724.2	726.4	728.7	728.7
32.5°	767.3	769.6	767.3	767.3	771.8	780.9	774.1	774.1	778.6	783.2	783.2
35°	819.5	819.5	819.5	819.5	821.8	830.9	826.3	826.3	833.1	839.9	839.9
37.5°	876.3	878.5	871.7	869.4	874.0	878.5	876.3	880.8	892.2	901.2	903.5
40°	937.6	937.6	930.7	923.9	923.9	926.2	930.7	939.8	955.7	967.1	969.3
42.5°	1014.7	1021.5	1010.2	1001.1	996.6	1001.1	1005.7	1021.5	1037.4	1046.5	1046.5
45°	1116.9	1119.2	1105.5	1089.6	1078.3	1073.8	1080.6	1096.5	1114.6	1132.8	1132.8
47.5°	1241.7	1237.2	1207.7	1160.0	1126.0	1116.9	1128.2	1164.6	1207.7	1234.9	1239.5
50°	1398.4	1393.8	1348.4	1278.1	1216.8	1203.2	1210.0	1264.4	1328.0	1368.9	1375.7
52.5°	1584.5	1573.2	1523.2	1430.2	1337.1	1305.3	1321.2	1393.8	1475.6	1527.8	1534.6
55°	1775.2	1768.4	1716.2	1611.8	1493.7	1434.7	1455.1	1552.8	1654.9	1709.4	1713.9
57.5°	1961.4	1963.6	1916.0	1820.6	1682.1	1595.9	1623.1	1738.9	1854.7	1909.2	1909.2
60°	2138.4	2136.2	2102.1	2027.2	1920.5	1820.6	1854.7	1950.0	2052.2	2102.1	2106.7
62.5°	2308.7	2306.4	2295.1	2247.4	2186.1	2113.5	2115.7	2179.3	2261.0	2297.3	2304.2
65°	2528.9	2524.4	2508.5	2479.0	2488.0	2483.5	2408.6	2424.5	2501.7	2542.5	2544.8
67.5°	2544.8	2572.0	2624.2	2712.8	2839.9	2858.1	2762.7	2619.7	2581.1	2558.4	2556.1
70°	2356.4	2415.4	2524.4	2710.5	3055.6	3209.9	2921.6	2583.4	2460.8	2404.0	2401.8
72.5°	2024.9	2147.5	2290.5	2587.9	3069.2	3169.1	2937.5	2449.4	2251.9	2158.9	2145.2
75°	1568.6	1686.7	1925.0	2333.7	2887.6	2987.5	2760.4	2197.5	1943.2	1852.4	1825.2
77.5°	964.8	1105.5	1357.5	1825.2	2390.4	2492.6	2311.0	1752.5	1480.1	1337.1	1343.9
80°	469.9	608.4	819.5	1232.7	1718.5	1868.3	1589.1	1130.5	901.2	801.3	792.3
82.5°	204.3	277.0	395.0	617.5	976.1	1044.2	808.2	558.4	444.9	397.3	392.7
85°	29.5	40.9	102.2	183.9	295.1	331.4	190.7	115.8	88.5	79.5	72.6
87.5°	20.4	20.4	20.4	22.7	27.2	29.5	25.0	22.7	20.4	20.4	20.4
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)