

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: P507718

Luminaire Tested: **VERD-S-CA1-80-722-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507718  
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-CA1-80-722-U-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 1500mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9233 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

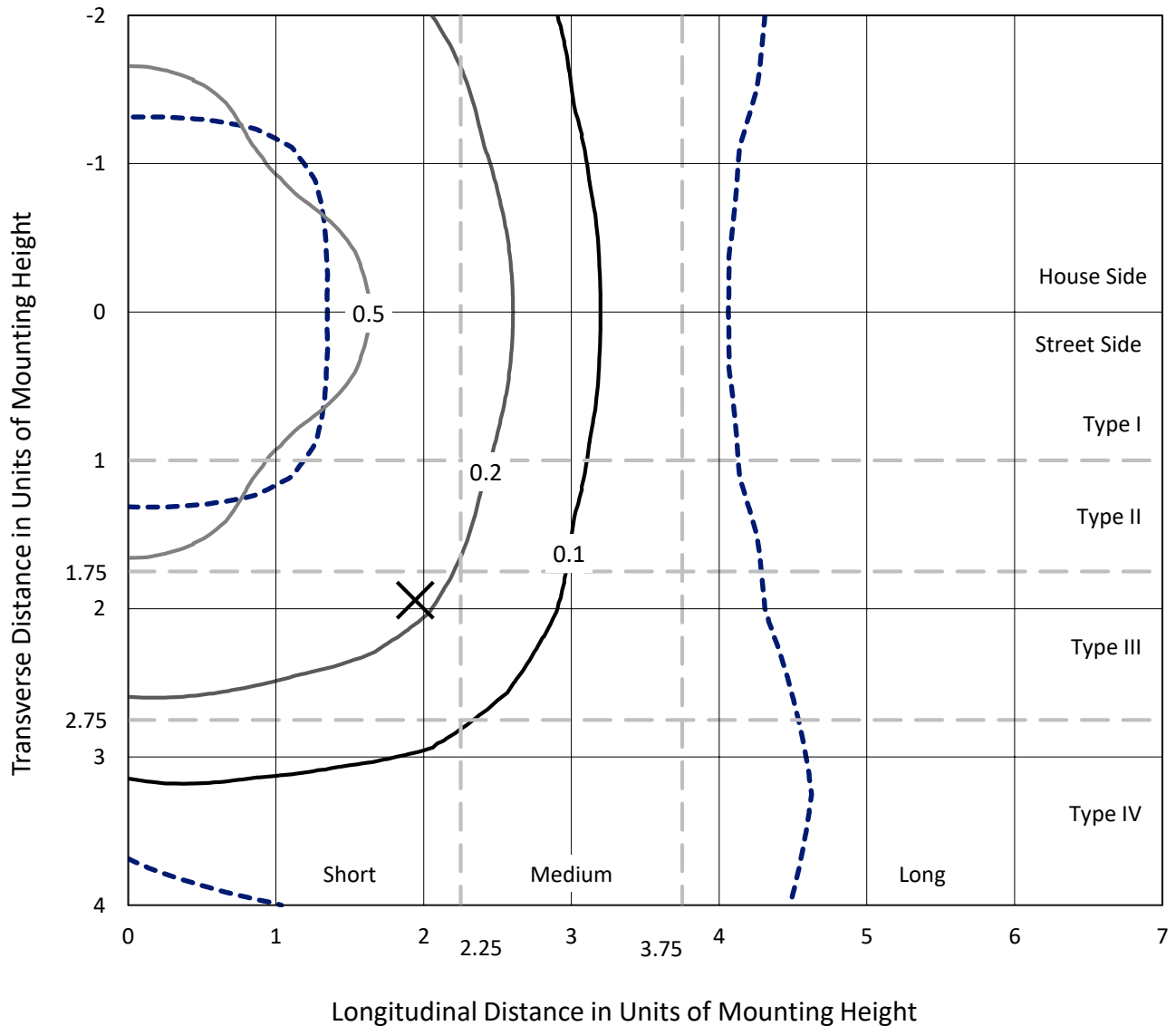
Input Watts (W): 83.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

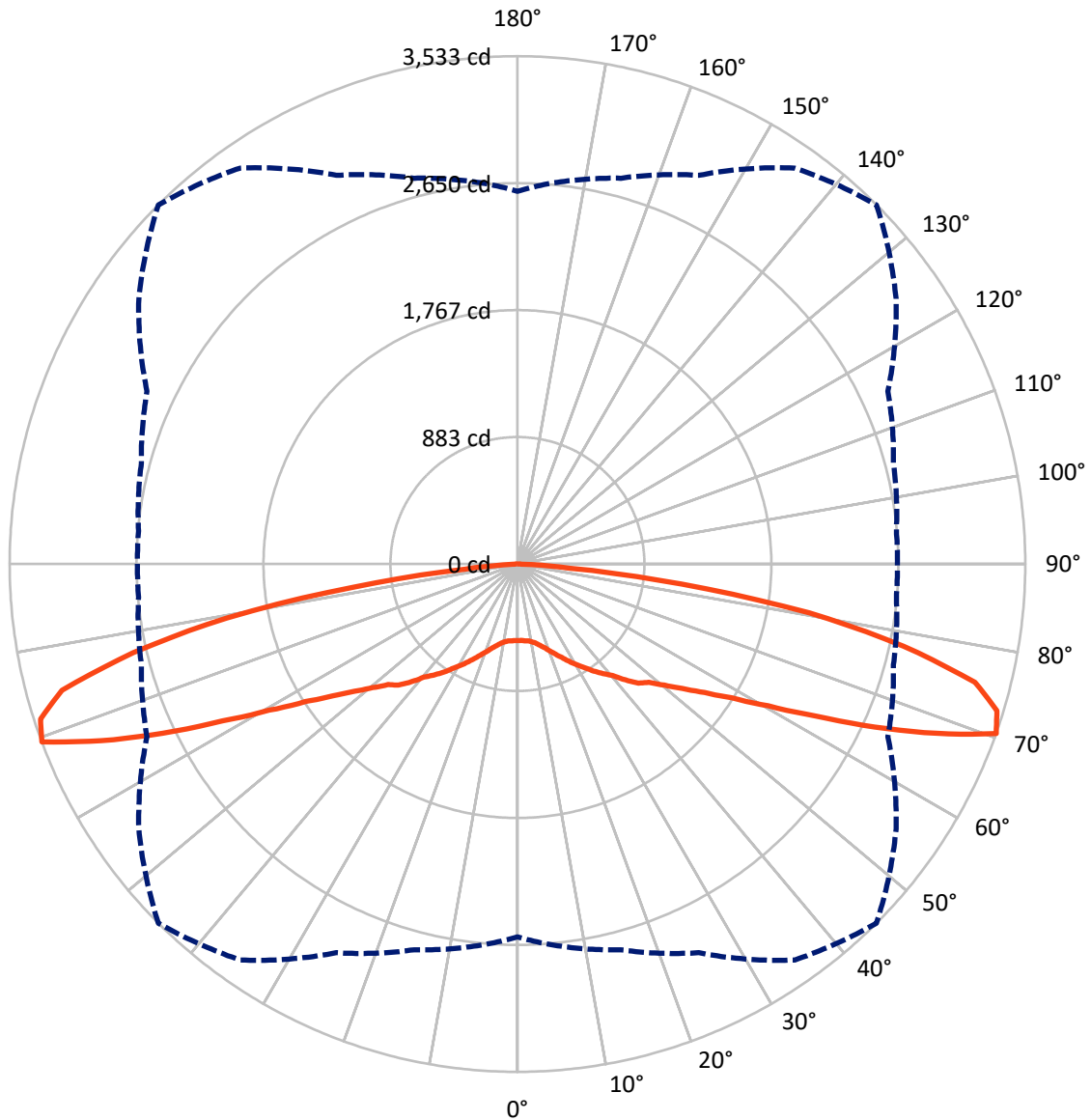
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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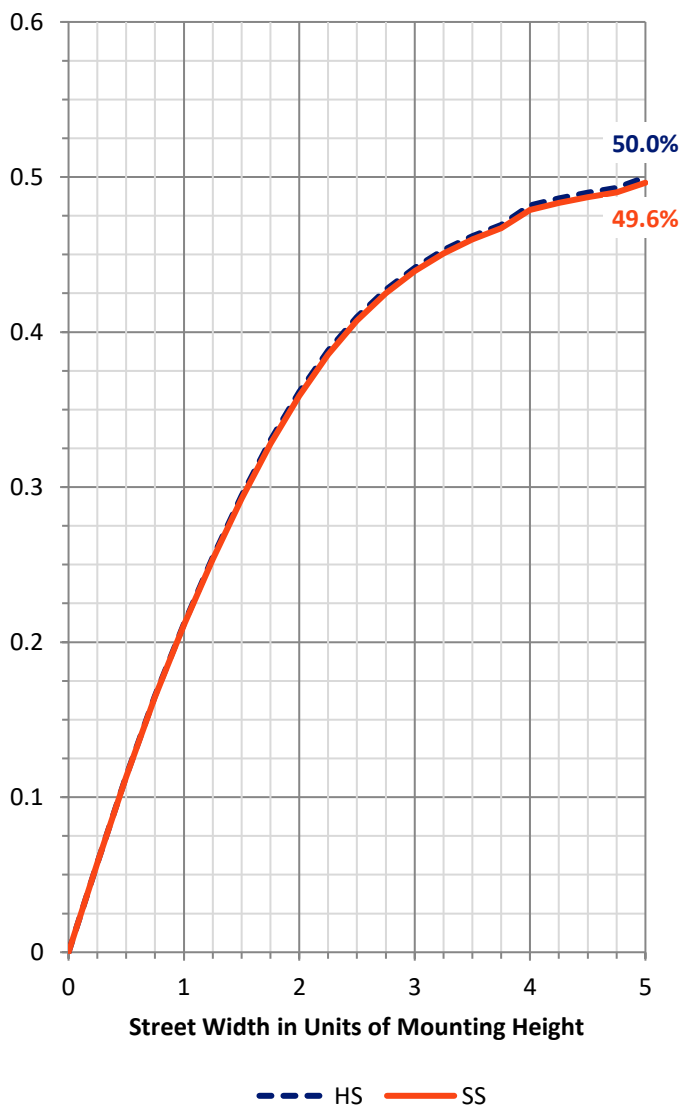
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4616.5	0.0	4616.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4616.5	0.0	4616.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9233.0	0.0	9233.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.6	0.6
10°-20°	166.7	1.8
20°-30°	330.6	3.6
30°-40°	575.4	6.2
40°-50°	942.6	10.2
50°-60°	1602.8	17.4
60°-70°	2664.4	28.9
70°-80°	2485.4	26.9
80°-90°	413.5	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°	9233.0	100.0
0°-180°	9233.0	100.0

**Coefficient of Utilization**



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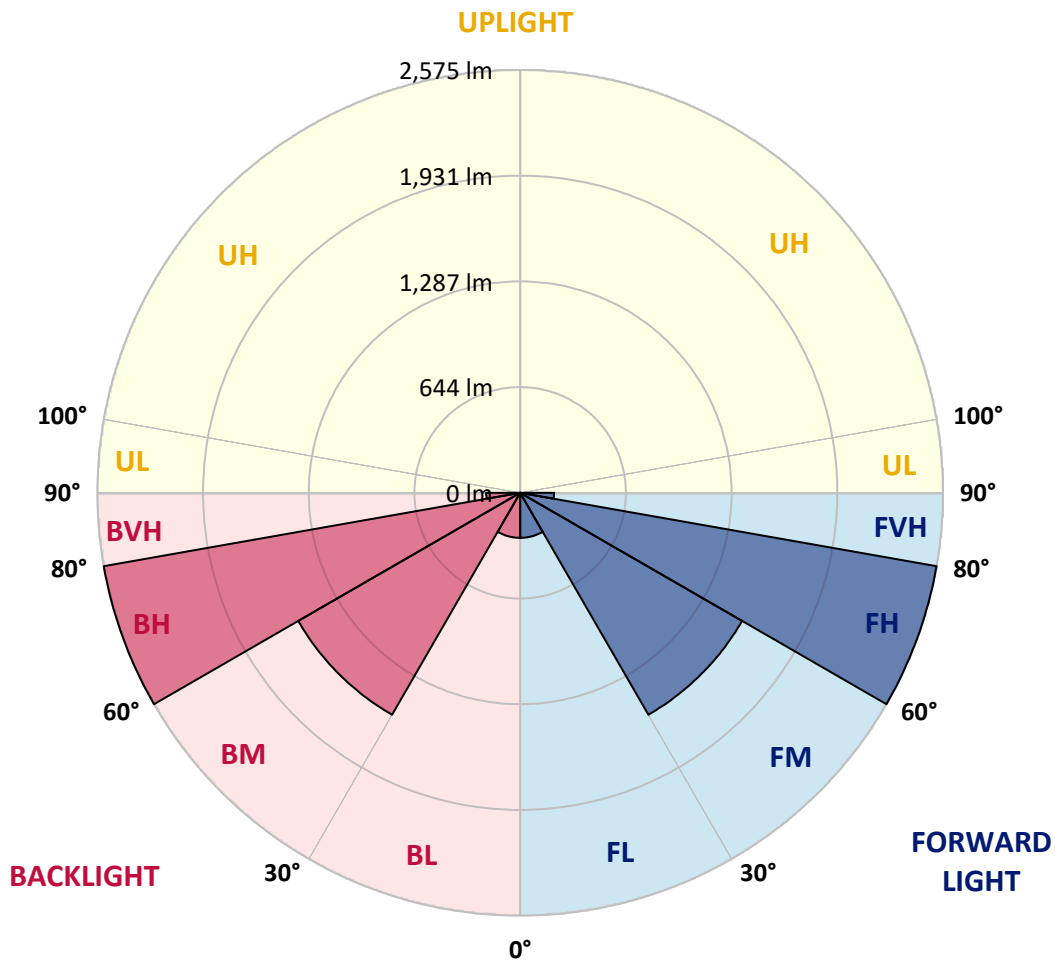
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.4	3.0			
FM (30°-60°)	1560.4	16.9			
FH (60°-80°)	2574.9	27.9			G2/5000
FVH (80°-90°)	206.7	2.2			G2/225
BL (0°-30°)	274.4	3.0	B1/500		
BM (30°-60°)	1560.4	16.9	B2/2500		
BH (60°-80°)	2574.9	27.9	B4/5000		G2/5000
BVH (80°-90°)	206.7	2.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2
2.5°	532.2	532.2	532.2	532.2	532.2	532.2	532.2	534.7	534.7	534.7	534.7
5°	537.2	537.2	534.7	534.7	534.7	537.2	537.2	537.2	537.2	539.7	539.7
7.5°	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.7	542.2	542.2	542.2
10°	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7
12.5°	559.7	559.7	562.2	562.2	564.7	564.7	562.2	562.2	559.7	557.2	557.2
15°	577.2	577.2	579.7	582.2	582.2	587.2	584.7	582.2	577.2	574.7	574.7
17.5°	594.7	594.7	597.2	602.2	609.7	612.2	607.2	602.2	597.2	594.7	594.7
20°	619.7	622.2	624.7	629.7	642.2	647.2	639.7	629.7	627.2	627.2	627.2
22.5°	657.2	657.2	657.2	664.7	674.7	682.2	672.2	667.2	662.2	662.2	662.2
25°	697.2	697.2	697.2	699.7	714.7	722.2	712.2	704.7	702.2	704.7	704.7
27.5°	742.1	742.1	742.1	742.1	754.6	767.1	754.6	747.1	749.6	749.6	749.6
30°	789.6	789.6	792.1	792.1	797.1	812.1	799.6	797.1	799.6	802.1	802.1
32.5°	844.6	847.1	844.6	844.6	849.6	859.6	852.1	852.1	857.1	862.1	862.1
35°	902.1	902.1	902.1	902.1	904.6	914.6	909.6	909.6	917.1	924.6	924.6
37.5°	964.5	967.0	959.5	957.0	962.0	967.0	964.5	969.5	982.0	992.0	994.5
40°	1032.0	1032.0	1024.5	1017.0	1017.0	1019.5	1024.5	1034.5	1052.0	1064.5	1067.0
42.5°	1117.0	1124.5	1112.0	1102.0	1097.0	1102.0	1107.0	1124.5	1141.9	1151.9	1151.9
45°	1229.4	1231.9	1216.9	1199.4	1186.9	1181.9	1189.4	1206.9	1226.9	1246.9	1246.9
47.5°	1366.8	1361.8	1329.4	1276.9	1239.4	1229.4	1241.9	1281.9	1329.4	1359.3	1364.3
50°	1539.3	1534.3	1484.3	1406.8	1339.4	1324.4	1331.9	1391.8	1461.8	1506.8	1514.3
52.5°	1744.2	1731.7	1676.7	1574.2	1471.8	1436.8	1454.3	1534.3	1624.2	1681.7	1689.2
55°	1954.1	1946.6	1889.1	1774.1	1644.2	1579.2	1601.7	1709.2	1821.6	1881.6	1886.6
57.5°	2159.0	2161.5	2109.0	2004.0	1851.6	1756.7	1786.6	1914.1	2041.5	2101.5	2101.5
60°	2353.9	2351.4	2313.9	2231.4	2114.0	2004.0	2041.5	2146.5	2258.9	2313.9	2318.9
62.5°	2541.3	2538.8	2526.3	2473.8	2406.3	2326.4	2328.9	2398.8	2488.8	2528.8	2536.3
65°	2783.7	2778.7	2761.2	2728.7	2738.7	2733.7	2651.2	2668.7	2753.7	2798.6	2801.1
67.5°	2801.1	2831.1	2888.6	2986.1	3126.0	3146.0	3041.0	2883.6	2841.1	2816.1	2813.6
70°	2593.7	2658.7	2778.7	2983.6	3363.4	3533.3	3215.9	2843.6	2708.7	2646.2	2643.7
72.5°	2228.9	2363.9	2521.3	2848.6	3378.4	3488.3	3233.4	2696.2	2478.8	2376.4	2361.4
75°	1726.7	1856.6	2119.0	2568.8	3178.5	3288.4	3038.5	2418.8	2139.0	2039.0	2009.0
77.5°	1062.0	1216.9	1494.3	2009.0	2631.2	2743.7	2543.8	1929.1	1629.2	1471.8	1479.3
80°	517.2	669.7	902.1	1356.8	1891.6	2056.5	1749.2	1244.4	992.0	882.1	872.1
82.5°	224.9	304.9	434.8	679.7	1074.5	1149.4	889.6	614.7	489.8	437.3	432.3
85°	32.5	45.0	112.4	202.4	324.8	364.8	209.9	127.4	97.5	87.5	80.0
87.5°	22.5	22.5	22.5	25.0	30.0	32.5	27.5	25.0	22.5	22.5	22.5
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)