

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: P507502

Luminaire Tested: **VERD-S-CA1-30-740-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507502  
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-CA1-30-740-U-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 4000K, 590mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5009.7 lumens  
Efficiency: N/A  
Efficacy: 147.3 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

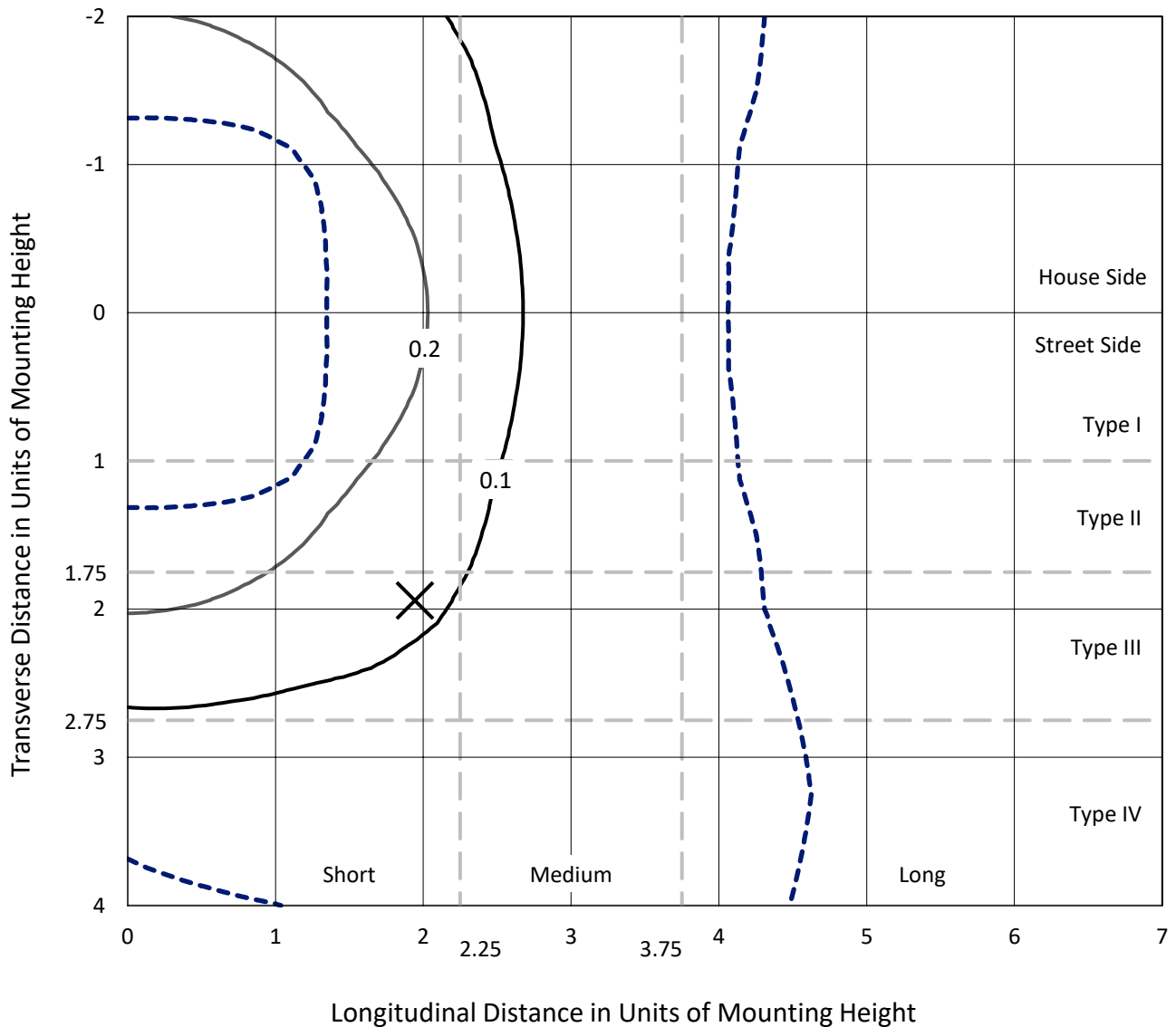
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

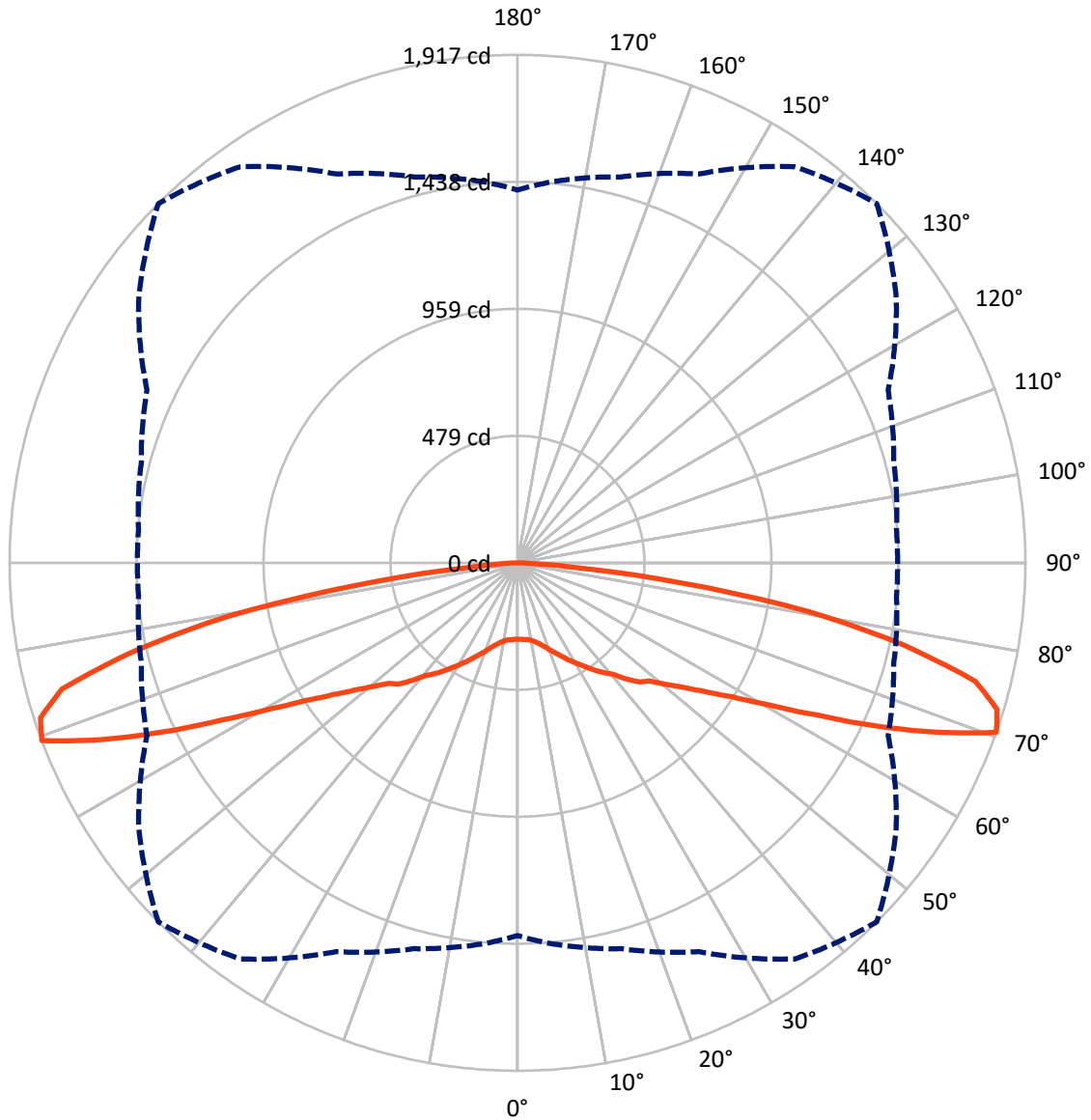
× Max cd  
 - - - 1/2 Max cd



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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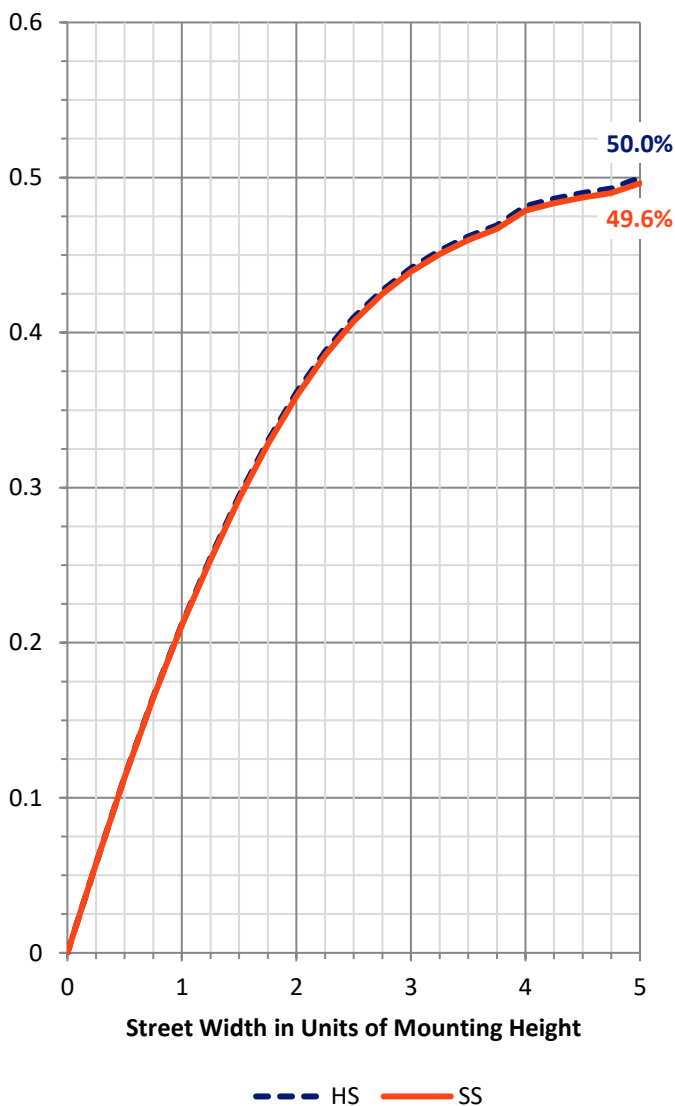
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2504.9	0.0	2504.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2504.9	0.0	2504.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5009.7	0.0	5009.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.0	0.6
10°-20°	90.5	1.8
20°-30°	179.4	3.6
30°-40°	312.2	6.2
40°-50°	511.5	10.2
50°-60°	869.7	17.4
60°-70°	1445.7	28.9
70°-80°	1348.6	26.9
80°-90°	224.3	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°	5009.7	100.0
0°-180°	5009.7	100.0

**Coefficient of Utilization**



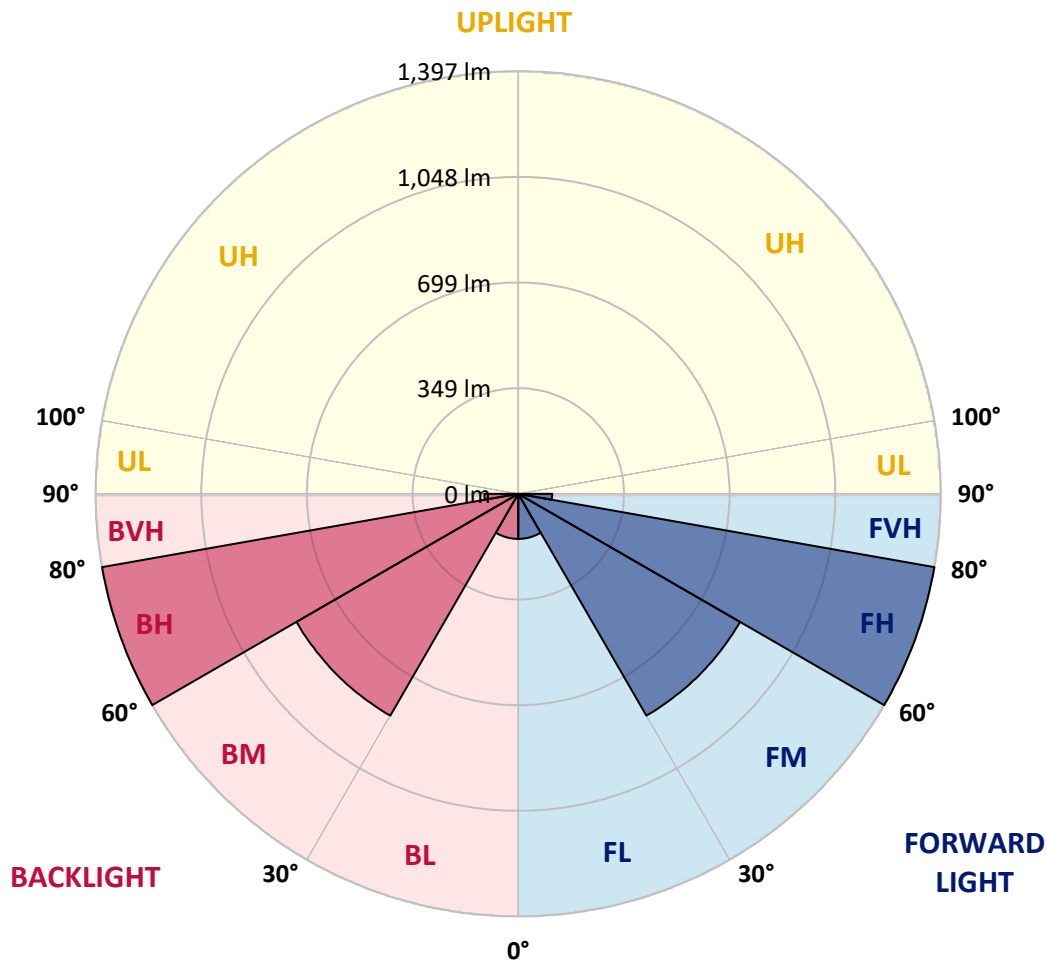
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.9	3.0			
FM (30°-60°)	846.7	16.9			
FH (60°-80°)	1397.1	27.9			G1/1800
FVH (80°-90°)	112.2	2.2			G2/225
BL (0°-30°)	148.9	3.0	B1/500		
BM (30°-60°)	846.7	16.9	B1/1000		
BH (60°-80°)	1397.1	27.9	B3/2500		G1/1800
BVH (80°-90°)	112.2	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°	288.8	288.8	288.8	288.8	288.8	288.8	288.8	288.8	288.8	288.8	288.8
2.5°	288.8	288.8	288.8	288.8	288.8	288.8	288.8	290.2	290.2	290.2	290.2
5°	291.4	291.4	290.2	290.2	290.2	291.4	291.4	291.4	291.4	292.8	292.8
7.5°	292.8	292.8	292.8	292.8	292.8	292.8	292.8	292.8	294.2	294.2	294.2
10°	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2
12.5°	303.8	303.8	305.0	305.0	306.4	306.4	305.0	305.0	303.8	302.4	302.4
15°	313.2	313.2	314.6	316.0	318.6	318.6	317.2	316.0	313.2	311.8	311.8
17.5°	322.6	322.6	324.0	326.8	330.8	332.2	329.4	326.8	324.0	322.6	322.6
20°	336.2	337.6	339.0	341.6	348.4	351.2	347.1	341.6	340.3	340.3	340.3
22.5°	356.6	356.6	356.6	360.6	366.1	370.1	364.7	362.0	359.3	359.3	359.3
25°	378.3	378.3	378.3	379.6	387.8	391.8	386.4	382.3	381.0	382.3	382.3
27.5°	402.7	402.7	402.7	402.7	409.5	416.3	409.5	405.4	406.7	406.7	406.7
30°	428.5	428.5	429.7	429.7	432.5	440.7	433.9	432.5	433.9	435.3	435.3
32.5°	458.3	459.7	458.3	458.3	460.9	466.5	462.3	462.3	465.1	467.7	467.7
35°	489.5	489.5	489.5	489.5	490.8	496.3	493.5	493.5	497.6	501.7	501.7
37.5°	523.3	524.7	520.6	519.3	522.0	524.7	523.3	526.1	532.8	538.3	539.6
40°	560.0	560.0	555.9	551.8	551.8	553.2	555.9	561.3	570.8	577.6	579.0
42.5°	606.0	610.2	603.4	598.0	595.2	598.0	600.6	610.2	619.6	625.0	625.0
45°	667.1	668.4	660.3	650.8	644.0	641.3	645.4	654.8	665.7	676.6	676.6
47.5°	741.7	738.9	721.3	692.8	672.5	667.1	673.8	695.5	721.3	737.5	740.3
50°	835.2	832.5	805.3	763.3	726.7	718.5	722.7	755.1	793.1	817.5	821.6
52.5°	946.4	939.6	909.8	854.2	798.6	779.6	789.1	832.5	881.2	912.4	916.6
55°	1060.3	1056.1	1025.0	962.6	892.2	856.9	869.0	927.4	988.4	1020.9	1023.7
57.5°	1171.4	1172.8	1144.3	1087.3	1004.7	953.2	969.4	1038.5	1107.7	1140.2	1140.2
60°	1277.2	1275.8	1255.5	1210.8	1147.0	1087.3	1107.7	1164.6	1225.6	1255.5	1258.2
62.5°	1378.9	1377.5	1370.7	1342.3	1305.7	1262.2	1263.6	1301.6	1350.3	1372.1	1376.1
65°	1510.4	1507.6	1498.2	1480.6	1486.0	1483.2	1438.5	1448.0	1494.1	1518.6	1519.8
67.5°	1519.8	1536.2	1567.3	1620.2	1696.1	1706.9	1650.1	1564.6	1541.6	1528.0	1526.6
70°	1407.3	1442.6	1507.6	1618.9	1825.0	1917.1	1744.9	1543.0	1469.7	1435.8	1434.5
72.5°	1209.4	1282.6	1368.1	1545.6	1833.0	1892.7	1754.4	1462.9	1344.9	1289.4	1281.2
75°	936.8	1007.4	1149.7	1393.7	1724.6	1784.2	1648.7	1312.4	1160.6	1106.3	1090.1
77.5°	576.2	660.3	810.8	1090.1	1427.7	1488.6	1380.3	1046.7	884.0	798.6	802.7
80°	280.6	363.4	489.5	736.2	1026.3	1115.9	949.0	675.2	538.3	478.6	473.1
82.5°	122.1	165.5	235.9	368.8	583.0	623.6	482.7	333.6	265.8	237.3	234.6
85°	17.6	24.4	61.0	109.8	176.3	197.9	113.9	69.2	52.9	47.4	43.4
87.5°	12.2	12.2	12.2	13.6	16.2	17.6	15.0	13.6	12.2	12.2	12.2
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)