

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: P507471

Luminaire Tested: **VERD-S-CA1-30-722-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507471  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-S-CA1-30-722-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 590mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4065.1 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

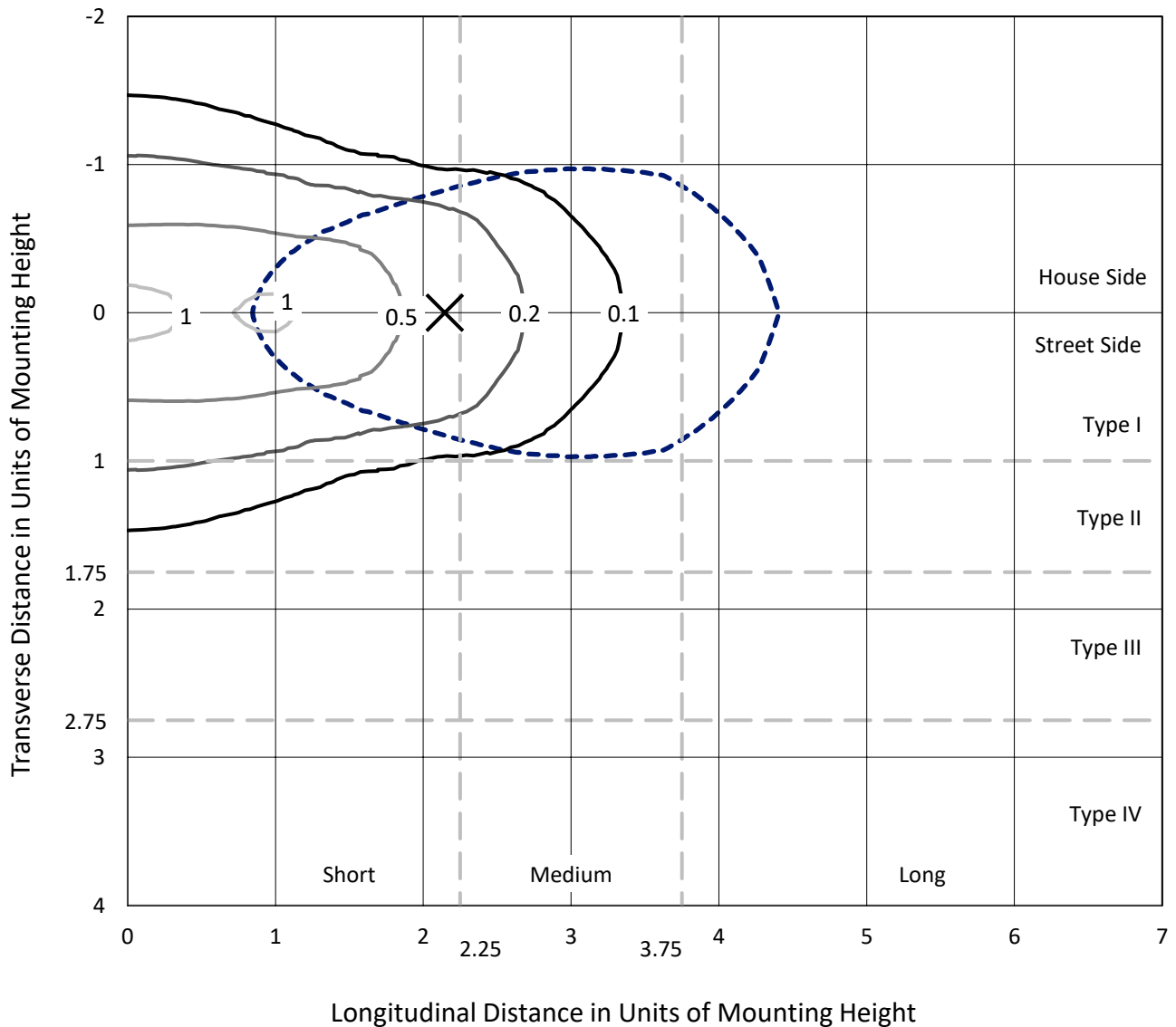
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

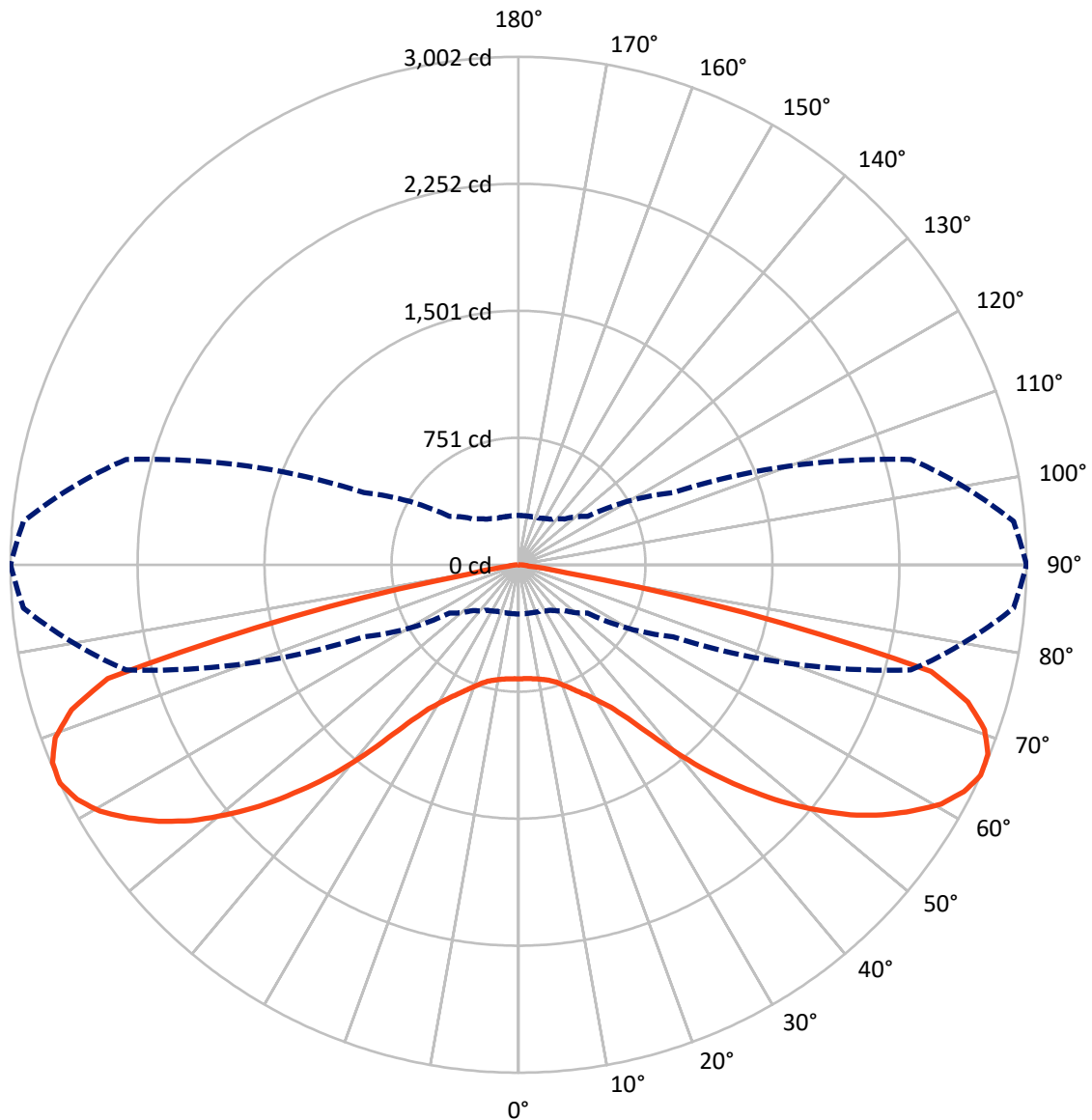
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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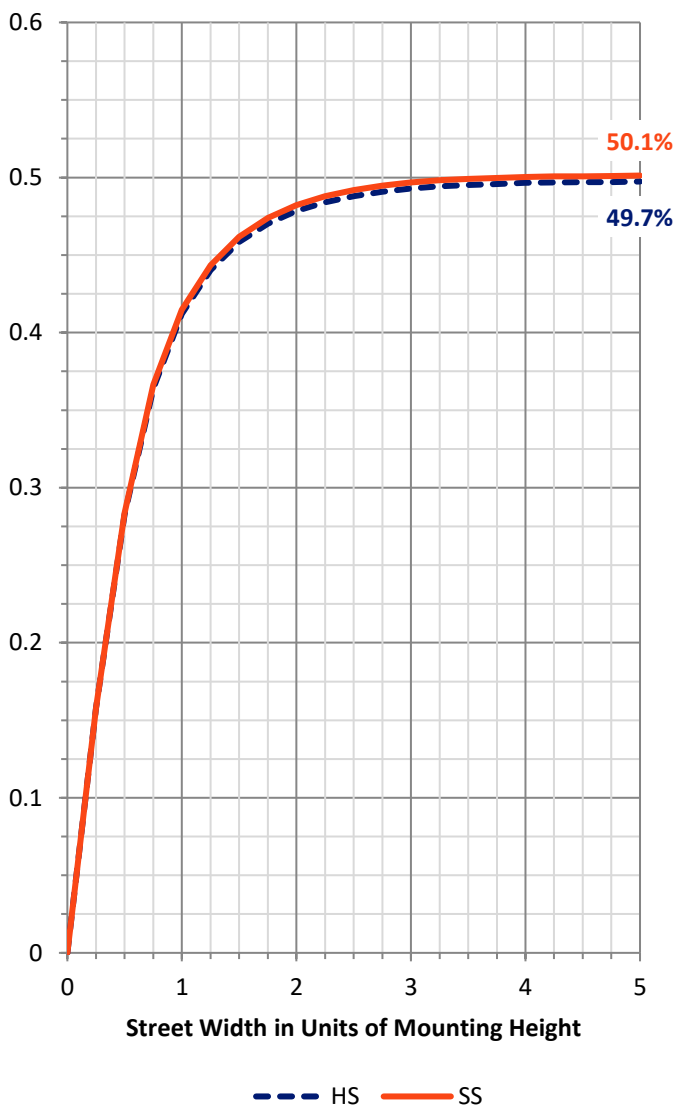
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2032.5	0.0	2032.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2032.5	0.0	2032.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4065.1	0.0	4065.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.6	1.6
10°-20°	192.8	4.7
20°-30°	319.3	7.9
30°-40°	462.1	11.4
40°-50°	669.0	16.5
50°-60°	870.7	21.4
60°-70°	919.7	22.6
70°-80°	541.3	13.3
80°-90°	25.6	0.6
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°	4065.1	100.0
0°-180°	4065.1	100.0

**Coefficient of Utilization**



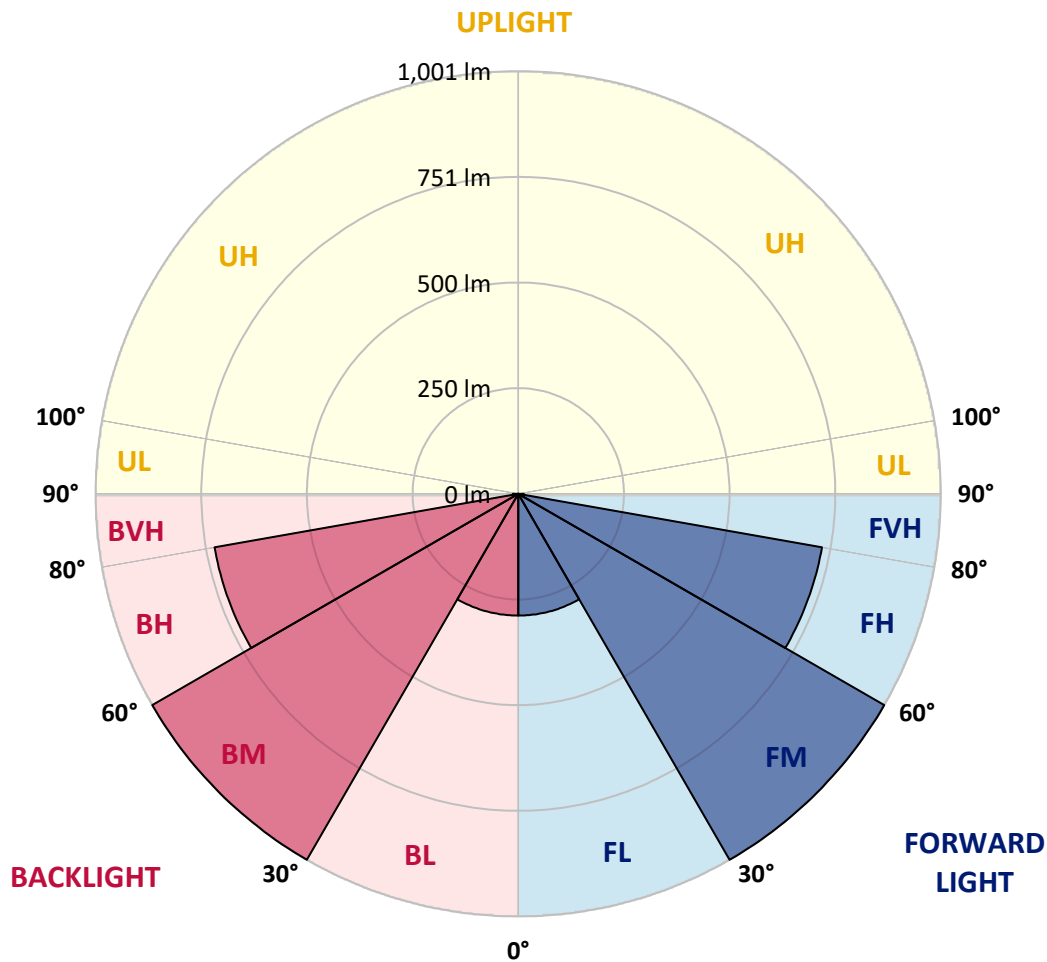
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.3	7.1			
FM (30°-60°)	1000.9	24.6			
FH (60°-80°)	730.5	18.0			G1/1800
FVH (80°-90°)	12.8	0.3			G1/100
BL (0°-30°)	288.3	7.1	B1/500		
BM (30°-60°)	1000.9	24.6	B2/2500		
BH (60°-80°)	730.5	18.0	B2/1000		G2/1000
BVH (80°-90°)	12.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	675.1	675.1	675.1	675.1	675.1	675.1	675.1	675.1	675.1	675.1	675.1
2.5°	677.4	677.4	678.4	677.4	677.4	677.4	677.4	676.2	675.1	674.0	674.0
5°	676.2	676.2	676.2	677.4	677.4	678.4	678.4	677.4	677.4	677.4	676.2
7.5°	671.8	672.9	672.9	674.0	675.1	677.4	678.4	679.5	680.6	680.6	680.6
10°	666.2	666.2	667.3	669.5	672.9	675.1	680.6	683.9	686.1	687.3	687.3
12.5°	657.5	657.5	659.6	664.0	670.7	677.4	683.9	690.6	695.0	697.1	697.1
15°	646.4	646.4	649.6	656.3	668.5	680.6	691.6	701.6	708.2	711.5	710.5
17.5°	629.8	629.8	634.2	646.4	665.2	685.1	703.8	716.0	725.9	729.3	729.3
20°	607.7	607.7	615.5	632.0	658.5	688.4	714.9	733.6	748.0	758.0	760.2
22.5°	580.0	580.0	592.2	615.5	647.4	686.1	722.6	754.7	780.1	791.2	792.2
25°	548.0	550.2	566.8	596.7	637.5	685.1	734.8	779.0	812.1	829.8	833.1
27.5°	518.2	520.4	541.4	579.0	627.5	686.1	745.8	805.4	852.9	874.0	877.3
30°	490.6	492.8	514.9	559.1	619.8	687.3	759.1	832.0	894.9	928.1	934.7
32.5°	466.2	468.5	490.6	538.1	608.8	688.4	775.6	867.3	949.1	998.8	1004.4
35°	445.3	447.5	470.7	516.0	594.4	690.6	795.5	909.3	1020.9	1101.6	1114.8
37.5°	427.6	429.7	449.7	495.0	577.8	690.6	816.5	958.0	1114.8	1255.2	1279.5
40°	414.3	416.5	432.1	474.0	557.9	686.1	835.3	1011.0	1226.4	1447.5	1487.2
42.5°	402.1	405.5	418.7	455.2	537.0	677.4	855.2	1064.0	1357.9	1647.4	1694.9
45°	390.1	393.4	407.7	440.9	514.9	664.0	867.3	1116.0	1506.0	1850.7	1891.6
47.5°	382.3	382.3	394.4	425.4	493.8	640.9	870.7	1164.5	1658.5	2045.2	2092.7
50°	374.5	374.5	384.5	411.0	471.7	611.0	858.5	1211.0	1817.6	2229.6	2276.1
52.5°	364.6	363.5	373.5	397.8	450.8	573.5	829.8	1242.0	1980.0	2404.3	2456.2
55°	352.4	352.4	360.3	382.3	430.9	535.8	777.8	1256.2	2130.2	2555.6	2610.8
57.5°	339.2	338.0	345.9	363.5	408.8	499.4	708.2	1246.3	2252.9	2699.3	2745.7
60°	327.0	326.0	331.5	346.9	383.4	464.0	637.5	1192.1	2351.3	2817.5	2870.5
62.5°	311.6	311.6	316.0	328.2	359.1	424.2	566.8	1108.3	2399.8	2897.1	2953.4
65°	291.7	290.6	293.9	302.7	328.2	382.3	498.3	1007.7	2401.0	2936.8	3002.0
67.5°	255.2	264.1	267.4	272.9	293.9	339.2	433.1	918.2	2314.8	2929.1	2992.0
70°	206.6	235.3	235.3	238.6	254.2	290.6	372.3	843.0	2123.7	2855.1	2922.4
72.5°	143.6	169.0	190.1	197.8	211.0	236.4	313.8	752.5	1794.4	2686.0	2776.6
75°	53.0	49.7	71.8	120.5	133.7	155.8	229.8	619.8	1450.7	2364.5	2519.1
77.5°	15.4	16.6	23.2	61.9	70.8	76.3	124.8	309.4	671.8	1209.9	1369.0
80°	13.2	13.2	16.6	19.9	23.2	37.5	40.8	114.9	221.0	289.5	290.6
82.5°	9.9	9.9	12.2	14.4	17.7	22.1	24.3	39.8	56.4	58.6	58.6
85°	6.7	6.7	7.7	8.9	11.0	13.2	14.4	16.6	20.9	35.3	37.5
87.5°	3.3	3.3	4.4	4.4	5.5	5.5	6.7	9.9	11.0	16.6	16.6
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)