

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: P507423

Luminaire Tested: **VERD-S-CA1-20-722-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507423  
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-CA1-20-722-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 430mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2998 lumens  
Efficiency: N/A  
Efficacy: 128.1 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): 23.4  
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

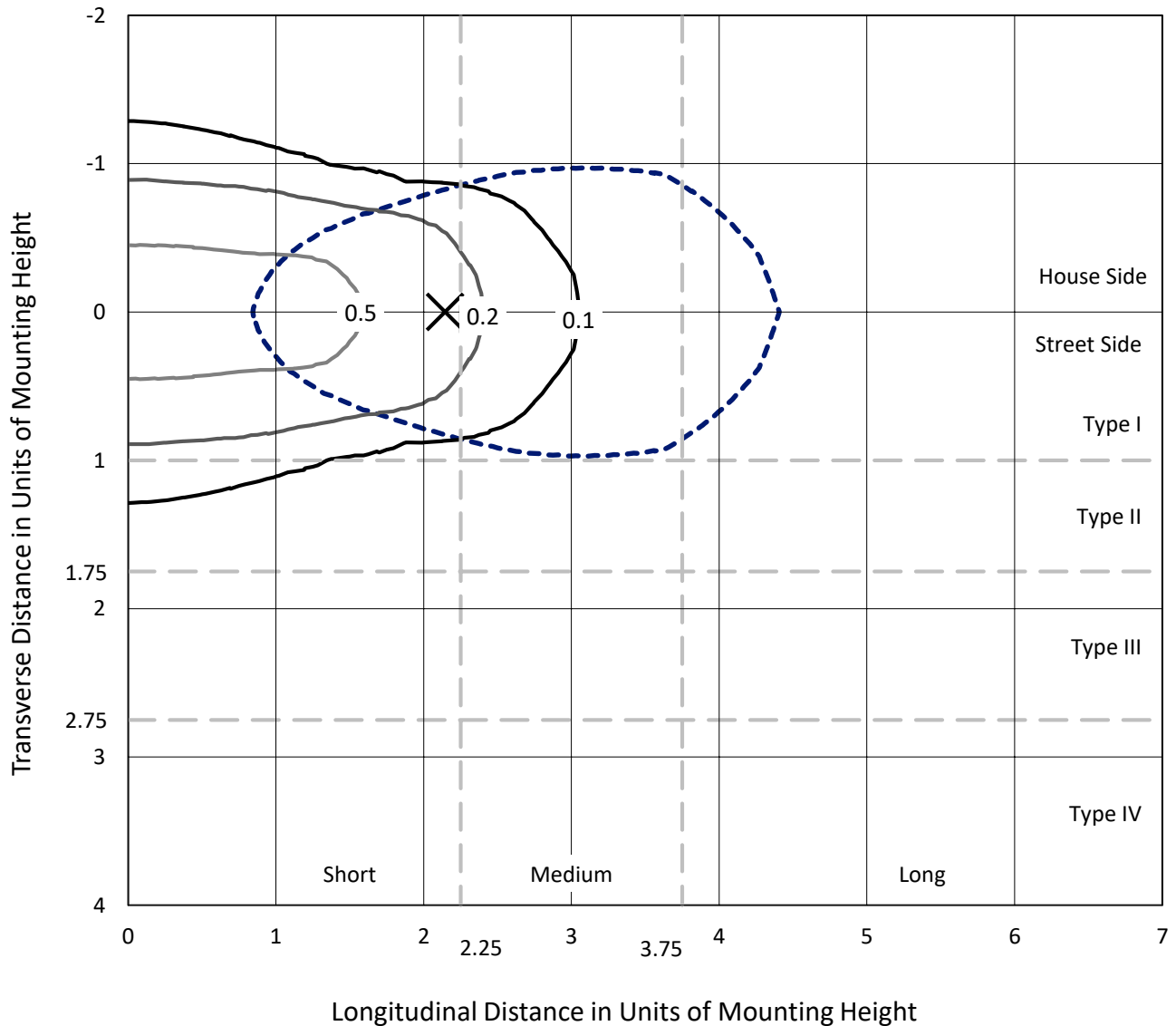


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### Iso-Footcandle Lines of Horizontal Illumination

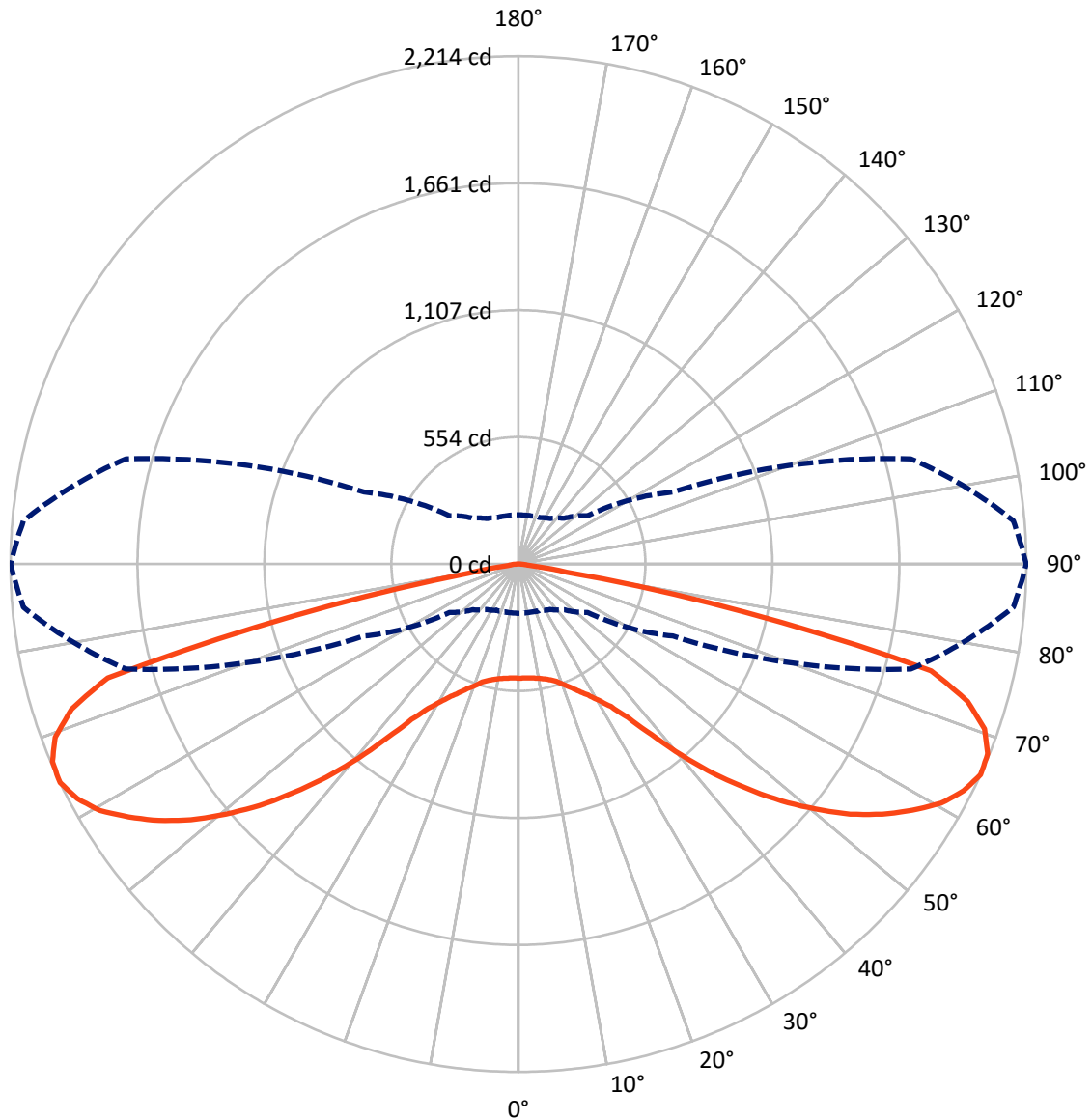
× Max cd  
 - - - 1/2 Max cd



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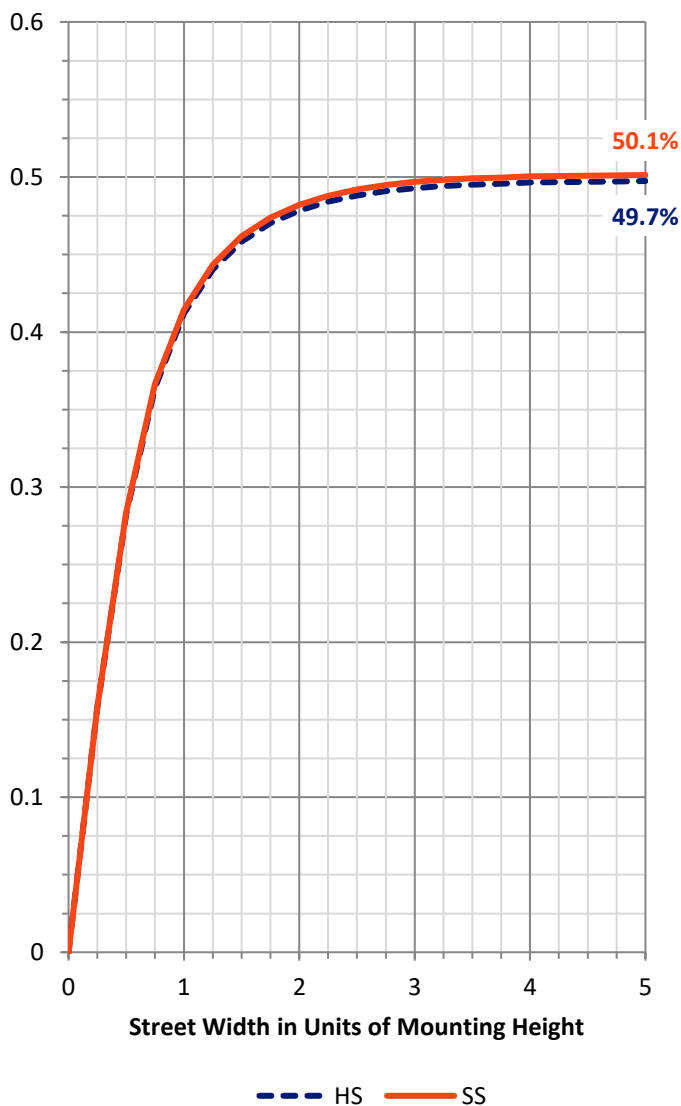
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1499.0	0.0	1499.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1499.0	0.0	1499.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2998.0	0.0	2998.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.6	1.6
10°-20°	142.2	4.7
20°-30°	235.5	7.9
30°-40°	340.8	11.4
40°-50°	493.4	16.5
50°-60°	642.2	21.4
60°-70°	678.3	22.6
70°-80°	399.2	13.3
80°-90°	18.8	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°	2998.0	100.0
0°-180°	2998.0	100.0

**Coefficient of Utilization**



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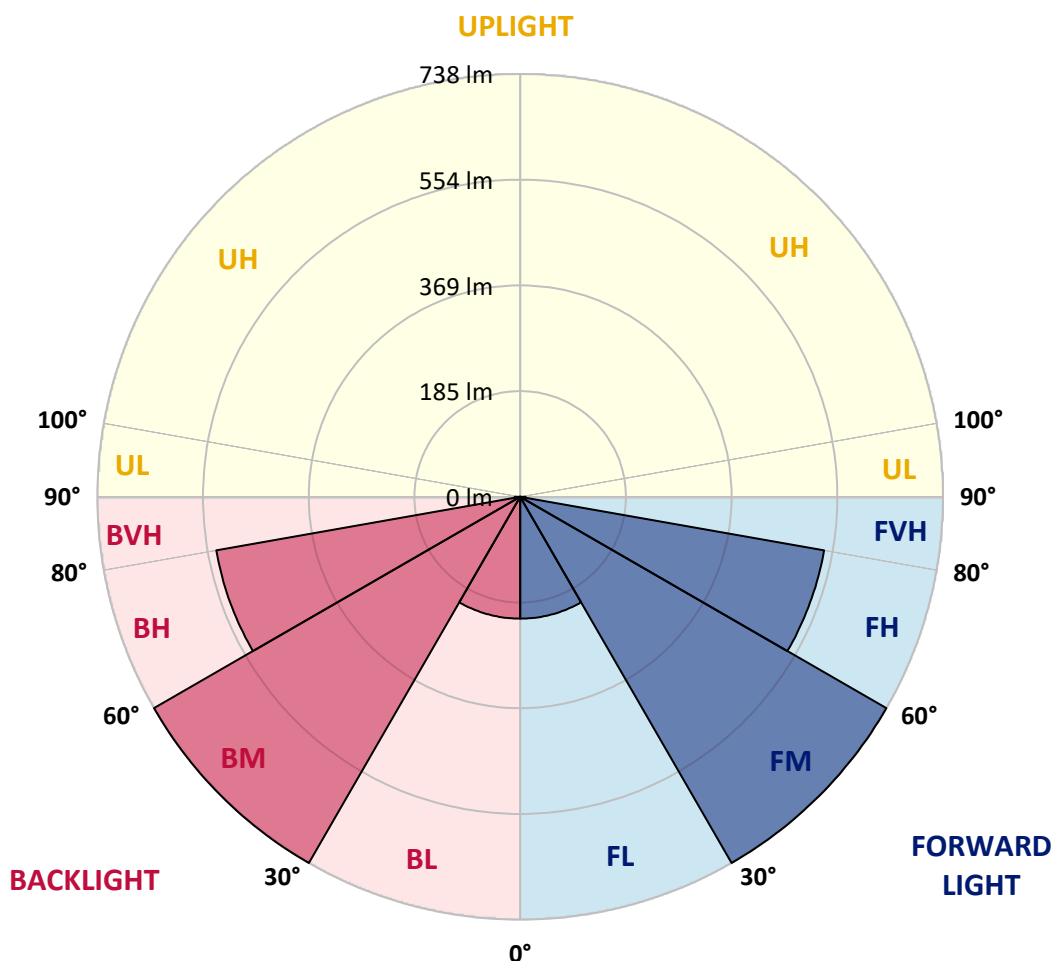
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.7	7.1			
FM (30°-60°)	738.2	24.6			
FH (60°-80°)	538.7	18.0			G0/660
FVH (80°-90°)	9.4	0.3			G0/10
BL (0°-30°)	212.7	7.1	B1/500		
BM (30°-60°)	738.2	24.6	B1/1000		
BH (60°-80°)	538.7	18.0	B2/1000		G2/1000
BVH (80°-90°)	9.4	0.3			G0/10
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°	497.9	497.9	497.9	497.9	497.9	497.9	497.9	497.9	497.9	497.9	497.9
2.5°	499.5	499.5	500.3	499.5	499.5	499.5	499.5	498.7	497.9	497.1	497.1
5°	498.7	498.7	498.7	499.5	499.5	500.3	500.3	499.5	499.5	499.5	498.7
7.5°	495.4	496.3	496.3	497.1	497.9	499.5	500.3	501.1	502.0	502.0	502.0
10°	491.4	491.4	492.2	493.8	496.3	497.9	502.0	504.4	506.0	506.8	506.8
12.5°	484.8	484.8	486.5	489.7	494.6	499.5	504.4	509.3	512.6	514.2	514.2
15°	476.7	476.7	479.1	484.0	493.0	502.0	510.1	517.4	522.3	524.8	524.0
17.5°	464.5	464.5	467.7	476.7	490.5	505.2	519.1	528.0	535.4	537.8	537.8
20°	448.2	448.2	453.9	466.1	485.7	507.7	527.2	541.1	551.7	559.0	560.6
22.5°	427.8	427.8	436.8	453.9	477.5	506.0	532.9	556.6	575.3	583.4	584.3
25°	404.2	405.8	418.0	440.0	470.2	505.2	541.9	574.5	598.9	612.0	614.4
27.5°	382.2	383.8	399.3	427.0	462.8	506.0	550.0	594.0	629.1	644.6	647.0
30°	361.8	363.4	379.7	412.3	457.1	506.8	559.8	613.6	660.0	684.5	689.4
32.5°	343.9	345.5	361.8	396.8	449.0	507.7	572.0	639.7	700.0	736.6	740.7
35°	328.4	330.0	347.1	380.5	438.4	509.3	586.7	670.6	752.9	812.4	822.2
37.5°	315.4	317.0	331.7	365.1	426.2	509.3	602.2	706.5	822.2	925.7	943.6
40°	305.6	307.2	318.6	349.6	411.5	506.0	616.0	745.6	904.5	1067.5	1096.8
42.5°	296.6	299.1	308.8	335.7	396.0	499.5	630.7	784.7	1001.5	1215.0	1250.0
45°	287.6	290.1	300.7	325.1	379.7	489.7	639.7	823.0	1110.7	1364.9	1395.1
47.5°	281.9	281.9	290.9	313.7	364.2	472.6	642.1	858.9	1223.1	1508.3	1543.4
50°	276.2	276.2	283.6	303.1	347.9	450.6	633.2	893.1	1340.5	1644.4	1678.6
52.5°	268.9	268.1	275.4	293.4	332.5	422.9	612.0	915.9	1460.2	1773.1	1811.4
55°	259.9	259.9	265.6	281.9	317.8	395.2	573.7	926.5	1571.1	1884.8	1925.5
57.5°	250.2	249.3	255.1	268.1	301.5	368.3	522.3	919.2	1661.5	1990.7	2024.9
60°	241.2	240.4	244.5	255.9	282.8	342.2	470.2	879.2	1734.0	2077.9	2117.0
62.5°	229.8	229.8	233.1	242.0	264.8	312.9	418.0	817.3	1769.9	2136.6	2178.1
65°	215.1	214.3	216.8	223.3	242.0	281.9	367.5	743.2	1770.7	2165.9	2214.0
67.5°	188.2	194.8	197.2	201.3	216.8	250.2	319.4	677.2	1707.1	2160.2	2206.7
70°	152.4	173.6	173.6	176.0	187.4	214.3	274.6	621.7	1566.2	2105.6	2155.3
72.5°	105.9	124.7	140.2	145.9	155.6	174.4	231.4	554.9	1323.3	1980.9	2047.8
75°	39.1	36.7	53.0	88.8	98.6	114.9	169.5	457.1	1069.9	1743.8	1857.9
77.5°	11.4	12.2	17.1	45.6	52.2	56.2	92.1	228.2	495.4	892.3	1009.6
80°	9.8	9.8	12.2	14.7	17.1	27.7	30.2	84.7	163.0	213.5	214.3
82.5°	7.3	7.3	9.0	10.6	13.0	16.3	17.9	29.3	41.6	43.2	43.2
85°	4.9	4.9	5.7	6.5	8.1	9.8	10.6	12.2	15.5	26.1	27.7
87.5°	2.4	2.4	3.3	3.3	4.1	4.1	4.9	7.3	8.1	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)