

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: P507439

Luminaire Tested: **VERD-S-CA1-20-730-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507439  
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-CA1-20-730-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 3000K, 430mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3612 lumens  
Efficiency: N/A  
Efficacy: 154.4 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

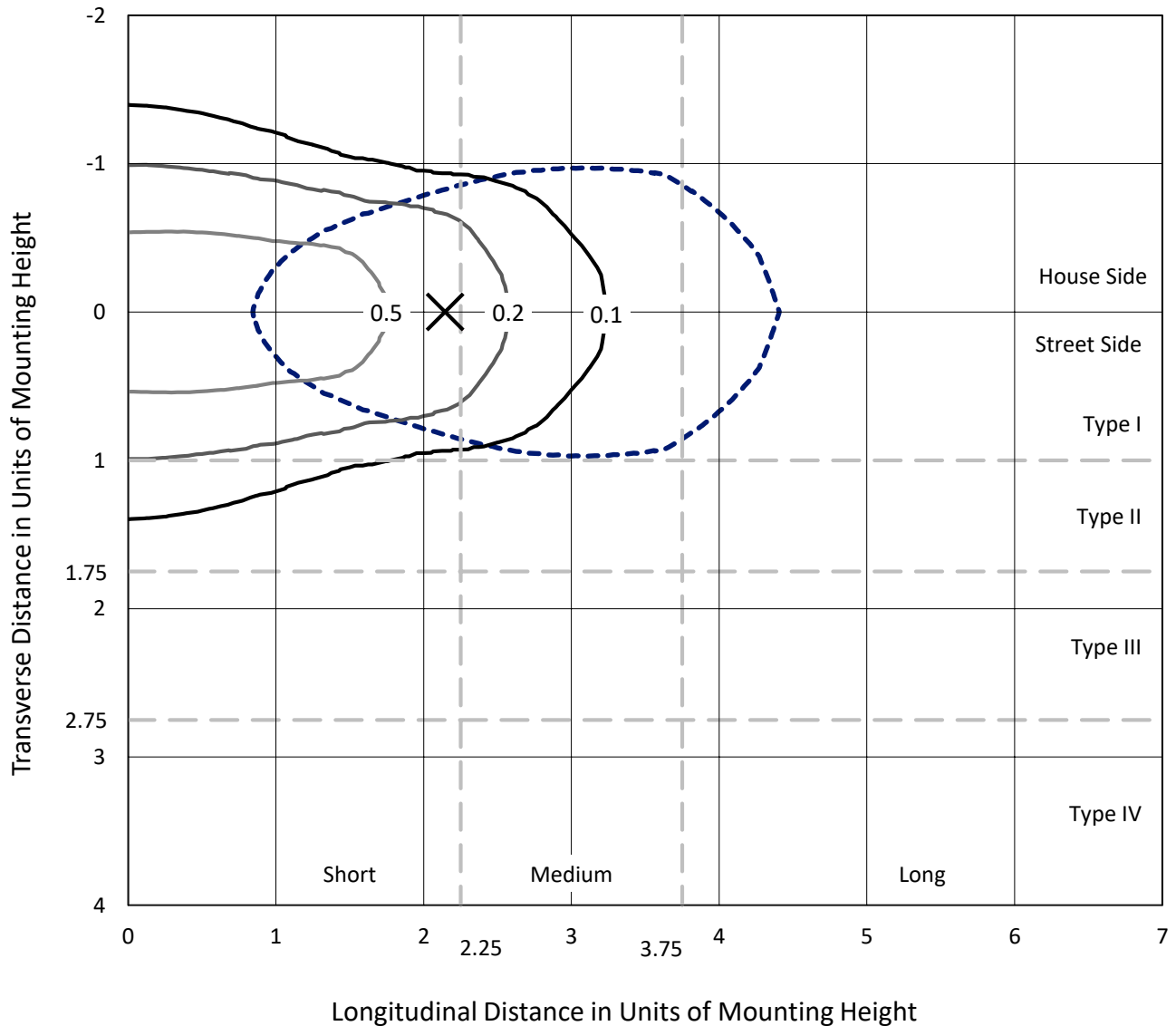


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### Iso-Footcandle Lines of Horizontal Illumination

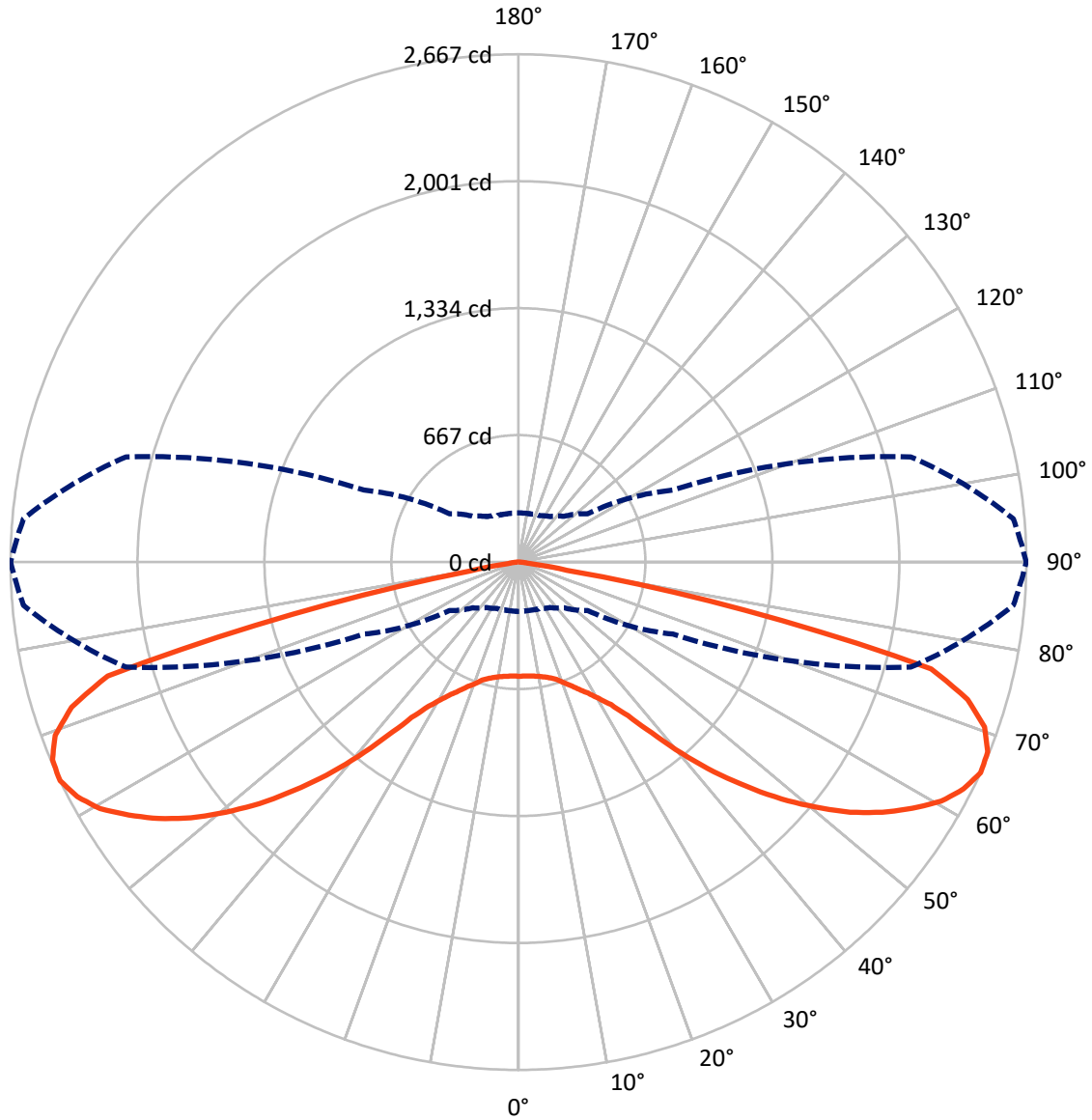
✕ Max cd  
 - - - 1/2 Max cd



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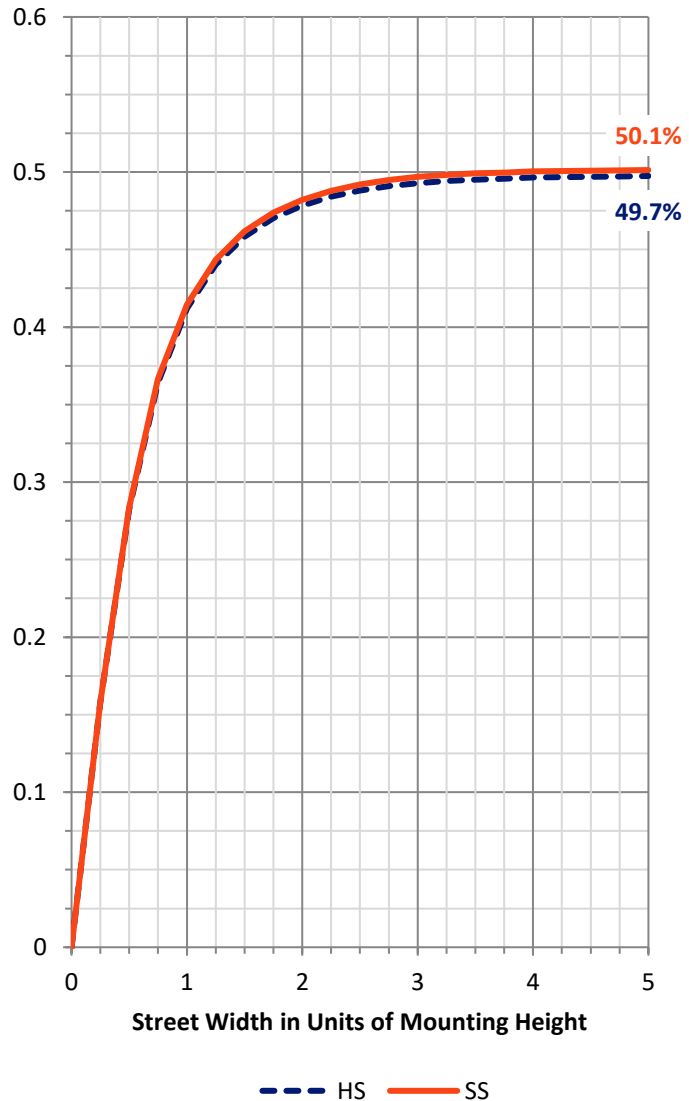
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1806.0	0.0	1806.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1806.0	0.0	1806.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3612.0	0.0	3612.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.4	1.6
10°-20°	171.3	4.7
20°-30°	283.7	7.9
30°-40°	410.6	11.4
40°-50°	594.4	16.5
50°-60°	773.7	21.4
60°-70°	817.2	22.6
70°-80°	481.0	13.3
80°-90°	22.7	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°	3612.0	100.0
0°-180°	3612.0	100.0

**Coefficient of Utilization**



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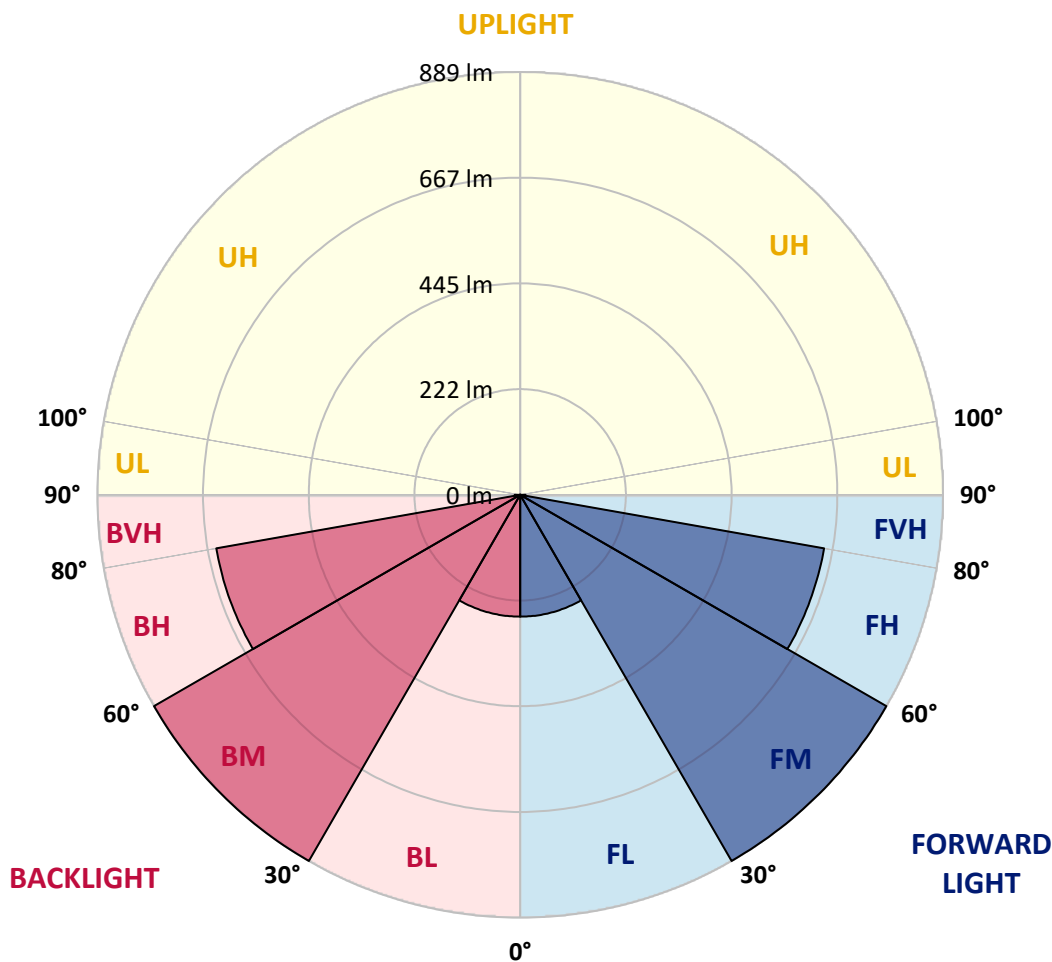
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.2	7.1			
FM (30°-60°)	889.4	24.6			
FH (60°-80°)	649.1	18.0			G0/660
FVH (80°-90°)	11.4	0.3			G1/100
BL (0°-30°)	256.2	7.1	B1/500		
BM (30°-60°)	889.4	24.6	B1/1000		
BH (60°-80°)	649.1	18.0	B2/1000		G2/1000
BVH (80°-90°)	11.4	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°	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9	599.9
2.5°	601.8	601.8	602.8	601.8	601.8	601.8	601.8	600.8	599.9	598.9	598.9
5°	600.8	600.8	600.8	601.8	601.8	602.8	602.8	601.8	601.8	601.8	600.8
7.5°	596.9	597.9	597.9	598.9	599.9	601.8	602.8	603.8	604.8	604.8	604.8
10°	592.0	592.0	593.0	594.9	597.9	599.9	604.8	607.7	609.7	610.7	610.7
12.5°	584.1	584.1	586.1	590.0	595.9	601.8	607.7	613.6	617.5	619.5	619.5
15°	574.3	574.3	577.3	583.2	594.0	604.8	614.6	623.4	629.3	632.2	631.3
17.5°	559.6	559.6	563.5	574.3	591.0	608.7	625.4	636.2	645.0	648.0	648.0
20°	540.0	540.0	546.8	561.6	585.1	611.6	635.2	651.9	664.6	673.5	675.4
22.5°	515.4	515.4	526.2	546.8	575.3	609.7	642.1	670.5	693.1	702.9	703.9
25°	486.9	488.9	503.6	530.1	566.5	608.7	652.9	692.1	721.6	737.3	740.2
27.5°	460.4	462.4	481.1	514.4	557.6	609.7	662.7	715.7	757.9	776.6	779.5
30°	435.9	437.9	457.5	496.8	550.8	610.7	674.5	739.3	795.2	824.7	830.6
32.5°	414.3	416.3	435.9	478.1	540.9	611.6	689.2	770.7	843.3	887.5	892.4
35°	395.6	397.6	418.2	458.5	528.2	613.6	706.9	808.0	907.1	978.8	990.6
37.5°	379.9	381.9	399.6	439.8	513.5	613.6	725.5	851.2	990.6	1115.3	1136.9
40°	368.2	370.1	383.9	421.2	495.8	609.7	742.2	898.3	1089.7	1286.1	1321.4
42.5°	357.4	360.3	372.1	404.5	477.1	601.8	759.9	945.4	1206.6	1463.8	1506.0
45°	346.6	349.5	362.3	391.7	457.5	590.0	770.7	991.6	1338.1	1644.4	1680.8
47.5°	339.7	339.7	350.5	378.0	438.8	569.4	773.6	1034.8	1473.6	1817.2	1859.4
50°	332.8	332.8	341.6	365.2	419.2	542.9	762.8	1076.0	1615.0	1981.2	2022.4
52.5°	324.0	323.0	331.8	353.4	400.6	509.5	737.3	1103.5	1759.3	2136.3	2182.4
55°	313.2	313.2	320.1	339.7	382.9	476.2	691.2	1116.3	1892.8	2270.8	2319.9
57.5°	301.4	300.4	307.3	323.0	363.2	443.8	629.3	1107.4	2001.8	2398.4	2439.7
60°	290.6	289.6	294.5	308.3	340.7	412.3	566.5	1059.3	2089.2	2503.5	2550.6
62.5°	276.9	276.9	280.8	291.6	319.1	377.0	503.6	984.7	2132.4	2574.2	2624.2
65°	259.2	258.2	261.1	269.0	291.6	339.7	442.8	895.4	2133.3	2609.5	2667.4
67.5°	226.8	234.6	237.6	242.5	261.1	301.4	384.8	815.8	2056.8	2602.6	2658.6
70°	183.6	209.1	209.1	212.1	225.8	258.2	330.9	749.1	1886.9	2536.8	2596.7
72.5°	127.6	150.2	168.9	175.7	187.5	210.1	278.8	668.6	1594.4	2386.6	2467.1
75°	47.1	44.2	63.8	107.0	118.8	138.4	204.2	550.8	1289.0	2101.0	2238.4
77.5°	13.7	14.7	20.6	55.0	62.8	67.7	110.9	274.9	596.9	1075.0	1216.4
80°	11.8	11.8	14.7	17.7	20.6	33.4	36.3	102.1	196.4	257.2	258.2
82.5°	8.8	8.8	10.8	12.8	15.7	19.6	21.6	35.3	50.1	52.0	52.0
85°	5.9	5.9	6.9	7.9	9.8	11.8	12.8	14.7	18.7	31.4	33.4
87.5°	2.9	2.9	3.9	3.9	4.9	4.9	5.9	8.8	9.8	14.7	14.7
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)