

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: P507479

Luminaire Tested: **VERD-S-CA1-30-727-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507479  
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-CA1-30-727-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2700K, 590mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4223.9 lumens  
Efficiency: N/A  
Efficacy: 124.2 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

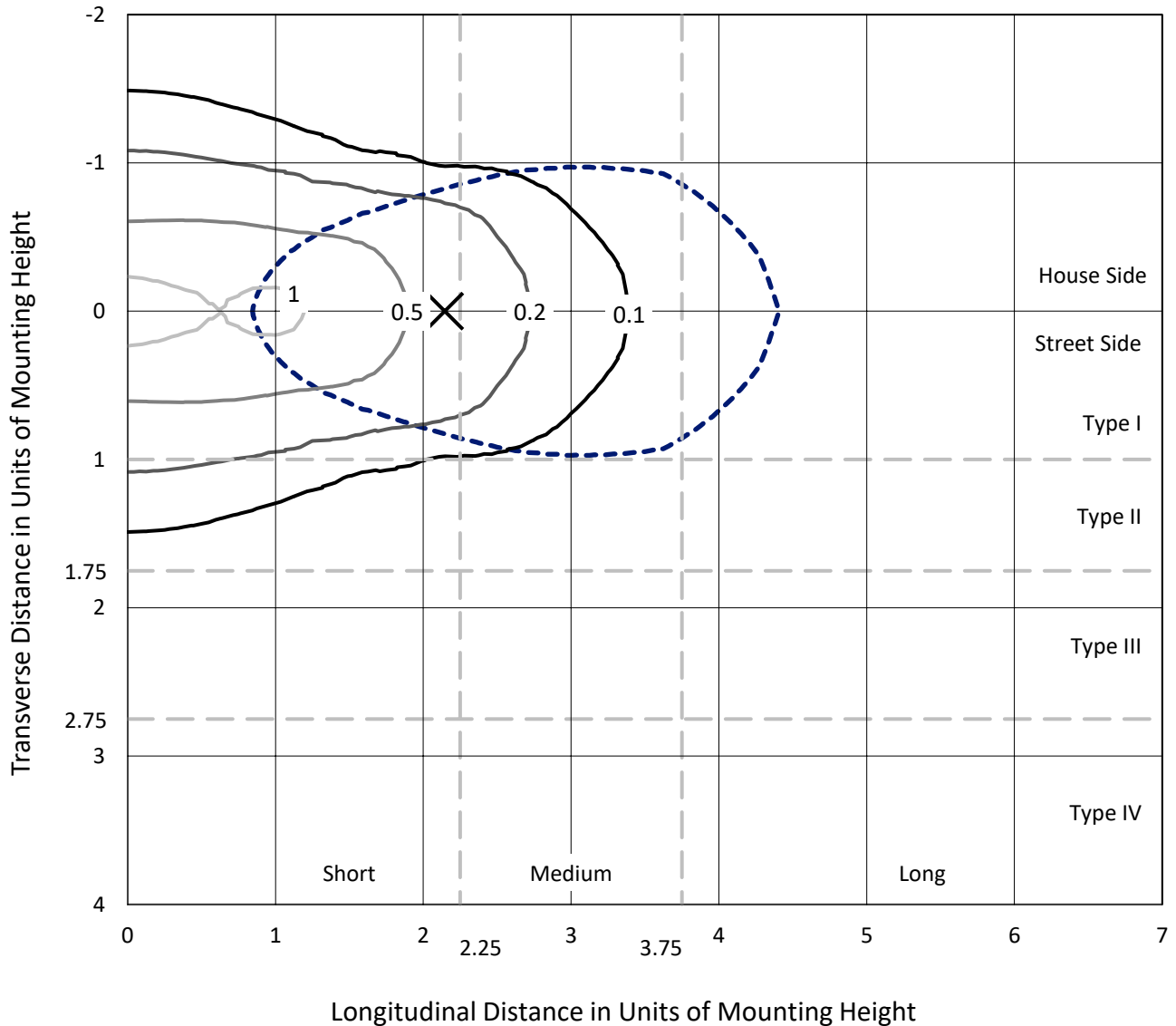
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

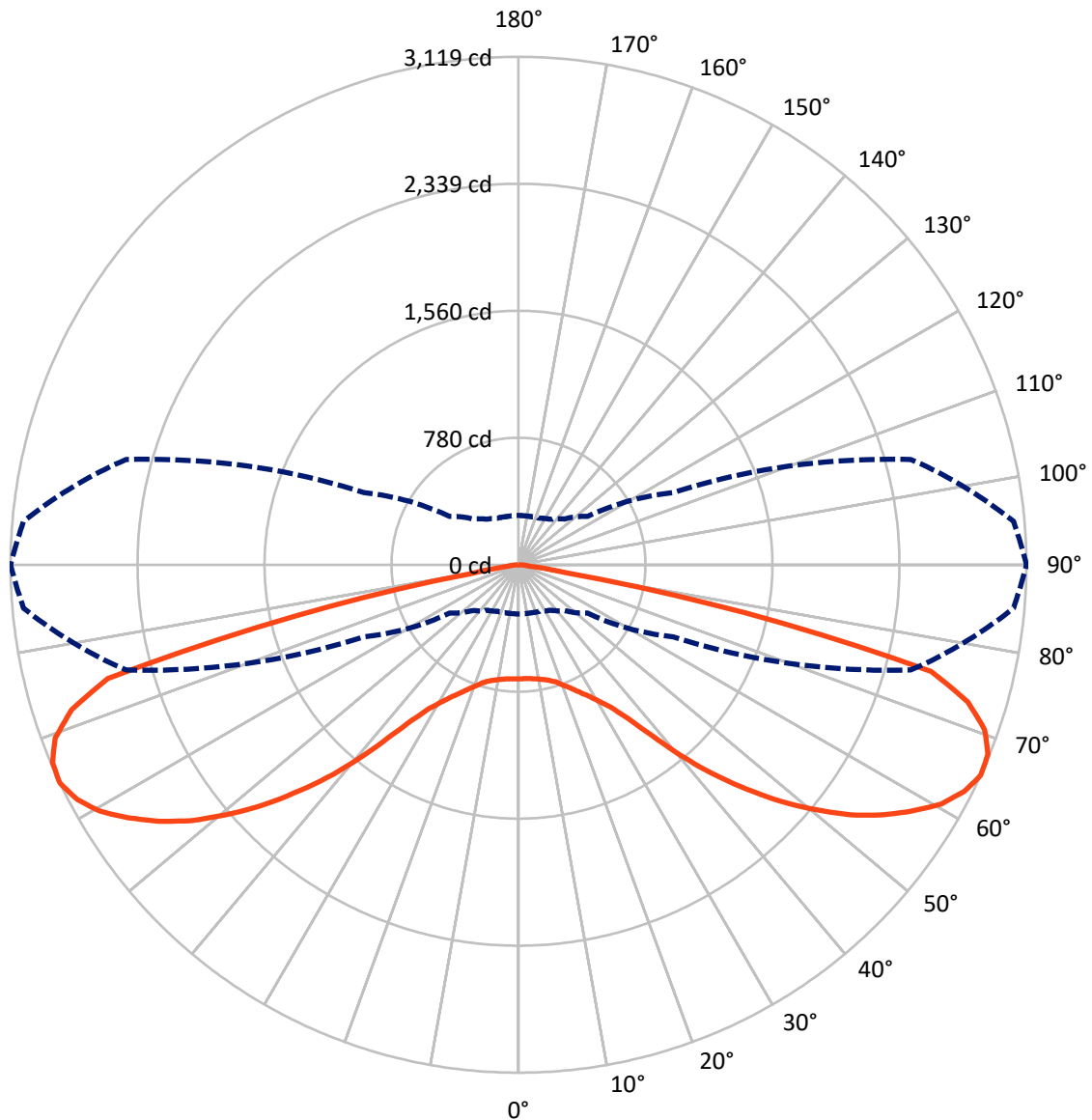
✕ Max cd  
 - - - 1/2 Max cd



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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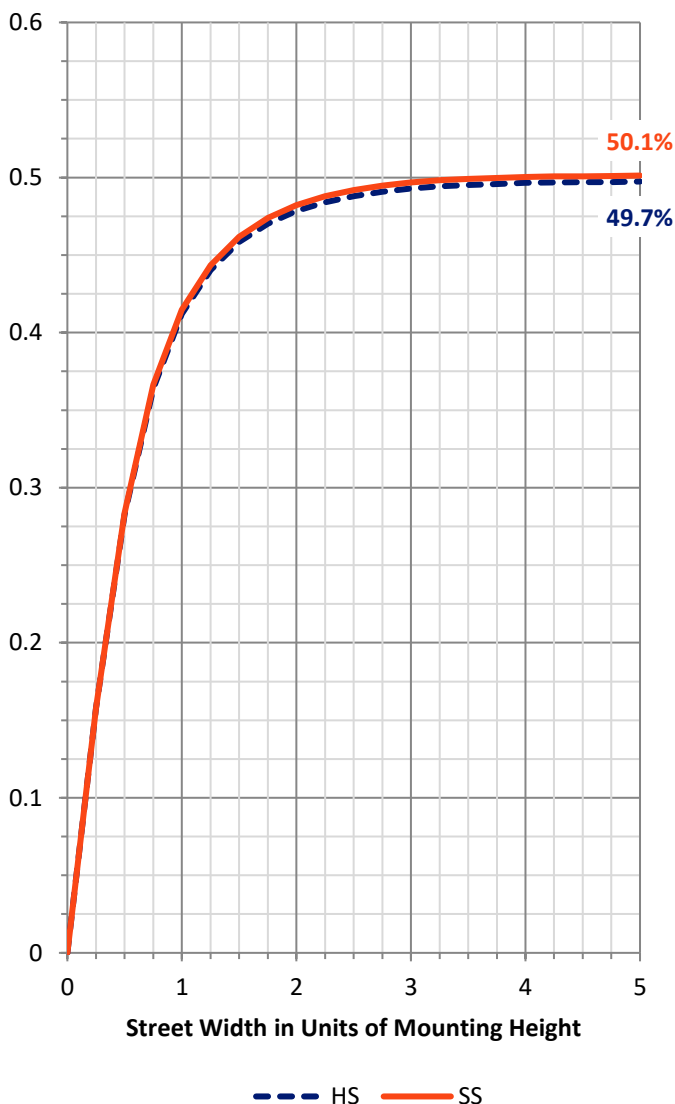
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2112.0	0.0	2112.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2112.0	0.0	2112.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4223.9	0.0	4223.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.1	1.6
10°-20°	200.3	4.7
20°-30°	331.8	7.9
30°-40°	480.2	11.4
40°-50°	695.1	16.5
50°-60°	904.7	21.4
60°-70°	955.6	22.6
70°-80°	562.5	13.3
80°-90°	26.6	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°	4223.9	100.0
0°-180°	4223.9	100.0

**Coefficient of Utilization**



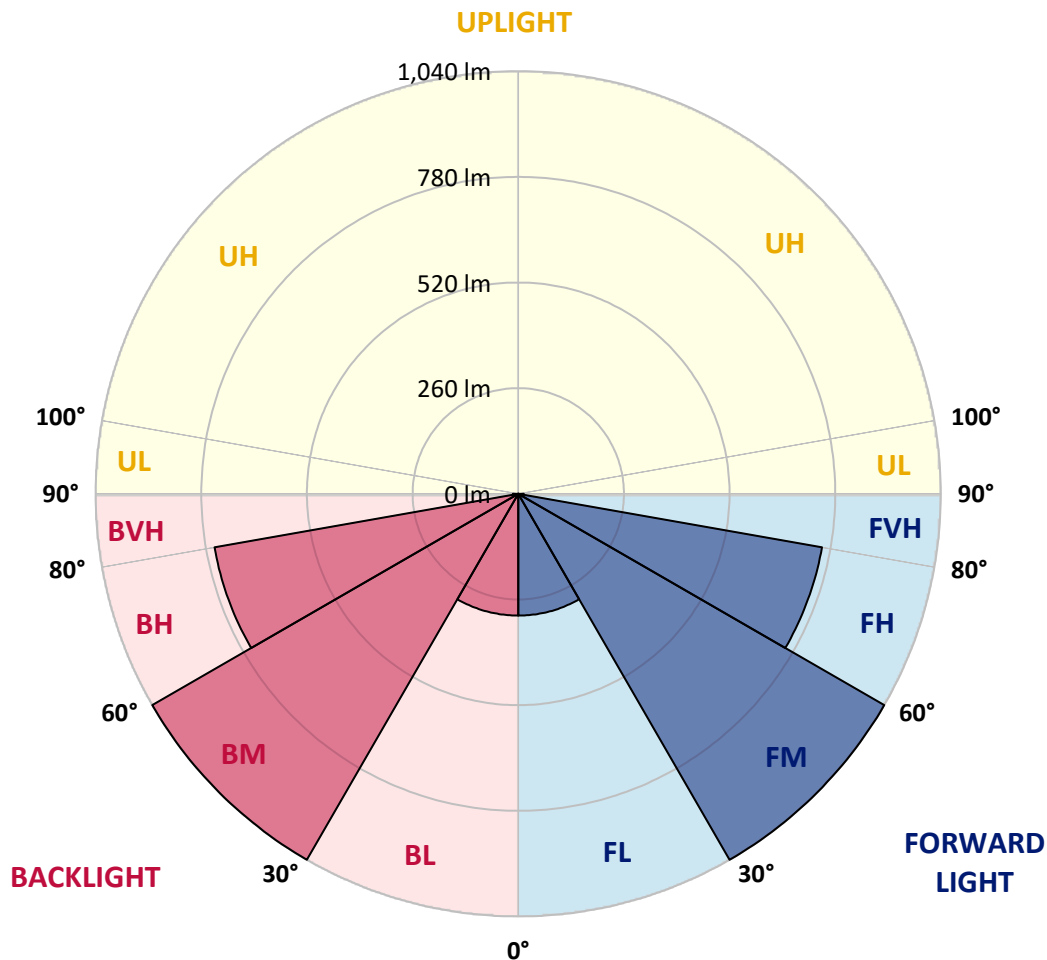
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.6	7.1			
FM (30°-60°)	1040.0	24.6			
FH (60°-80°)	759.0	18.0			G1/1800
FVH (80°-90°)	13.3	0.3			G1/100
BL (0°-30°)	299.6	7.1	B1/500		
BM (30°-60°)	1040.0	24.6	B2/2500		
BH (60°-80°)	759.0	18.0	B2/1000		G2/1000
BVH (80°-90°)	13.3	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°	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4	701.4
2.5°	703.7	703.7	704.9	703.7	703.7	703.7	703.7	702.6	701.4	700.4	700.4
5°	702.6	702.6	702.6	703.7	703.7	704.9	704.9	703.7	703.7	703.7	702.6
7.5°	698.1	699.2	699.2	700.4	701.4	703.7	704.9	706.0	707.2	707.2	707.2
10°	692.3	692.3	693.5	695.8	699.2	701.4	707.2	710.6	712.9	714.1	714.1
12.5°	683.1	683.1	685.4	690.0	696.9	703.7	710.6	717.5	722.1	724.4	724.4
15°	671.6	671.6	675.1	682.0	694.6	707.2	718.7	729.0	735.9	739.4	738.2
17.5°	654.3	654.3	658.9	671.6	691.2	711.8	731.3	744.0	754.2	757.7	757.7
20°	631.4	631.4	639.5	656.6	684.3	715.2	742.8	762.3	777.2	787.6	789.9
22.5°	602.7	602.7	615.3	639.5	672.8	712.9	750.9	784.1	810.5	822.0	823.1
25°	569.4	571.7	589.0	619.9	662.4	711.8	763.4	809.3	843.9	862.1	865.6
27.5°	538.5	540.8	562.5	601.5	652.0	712.9	774.9	836.9	886.3	908.2	911.5
30°	509.7	512.0	535.0	580.9	644.1	714.1	788.7	864.4	929.9	964.3	971.2
32.5°	484.5	486.8	509.7	559.1	632.6	715.2	805.9	901.3	986.2	1037.8	1043.6
35°	462.7	465.0	489.1	536.2	617.6	717.5	826.6	944.9	1060.9	1144.6	1158.4
37.5°	444.2	446.5	467.3	514.3	600.4	717.5	848.5	995.4	1158.4	1304.2	1329.4
40°	430.6	432.9	448.8	492.6	579.8	712.9	867.9	1050.5	1274.3	1503.9	1545.3
42.5°	417.9	421.3	435.2	473.0	557.9	703.7	888.6	1105.6	1411.0	1711.7	1761.1
45°	405.2	408.7	423.7	458.1	535.0	690.0	901.3	1159.6	1564.8	1923.0	1965.5
47.5°	397.2	397.2	409.8	441.9	513.2	665.9	904.7	1210.1	1723.3	2125.0	2174.4
50°	389.2	389.2	399.5	427.1	490.3	634.9	892.1	1258.3	1888.6	2316.7	2364.9
52.5°	378.9	377.7	388.1	413.3	468.4	595.9	862.1	1290.4	2057.3	2498.2	2552.1
55°	366.2	366.2	374.3	397.2	447.7	556.8	808.2	1305.4	2213.4	2655.5	2712.9
57.5°	352.4	351.3	359.3	377.7	424.8	518.9	735.9	1295.0	2340.9	2804.7	2852.9
60°	339.8	338.6	344.4	360.5	398.3	482.2	662.4	1238.7	2443.1	2927.6	2982.7
62.5°	323.8	323.8	328.4	340.9	373.1	440.9	589.0	1151.5	2493.6	3010.2	3068.8
65°	303.1	301.9	305.4	314.6	340.9	397.2	517.8	1047.0	2494.7	3051.5	3119.3
67.5°	265.2	274.4	277.9	283.6	305.4	352.4	450.0	954.1	2405.2	3043.5	3108.9
70°	214.7	244.5	244.5	248.0	264.1	301.9	386.9	876.0	2206.6	2966.6	3036.7
72.5°	149.2	175.7	197.4	205.5	219.3	245.7	326.1	781.8	1864.4	2790.9	2885.0
75°	55.1	51.7	74.7	125.2	138.9	161.9	238.7	644.1	1507.4	2456.9	2617.6
77.5°	16.1	17.3	24.2	64.3	73.5	79.2	129.8	321.5	698.1	1257.1	1422.5
80°	13.8	13.8	17.3	20.7	24.2	39.0	42.5	119.4	229.7	300.8	301.9
82.5°	10.4	10.4	12.7	15.0	18.4	23.0	25.3	41.3	58.6	60.9	60.9
85°	6.9	6.9	8.1	9.2	11.5	13.8	15.0	17.3	21.9	36.7	39.0
87.5°	3.5	3.5	4.6	4.6	5.8	5.8	6.9	10.4	11.5	17.3	17.3
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)