

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: P507455

Luminaire Tested: **VERD-S-CA1-20-750-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507455
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-CA1-20-750-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 430mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3746 lumens
Efficiency: N/A
Efficacy: 160.1 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 (A_{in}): 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

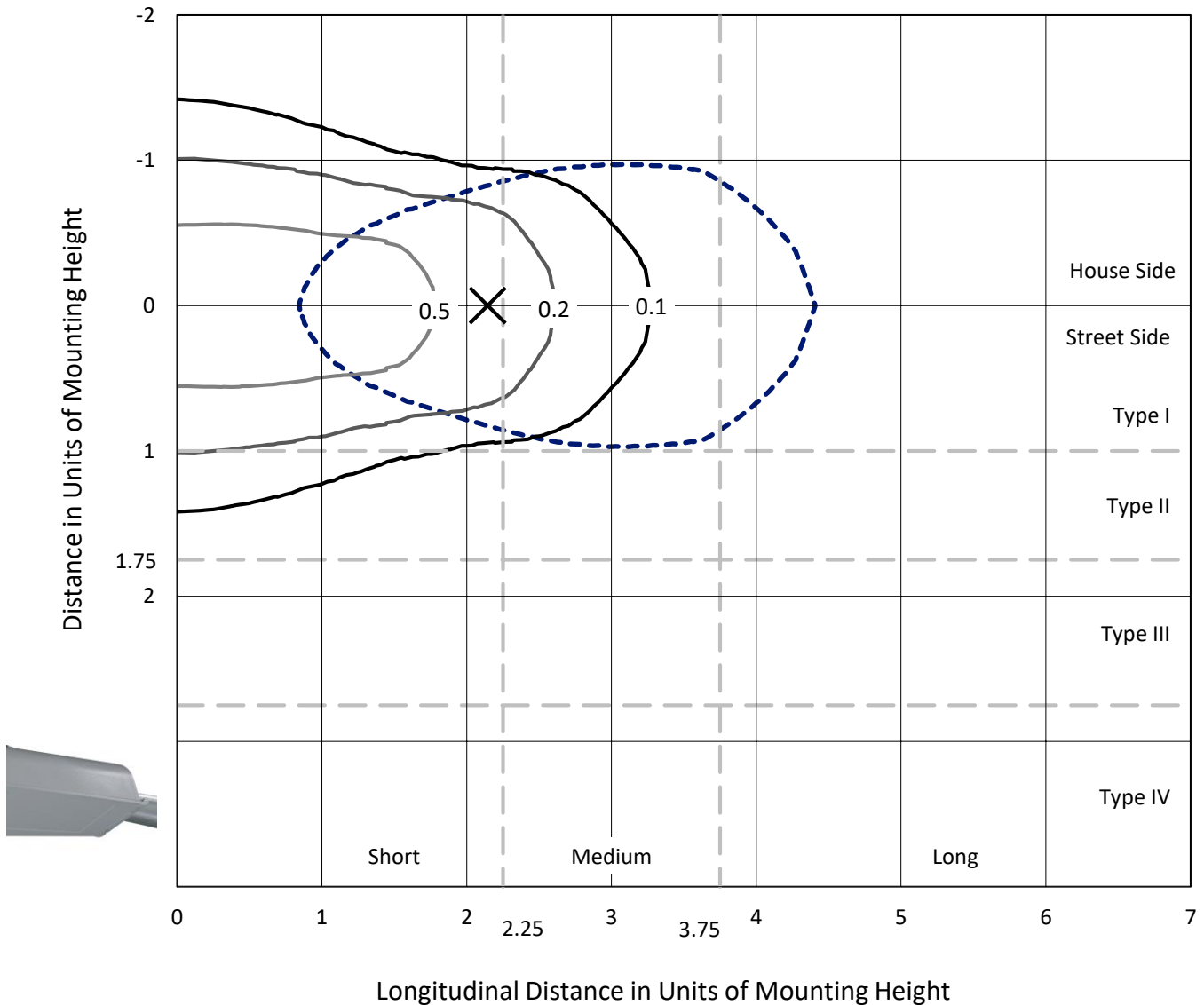


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Iso-Footcandle Lines of Horizontal Illumination

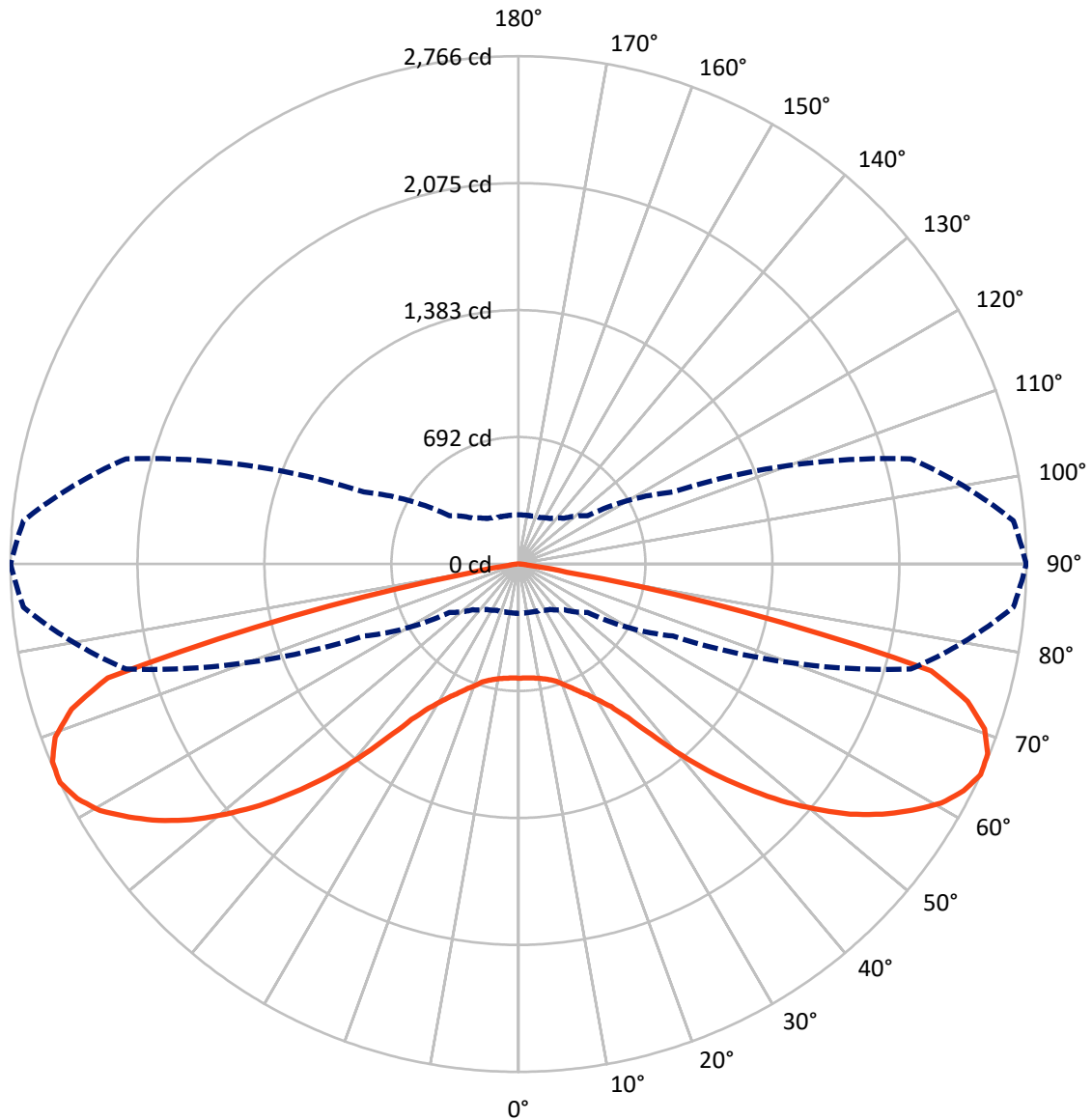
× Max cd
 - - - 1/2 Max cd



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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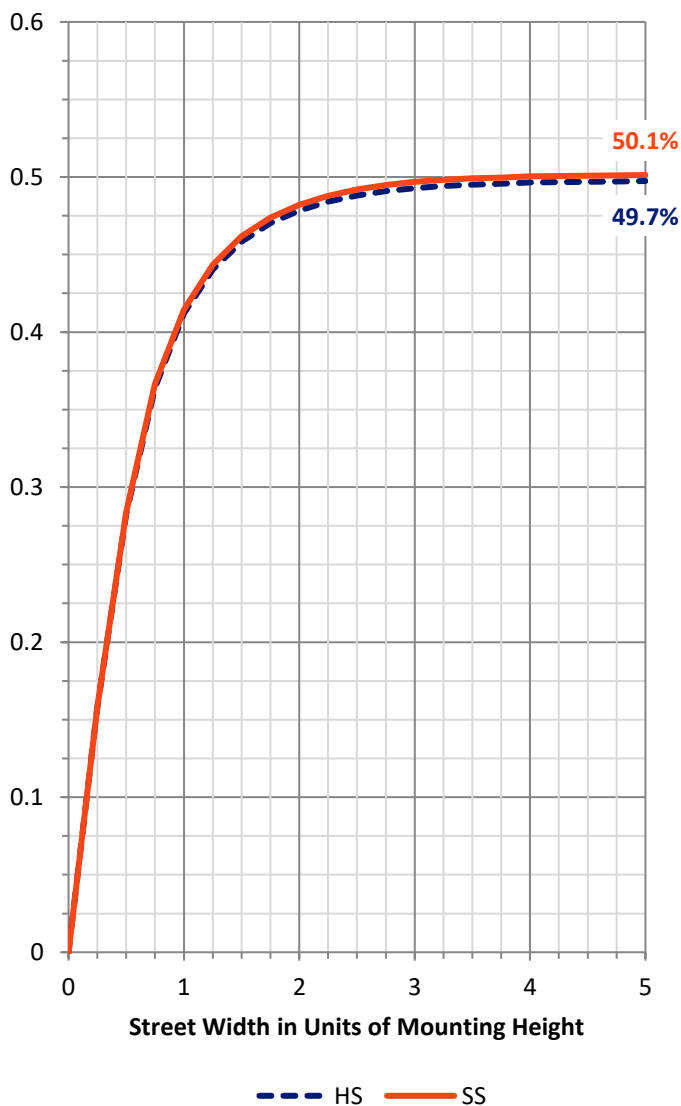
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1873.0	0.0	1873.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1873.0	0.0	1873.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3746.0	0.0	3746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	1.6
10°-20°	177.7	4.7
20°-30°	294.2	7.9
30°-40°	425.9	11.4
40°-50°	616.5	16.5
50°-60°	802.4	21.4
60°-70°	847.5	22.6
70°-80°	498.8	13.3
80°-90°	23.6	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°	3746.0	100.0
0°-180°	3746.0	100.0

Coefficient of Utilization



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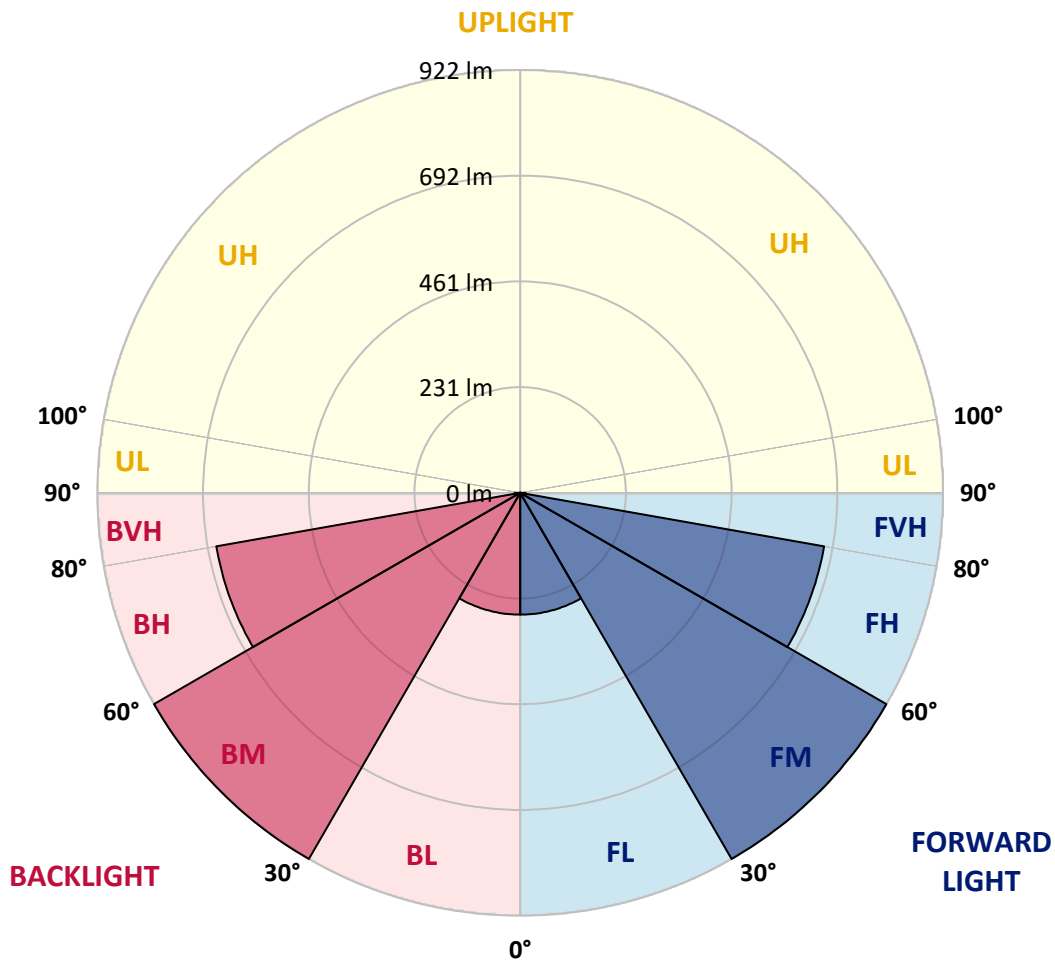
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	265.7	7.1			
FM	(30°-60°)	922.4	24.6			
FH	(60°-80°)	673.2	18.0			G1/1800
FVH	(80°-90°)	11.8	0.3			G1/100
BL	(0°-30°)	265.7	7.1	B1/500		
BM	(30°-60°)	922.4	24.6	B1/1000		
BH	(60°-80°)	673.2	18.0	B2/1000		G2/1000
BVH	(80°-90°)	11.8	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°	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1
2.5°	624.1	624.1	625.2	624.1	624.1	624.1	624.1	623.1	622.1	621.1	621.1
5°	623.1	623.1	623.1	624.1	624.1	625.2	625.2	624.1	624.1	624.1	623.1
7.5°	619.1	620.1	620.1	621.1	622.1	624.1	625.2	626.2	627.2	627.2	627.2
10°	614.0	614.0	615.0	617.0	620.1	622.1	627.2	630.2	632.3	633.3	633.3
12.5°	605.8	605.8	607.9	611.9	618.0	624.1	630.2	636.4	640.4	642.5	642.5
15°	595.6	595.6	598.7	604.8	616.0	627.2	637.4	646.5	652.6	655.7	654.7
17.5°	580.4	580.4	584.4	595.6	612.9	631.3	648.6	659.8	668.9	672.0	672.0
20°	560.0	560.0	567.1	582.4	606.8	634.3	658.8	676.1	689.3	698.5	700.5
22.5°	534.5	534.5	545.7	567.1	596.7	632.3	665.9	695.4	718.8	729.0	730.0
25°	505.0	507.1	522.3	549.8	587.5	631.3	677.1	717.8	748.4	764.6	767.7
27.5°	477.5	479.6	498.9	533.5	578.3	632.3	687.3	742.2	786.0	805.4	808.4
30°	452.1	454.1	474.5	515.2	571.2	633.3	699.5	766.7	824.7	855.3	861.4
32.5°	429.7	431.7	452.1	495.9	561.0	634.3	714.8	799.3	874.6	920.4	925.5
35°	410.3	412.4	433.7	475.5	547.8	636.4	733.1	838.0	940.8	1015.1	1027.3
37.5°	394.0	396.1	414.4	456.1	532.5	636.4	752.4	882.8	1027.3	1156.6	1179.0
40°	381.8	383.9	398.1	436.8	514.2	632.3	769.7	931.6	1130.2	1333.8	1370.5
42.5°	370.6	373.7	385.9	419.5	494.8	624.1	788.1	980.5	1251.3	1518.1	1561.9
45°	359.4	362.5	375.7	406.3	474.5	611.9	799.3	1028.4	1387.8	1705.4	1743.1
47.5°	352.3	352.3	363.5	392.0	455.1	590.5	802.3	1073.2	1528.3	1884.6	1928.4
50°	345.2	345.2	354.3	378.8	434.8	563.1	791.1	1115.9	1674.9	2054.7	2097.4
52.5°	336.0	335.0	344.1	366.5	415.4	528.4	764.6	1144.4	1824.6	2215.5	2263.4
55°	324.8	324.8	331.9	352.3	397.1	493.8	716.8	1157.7	1963.0	2355.0	2405.9
57.5°	312.6	311.6	318.7	335.0	376.7	460.2	652.6	1148.5	2076.1	2487.4	2530.2
60°	301.4	300.4	305.5	319.7	353.3	427.6	587.5	1098.6	2166.7	2596.3	2645.2
62.5°	287.1	287.1	291.2	302.4	330.9	391.0	522.3	1021.2	2211.5	2669.7	2721.6
65°	268.8	267.8	270.8	279.0	302.4	352.3	459.2	928.6	2212.5	2706.3	2766.4
67.5°	235.2	243.3	246.4	251.5	270.8	312.6	399.1	846.1	2133.1	2699.2	2757.2
70°	190.4	216.9	216.9	219.9	234.2	267.8	343.1	776.9	1956.9	2631.0	2693.1
72.5°	132.4	155.8	175.1	182.3	194.5	217.9	289.2	693.4	1653.5	2475.2	2558.7
75°	48.9	45.8	66.2	111.0	123.2	143.6	211.8	571.2	1336.9	2178.9	2321.4
77.5°	14.3	15.3	21.4	57.0	65.2	70.3	115.1	285.1	619.1	1114.9	1261.5
80°	12.2	12.2	15.3	18.3	21.4	34.6	37.7	105.9	203.6	266.8	267.8
82.5°	9.2	9.2	11.2	13.2	16.3	20.4	22.4	36.7	51.9	54.0	54.0
85°	6.1	6.1	7.1	8.1	10.2	12.2	13.2	15.3	19.3	32.6	34.6
87.5°	3.1	3.1	4.1	4.1	5.1	5.1	6.1	9.2	10.2	15.3	15.3
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)