

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: P507430

Luminaire Tested: **VERD-S-CA1-20-722-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)  
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-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 430mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3011 lumens  
Efficiency: N/A  
Efficacy: 128.7 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

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

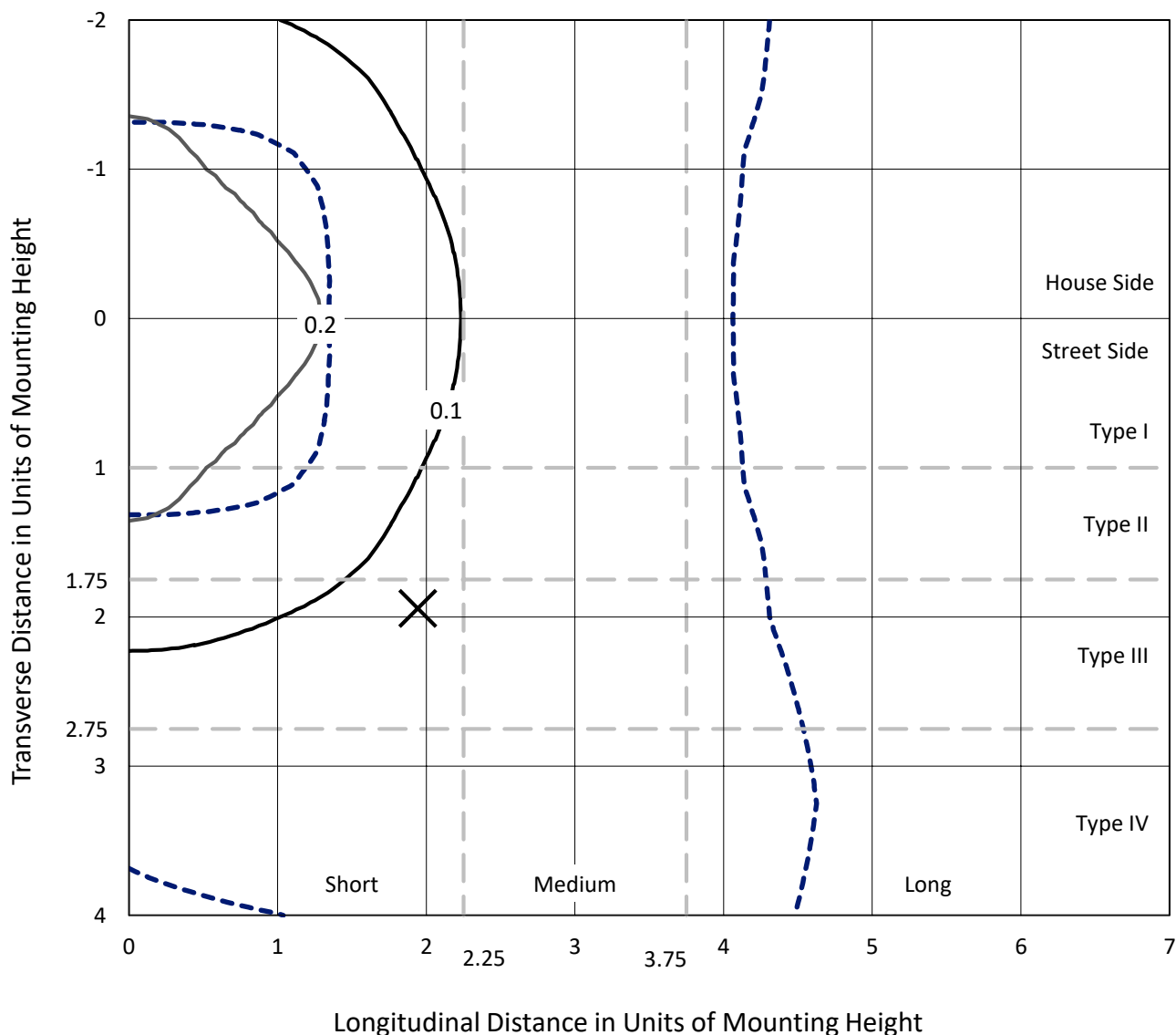


REPORT NUMBER: P507430

CATALOG NUMBER: VERD-S-CA1-20-722-U-T5

### Iso-Footcandle Lines of Horizontal Illumination

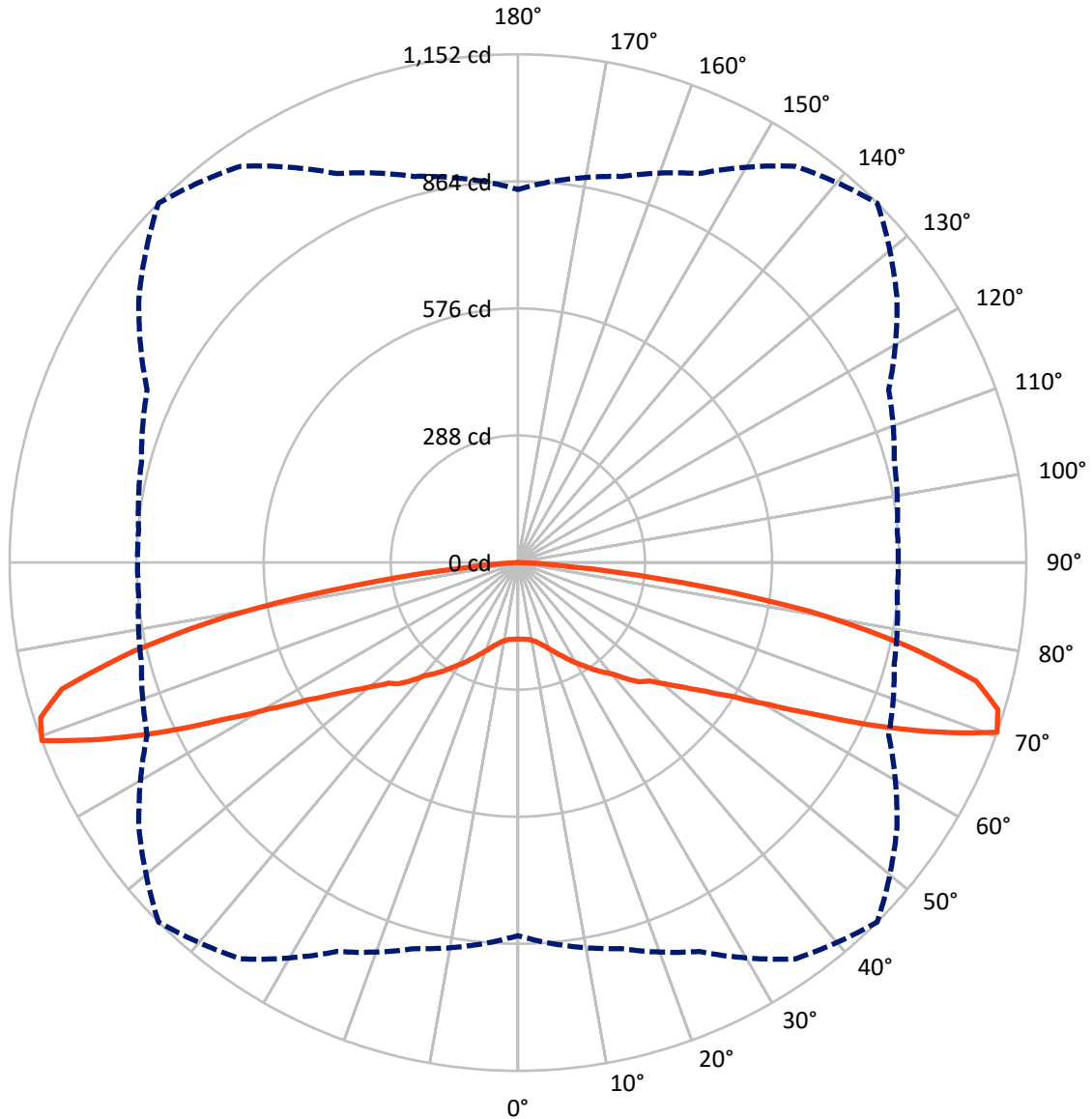
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P507430  
CATALOG NUMBER: VERD-S-CA1-20-722-U-T5

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P507430

CATALOG NUMBER: VERD-S-CA1-20-722-U-T5

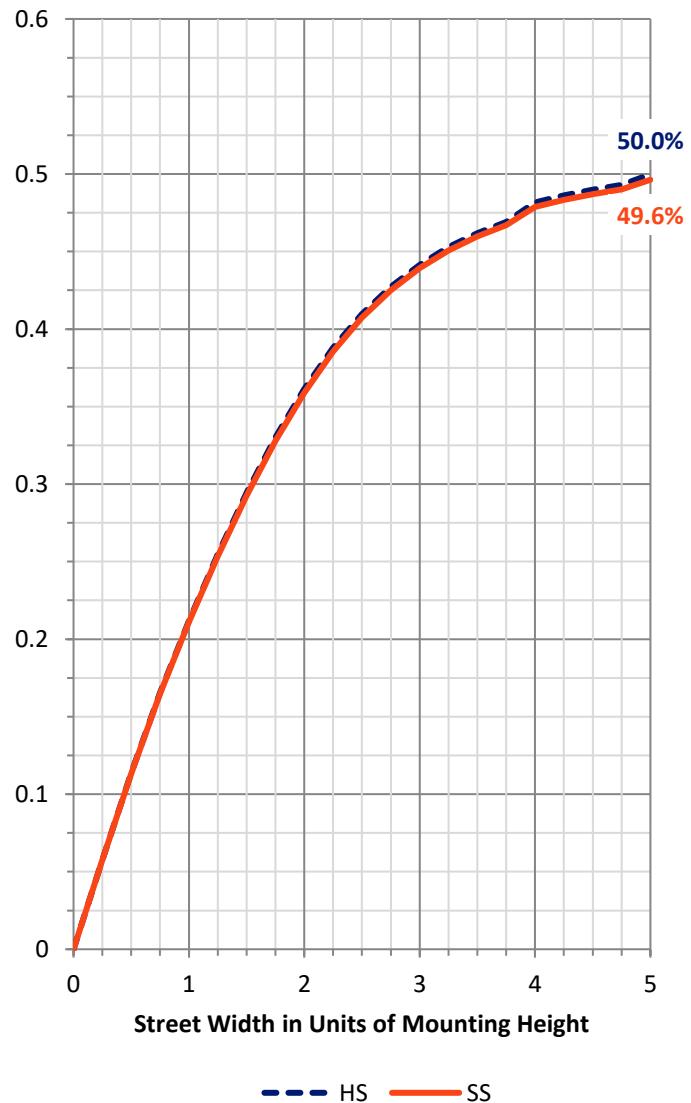
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1505.5	0.0	1505.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1505.5	0.0	1505.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3011.0	0.0	3011.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.8	0.6
10°-20°	54.4	1.8
20°-30°	107.8	3.6
30°-40°	187.6	6.2
40°-50°	307.4	10.2
50°-60°	522.7	17.4
60°-70°	868.9	28.9
70°-80°	810.5	26.9
80°-90°	134.8	4.5
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°	3011.0	100.0
0°-180°	3011.0	100.0



REPORT NUMBER: P507430

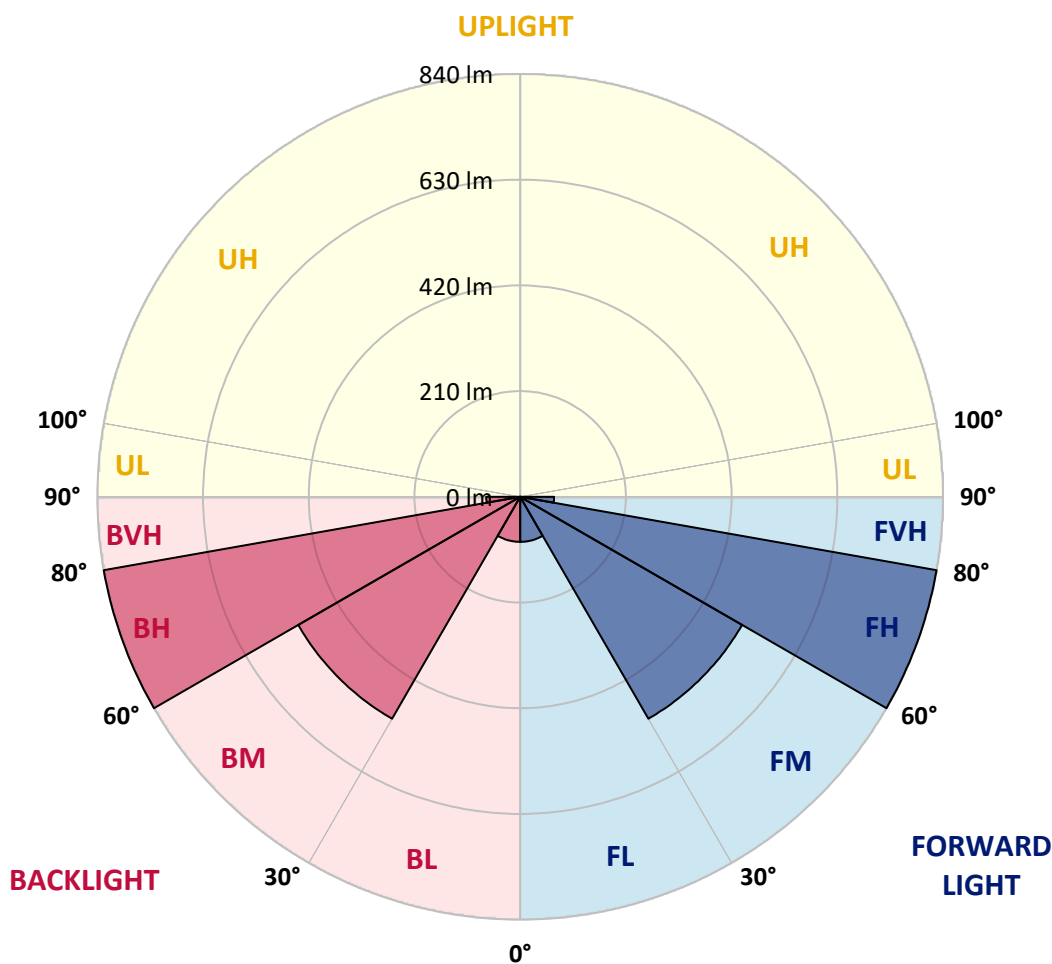
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.5	3.0			
FM (30°-60°)	508.9	16.9			
FH (60°-80°)	839.7	27.9			G1/1800
FVH (80°-90°)	67.4	2.2			G1/100
BL (0°-30°)	89.5	3.0	B0/110		
BM (30°-60°)	508.9	16.9	B1/1000		
BH (60°-80°)	839.7	27.9	B2/1000		G1/1800
BVH (80°-90°)	67.4	2.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6
2.5°	173.6	173.6	173.6	173.6	173.6	173.6	173.6	174.4	174.4	174.4	174.4
5°	175.2	175.2	174.4	174.4	174.4	175.2	175.2	175.2	175.2	176.0	176.0
7.5°	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.8	176.8	176.8
10°	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3
12.5°	182.5	182.5	183.3	183.3	184.2	184.2	183.3	183.3	182.5	181.7	181.7
15°	188.2	188.2	189.1	189.9	191.5	191.5	190.7	189.9	188.2	187.4	187.4
17.5°	193.9	193.9	194.8	196.4	198.8	199.6	198.0	196.4	194.8	193.9	193.9
20°	202.1	202.9	203.7	205.4	209.4	211.1	208.6	205.4	204.5	204.5	204.5
22.5°	214.3	214.3	214.3	216.8	220.0	222.5	219.2	217.6	215.9	215.9	215.9
25°	227.4	227.4	227.4	228.2	233.1	235.5	232.2	229.8	229.0	229.8	229.8
27.5°	242.0	242.0	242.0	242.0	246.1	250.2	246.1	243.7	244.5	244.5	244.5
30°	257.5	257.5	258.3	258.3	259.9	264.8	260.8	259.9	260.8	261.6	261.6
32.5°	275.4	276.2	275.4	275.4	277.1	280.3	277.9	277.9	279.5	281.1	281.1
35°	294.2	294.2	294.2	294.2	295.0	298.2	296.6	296.6	299.1	301.5	301.5
37.5°	314.5	315.4	312.9	312.1	313.7	315.4	314.5	316.2	320.3	323.5	324.3
40°	336.5	336.5	334.1	331.7	331.7	332.5	334.1	337.4	343.1	347.1	348.0
42.5°	364.3	366.7	362.6	359.4	357.7	359.4	361.0	366.7	372.4	375.7	375.7
45°	400.9	401.7	396.9	391.1	387.1	385.4	387.9	393.6	400.1	406.6	406.6
47.5°	445.7	444.1	433.5	416.4	404.2	400.9	405.0	418.0	433.5	443.3	444.9
50°	502.0	500.3	484.0	458.8	436.8	431.9	434.3	453.9	476.7	491.4	493.8
52.5°	568.8	564.7	546.8	513.4	480.0	468.6	474.3	500.3	529.7	548.4	550.9
55°	637.2	634.8	616.1	578.6	536.2	515.0	522.3	557.4	594.1	613.6	615.2
57.5°	704.1	704.9	687.8	653.5	603.8	572.9	582.6	624.2	665.8	685.3	685.3
60°	767.6	766.8	754.6	727.7	689.4	653.5	665.8	700.0	736.7	754.6	756.2
62.5°	828.7	827.9	823.9	806.7	784.7	758.7	759.5	782.3	811.6	824.7	827.1
65°	907.8	906.2	900.5	889.9	893.1	891.5	864.6	870.3	898.0	912.7	913.5
67.5°	913.5	923.3	942.0	973.8	1019.4	1025.9	991.7	940.4	926.5	918.4	917.6
70°	845.9	867.0	906.2	973.0	1096.8	1152.3	1048.8	927.3	883.3	863.0	862.2
72.5°	726.9	770.9	822.2	929.0	1101.7	1137.6	1054.5	879.3	808.4	775.0	770.1
75°	563.1	605.5	691.0	837.7	1036.5	1072.4	990.9	788.8	697.5	664.9	655.2
77.5°	346.3	396.9	487.3	655.2	858.1	894.7	829.6	629.1	531.3	480.0	482.4
80°	168.7	218.4	294.2	442.5	616.9	670.7	570.4	405.8	323.5	287.7	284.4
82.5°	73.3	99.4	141.8	221.6	350.4	374.8	290.1	200.5	159.7	142.6	141.0
85°	10.6	14.7	36.7	66.0	105.9	119.0	68.5	41.6	31.8	28.5	26.1
87.5°	7.3	7.3	7.3	8.1	9.8	10.6	9.0	8.1	7.3	7.3	7.3
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)