

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: P509211

Luminaire Tested: **VERD-CA2-130-730-U-T1**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509211  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-CA2-130-730-U-T1  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1180mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19068 lumens  
Efficiency: N/A  
Efficacy: 144.7 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

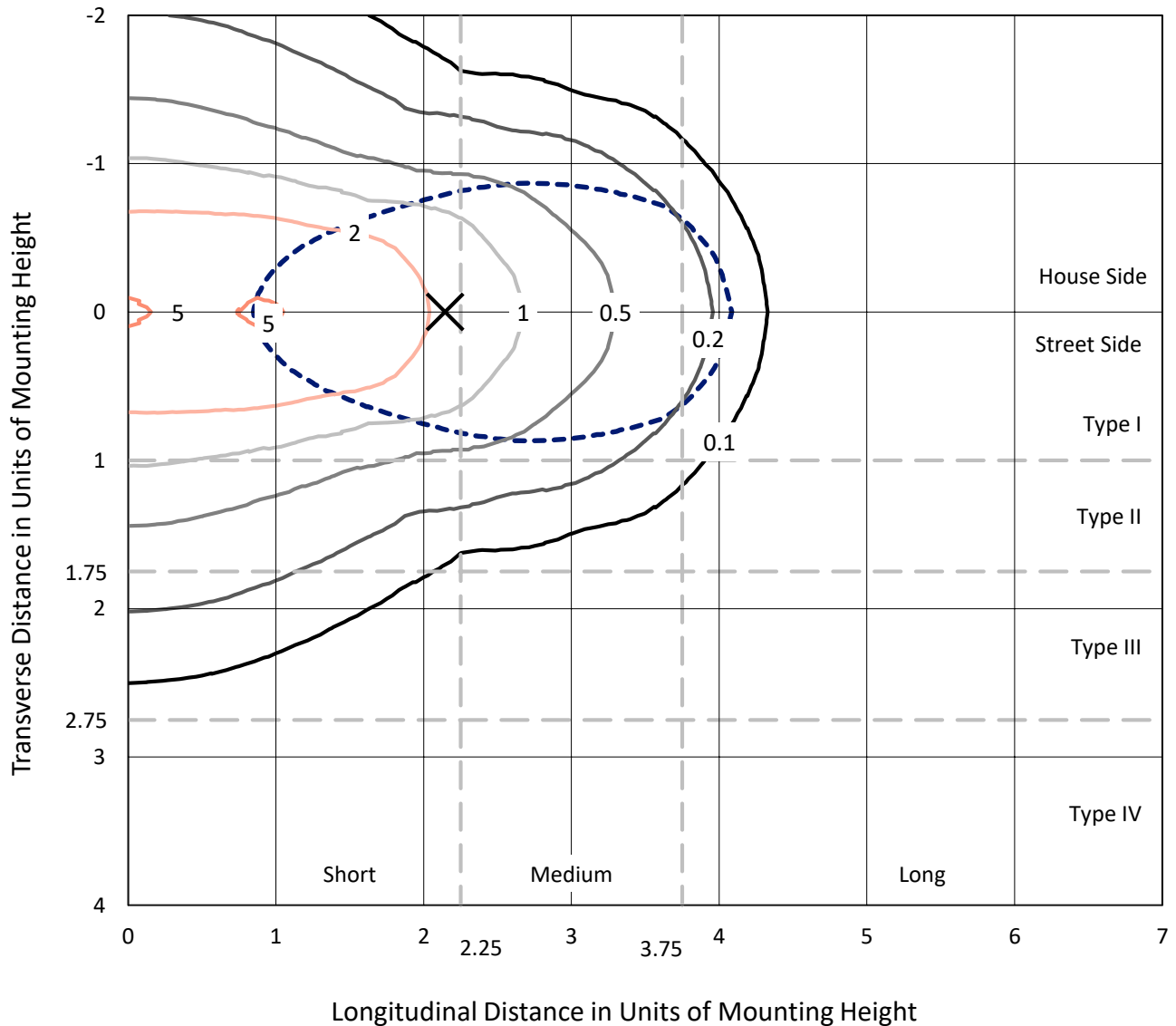
Input Watts (W): 131.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P509211  
 CATALOG NUMBER: VERD-CA2-130-730-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

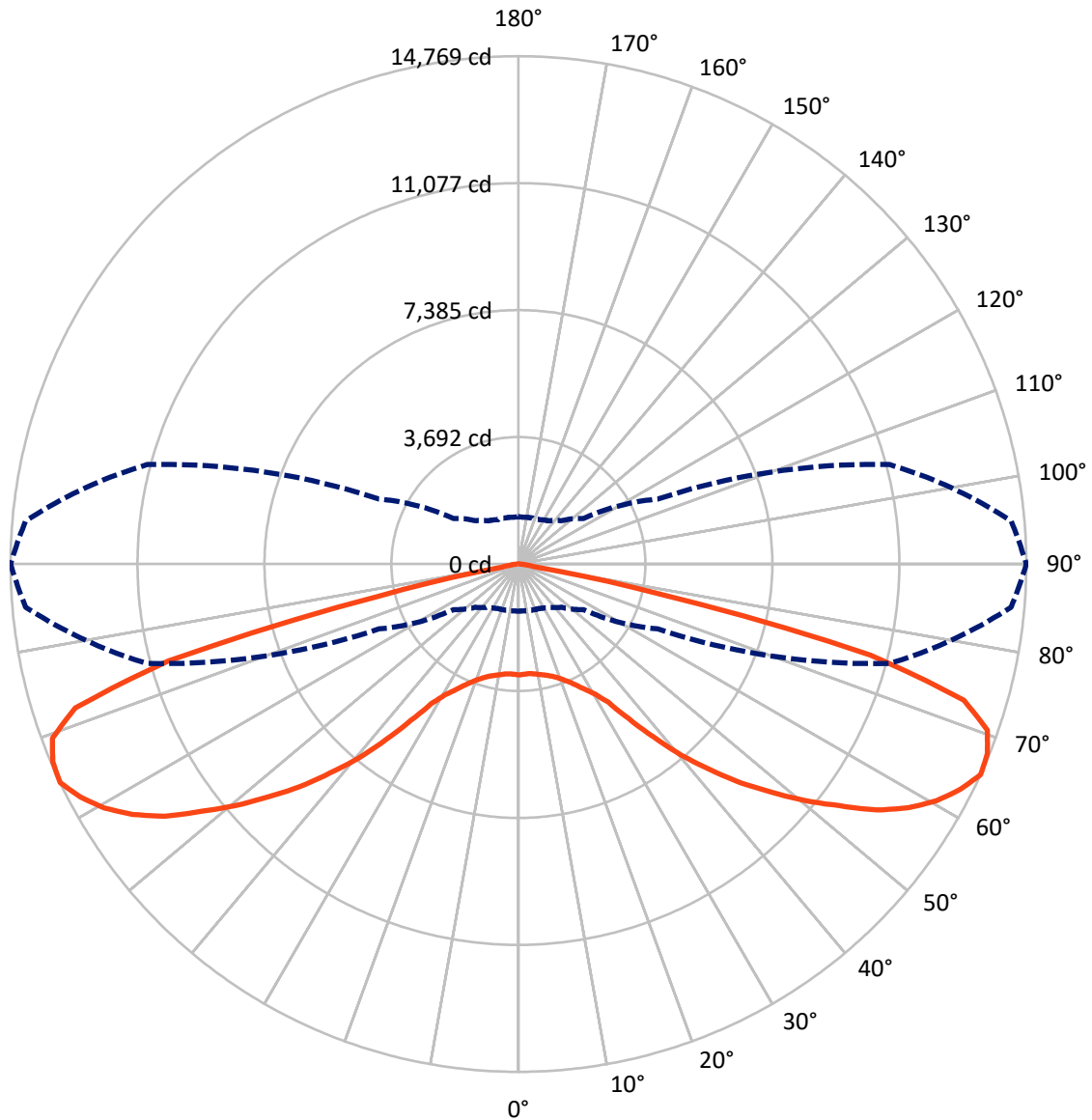
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type I - Short - N/A

REPORT NUMBER: P509211  
CATALOG NUMBER: VERD-CA2-130-730-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P509211

CATALOG NUMBER: VERD-CA2-130-730-U-T1

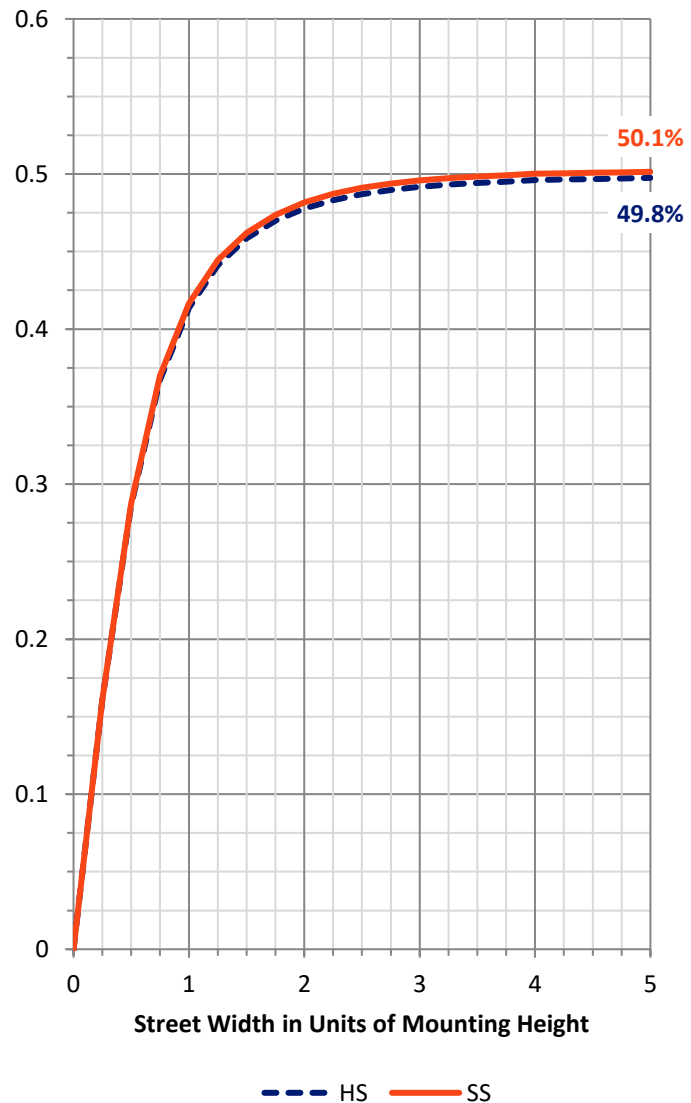
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9534.0	0.0	9534.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9534.0	0.0	9534.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19068.0	0.0	19068.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.0	1.6
10°-20°	911.4	4.8
20°-30°	1505.2	7.9
30°-40°	2221.6	11.7
40°-50°	3232.5	17.0
50°-60°	4137.8	21.7
60°-70°	4327.1	22.7
70°-80°	2334.4	12.2
80°-90°	91.9	0.5
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°	19068.0	100.0
0°-180°	19068.0	100.0



REPORT NUMBER: P509211

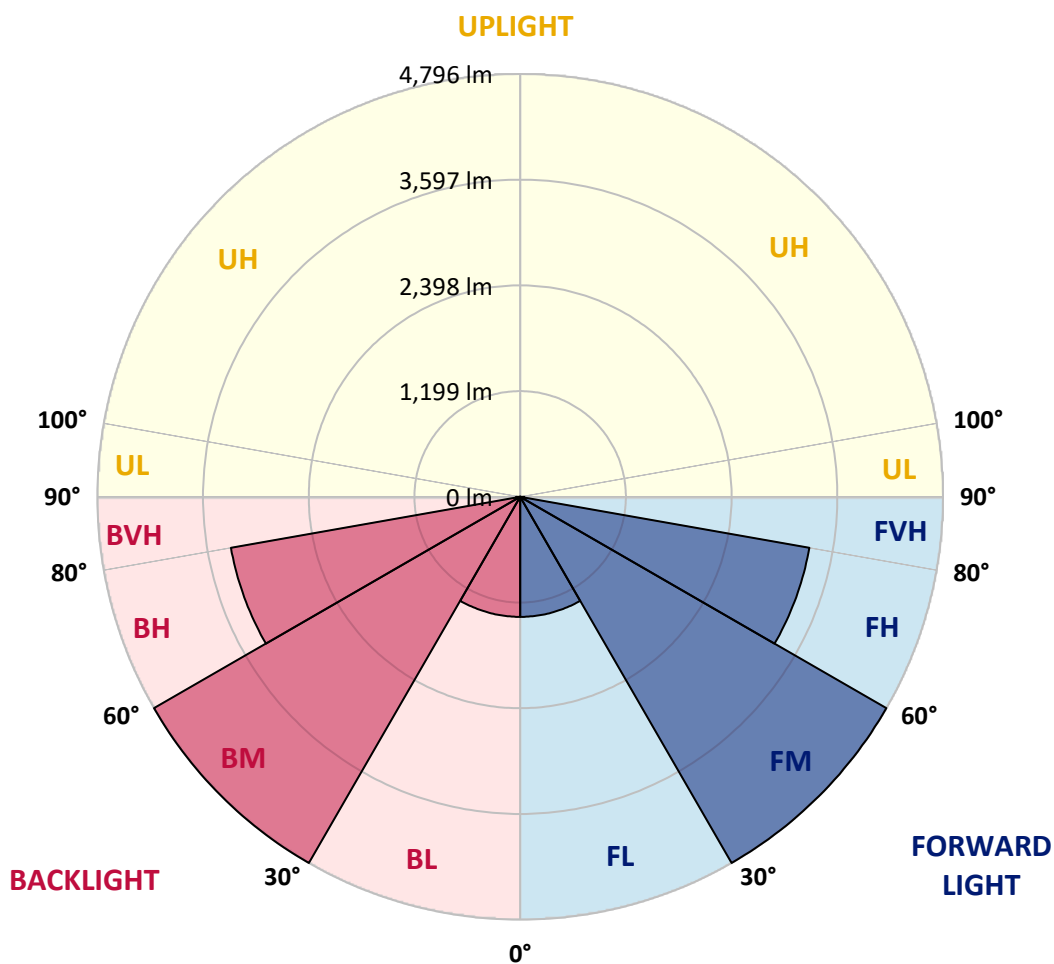
CATALOG NUMBER: VERD-CA2-130-730-U-T1

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1361.3	7.1			
FM	(30°-60°)	4796.0	25.2			
FH	(60°-80°)	3330.7	17.5			G2/5000
FVH	(80°-90°)	46.0	0.2			G1/100
BL	(0°-30°)	1361.3	7.1	B3/2500		
BM	(30°-60°)	4796.0	25.2	B3/5000		
BH	(60°-80°)	3330.7	17.5	B4/5000		G4/5000
BVH	(80°-90°)	46.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short





REPORT NUMBER: P509211  
 CATALOG NUMBER: VERD-CA2-130-730-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3226.2	3226.2	3226.2	3226.2	3226.2	3226.2	3226.2	3226.2	3226.2	3226.2	3226.2
2.5°	3208.7	3220.4	3226.2	3224.2	3212.6	3212.6	3212.6	3212.6	3208.7	3206.8	3208.7
5°	3185.4	3195.1	3206.8	3200.9	3195.1	3200.9	3200.9	3200.9	3202.9	3202.9	3202.9
7.5°	3166.0	3179.6	3185.4	3193.2	3179.6	3195.1	3218.4	3222.3	3224.2	3224.2	3224.2
10°	3148.5	3160.1	3175.7	3173.7	3179.6	3202.9	3228.1	3257.3	3259.2	3265.0	3265.0
12.5°	3105.8	3121.3	3138.8	3150.4	3158.2	3212.6	3237.8	3274.7	3303.9	3307.8	3309.7
15°	3053.3	3063.0	3082.5	3109.6	3150.4	3208.7	3265.0	3311.6	3358.3	3369.9	3369.9
17.5°	2973.7	2985.3	3012.5	3051.4	3125.2	3220.4	3309.7	3371.9	3430.1	3447.6	3451.5
20°	2864.9	2886.3	2923.2	2991.2	3090.2	3228.1	3358.3	3451.5	3527.2	3566.1	3568.0
22.5°	2734.8	2750.3	2816.4	2913.5	3053.3	3228.1	3408.8	3544.7	3649.6	3709.8	3715.6
25°	2593.0	2606.6	2692.0	2828.0	3006.7	3230.1	3459.3	3647.7	3810.8	3890.5	3898.2
27.5°	2464.8	2478.4	2575.5	2740.6	2965.9	3235.9	3513.6	3773.9	4001.2	4108.0	4129.4
30°	2346.3	2352.1	2462.9	2645.4	2921.2	3239.8	3579.7	3911.8	4201.2	4374.1	4385.7
32.5°	2235.6	2251.1	2354.1	2550.3	2868.8	3245.6	3667.1	4108.0	4521.7	4782.0	4791.7
35°	2136.5	2150.1	2253.1	2453.1	2798.9	3261.1	3762.3	4358.6	4985.9	5440.4	5516.2
37.5°	2056.9	2070.5	2161.8	2350.2	2727.0	3257.3	3886.6	4663.5	5553.1	6271.7	6386.3
40°	1992.8	2008.4	2082.2	2253.1	2631.8	3228.1	4016.7	4993.7	6170.7	7147.7	7318.6
42.5°	1938.4	1952.0	2016.1	2167.6	2528.9	3181.5	4133.2	5292.8	6767.0	8039.2	8175.2
45°	1876.3	1891.8	1954.0	2095.8	2433.7	3109.6	4210.9	5586.1	7371.1	8886.1	9080.3
47.5°	1835.5	1845.2	1893.8	2025.8	2326.9	2997.0	4224.5	5793.9	8017.9	9781.5	9915.5
50°	1798.6	1796.6	1839.4	1955.9	2227.8	2853.3	4152.7	5955.1	8633.6	10616.7	10816.8
52.5°	1746.1	1748.1	1783.0	1887.9	2130.7	2686.2	3981.7	5995.9	9266.8	11453.8	11671.4
55°	1684.0	1689.8	1722.8	1810.2	2031.7	2521.1	3690.4	5922.1	9948.5	12281.3	12630.9
57.5°	1623.8	1619.9	1652.9	1730.6	1924.8	2354.1	3358.3	5733.7	10603.1	13151.4	13370.9
60°	1553.9	1557.7	1581.0	1645.1	1812.2	2177.3	2987.3	5407.4	11044.0	13823.5	13976.9
62.5°	1474.2	1474.2	1495.6	1544.1	1682.0	1985.0	2631.8	4976.2	11292.6	14173.1	14427.5
65°	1373.2	1367.4	1390.7	1425.7	1530.5	1779.2	2307.5	4469.3	11170.3	14384.8	14769.4
67.5°	1264.4	1252.8	1264.4	1280.0	1357.7	1557.7	1979.2	4010.9	10599.2	14248.8	14711.1
70°	1122.7	1107.1	1112.9	1112.9	1165.4	1299.4	1658.7	3622.4	9295.9	13809.9	14466.4
72.5°	918.7	912.9	922.6	914.8	953.7	1043.0	1375.2	3150.4	7575.0	12757.1	13545.7
75°	559.4	567.2	598.2	652.6	687.6	755.6	1006.1	2492.0	5735.7	9624.2	10566.2
77.5°	233.1	260.3	287.5	297.2	336.0	328.3	454.5	1130.4	2323.0	3832.2	4148.8
80°	77.7	79.6	176.8	196.2	215.6	176.8	172.9	378.8	664.3	561.3	472.0
82.5°	46.6	50.5	97.1	104.9	91.3	95.2	101.0	128.2	124.3	202.0	229.2
85°	23.3	25.3	42.7	48.6	48.6	58.3	58.3	62.2	69.9	122.4	132.1
87.5°	5.8	5.8	11.7	17.5	19.4	23.3	23.3	27.2	31.1	44.7	52.4
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)