

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: P233826

Luminaire Tested: **VERD-G-C029-D-U-T1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-18)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-C029-D-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1040mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16613 lumens  
Efficiency: N/A  
Efficacy: 137.3 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B4 - U0 - G2

Input Watts (W): 121  
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: 28.75 FT

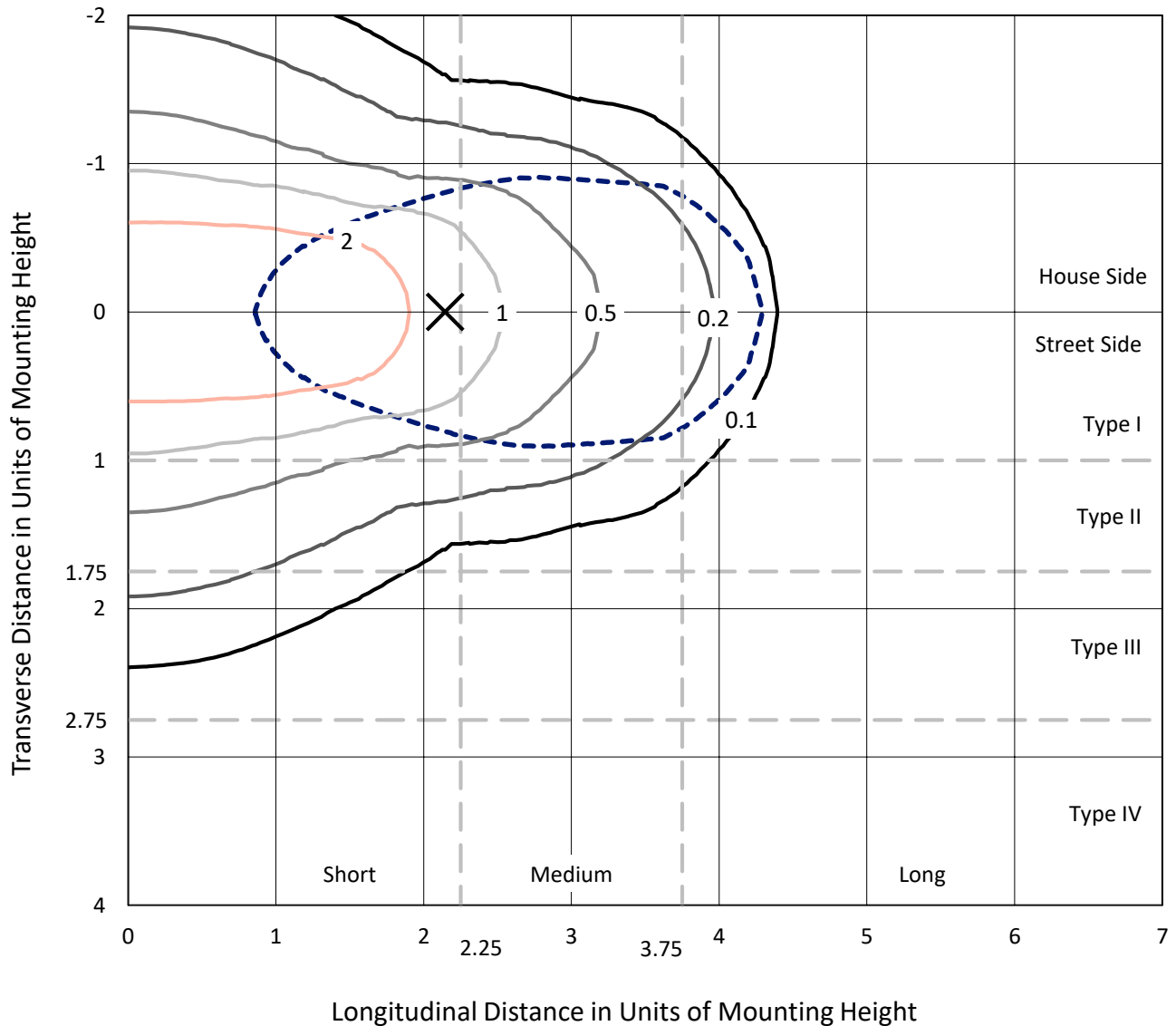


REPORT NUMBER: P233826

CATALOG NUMBER: VERD-G-C029-D-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

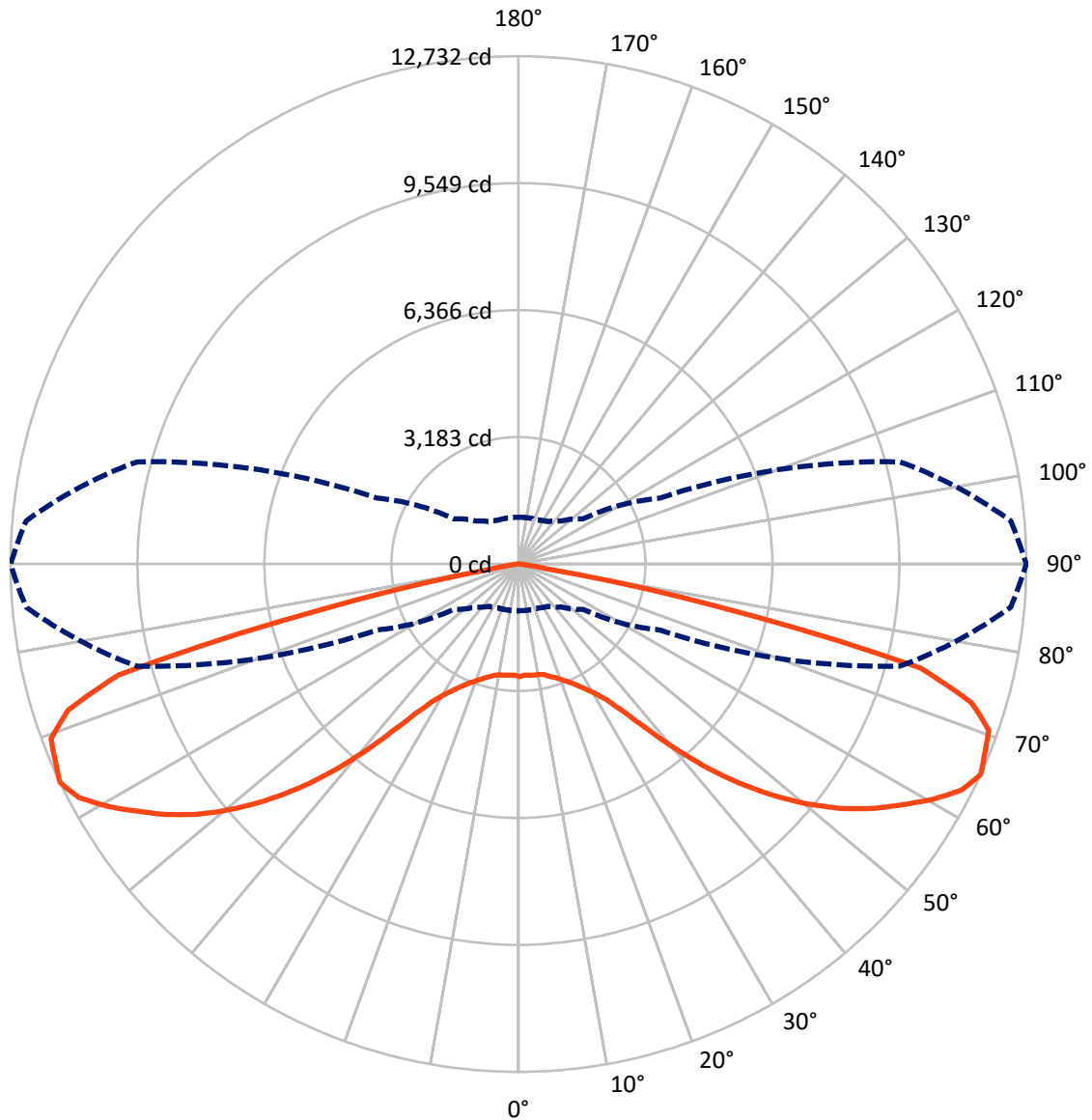


Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type V - Short - Full Cutoff

REPORT NUMBER: P233826

CATALOG NUMBER: VERD-G-C029-D-U-T1

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P233826

CATALOG NUMBER: VERD-G-C029-D-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8306.5	0.0	8306.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8306.5	0.0	8306.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16613.0	0.0	16613.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.8	1.6
10°-20°	791.1	4.8
20°-30°	1297.2	7.8
30°-40°	1875.7	11.3
40°-50°	2746.6	16.5
50°-60°	3563.1	21.4
60°-70°	3768.2	22.7
70°-80°	2212.1	13.3
80°-90°	91.1	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°	16613.0	100.0
0°-180°	16613.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P233826

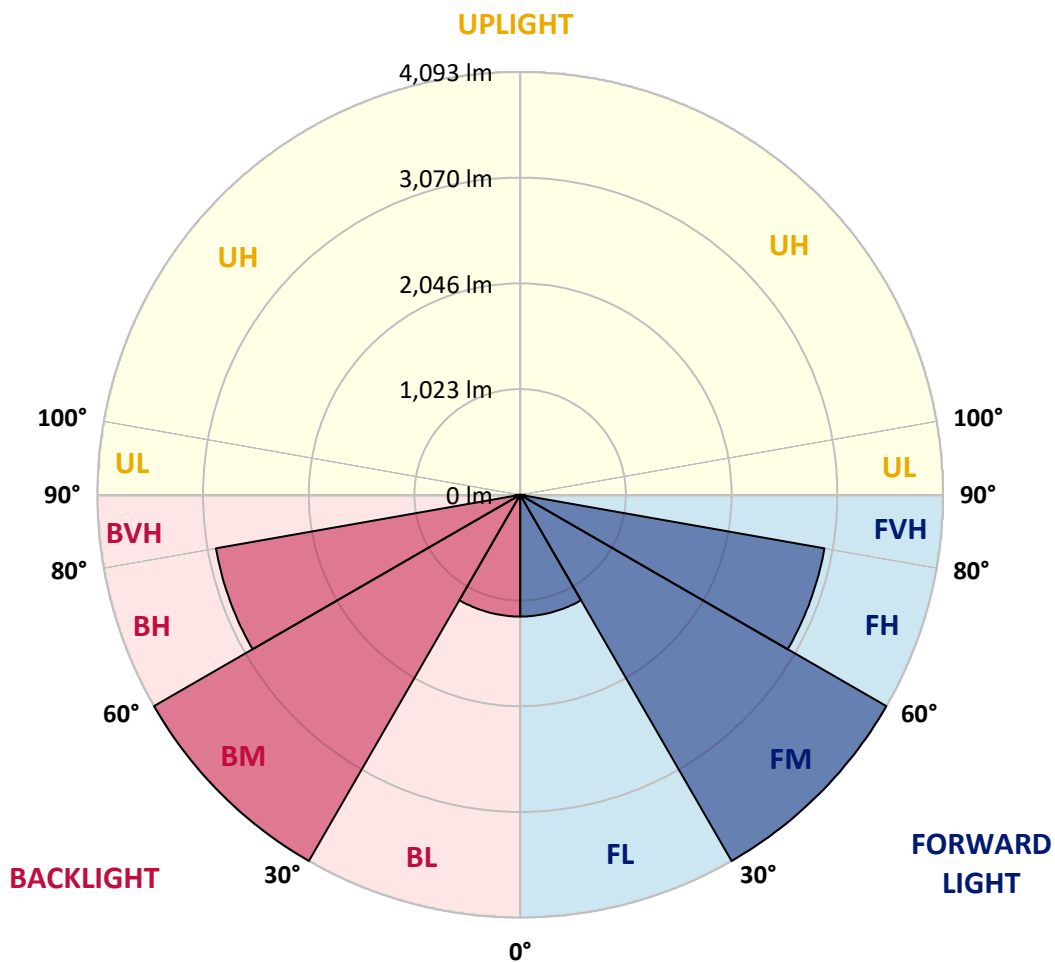
CATALOG NUMBER: VERD-G-C029-D-U-T1

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1178.1	7.1			
FM	(30°-60°)	4092.7	24.6			
FH	(60°-80°)	2990.1	18.0			G2/5000
FVH	(80°-90°)	45.6	0.3			G1/100
BL	(0°-30°)	1178.1	7.1	B3/2500		
BM	(30°-60°)	4092.7	24.6	B3/5000		
BH	(60°-80°)	2990.1	18.0	B4/5000		G2/5000
BVH	(80°-90°)	45.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





REPORT NUMBER: P233826

CATALOG NUMBER: VERD-G-C029-D-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7
2.5°	2854.9	2852.0	2836.3	2813.3	2806.2	2811.9	2810.5	2803.3	2803.3	2806.2	2787.5
5°	2837.7	2833.4	2814.8	2809.0	2810.5	2817.6	2816.2	2810.5	2813.3	2810.5	2796.1
7.5°	2807.6	2803.3	2791.8	2789.0	2786.1	2797.6	2809.0	2816.2	2824.8	2820.5	2810.5
10°	2778.9	2770.3	2771.7	2757.4	2763.1	2784.7	2796.1	2809.0	2821.9	2820.5	2817.6
12.5°	2735.9	2727.3	2731.6	2727.3	2747.4	2773.2	2807.6	2832.0	2846.3	2842.0	2846.3
15°	2682.8	2680.0	2687.1	2692.9	2728.7	2787.5	2824.8	2877.9	2909.4	2910.8	2920.9
17.5°	2622.6	2616.9	2629.8	2651.3	2717.3	2781.8	2875.0	2933.8	2979.7	2986.8	2995.4
20°	2520.8	2523.7	2543.8	2581.0	2674.2	2790.4	2905.1	2994.0	3060.0	3077.2	3095.8
22.5°	2393.2	2400.4	2437.6	2515.1	2635.5	2780.3	2938.1	3064.3	3158.9	3197.6	3209.1
25°	2259.8	2271.3	2331.5	2434.8	2591.1	2776.0	2979.7	3146.0	3280.8	3342.4	3349.6
27.5°	2140.8	2150.9	2228.3	2360.2	2549.5	2777.5	3016.9	3244.9	3427.0	3517.4	3531.7
30°	2020.4	2031.8	2112.1	2275.6	2507.9	2774.6	3060.0	3356.8	3602.0	3731.0	3752.5
32.5°	1917.1	1928.6	2011.8	2182.4	2456.3	2770.3	3111.6	3493.0	3812.8	4022.1	4050.8
35°	1829.7	1842.6	1927.2	2094.9	2390.3	2771.7	3186.1	3679.4	4139.7	4485.3	4541.2
37.5°	1756.5	1769.4	1844.0	2013.2	2322.9	2760.3	3276.5	3914.6	4572.7	5144.9	5248.1
40°	1710.7	1722.1	1778.0	1928.6	2241.2	2734.5	3381.2	4175.5	5101.8	5936.4	6117.1
42.5°	1663.3	1676.2	1722.1	1851.2	2153.7	2695.7	3472.9	4437.9	5653.9	6766.6	7024.7
45°	1611.7	1620.3	1670.5	1786.7	2067.7	2635.5	3553.2	4688.9	6233.2	7609.8	7889.4
47.5°	1568.7	1573.0	1614.6	1722.1	1977.4	2546.6	3574.7	4904.0	6818.2	8429.9	8703.8
50°	1540.0	1532.8	1571.6	1664.8	1892.8	2423.3	3537.5	5064.6	7447.7	9212.9	9472.4
52.5°	1495.6	1494.1	1524.2	1608.8	1812.5	2281.3	3404.1	5142.0	8077.2	9945.6	10186.5
55°	1454.0	1454.0	1478.4	1544.3	1727.9	2135.1	3176.1	5110.5	8680.9	10639.6	10816.0
57.5°	1393.8	1392.3	1412.4	1472.6	1628.9	1997.4	2887.9	4964.2	9171.3	11282.0	11378.1
60°	1335.0	1333.5	1345.0	1390.9	1534.3	1849.7	2579.6	4677.4	9657.4	11849.8	11964.5
62.5°	1260.4	1259.0	1270.4	1310.6	1428.2	1692.0	2277.0	4327.5	9942.7	12176.8	12473.6
65°	1171.5	1172.9	1187.3	1213.1	1296.3	1522.8	1977.4	3910.3	9895.4	12389.0	12731.7
67.5°	1086.9	1082.6	1094.1	1098.4	1160.0	1345.0	1697.7	3579.0	9534.1	12426.3	12612.7
70°	982.2	976.5	976.5	959.3	1002.3	1137.1	1435.3	3232.0	8507.4	12086.4	12510.9
72.5°	821.6	821.6	813.0	794.4	821.6	922.0	1195.9	2844.9	6892.8	11349.4	11875.6
75°	511.9	516.2	534.8	592.2	632.4	695.4	947.8	2397.5	5631.0	9442.3	10413.0
77.5°	262.4	268.1	275.3	276.7	286.8	299.7	451.7	1342.1	2862.1	4704.7	5018.7
80°	66.0	67.4	162.0	180.7	193.6	199.3	166.3	447.4	741.3	694.0	678.2
82.5°	44.5	47.3	93.2	114.7	106.1	80.3	91.8	136.2	110.4	150.6	169.2
85°	24.4	24.4	41.6	44.5	45.9	51.6	45.9	44.5	50.2	96.1	111.8
87.5°	11.5	11.5	17.2	21.5	21.5	25.8	21.5	22.9	22.9	44.5	51.6
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)