

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: P233889

Luminaire Tested: **VERD-G-C028-D-U-T5**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233889  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-16)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-C028-D-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 885mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13896 lumens  
Efficiency: N/A  
Efficacy: 134.9 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U0 - G3

Input Watts (W): 103  
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

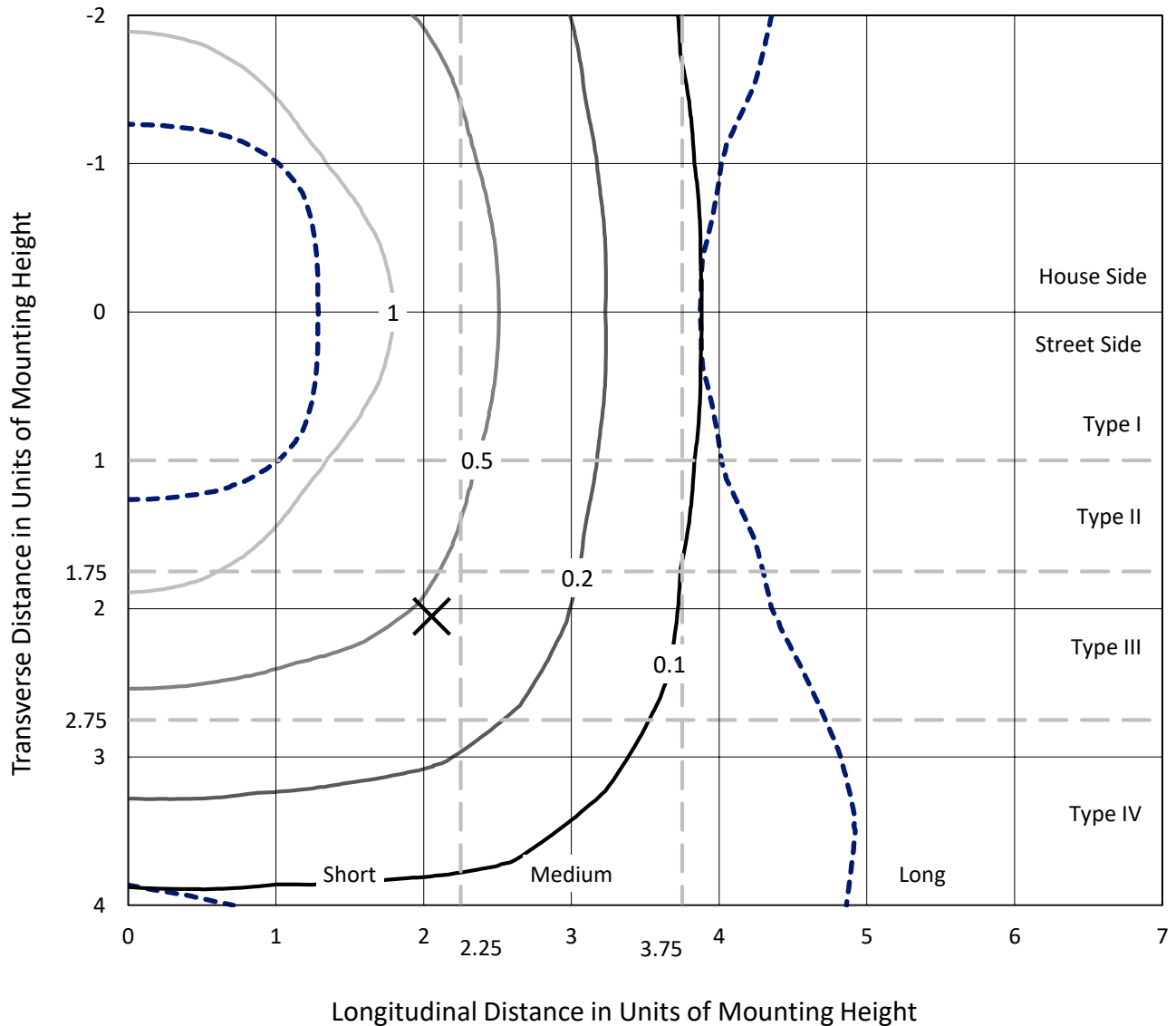


REPORT NUMBER: P233889

CATALOG NUMBER: VERD-G-C028-D-U-T5

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

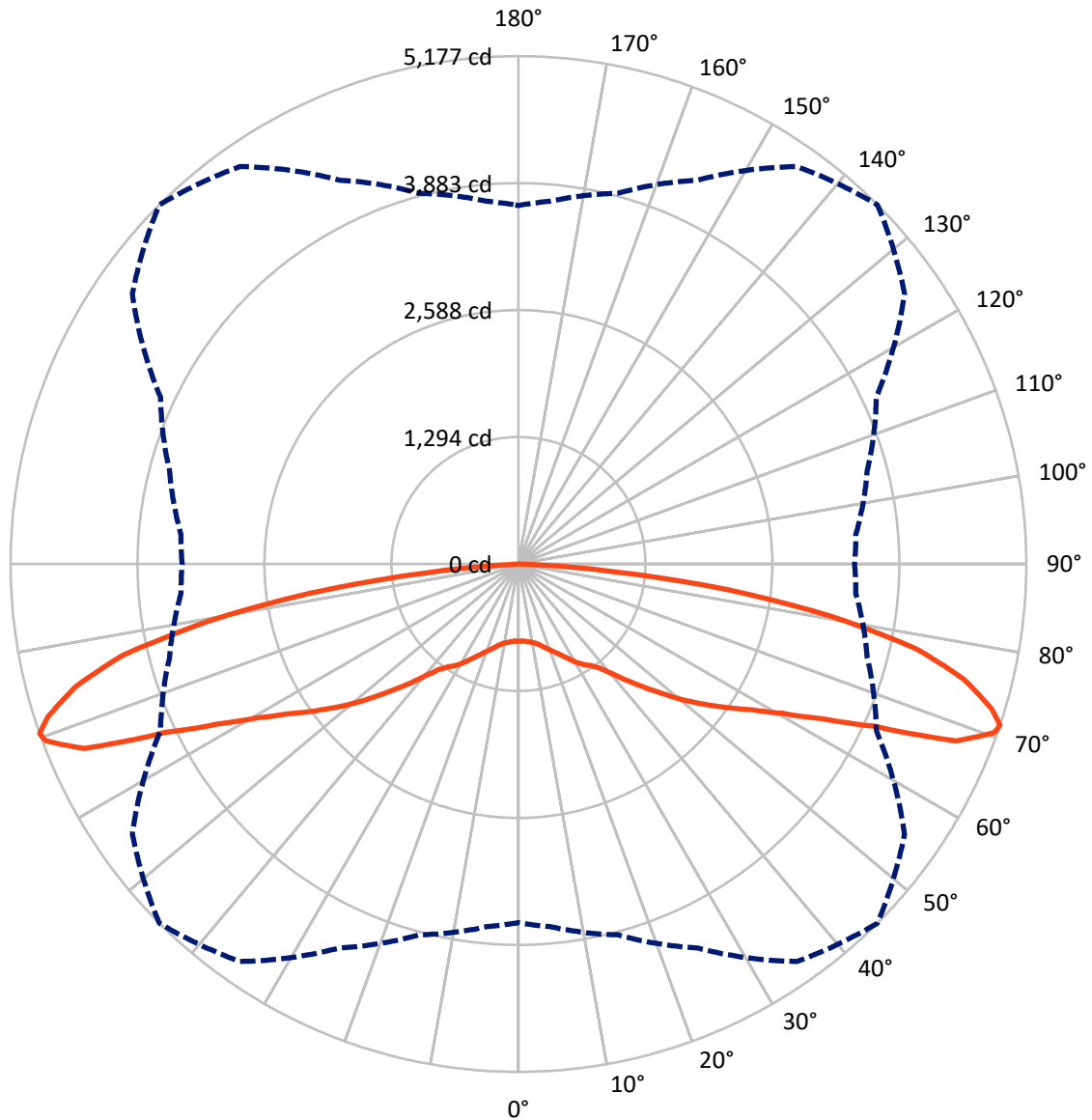


Based on 20 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P233889

CATALOG NUMBER: VERD-G-C028-D-U-T5

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P233889

CATALOG NUMBER: VERD-G-C028-D-U-T5

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6948.0	0.0	6948.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6948.0	0.0	6948.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13896.0	0.0	13896.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.5	0.6
10°-20°	245.6	1.8
20°-30°	473.5	3.4
30°-40°	800.8	5.8
40°-50°	1456.5	10.5
50°-60°	2484.2	17.9
60°-70°	3983.4	28.7
70°-80°	3622.0	26.1
80°-90°	753.5	5.4
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°	13896.0	100.0
0°-180°	13896.0	100.0



REPORT NUMBER: P233889

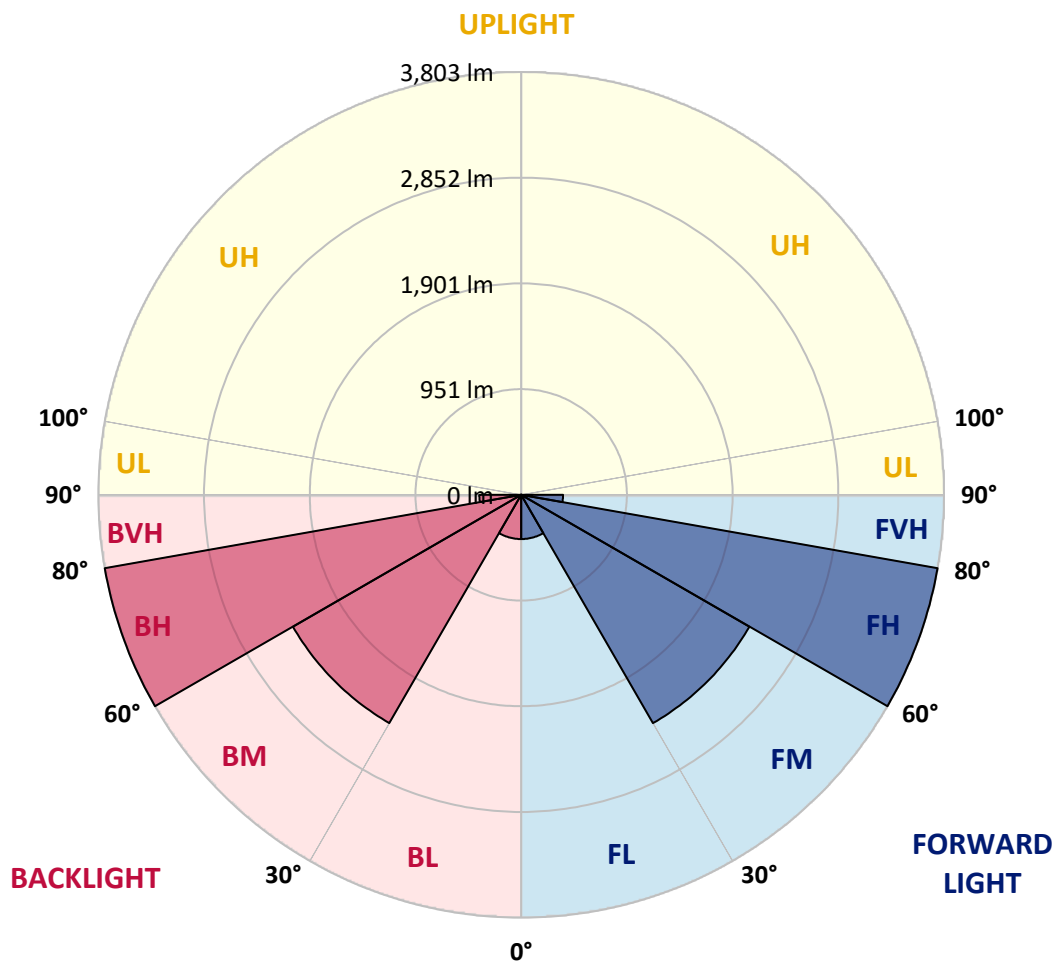
CATALOG NUMBER: VERD-G-C028-D-U-T5

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	397.8	2.9			
FM	(30°-60°)	2370.7	17.1			
FH	(60°-80°)	3802.7	27.4			G2/5000
FVH	(80°-90°)	376.7	2.7			G3/500
BL	(0°-30°)	397.8	2.9	B1/500		
BM	(30°-60°)	2370.7	17.1	B2/2500		
BH	(60°-80°)	3802.7	27.4	B4/5000		G2/5000
BVH	(80°-90°)	376.7	2.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





REPORT NUMBER: P233889

CATALOG NUMBER: VERD-G-C028-D-U-T5

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	794.7	794.7	793.5	787.3	788.5	784.8	782.3	783.6	784.8	784.8	783.6
5°	800.9	800.9	799.7	794.7	796.0	792.3	791.0	792.3	794.7	797.2	794.7
7.5°	813.3	812.1	809.6	804.6	804.6	802.2	799.7	800.9	803.4	804.6	803.4
10°	826.9	825.7	822.0	817.0	817.0	814.5	809.6	809.6	809.6	808.3	807.1
12.5°	841.8	840.5	836.8	831.9	835.6	831.9	828.2	826.9	823.2	820.7	819.5
15°	865.3	864.1	860.3	856.6	866.5	861.6	855.4	849.2	846.7	844.2	841.8
17.5°	893.8	892.5	890.0	887.6	899.9	899.9	888.8	877.7	878.9	875.2	872.7
20°	927.2	925.9	923.5	925.9	939.6	938.3	923.5	909.9	914.8	907.4	904.9
22.5°	969.3	966.8	963.1	966.8	986.6	982.9	964.3	951.9	955.7	951.9	949.5
25°	1015.1	1010.1	1005.2	1010.1	1042.3	1034.9	1016.3	1001.5	1008.9	1006.4	1005.2
27.5°	1059.6	1054.7	1051.0	1047.3	1096.8	1095.5	1070.8	1055.9	1064.6	1065.8	1067.1
30°	1103.0	1101.7	1095.5	1090.6	1143.8	1161.1	1119.1	1112.9	1119.1	1126.5	1129.0
32.5°	1161.1	1158.7	1152.5	1143.8	1179.7	1221.8	1174.8	1179.7	1189.6	1204.5	1203.2
35°	1239.1	1232.9	1224.3	1215.6	1237.9	1271.3	1250.3	1260.2	1277.5	1294.8	1292.4
37.5°	1322.1	1320.8	1312.2	1291.1	1315.9	1345.6	1339.4	1358.0	1387.7	1422.3	1417.4
40°	1440.9	1442.1	1423.6	1396.3	1417.4	1465.7	1471.9	1510.2	1562.2	1611.7	1613.0
42.5°	1627.8	1624.1	1610.5	1572.1	1585.7	1621.6	1651.4	1710.8	1775.1	1825.9	1833.3
45°	1859.3	1854.4	1827.1	1766.5	1762.8	1788.8	1832.1	1908.8	1986.8	2036.3	2040.1
47.5°	2124.2	2106.9	2064.8	1985.6	1957.1	1969.5	2014.1	2099.5	2179.9	2234.4	2230.7
50°	2385.4	2386.7	2335.9	2231.9	2175.0	2175.0	2201.0	2290.1	2371.8	2422.6	2423.8
52.5°	2680.0	2668.9	2619.4	2494.4	2401.5	2375.5	2384.2	2468.4	2552.5	2607.0	2607.0
55°	2977.1	2966.0	2917.7	2779.1	2659.0	2583.5	2574.8	2654.0	2745.7	2797.6	2803.8
57.5°	3282.9	3275.5	3224.7	3073.7	2923.9	2803.8	2784.0	2874.4	2970.9	3022.9	3026.7
60°	3601.0	3591.1	3540.4	3422.8	3239.6	3088.5	3051.4	3143.0	3258.1	3326.2	3322.5
62.5°	3971.2	3958.8	3919.2	3768.2	3638.2	3474.8	3401.7	3507.0	3644.4	3723.6	3729.8
65°	4268.3	4273.2	4310.4	4288.1	4166.8	3988.5	3915.5	4083.8	4163.0	4176.7	4166.8
67.5°	4190.3	4208.8	4290.5	4475.0	4694.1	4811.7	4524.5	4322.7	4171.7	4083.8	4071.4
70°	3853.6	3867.2	4062.8	4364.8	4945.4	5145.9	4783.2	4125.9	3809.0	3672.8	3656.7
71°	3655.5	3711.2	3913.0	4317.8	4946.6	5176.9	4804.3	4025.6	3681.5	3452.5	3427.7
72.5°	3353.5	3401.7	3655.5	4140.8	4874.8	5043.2	4581.5	3790.4	3391.8	3201.2	3138.1
75°	2734.5	2823.6	3047.7	3686.5	4546.8	4687.9	4182.8	3343.6	2916.5	2709.8	2693.7
77.5°	1944.7	2005.4	2344.6	3034.1	4008.3	4140.8	3697.6	2811.3	2359.4	2167.6	2146.5
80°	1080.7	1141.3	1499.1	2132.9	3094.7	3228.4	2829.8	2053.7	1603.1	1398.8	1314.6
82.5°	484.0	519.9	783.6	1263.9	1985.6	2158.9	1719.4	1129.0	772.4	547.1	502.6
85°	168.4	186.9	311.9	573.1	1016.3	938.3	589.2	282.2	99.0	48.3	44.6
87.5°	32.2	35.9	68.1	159.7	165.9	76.7	24.8	18.6	18.6	19.8	19.8
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)