

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: P509611

Luminaire Tested: **VERD-G-CA2-130-750-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/6/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-130-750-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5000K, 1200mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20455 lumens  
Efficiency: N/A  
Efficacy: 152.8 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

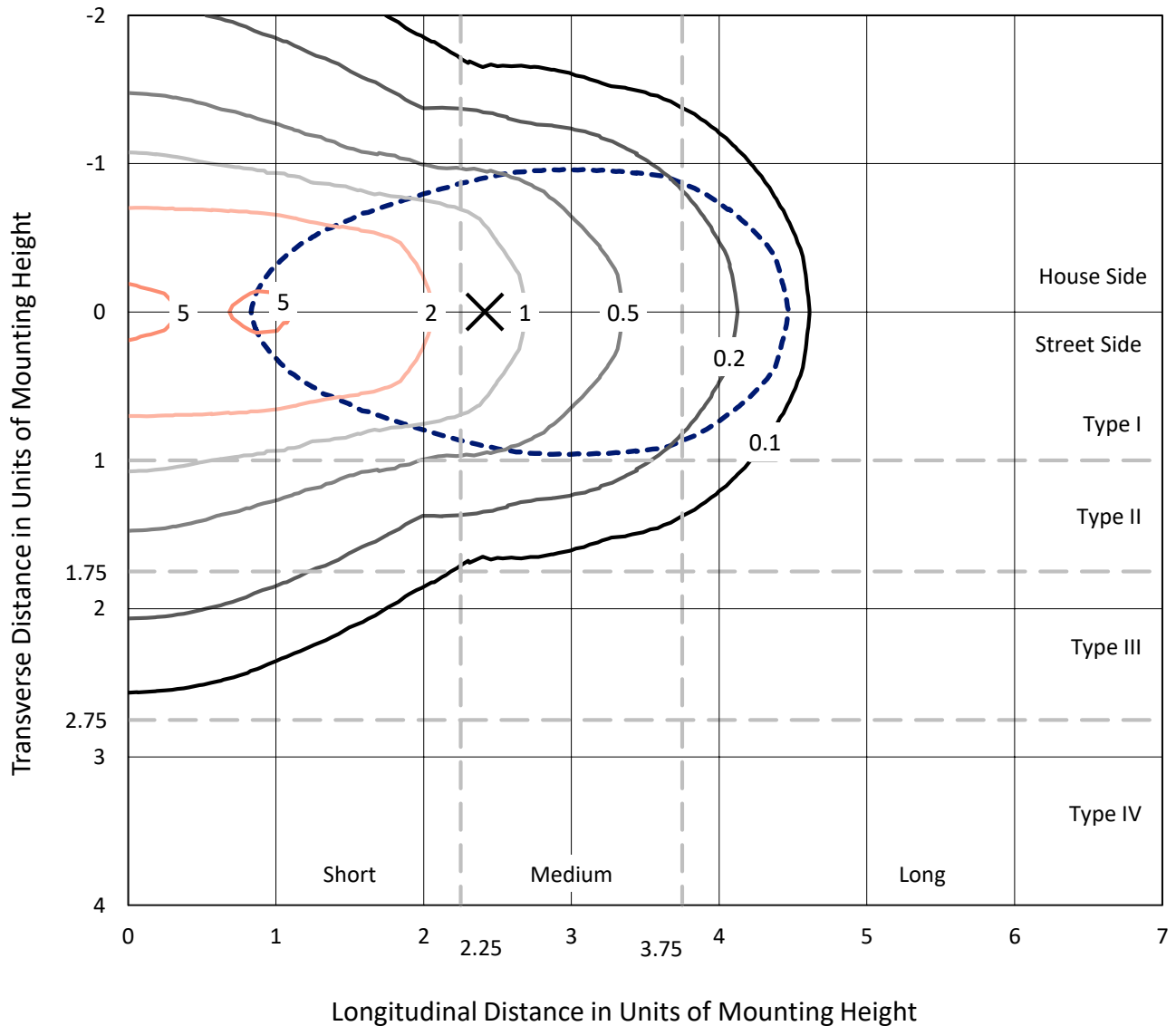
Input Watts (W): 133.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P509611  
 CATALOG NUMBER: VERD-G-CA2-130-750-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

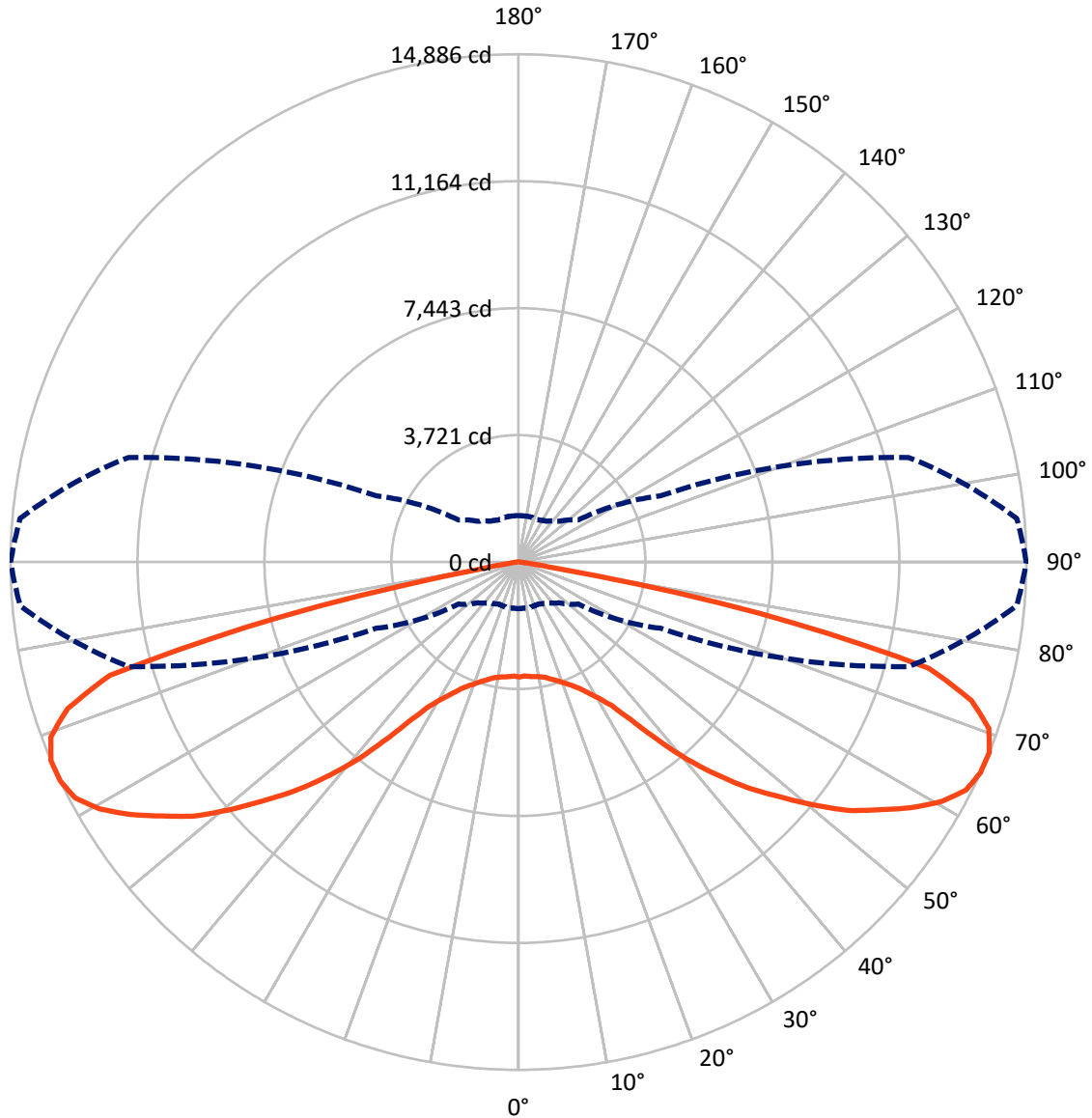
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type I - Short - N/A

REPORT NUMBER: P509611  
CATALOG NUMBER: VERD-G-CA2-130-750-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P509611

CATALOG NUMBER: VERD-G-CA2-130-750-U-T1

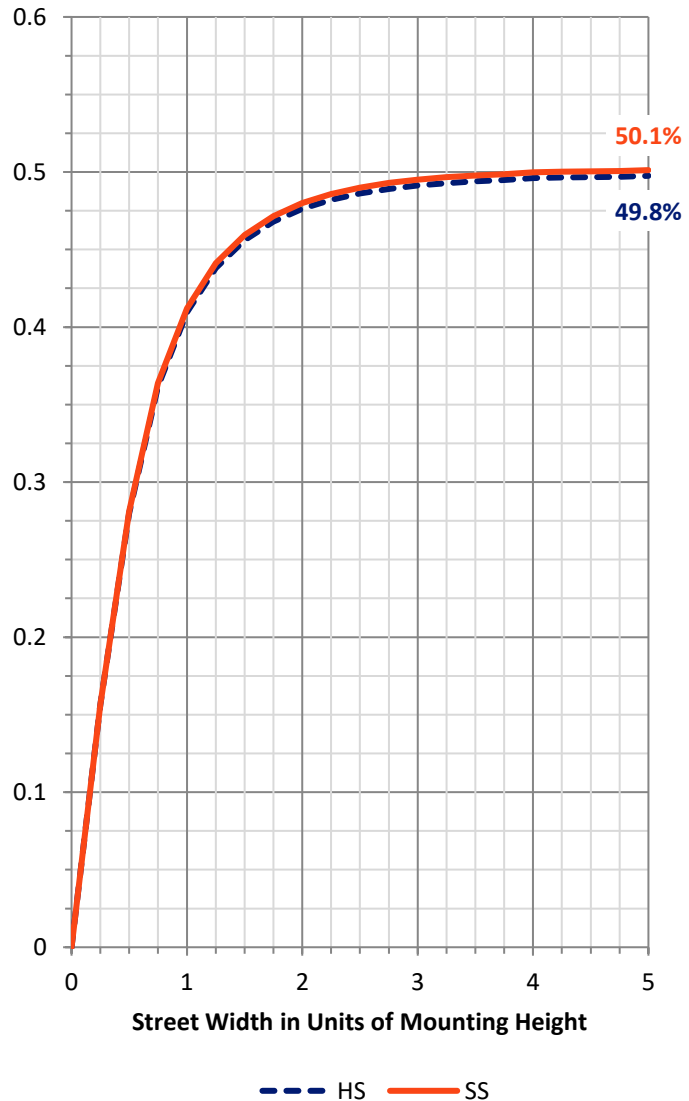
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10227.5	0.0	10227.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10227.5	0.0	10227.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20455.0	0.0	20455.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.9	1.6
10°-20°	958.6	4.7
20°-30°	1578.3	7.7
30°-40°	2305.3	11.3
40°-50°	3363.3	16.4
50°-60°	4343.7	21.2
60°-70°	4628.4	22.6
70°-80°	2824.4	13.8
80°-90°	131.1	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°	20455.0	100.0
0°-180°	20455.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P509611

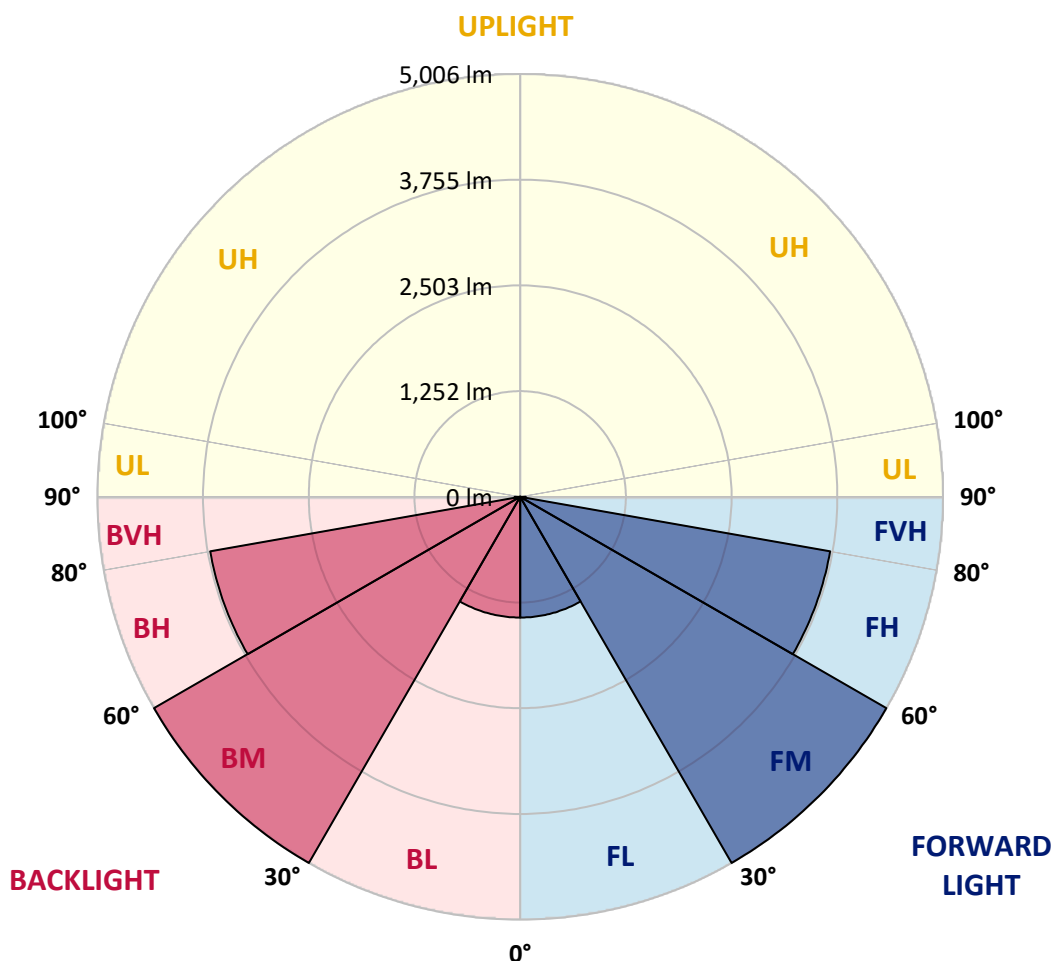
CATALOG NUMBER: VERD-G-CA2-130-750-U-T1

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1429.4	7.0			
FM	(30°-60°)	5006.1	24.5			
FH	(60°-80°)	3726.4	18.2			G2/5000
FVH	(80°-90°)	65.6	0.3			G1/100
BL	(0°-30°)	1429.4	7.0	B3/2500		
BM	(30°-60°)	5006.1	24.5	B4/8500		
BH	(60°-80°)	3726.4	18.2	B4/5000		G4/5000
BVH	(80°-90°)	65.6	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-G4**

Type I Short





REPORT NUMBER: P509611  
 CATALOG NUMBER: VERD-G-CA2-130-750-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3369.5	3369.5	3369.5	3369.5	3369.5	3369.5	3369.5	3369.5	3369.5	3369.5	3369.5
2.5°	3396.0	3403.6	3392.2	3378.3	3392.2	3374.5	3350.5	3351.8	3348.0	3351.8	3343.0
5°	3390.9	3390.9	3377.0	3353.1	3383.4	3399.8	3377.0	3368.2	3370.7	3375.8	3368.2
7.5°	3373.3	3364.4	3345.5	3348.0	3369.5	3361.9	3385.9	3396.0	3413.7	3404.8	3389.7
10°	3313.9	3334.1	3313.9	3306.3	3358.1	3351.8	3366.9	3390.9	3421.2	3414.9	3420.0
12.5°	3279.8	3293.7	3283.6	3274.8	3320.2	3368.2	3389.7	3421.2	3457.8	3462.9	3466.7
15°	3238.2	3254.6	3235.6	3243.2	3319.0	3380.8	3432.6	3481.8	3543.7	3551.3	3556.3
17.5°	3167.5	3186.4	3157.4	3205.3	3300.0	3390.9	3483.1	3558.8	3624.5	3649.7	3649.7
20°	3061.4	3075.3	3077.8	3123.3	3248.3	3396.0	3523.5	3628.3	3715.4	3763.3	3777.2
22.5°	2906.1	2923.8	2955.4	3040.0	3204.1	3380.8	3557.6	3704.0	3846.7	3893.4	3912.3
25°	2761.0	2771.1	2827.9	2957.9	3154.9	3379.6	3604.3	3816.4	3986.8	4082.7	4090.3
27.5°	2620.8	2624.6	2710.5	2860.7	3098.0	3390.9	3662.4	3941.4	4198.9	4304.9	4340.3
30°	2482.0	2493.3	2570.3	2762.2	3050.1	3385.9	3712.9	4076.4	4409.7	4591.5	4626.9
32.5°	2359.5	2377.2	2464.3	2649.9	2990.7	3389.7	3789.9	4257.0	4690.0	4994.2	5011.9
35°	2254.7	2268.6	2355.7	2543.8	2930.1	3403.6	3890.9	4490.5	5133.1	5582.5	5669.6
37.5°	2166.4	2177.7	2269.9	2441.6	2859.4	3401.0	4013.3	4767.0	5684.8	6422.1	6587.4
40°	2109.5	2122.2	2184.0	2353.2	2772.3	3383.4	4135.8	5114.2	6298.3	7406.8	7592.3
42.5°	2054.0	2069.1	2113.3	2271.1	2670.1	3336.6	4258.2	5437.4	6951.0	8337.2	8520.2
45°	2001.0	2006.0	2062.8	2194.1	2556.5	3272.3	4378.2	5726.5	7607.5	9258.8	9435.5
47.5°	1955.5	1955.5	1998.5	2124.7	2454.2	3175.0	4424.9	6014.3	8223.6	10161.4	10270.0
50°	1927.8	1913.9	1940.4	2040.1	2340.6	3016.0	4397.1	6240.3	8944.4	11027.5	11189.1
52.5°	1859.6	1854.5	1874.7	1969.4	2247.2	2860.7	4270.9	6352.6	9719.6	11773.6	12100.5
55°	1788.9	1787.6	1806.6	1884.8	2139.8	2672.6	3976.7	6385.4	10449.3	12597.9	12821.4
57.5°	1718.2	1708.1	1729.5	1807.8	2025.0	2511.0	3654.8	6231.4	11161.3	13395.8	13581.4
60°	1658.9	1651.3	1663.9	1722.0	1907.6	2307.7	3271.0	6014.3	11793.8	14035.9	14250.5
62.5°	1574.3	1575.5	1583.1	1623.5	1781.3	2115.9	2889.7	5630.5	12182.6	14516.9	14721.4
65°	1473.3	1469.5	1485.9	1504.8	1622.2	1906.3	2503.4	5075.0	12271.0	14749.1	14881.7
67.5°	1364.7	1359.7	1368.5	1360.9	1459.4	1689.2	2144.9	4589.0	11837.9	14662.0	14885.5
70°	1230.9	1230.9	1225.8	1199.3	1270.0	1425.3	1824.2	4169.9	10660.1	14384.3	14626.7
72.5°	1006.2	1008.7	1028.9	1010.0	1051.6	1152.6	1533.9	3691.4	8753.8	13508.2	13886.9
75°	618.6	618.6	635.0	703.2	820.6	876.1	1242.2	3096.8	7094.9	11552.6	12425.0
77.5°	318.1	320.7	329.5	352.2	373.7	430.5	698.1	2079.2	4500.6	6827.3	7218.7
80°	90.9	94.7	212.1	238.6	252.5	262.6	319.4	705.7	1150.1	1116.0	1054.1
82.5°	60.6	63.1	123.7	145.2	132.6	108.6	132.6	207.0	173.0	217.1	236.1
85°	31.6	34.1	51.8	56.8	56.8	65.6	60.6	61.9	69.4	132.6	147.7
87.5°	15.1	16.4	21.5	26.5	27.8	31.6	30.3	31.6	35.3	54.3	59.3
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)