

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: P233828

Luminaire Tested: **VERD-G-C02H-D-U-T1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233828  
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-C02H-D-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1370mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20321 lumens  
Efficiency: N/A  
Efficacy: 131.1 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): 155  
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

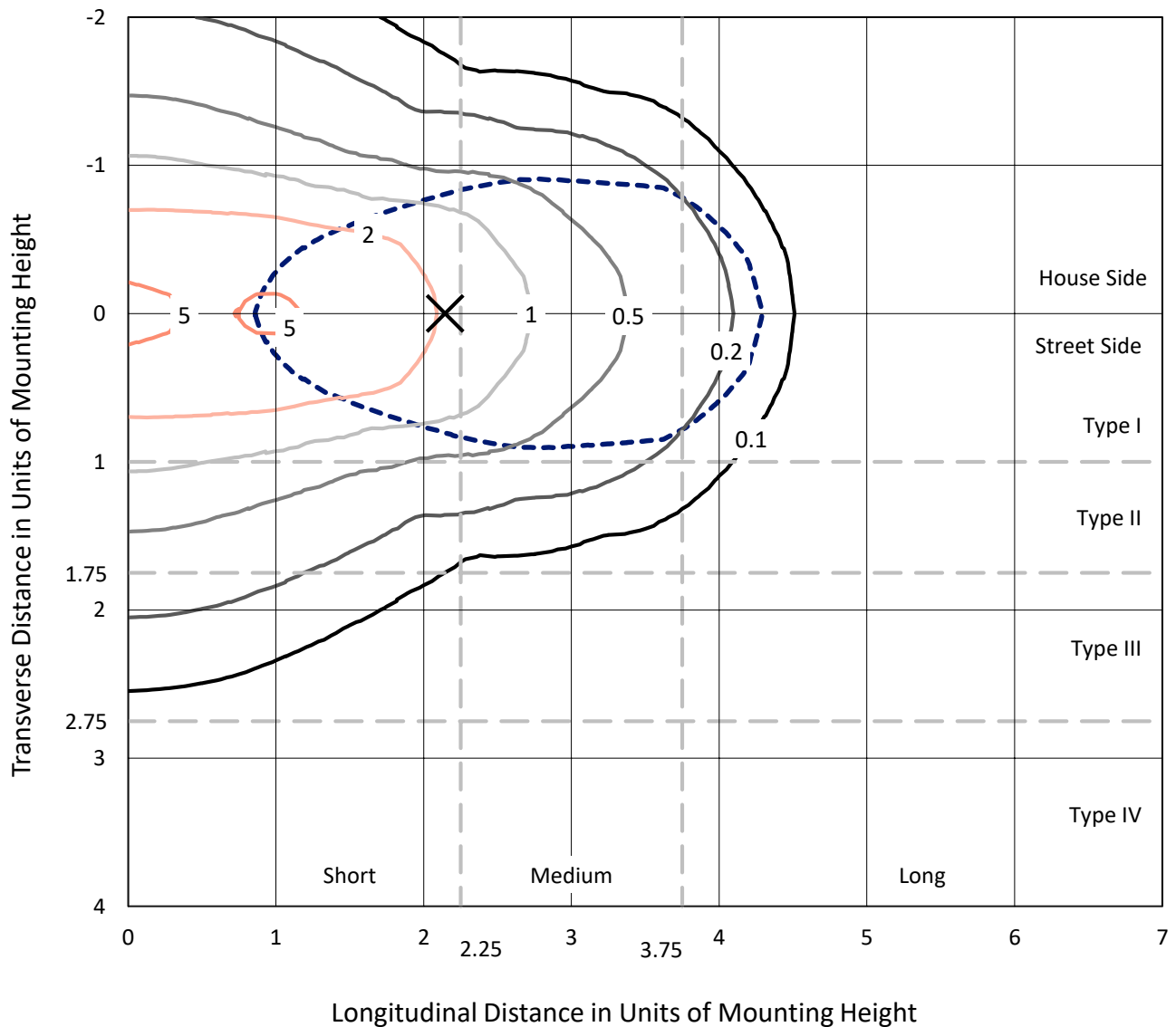


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

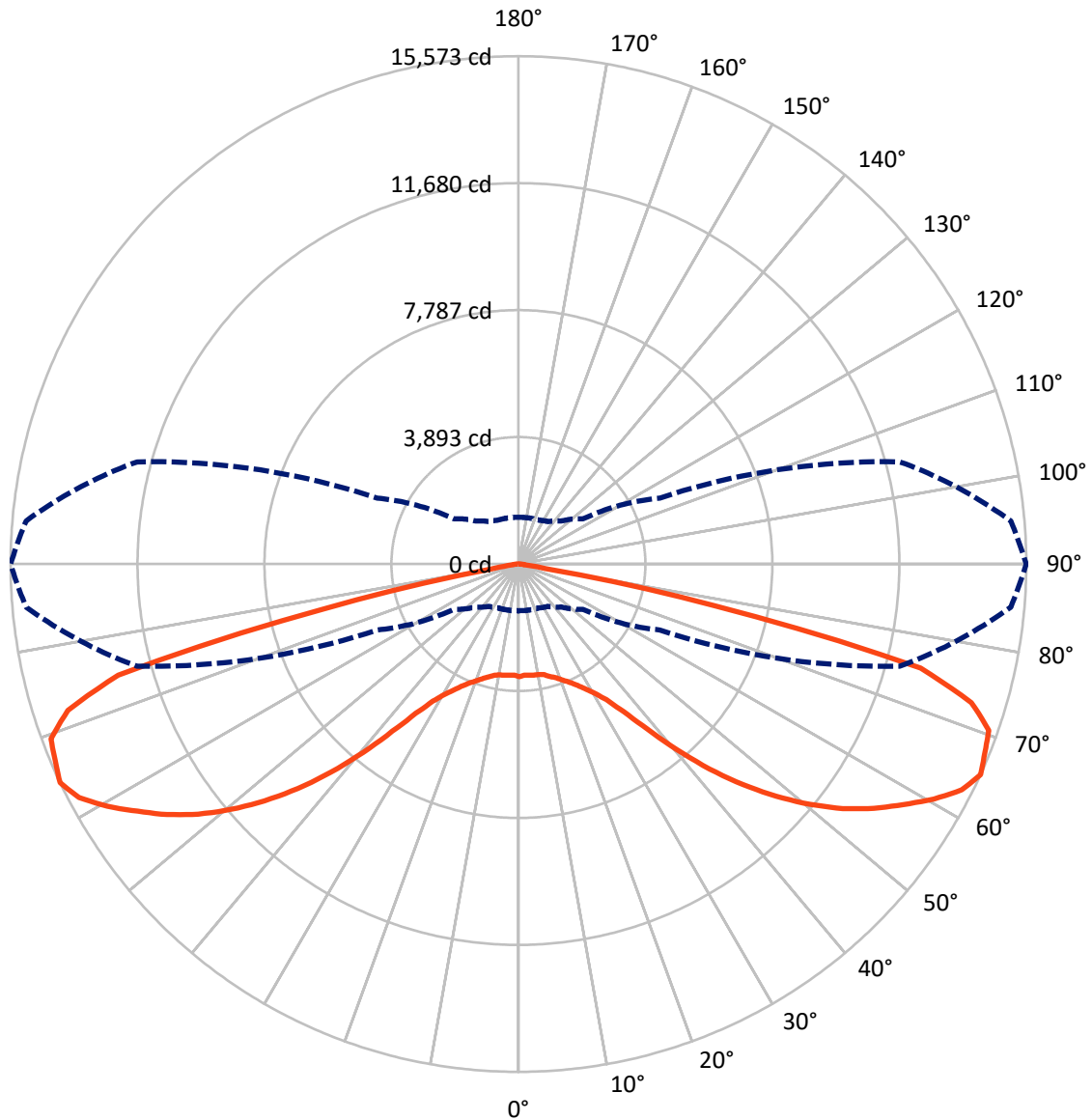


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10160.5	0.0	10160.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10160.5	0.0	10160.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20321.0	0.0	20321.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	327.6	1.6
10°-20°	967.7	4.8
20°-30°	1586.8	7.8
30°-40°	2294.4	11.3
40°-50°	3359.7	16.5
50°-60°	4358.4	21.4
60°-70°	4609.3	22.7
70°-80°	2705.8	13.3
80°-90°	111.4	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°	20321.0	100.0
0°-180°	20321.0	100.0



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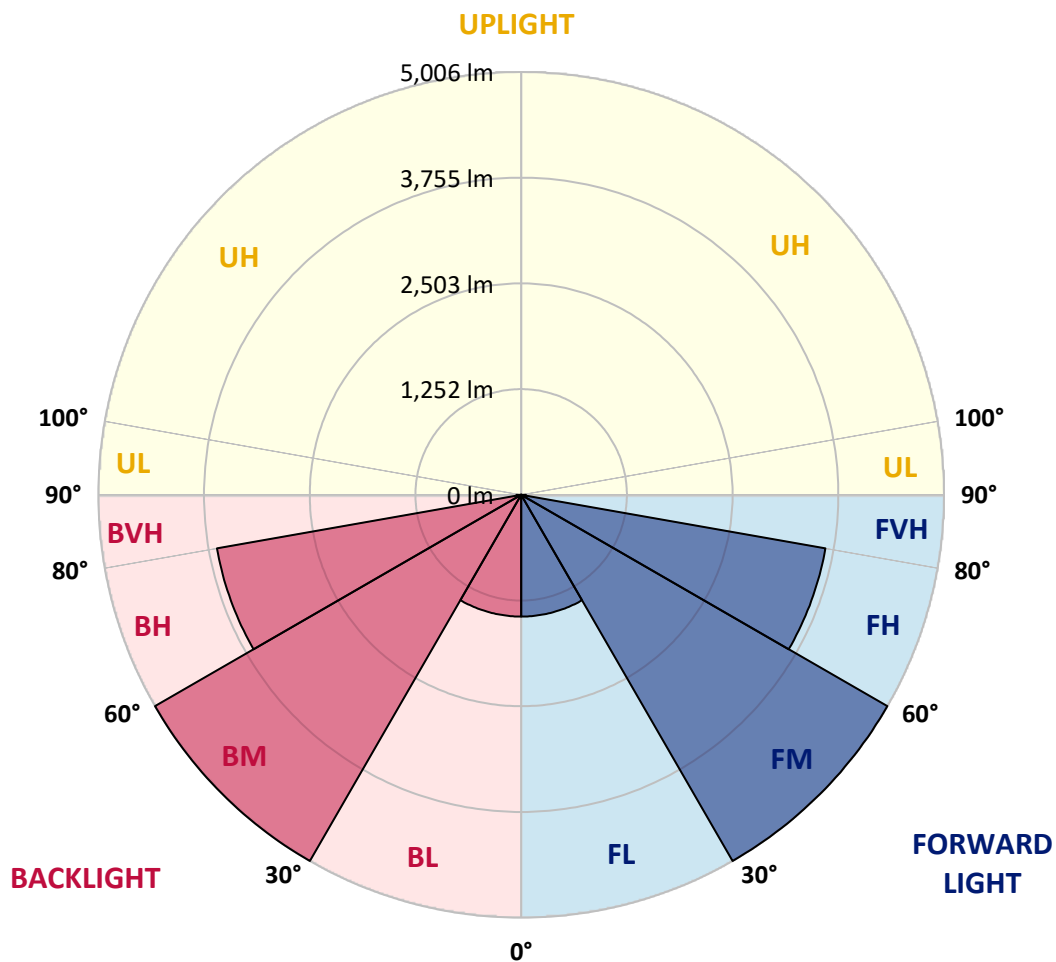
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1441.0	7.1			
FM	(30°-60°)	5006.2	24.6			
FH	(60°-80°)	3657.5	18.0			G2/5000
FVH	(80°-90°)	55.7	0.3			G1/100
BL	(0°-30°)	1441.0	7.1	B3/2500		
BM	(30°-60°)	5006.2	24.6	B4/8500		
BH	(60°-80°)	3657.5	18.0	B4/5000		G2/5000
BVH	(80°-90°)	55.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3458.8	3458.8	3458.8	3458.8	3458.8	3458.8	3458.8	3458.8	3458.8	3458.8	3458.8
2.5°	3492.1	3488.6	3469.3	3441.3	3432.5	3439.5	3437.8	3429.0	3429.0	3432.5	3409.7
5°	3471.1	3465.8	3443.0	3436.0	3437.8	3446.5	3444.8	3437.8	3441.3	3437.8	3420.2
7.5°	3434.2	3429.0	3415.0	3411.4	3407.9	3422.0	3436.0	3444.8	3455.3	3450.0	3437.8
10°	3399.2	3388.6	3390.4	3372.9	3379.9	3406.2	3420.2	3436.0	3451.8	3450.0	3446.5
12.5°	3346.5	3336.0	3341.3	3336.0	3360.6	3392.1	3434.2	3464.1	3481.6	3476.3	3481.6
15°	3281.7	3278.1	3286.9	3293.9	3337.8	3409.7	3455.3	3520.2	3558.8	3560.5	3572.8
17.5°	3208.0	3201.0	3216.8	3243.1	3323.7	3402.7	3516.7	3588.6	3644.7	3653.5	3664.0
20°	3083.5	3087.0	3111.5	3157.1	3271.1	3413.2	3553.5	3662.3	3742.9	3764.0	3786.8
22.5°	2927.4	2936.1	2981.7	3076.4	3223.8	3400.9	3593.9	3748.2	3864.0	3911.3	3925.4
25°	2764.2	2778.3	2851.9	2978.2	3169.4	3395.7	3644.7	3848.2	4013.0	4088.5	4097.2
27.5°	2618.7	2630.9	2725.6	2887.0	3118.5	3397.4	3690.3	3969.2	4192.0	4302.5	4320.0
30°	2471.3	2485.4	2583.6	2783.5	3067.7	3393.9	3742.9	4106.0	4405.9	4563.8	4590.1
32.5°	2345.0	2359.1	2460.8	2669.5	3004.5	3388.6	3806.1	4272.6	4663.8	4919.8	4954.9
35°	2238.0	2253.8	2357.3	2562.5	2923.8	3390.4	3897.3	4500.6	5063.7	5486.4	5554.8
37.5°	2148.6	2164.4	2255.6	2462.6	2841.4	3376.4	4007.8	4788.3	5593.4	6293.2	6419.5
40°	2092.5	2106.5	2174.9	2359.1	2741.4	3344.8	4135.8	5107.5	6240.6	7261.4	7482.4
42.5°	2034.6	2050.4	2106.5	2264.4	2634.4	3297.4	4248.1	5428.5	6915.8	8276.9	8592.6
45°	1971.4	1982.0	2043.4	2185.4	2529.2	3223.8	4346.3	5735.4	7624.4	9308.2	9650.3
47.5°	1918.8	1924.1	1975.0	2106.5	2418.7	3115.0	4372.6	5998.5	8340.1	10311.5	10646.5
50°	1883.7	1875.0	1922.3	2036.3	2315.2	2964.2	4327.0	6195.0	9110.0	11269.2	11586.6
52.5°	1829.4	1827.6	1864.5	1967.9	2217.0	2790.5	4163.9	6289.7	9880.0	12165.4	12460.1
55°	1778.5	1778.5	1808.3	1889.0	2113.5	2611.6	3885.0	6251.1	10618.4	13014.3	13230.1
57.5°	1704.8	1703.1	1727.6	1801.3	1992.5	2443.3	3532.5	6072.2	11218.3	13800.1	13917.6
60°	1632.9	1631.2	1645.2	1701.3	1876.7	2262.6	3155.4	5721.4	11812.9	14494.7	14635.0
62.5°	1541.7	1540.0	1554.0	1603.1	1746.9	2069.7	2785.3	5293.4	12161.9	14894.6	15257.7
65°	1433.0	1434.7	1452.3	1483.8	1585.6	1862.7	2418.7	4783.0	12104.0	15154.2	15573.4
67.5°	1329.5	1324.2	1338.3	1343.5	1418.9	1645.2	2076.7	4377.9	11662.0	15199.8	15427.8
70°	1201.5	1194.4	1194.4	1173.4	1226.0	1390.9	1755.7	3953.4	10406.2	14784.1	15303.3
72.5°	1005.0	1005.0	994.5	971.7	1005.0	1127.8	1462.8	3479.8	8431.3	13882.6	14526.3
75°	626.2	631.4	654.2	724.4	773.5	850.7	1159.4	2932.6	6887.8	11549.8	12737.2
77.5°	321.0	328.0	336.8	338.5	350.8	366.6	552.5	1641.7	3500.9	5754.7	6138.8
80°	80.7	82.4	198.2	221.0	236.8	243.8	203.5	547.2	906.8	848.9	829.6
82.5°	54.4	57.9	114.0	140.3	129.8	98.2	112.3	166.6	135.1	184.2	207.0
85°	29.8	29.8	50.9	54.4	56.1	63.1	56.1	54.4	61.4	117.5	136.8
87.5°	14.0	14.0	21.0	26.3	26.3	31.6	26.3	28.1	28.1	54.4	63.1
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)