

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: P509603

Luminaire Tested: **VERD-G-CA2-130-740-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509603  
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-CA2-130-740-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1200mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20086 lumens  
Efficiency: N/A  
Efficacy: 150.0 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

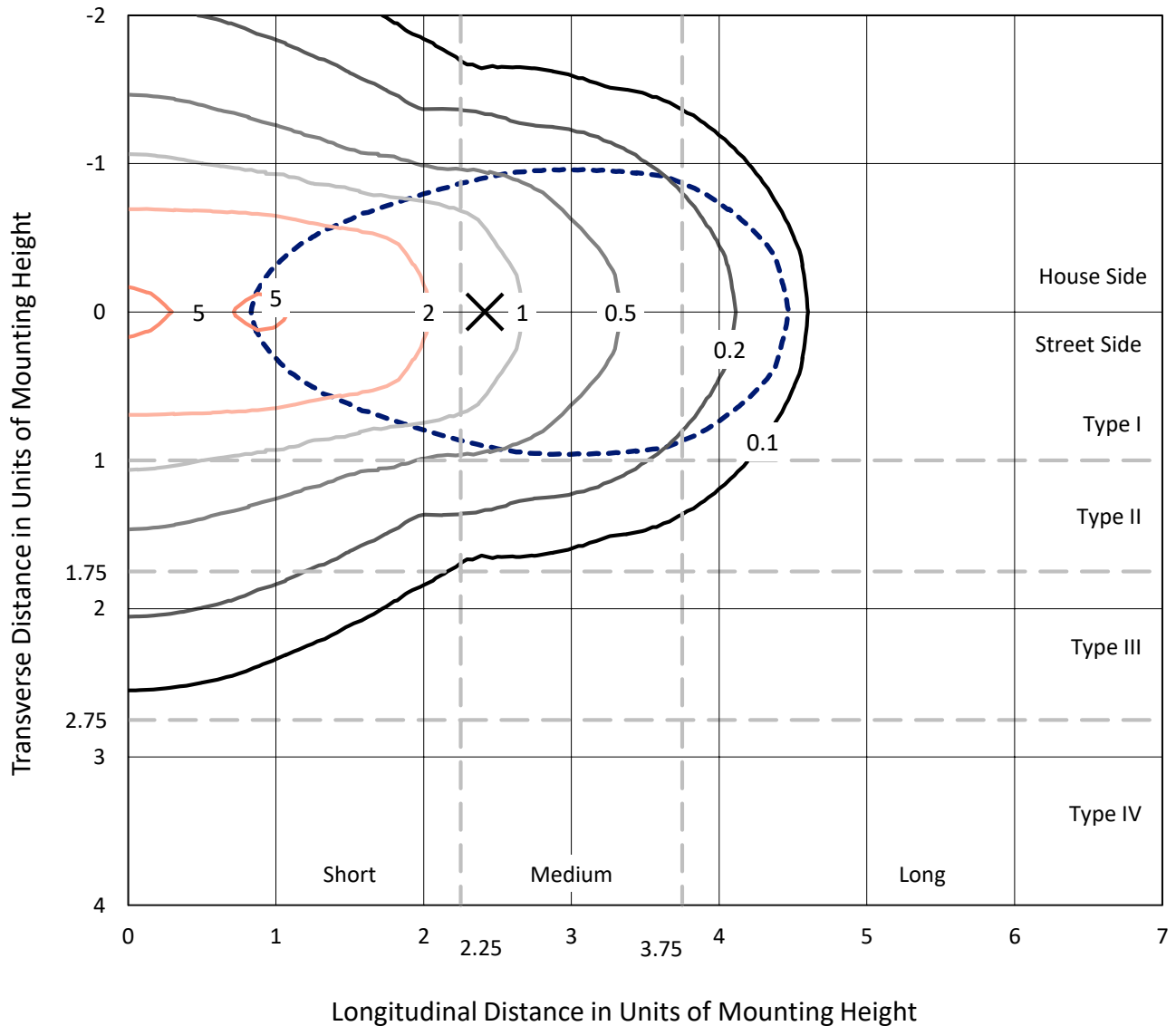
Input Watts (W): 133.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

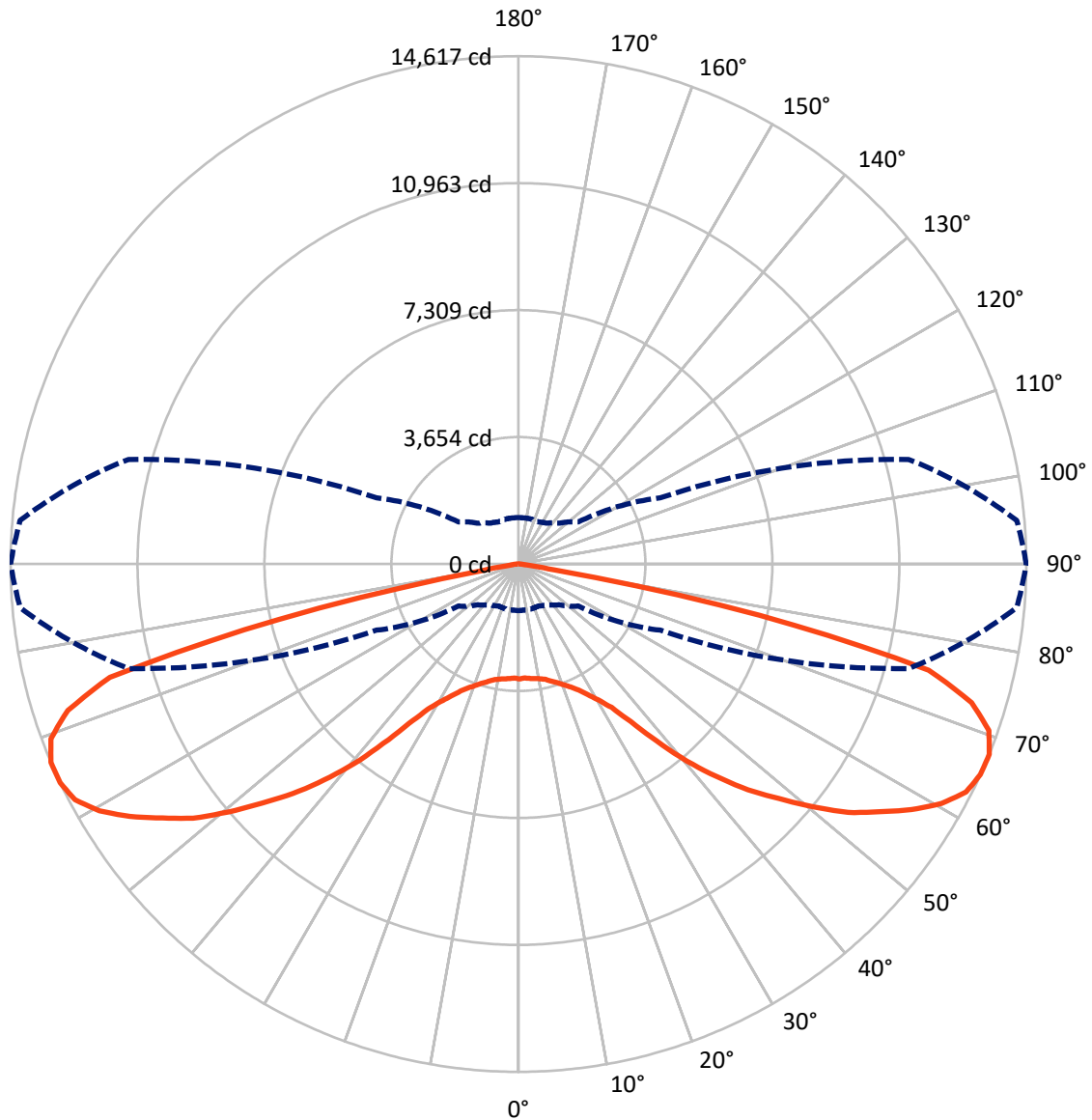
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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

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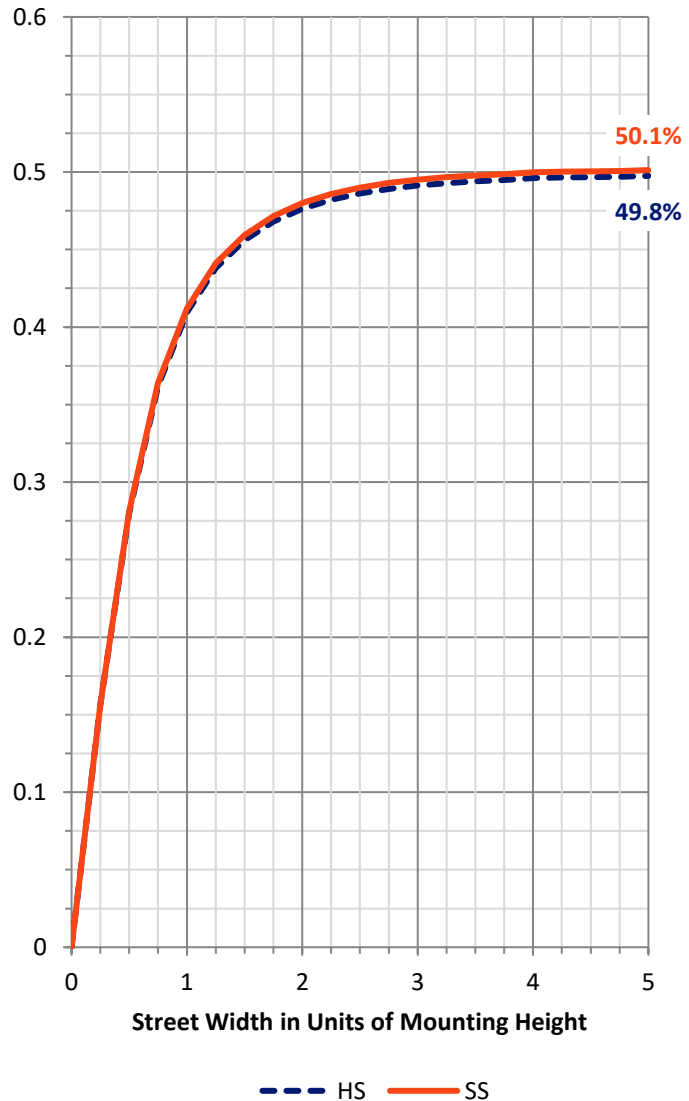
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10043.0	0.0	10043.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10043.0	0.0	10043.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20086.0	0.0	20086.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.1	1.6
10°-20°	941.3	4.7
20°-30°	1549.8	7.7
30°-40°	2263.7	11.3
40°-50°	3302.6	16.4
50°-60°	4265.3	21.2
60°-70°	4544.9	22.6
70°-80°	2773.4	13.8
80°-90°	128.7	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°	20086.0	100.0
0°-180°	20086.0	100.0



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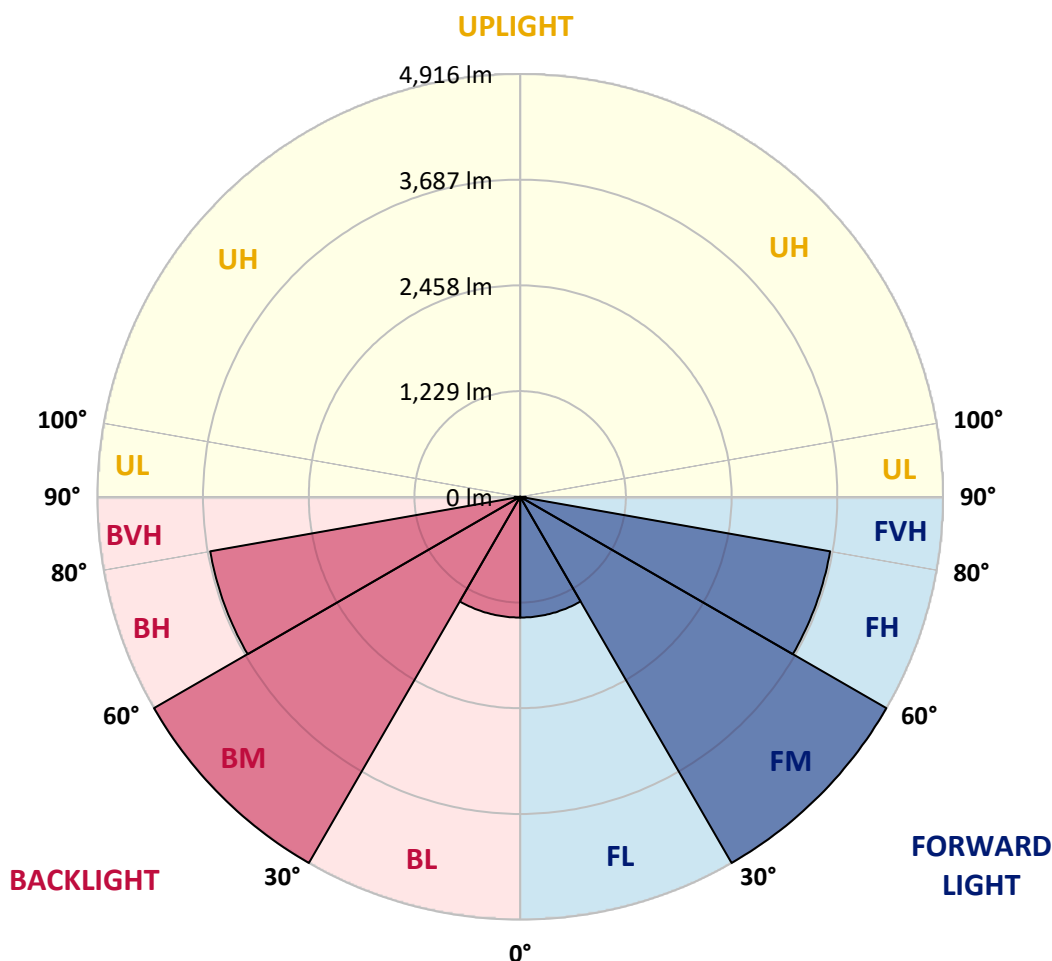
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1403.6	7.0			
FM (30°-60°)	4915.8	24.5			
FH (60°-80°)	3659.2	18.2			G2/5000
FVH (80°-90°)	64.4	0.3			G1/100
BL (0°-30°)	1403.6	7.0	B3/2500		
BM (30°-60°)	4915.8	24.5	B3/5000		
BH (60°-80°)	3659.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	64.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3308.7	3308.7	3308.7	3308.7	3308.7	3308.7	3308.7	3308.7	3308.7	3308.7	3308.7
2.5°	3334.7	3342.2	3331.0	3317.4	3331.0	3313.6	3290.1	3291.3	3287.6	3291.3	3282.6
5°	3329.8	3329.8	3316.1	3292.6	3322.3	3338.4	3316.1	3307.4	3309.9	3314.9	3307.4
7.5°	3312.4	3303.7	3285.1	3287.6	3308.7	3301.2	3324.8	3334.7	3352.1	3343.4	3328.5
10°	3254.1	3274.0	3254.1	3246.7	3297.5	3291.3	3306.2	3329.8	3359.5	3353.3	3358.3
12.5°	3220.7	3234.3	3224.4	3215.7	3260.3	3307.4	3328.5	3359.5	3395.5	3400.4	3404.1
15°	3179.8	3195.9	3177.3	3184.7	3259.1	3319.8	3370.7	3419.0	3479.8	3487.2	3492.2
17.5°	3110.3	3128.9	3100.4	3147.5	3240.5	3329.8	3420.3	3494.6	3559.1	3583.9	3583.9
20°	3006.2	3019.8	3022.3	3066.9	3189.7	3334.7	3459.9	3562.8	3648.4	3695.5	3709.1
22.5°	2853.7	2871.1	2902.1	2985.1	3146.3	3319.8	3493.4	3637.2	3777.3	3823.1	3841.7
25°	2711.2	2721.1	2776.9	2904.5	3097.9	3318.6	3539.3	3747.5	3914.9	4009.1	4016.5
27.5°	2573.6	2577.3	2661.6	2809.1	3042.2	3329.8	3596.3	3870.3	4123.1	4227.3	4262.0
30°	2437.2	2448.4	2524.0	2712.4	2995.0	3324.8	3645.9	4002.9	4330.2	4508.7	4543.4
32.5°	2316.9	2334.3	2419.8	2602.1	2936.8	3328.5	3721.5	4180.2	4605.4	4904.1	4921.5
35°	2214.1	2227.7	2313.2	2497.9	2877.3	3342.2	3820.7	4409.5	5040.5	5481.8	5567.4
37.5°	2127.3	2138.4	2228.9	2397.5	2807.9	3339.7	3940.9	4681.0	5582.2	6306.2	6468.6
40°	2071.5	2083.9	2144.6	2310.7	2722.3	3322.3	4061.2	5021.9	6184.7	7273.1	7455.4
42.5°	2016.9	2031.8	2075.2	2230.2	2621.9	3276.5	4181.4	5339.3	6825.6	8186.8	8366.5
45°	1964.9	1969.8	2025.6	2154.5	2510.3	3213.2	4299.2	5623.1	7470.3	9091.7	9265.3
47.5°	1920.3	1920.3	1962.4	2086.4	2409.9	3117.8	4345.0	5905.8	8075.2	9978.1	10084.7
50°	1893.0	1879.3	1905.4	2003.3	2298.4	2961.6	4317.8	6127.7	8783.1	10828.5	10987.2
52.5°	1826.0	1821.1	1840.9	1933.9	2206.6	2809.1	4193.8	6238.0	9544.2	11561.2	11882.2
55°	1756.6	1755.4	1774.0	1850.8	2101.2	2624.4	3905.0	6270.3	10260.8	12370.7	12590.1
57.5°	1687.2	1677.3	1698.3	1775.2	1988.4	2465.7	3588.8	6119.0	10959.9	13154.1	13336.4
60°	1628.9	1621.5	1633.9	1690.9	1873.1	2266.1	3212.0	5905.8	11581.0	13782.7	13993.4
62.5°	1545.9	1547.1	1554.5	1594.2	1749.2	2077.7	2837.6	5528.9	11962.8	14255.0	14455.8
65°	1446.7	1443.0	1459.1	1477.7	1593.0	1871.9	2458.3	4983.5	12049.6	14483.1	14613.2
67.5°	1340.1	1335.1	1343.8	1336.4	1433.1	1658.7	2106.2	4506.2	11624.4	14397.5	14617.0
70°	1208.7	1208.7	1203.7	1177.7	1247.1	1399.6	1791.3	4094.6	10467.8	14124.8	14362.8
72.5°	988.0	990.5	1010.3	991.7	1032.6	1131.8	1506.2	3624.8	8595.9	13264.5	13636.4
75°	607.4	607.4	623.6	690.5	805.8	860.3	1219.8	3040.9	6967.0	11344.2	12200.8
77.5°	312.4	314.9	323.6	345.9	366.9	422.7	685.5	2041.7	4419.4	6704.1	7088.4
80°	89.3	93.0	208.3	234.3	247.9	257.9	313.6	693.0	1129.3	1095.9	1035.1
82.5°	59.5	62.0	121.5	142.6	130.2	106.6	130.2	203.3	169.8	213.2	231.8
85°	31.0	33.5	50.8	55.8	55.8	64.5	59.5	60.7	68.2	130.2	145.0
87.5°	14.9	16.1	21.1	26.0	27.3	31.0	29.8	31.0	34.7	53.3	58.3
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)