

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: P553535

Luminaire Tested: **VERD-G-CA2-140-760-U-T1**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-140-760-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1290mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21917 lumens  
Efficiency: N/A  
Efficacy: 153.9 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

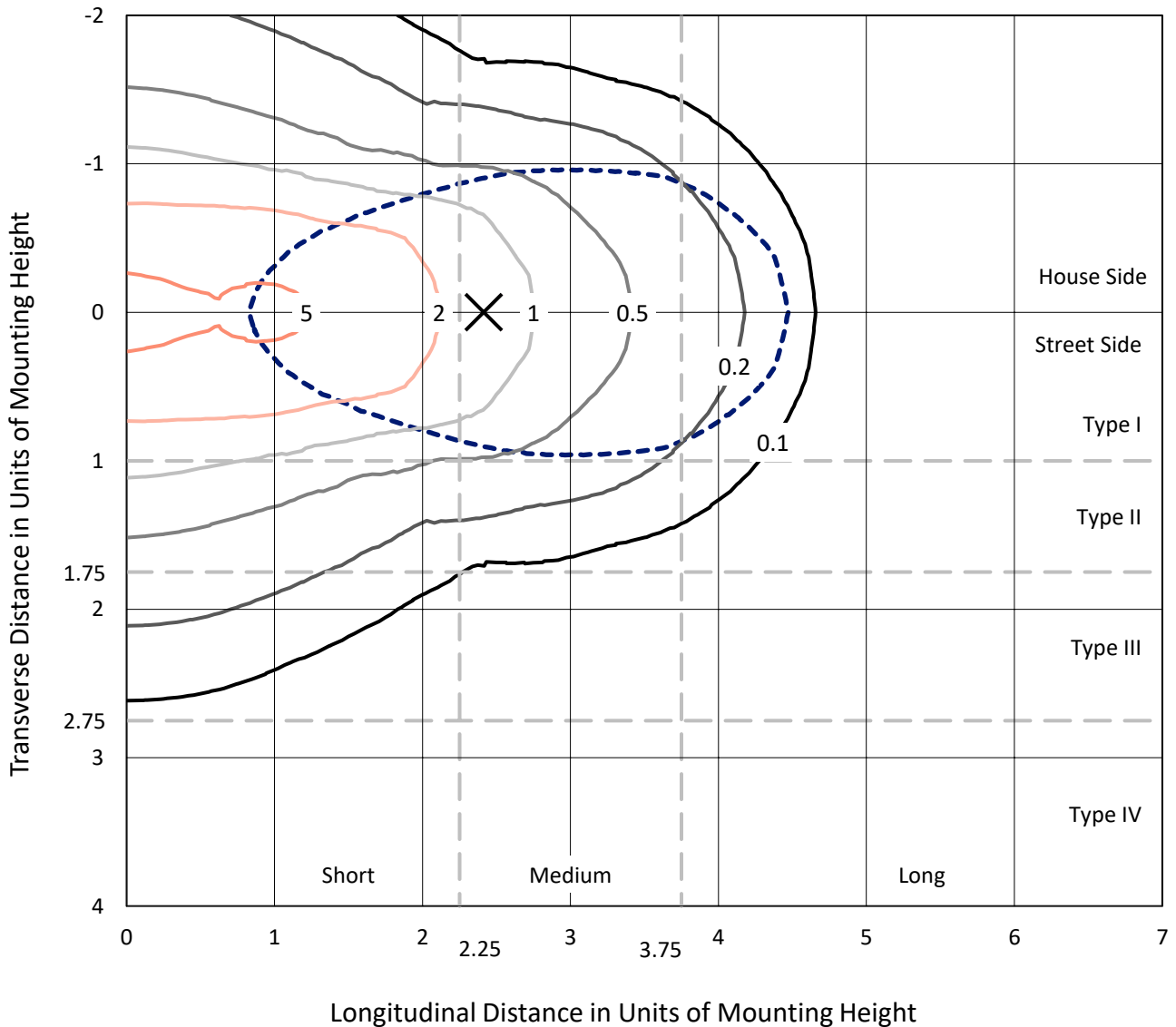
Input Watts (W): 142.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

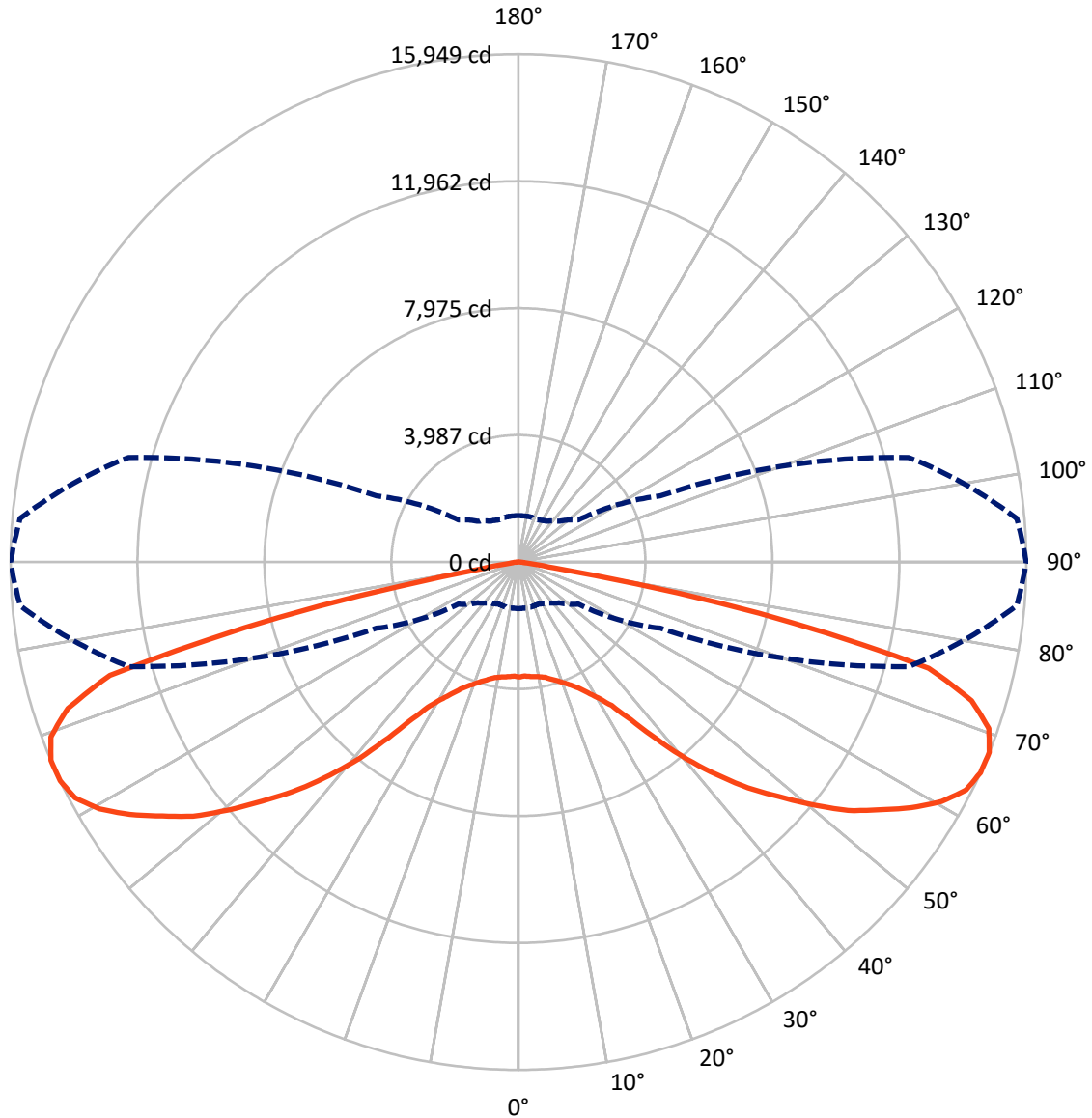
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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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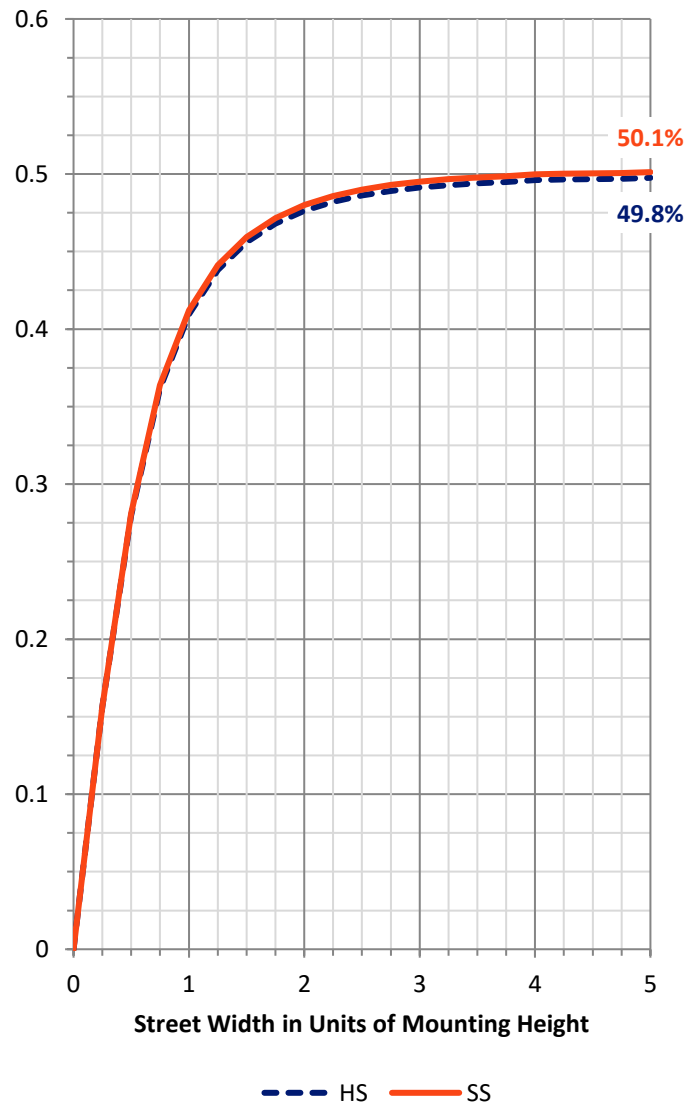
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10958.5	0.0	10958.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10958.5	0.0	10958.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21917.0	0.0	21917.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.9	1.6
10°-20°	1027.2	4.7
20°-30°	1691.1	7.7
30°-40°	2470.0	11.3
40°-50°	3603.7	16.4
50°-60°	4654.2	21.2
60°-70°	4959.2	22.6
70°-80°	3026.2	13.8
80°-90°	140.5	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°	21917.0	100.0
0°-180°	21917.0	100.0



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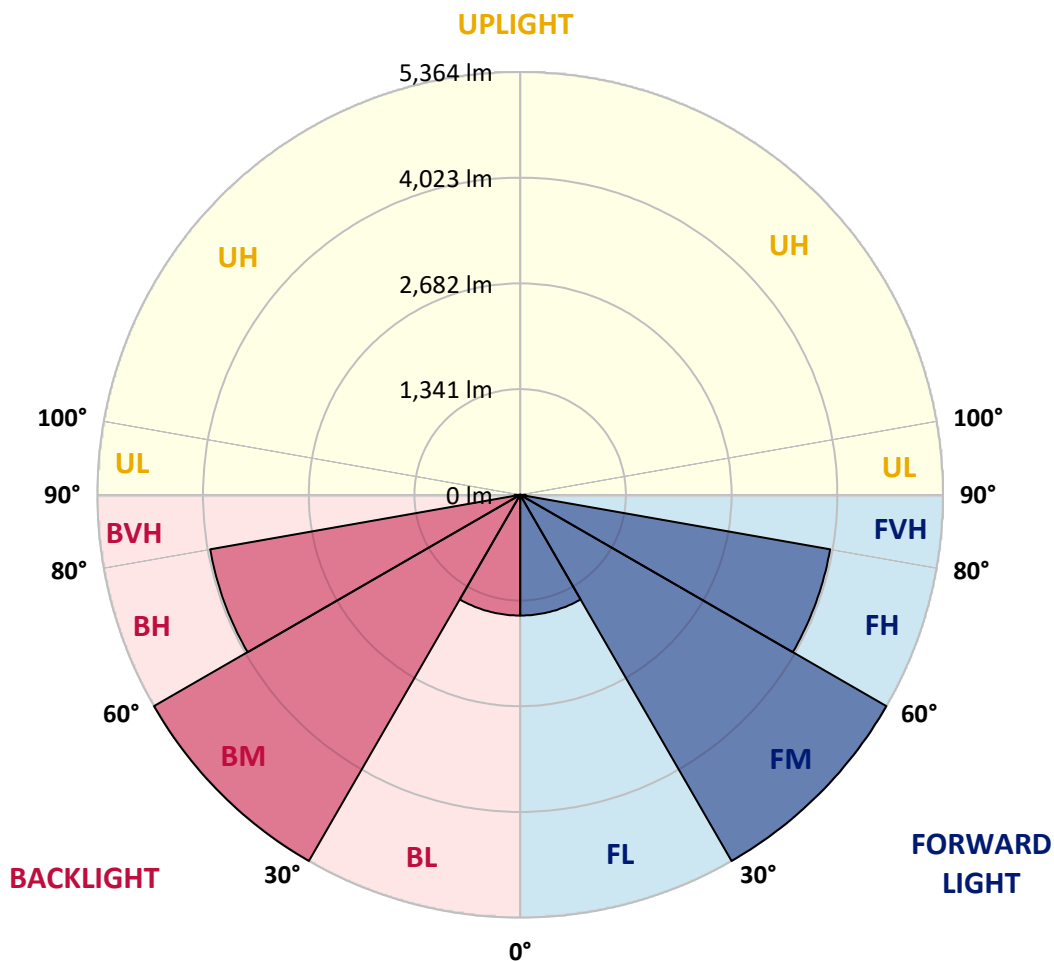
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1531.6	7.0			
FM (30°-60°)	5363.9	24.5			
FH (60°-80°)	3992.7	18.2			G2/5000
FVH (80°-90°)	70.2	0.3			G1/100
BL (0°-30°)	1531.6	7.0	B3/2500		
BM (30°-60°)	5363.9	24.5	B4/8500		
BH (60°-80°)	3992.7	18.2	B4/5000		G4/5000
BVH (80°-90°)	70.2	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°	3610.3	3610.3	3610.3	3610.3	3610.3	3610.3	3610.3	3610.3	3610.3	3610.3	3610.3
2.5°	3638.7	3646.8	3634.6	3619.8	3634.6	3615.7	3590.0	3591.4	3587.3	3591.4	3581.9
5°	3633.3	3633.3	3618.4	3592.7	3625.2	3642.8	3618.4	3608.9	3611.6	3617.1	3608.9
7.5°	3614.4	3604.9	3584.6	3587.3	3610.3	3602.2	3627.9	3638.7	3657.6	3648.2	3631.9
10°	3550.8	3572.4	3550.8	3542.7	3598.1	3591.4	3607.6	3633.3	3665.8	3659.0	3664.4
12.5°	3514.3	3529.1	3518.3	3508.8	3557.5	3608.9	3631.9	3665.8	3705.0	3710.4	3714.5
15°	3469.6	3487.2	3466.9	3475.0	3556.2	3622.5	3677.9	3730.7	3797.0	3805.1	3810.5
17.5°	3393.9	3414.2	3383.0	3434.4	3535.9	3633.3	3732.0	3813.2	3883.5	3910.6	3910.6
20°	3280.2	3295.1	3297.8	3346.5	3480.4	3638.7	3775.3	3887.6	3980.9	4032.3	4047.2
22.5°	3113.9	3132.8	3166.6	3257.2	3433.1	3622.5	3811.8	3968.8	4121.6	4171.7	4191.9
25°	2958.3	2969.1	3030.0	3169.3	3380.3	3621.1	3861.9	4089.1	4271.8	4374.6	4382.7
27.5°	2808.2	2812.2	2904.2	3065.2	3319.5	3633.3	3924.1	4223.1	4499.0	4612.6	4650.5
30°	2659.4	2671.5	2754.1	2959.7	3268.1	3627.9	3978.2	4367.8	4724.9	4919.7	4957.6
32.5°	2528.2	2547.1	2640.4	2839.3	3204.5	3631.9	4060.7	4561.2	5025.2	5351.2	5370.1
35°	2415.9	2430.8	2524.1	2725.6	3139.6	3646.8	4169.0	4811.5	5500.0	5981.5	6074.9
37.5°	2321.2	2333.4	2432.1	2616.1	3063.8	3644.1	4300.2	5107.7	6091.1	6881.1	7058.3
40°	2260.3	2273.8	2340.1	2521.4	2970.5	3625.2	4431.4	5479.7	6748.5	7936.2	8135.0
42.5°	2200.8	2217.0	2264.4	2433.5	2860.9	3575.1	4562.6	5826.0	7447.8	8933.1	9129.2
45°	2144.0	2149.4	2210.3	2351.0	2739.2	3506.1	4691.1	6135.7	8151.2	9920.5	10109.9
47.5°	2095.3	2095.3	2141.3	2276.6	2629.6	3402.0	4741.1	6444.2	8811.3	10887.7	11004.0
50°	2065.5	2050.7	2079.1	2185.9	2507.9	3231.5	4711.4	6686.3	9583.7	11815.6	11988.8
52.5°	1992.5	1987.1	2008.7	2110.2	2407.8	3065.2	4576.1	6806.7	10414.3	12615.1	12965.4
55°	1916.7	1915.4	1935.7	2019.5	2292.8	2863.6	4260.9	6841.8	11196.1	13498.4	13737.8
57.5°	1841.0	1830.2	1853.2	1937.0	2169.7	2690.5	3916.0	6676.8	11959.0	14353.3	14552.1
60°	1777.4	1769.3	1782.8	1845.1	2043.9	2472.7	3504.8	6444.2	12636.7	15039.1	15269.0
62.5°	1686.8	1688.1	1696.3	1739.5	1908.6	2267.1	3096.3	6032.9	13053.3	15554.4	15773.6
65°	1578.6	1574.5	1592.1	1612.4	1738.2	2042.5	2682.4	5437.8	13148.0	15803.3	15945.4
67.5°	1462.2	1456.8	1466.3	1458.2	1563.7	1809.9	2298.2	4917.0	12684.1	15710.0	15949.4
70°	1318.9	1318.9	1313.4	1285.0	1360.8	1527.2	1954.6	4467.9	11422.0	15412.4	15672.1
72.5°	1078.1	1080.8	1102.4	1082.1	1126.8	1235.0	1643.5	3955.2	9379.5	14473.6	14879.4
75°	662.8	662.8	680.4	753.4	879.2	938.8	1331.0	3318.1	7602.0	12378.3	13313.0
77.5°	340.9	343.6	353.0	377.4	400.4	461.3	748.0	2227.9	4822.3	7315.3	7734.6
80°	97.4	101.5	227.2	255.7	270.5	281.4	342.2	756.1	1232.3	1195.8	1129.5
82.5°	64.9	67.6	132.6	155.6	142.0	116.3	142.0	221.8	185.3	232.7	253.0
85°	33.8	36.5	55.5	60.9	60.9	70.3	64.9	66.3	74.4	142.0	158.3
87.5°	16.2	17.6	23.0	28.4	29.8	33.8	32.5	33.8	37.9	58.2	63.6
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)