

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: P553559

Luminaire Tested: **VERD-G-CA2-150-730-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553559
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-CA2-150-730-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1380mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22771 lumens
Efficiency: N/A
Efficacy: 149.6 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

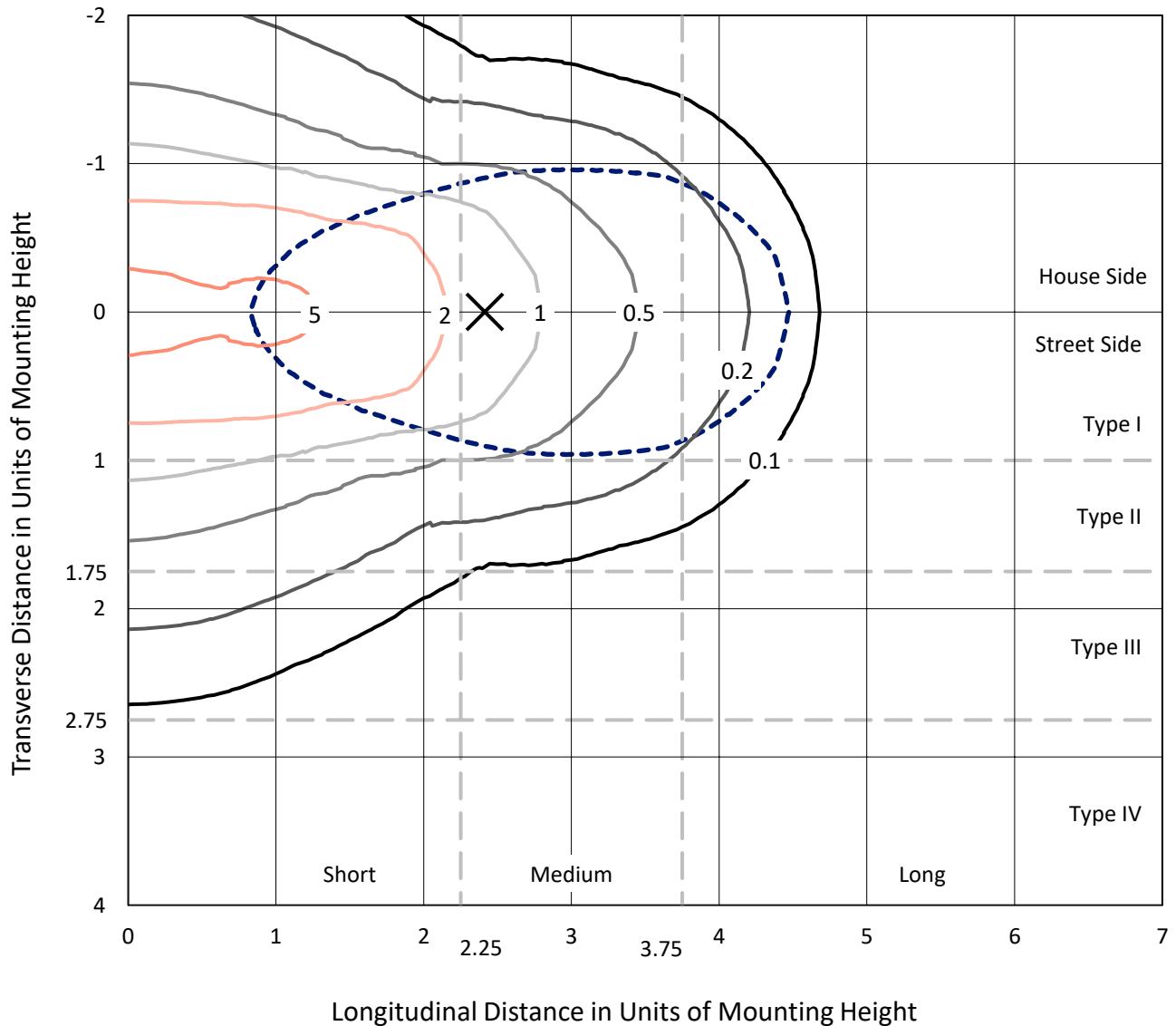
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

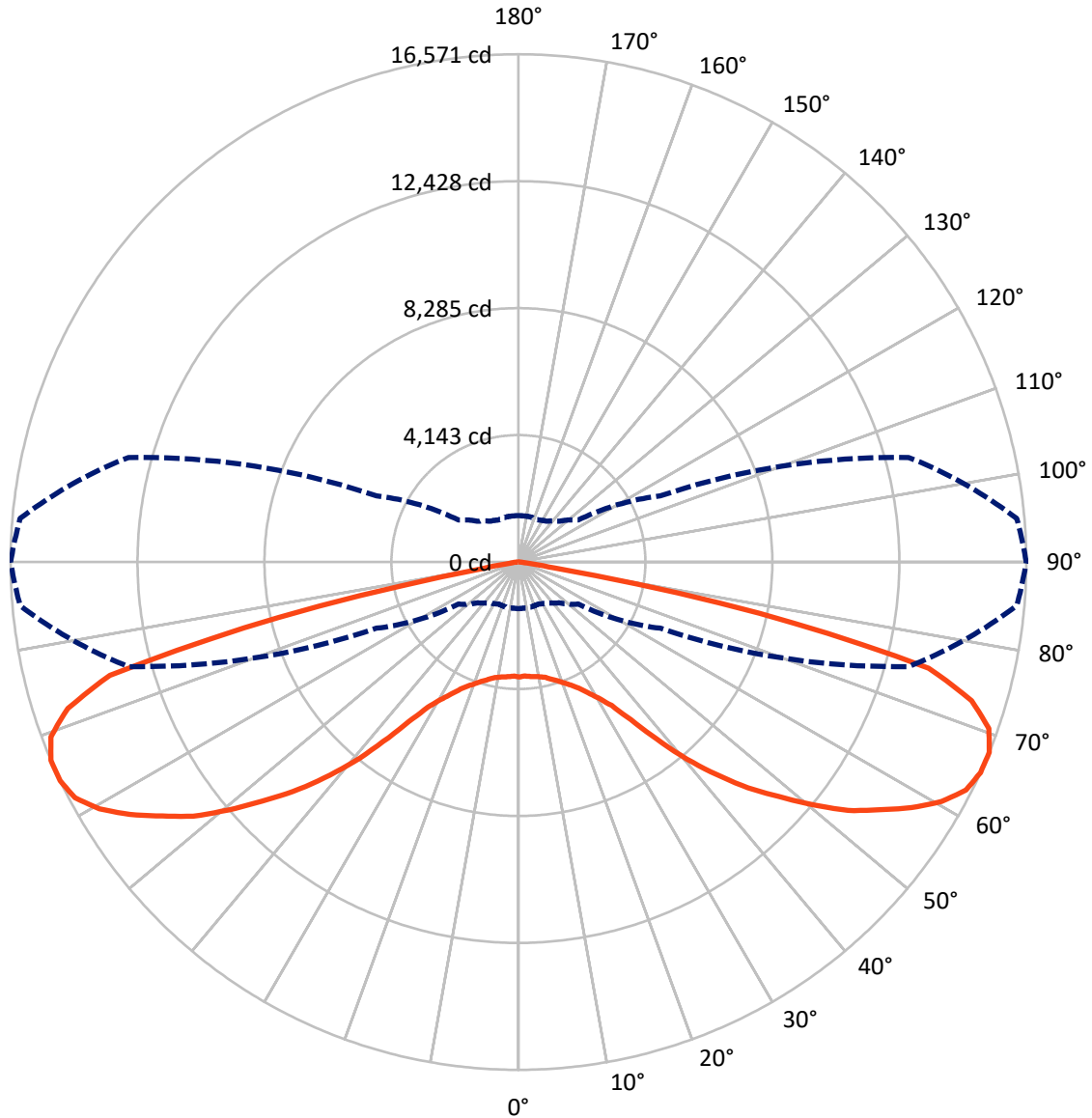
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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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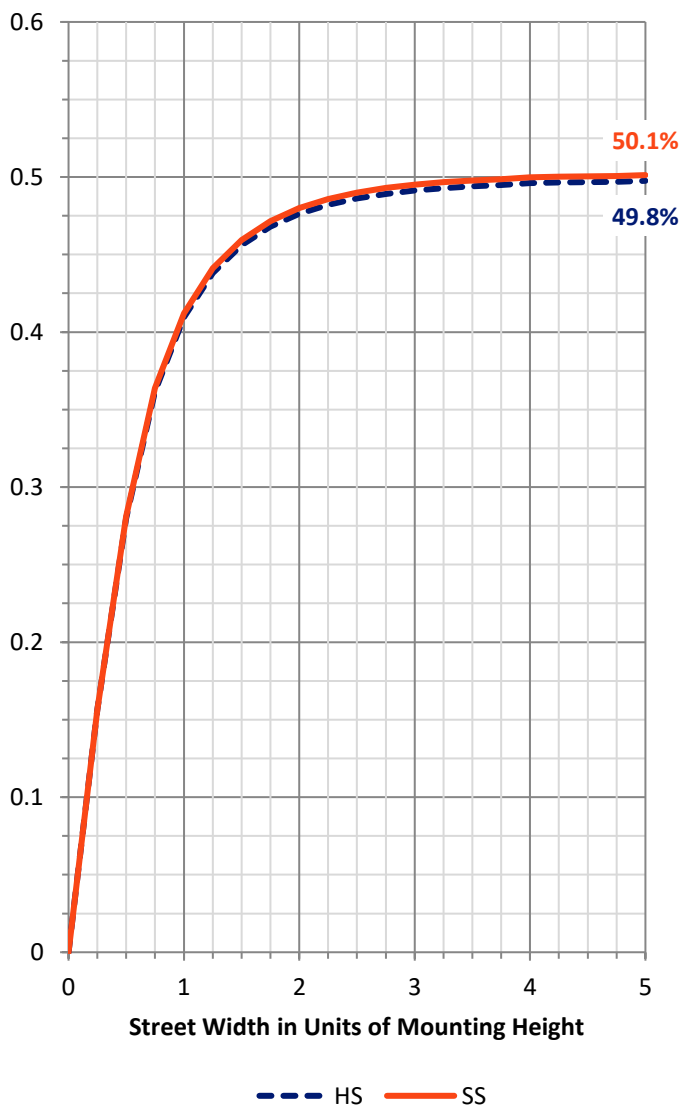
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11385.5	0.0	11385.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11385.5	0.0	11385.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22771.0	0.0	22771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.4	1.6
10°-20°	1067.2	4.7
20°-30°	1757.0	7.7
30°-40°	2566.3	11.3
40°-50°	3744.1	16.4
50°-60°	4835.5	21.2
60°-70°	5152.4	22.6
70°-80°	3144.2	13.8
80°-90°	145.9	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°	22771.0	100.0
0°-180°	22771.0	100.0

Coefficient of Utilization



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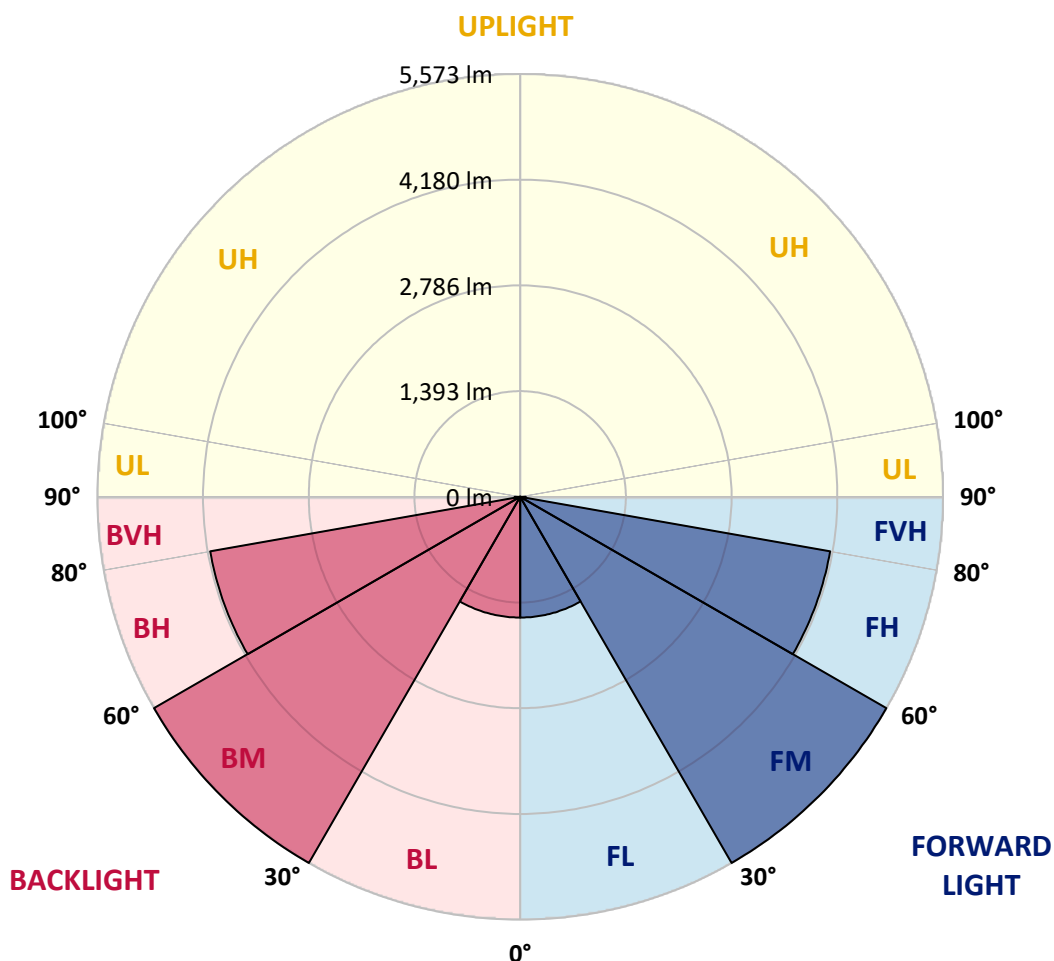
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1591.3	7.0			
FM	(30°-60°)	5572.9	24.5			
FH	(60°-80°)	4148.3	18.2			G2/5000
FVH	(80°-90°)	73.0	0.3			G1/100
BL	(0°-30°)	1591.3	7.0	B3/2500		
BM	(30°-60°)	5572.9	24.5	B4/8500		
BH	(60°-80°)	4148.3	18.2	B4/5000		G4/5000
BVH	(80°-90°)	73.0	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°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3780.5	3788.9	3776.3	3760.8	3776.3	3756.6	3729.9	3731.3	3727.1	3731.3	3721.5
5°	3774.9	3774.9	3759.4	3732.7	3766.4	3784.7	3759.4	3749.6	3752.4	3758.0	3749.6
7.5°	3755.2	3745.3	3724.3	3727.1	3751.0	3742.5	3769.2	3780.5	3800.2	3790.3	3773.5
10°	3689.1	3711.6	3689.1	3680.7	3738.3	3731.3	3748.2	3774.9	3808.6	3801.6	3807.2
12.5°	3651.2	3666.6	3655.4	3645.6	3696.2	3749.6	3773.5	3808.6	3849.3	3855.0	3859.2
15°	3604.8	3623.1	3602.0	3610.4	3694.8	3763.6	3821.2	3876.0	3944.9	3953.3	3959.0
17.5°	3526.1	3547.2	3514.9	3568.3	3673.7	3774.9	3877.5	3961.8	4034.9	4063.0	4063.0
20°	3408.1	3423.5	3426.3	3476.9	3616.1	3780.5	3922.4	4039.1	4136.0	4189.5	4204.9
22.5°	3235.2	3254.9	3290.0	3384.2	3566.9	3763.6	3960.4	4123.4	4282.2	4334.2	4355.3
25°	3073.6	3084.8	3148.1	3292.8	3512.1	3762.2	4012.4	4248.5	4438.2	4545.0	4553.4
27.5°	2917.6	2921.8	3017.4	3184.6	3448.8	3774.9	4077.0	4387.6	4674.3	4792.4	4831.7
30°	2763.0	2775.6	2861.4	3075.0	3395.4	3769.2	4133.2	4538.0	4909.0	5111.4	5150.7
32.5°	2626.7	2646.3	2743.3	2949.9	3329.4	3773.5	4219.0	4739.0	5221.0	5559.7	5579.4
35°	2510.0	2525.5	2622.4	2831.8	3261.9	3788.9	4331.4	4999.0	5714.3	6214.6	6311.6
37.5°	2411.6	2424.3	2526.9	2718.0	3183.2	3786.1	4467.7	5306.7	6328.4	7149.2	7333.3
40°	2348.4	2362.5	2431.3	2619.6	3086.2	3766.4	4604.0	5693.2	7011.5	8245.4	8452.0
42.5°	2286.6	2303.4	2352.6	2528.3	2972.4	3714.4	4740.4	6053.0	7738.0	9281.2	9484.9
45°	2227.5	2233.2	2296.4	2442.6	2845.9	3642.8	4873.9	6374.8	8468.8	10307.1	10503.8
47.5°	2176.9	2176.9	2224.7	2365.3	2732.1	3534.5	4925.9	6695.3	9154.7	11311.9	11432.8
50°	2146.0	2130.6	2160.1	2271.1	2605.6	3357.5	4895.0	6946.8	9957.1	12276.0	12455.9
52.5°	2070.1	2064.5	2087.0	2192.4	2501.6	3184.6	4754.4	7071.9	10820.1	13106.6	13470.6
55°	1991.4	1990.0	2011.1	2098.2	2382.1	2975.2	4427.0	7108.4	11632.4	14024.3	14273.1
57.5°	1912.7	1901.5	1925.4	2012.5	2254.2	2795.3	4068.6	6937.0	12425.0	14912.5	15119.1
60°	1846.7	1838.2	1852.3	1916.9	2123.5	2569.0	3641.4	6695.3	13129.1	15625.1	15864.0
62.5°	1752.5	1753.9	1762.4	1807.3	1983.0	2355.4	3216.9	6268.0	13562.0	16160.5	16388.2
65°	1640.1	1635.9	1654.1	1675.2	1805.9	2122.1	2786.9	5649.6	13660.3	16419.1	16566.7
67.5°	1519.2	1513.6	1523.4	1515.0	1624.6	1880.4	2387.7	5108.6	13178.3	16322.1	16570.9
70°	1370.2	1370.2	1364.6	1335.1	1413.8	1586.7	2030.8	4642.0	11867.1	16012.9	16282.8
72.5°	1120.1	1122.9	1145.4	1124.3	1170.7	1283.1	1707.5	4109.3	9744.9	15037.6	15459.2
75°	688.6	688.6	706.9	782.8	913.5	975.3	1382.9	3447.4	7898.3	12860.7	13831.8
77.5°	354.2	357.0	366.8	392.1	416.0	479.2	777.2	2314.7	5010.2	7600.3	8036.0
80°	101.2	105.4	236.1	265.6	281.1	292.3	355.6	785.6	1280.3	1242.4	1173.5
82.5°	67.5	70.3	137.7	161.6	147.6	120.9	147.6	230.5	192.5	241.7	262.8
85°	35.1	37.9	57.6	63.2	63.2	73.1	67.5	68.9	77.3	147.6	164.4
87.5°	16.9	18.3	23.9	29.5	30.9	35.1	33.7	35.1	39.4	60.4	66.1
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)