

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: P509579

Luminaire Tested: **VERD-G-CA2-130-722-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509579
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-CA2-130-722-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1200mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16370 lumens
Efficiency: N/A
Efficacy: 122.3 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

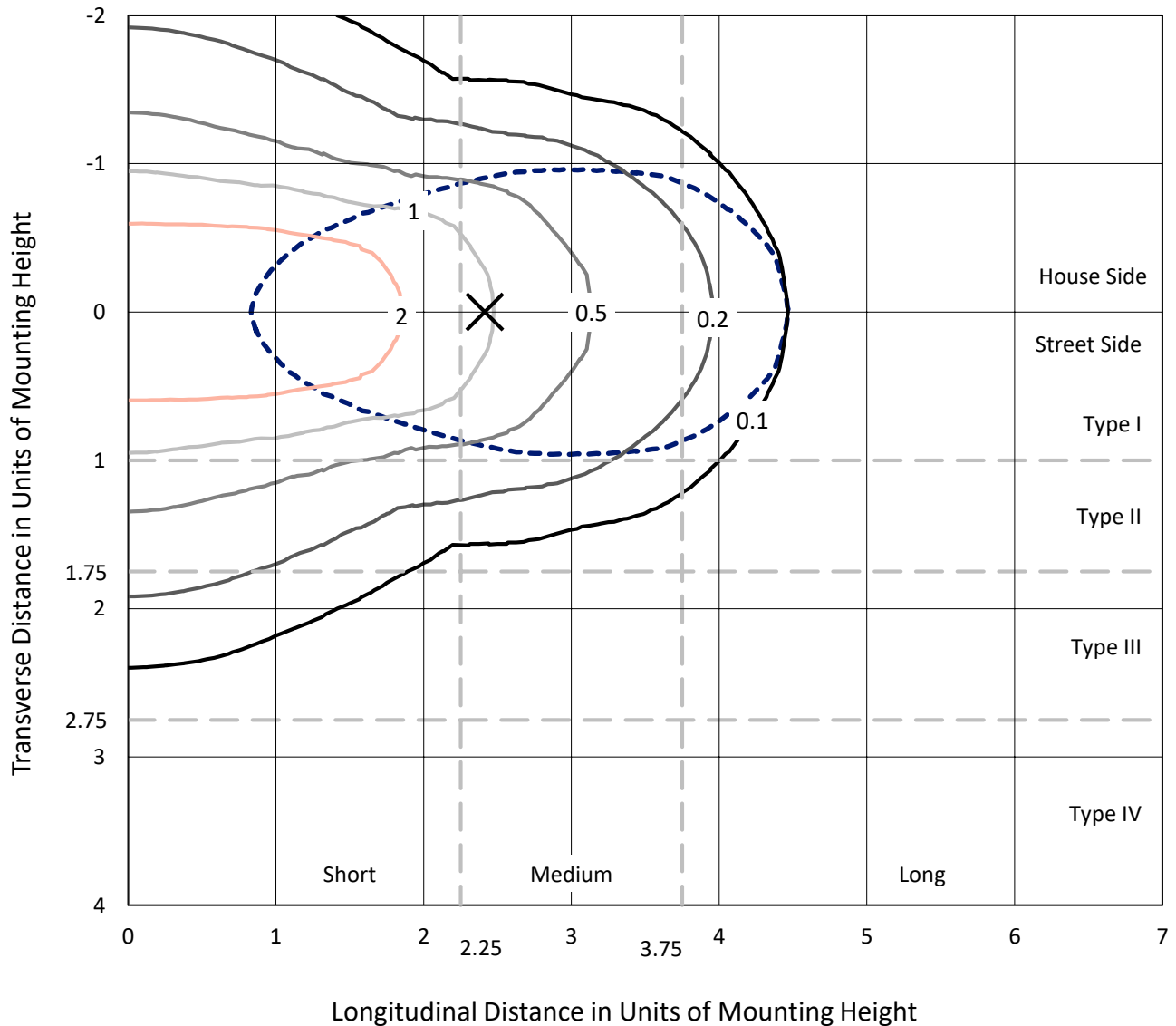
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

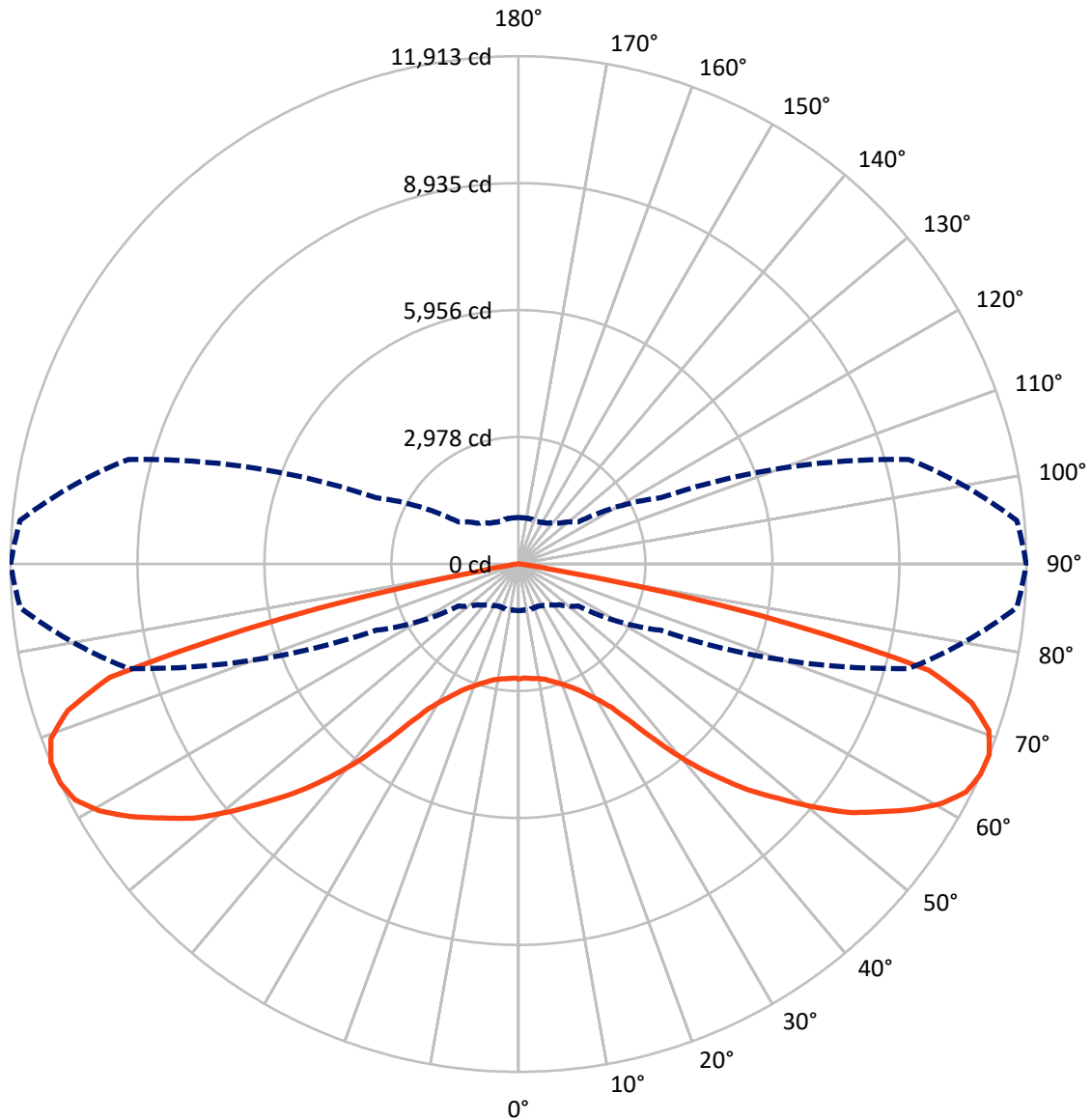
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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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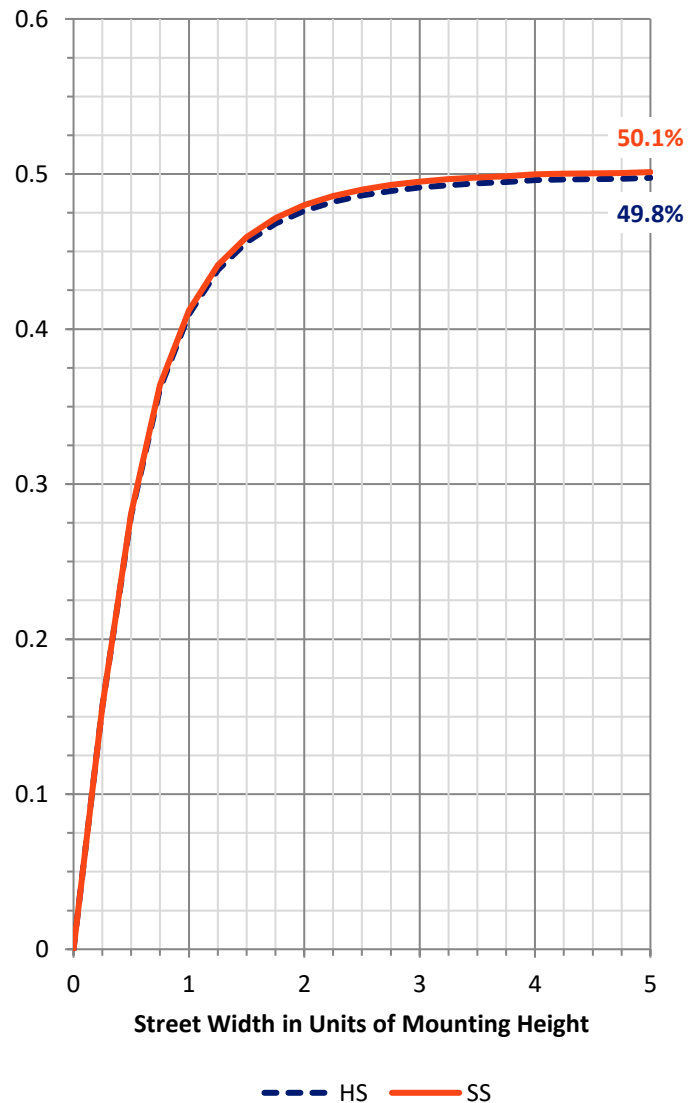
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8185.0	0.0	8185.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8185.0	0.0	8185.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16370.0	0.0	16370.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.6	1.6
10°-20°	767.2	4.7
20°-30°	1263.1	7.7
30°-40°	1844.9	11.3
40°-50°	2691.6	16.4
50°-60°	3476.2	21.2
60°-70°	3704.1	22.6
70°-80°	2260.3	13.8
80°-90°	104.9	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°	16370.0	100.0
0°-180°	16370.0	100.0



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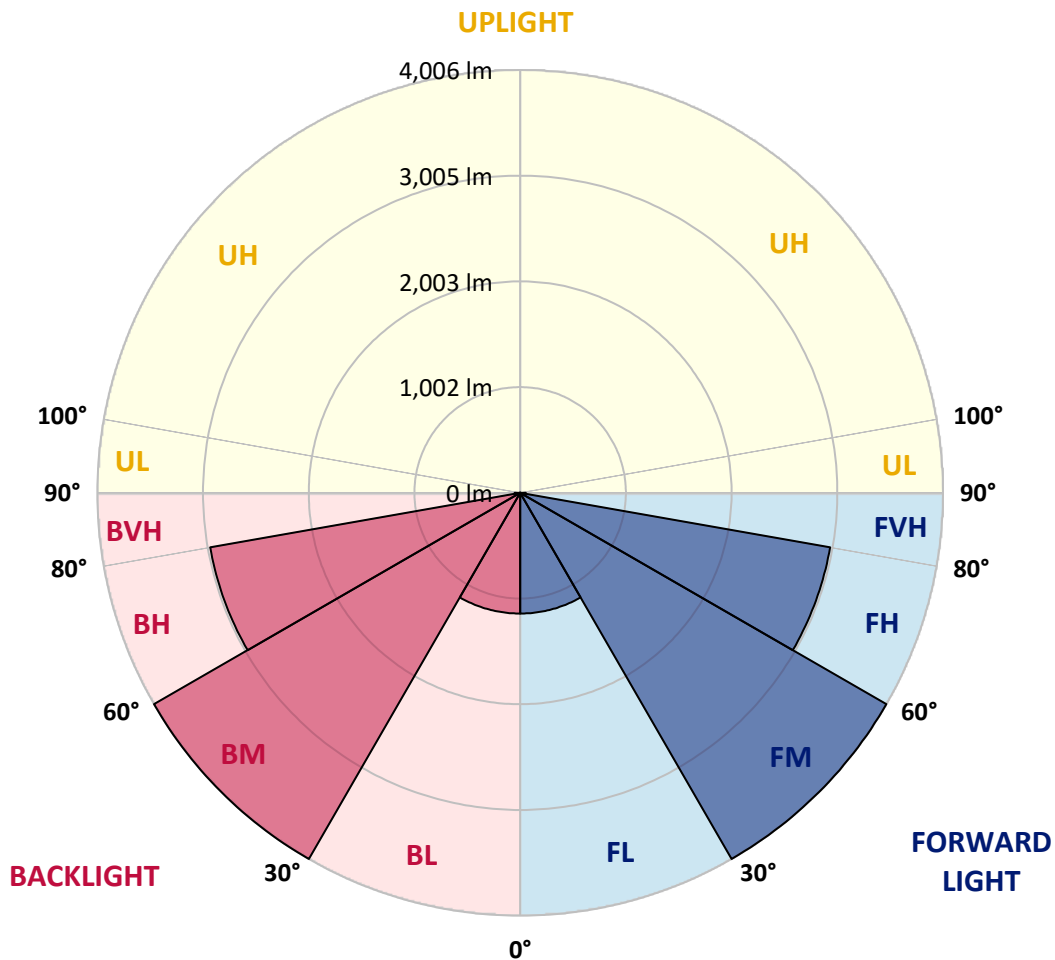
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1144.0	7.0			
FM	(30°-60°)	4006.4	24.5			
FH	(60°-80°)	2982.2	18.2			G2/5000
FVH	(80°-90°)	52.5	0.3			G1/100
BL	(0°-30°)	1144.0	7.0	B3/2500		
BM	(30°-60°)	4006.4	24.5	B3/5000		
BH	(60°-80°)	2982.2	18.2	B4/5000		G4/5000
BVH	(80°-90°)	52.5	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°	2696.6	2696.6	2696.6	2696.6	2696.6	2696.6	2696.6	2696.6	2696.6	2696.6	2696.6
2.5°	2717.8	2723.8	2714.7	2703.6	2714.7	2700.6	2681.4	2682.4	2679.4	2682.4	2675.3
5°	2713.7	2713.7	2702.6	2683.4	2707.7	2720.8	2702.6	2695.6	2697.6	2701.6	2695.6
7.5°	2699.6	2692.5	2677.4	2679.4	2696.6	2690.5	2709.7	2717.8	2731.9	2724.9	2712.7
10°	2652.1	2668.3	2652.1	2646.0	2687.5	2682.4	2694.5	2713.7	2738.0	2732.9	2737.0
12.5°	2624.8	2635.9	2627.9	2620.8	2657.2	2695.6	2712.7	2738.0	2767.3	2771.3	2774.4
15°	2591.5	2604.6	2589.5	2595.5	2656.1	2705.7	2747.1	2786.5	2836.0	2842.0	2846.1
17.5°	2534.9	2550.1	2526.8	2565.2	2641.0	2713.7	2787.5	2848.1	2900.6	2920.9	2920.9
20°	2450.0	2461.2	2463.2	2499.5	2599.6	2717.8	2819.8	2903.7	2973.4	3011.8	3022.9
22.5°	2325.8	2339.9	2365.2	2432.9	2564.2	2705.7	2847.1	2964.3	3078.5	3115.8	3131.0
25°	2209.6	2217.7	2263.1	2367.2	2524.8	2704.6	2884.5	3054.2	3190.6	3267.4	3273.5
27.5°	2097.4	2100.5	2169.2	2289.4	2479.3	2713.7	2931.0	3154.2	3360.3	3445.2	3473.5
30°	1986.3	1995.4	2057.0	2210.6	2440.9	2709.7	2971.4	3262.3	3529.1	3674.6	3702.8
32.5°	1888.3	1902.4	1972.2	2120.7	2393.5	2712.7	3033.0	3406.8	3753.4	3996.9	4011.0
35°	1804.4	1815.6	1885.3	2035.8	2345.0	2723.8	3113.8	3593.7	4108.0	4467.7	4537.4
37.5°	1733.7	1742.8	1816.6	1954.0	2288.4	2721.8	3211.8	3815.0	4549.5	5139.5	5271.9
40°	1688.3	1698.4	1747.9	1883.2	2218.7	2707.7	3309.8	4092.8	5040.5	5927.6	6076.1
42.5°	1643.8	1655.9	1691.3	1817.6	2136.8	2670.3	3407.8	4351.5	5562.9	6672.2	6818.7
45°	1601.4	1605.4	1650.9	1755.9	2045.9	2618.8	3503.8	4582.8	6088.2	7409.7	7551.2
47.5°	1565.0	1565.0	1599.3	1700.4	1964.1	2541.0	3541.2	4813.2	6581.3	8132.1	8219.0
50°	1542.8	1531.7	1552.9	1632.7	1873.1	2413.7	3519.0	4994.0	7158.2	8825.2	8954.5
52.5°	1488.2	1484.2	1500.3	1576.1	1798.4	2289.4	3417.9	5084.0	7778.5	9422.3	9684.0
55°	1431.6	1430.6	1445.8	1508.4	1712.5	2138.9	3182.5	5110.2	8362.5	10082.0	10260.9
57.5°	1375.1	1367.0	1384.1	1446.8	1620.6	2009.5	2924.9	4987.0	8932.3	10720.6	10869.1
60°	1327.6	1321.5	1331.6	1378.1	1526.6	1846.9	2617.8	4813.2	9438.5	11232.8	11404.6
62.5°	1259.9	1260.9	1266.9	1299.3	1425.6	1693.3	2312.6	4506.1	9749.6	11617.7	11781.4
65°	1179.1	1176.0	1189.2	1204.3	1298.3	1525.6	2003.5	4061.5	9820.4	11803.6	11909.7
67.5°	1092.2	1088.1	1095.2	1089.1	1167.9	1351.8	1716.5	3672.5	9473.8	11733.9	11912.8
70°	985.1	985.1	981.0	959.8	1016.4	1140.7	1459.9	3337.1	8531.2	11511.7	11705.6
72.5°	805.2	807.3	823.4	808.3	841.6	922.4	1227.5	2954.2	7005.6	10810.5	11113.6
75°	495.1	495.1	508.2	562.8	656.7	701.2	994.2	2478.3	5678.0	9245.5	9943.6
77.5°	254.6	256.6	263.7	281.9	299.1	344.5	558.7	1664.0	3601.8	5463.8	5777.0
80°	72.7	75.8	169.7	191.0	202.1	210.1	255.6	564.8	920.4	893.1	843.6
82.5°	48.5	50.5	99.0	116.2	106.1	86.9	106.1	165.7	138.4	173.8	188.9
85°	25.3	27.3	41.4	45.5	45.5	52.5	48.5	49.5	55.6	106.1	118.2
87.5°	12.1	13.1	17.2	21.2	22.2	25.3	24.2	25.3	28.3	43.4	47.5
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)