

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: P509571

Luminaire Tested: **VERD-G-CA2-120-760-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509571
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-CA2-120-760-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18933 lumens
Efficiency: N/A
Efficacy: 151.8 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

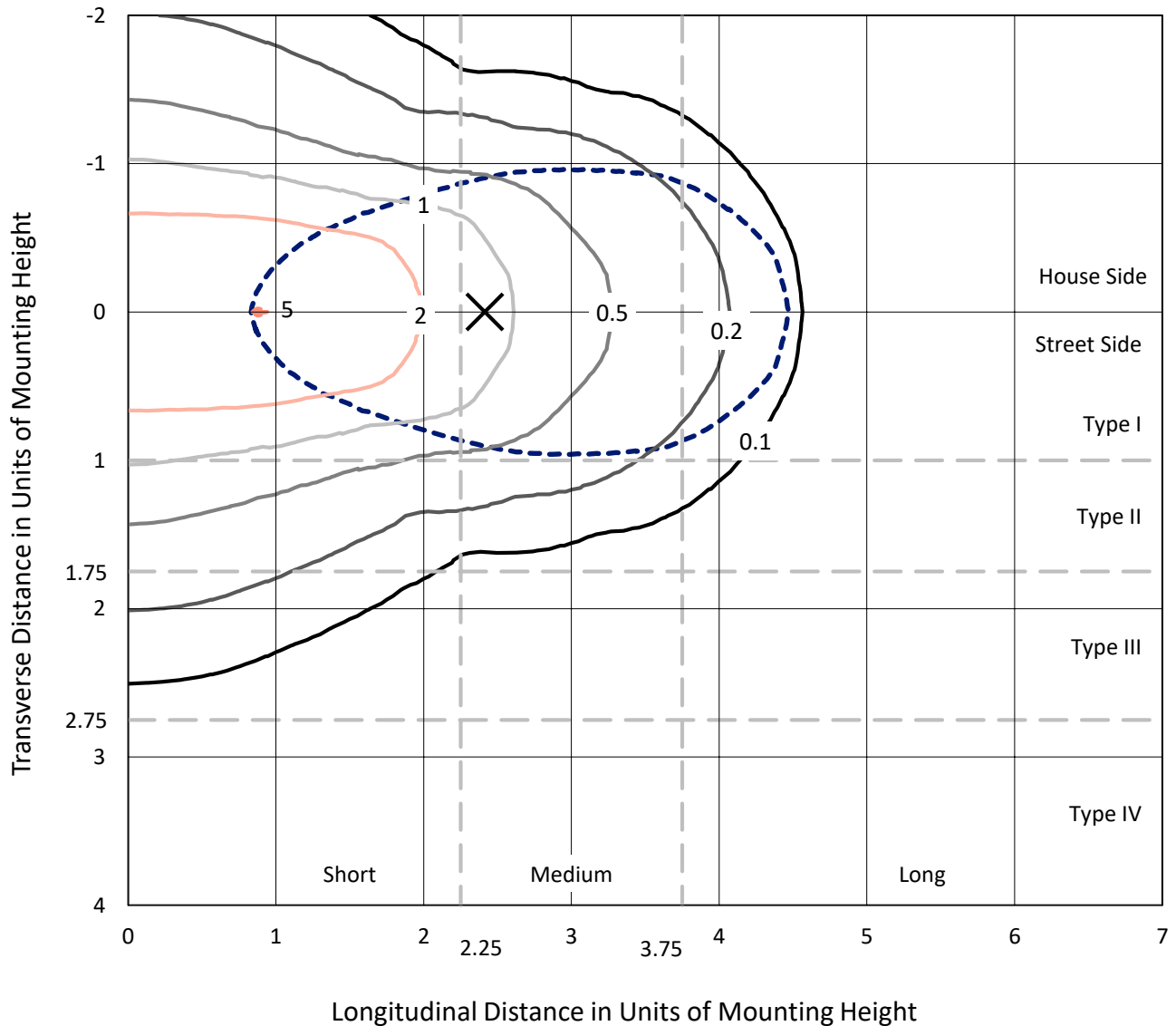
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

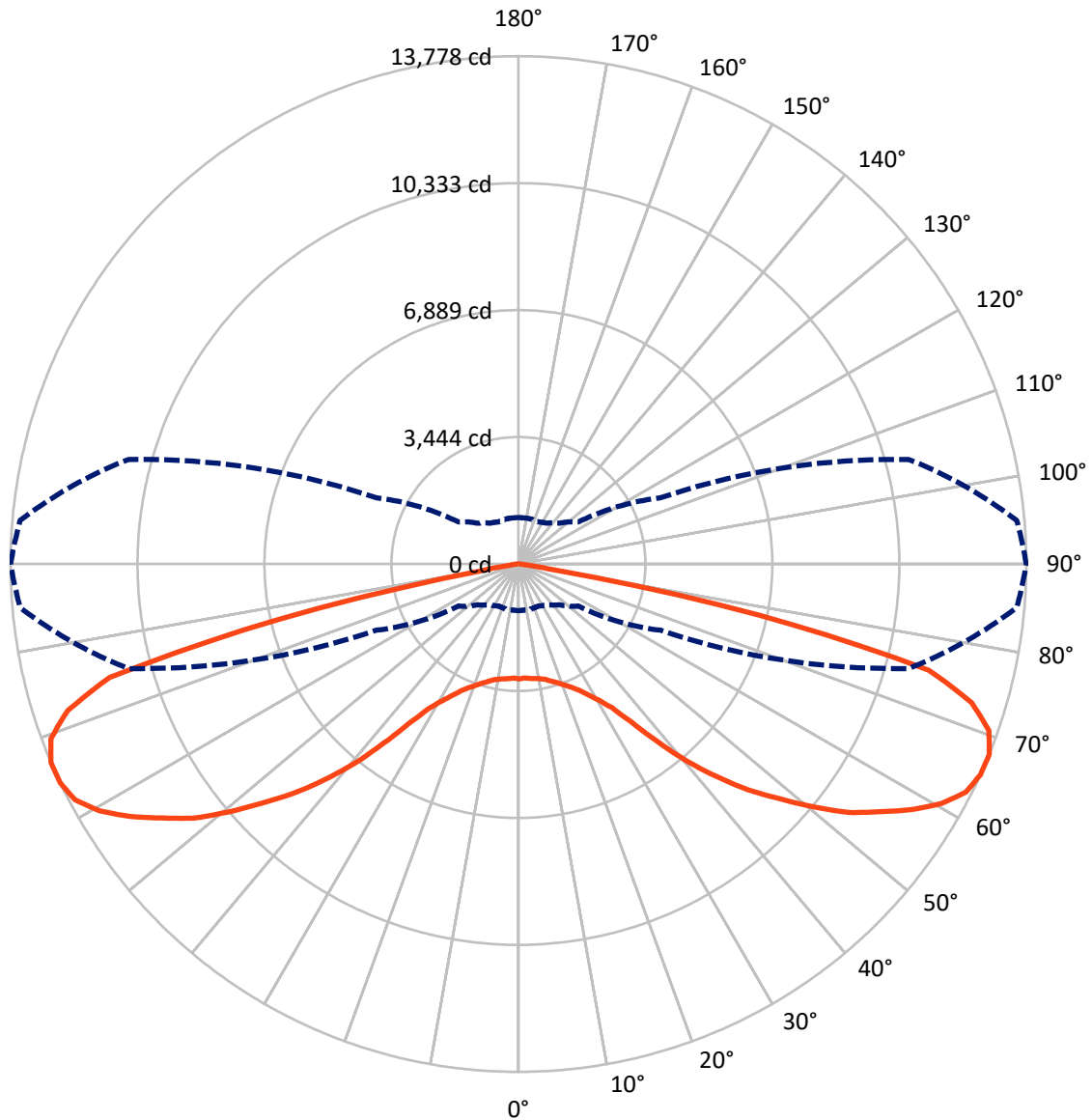
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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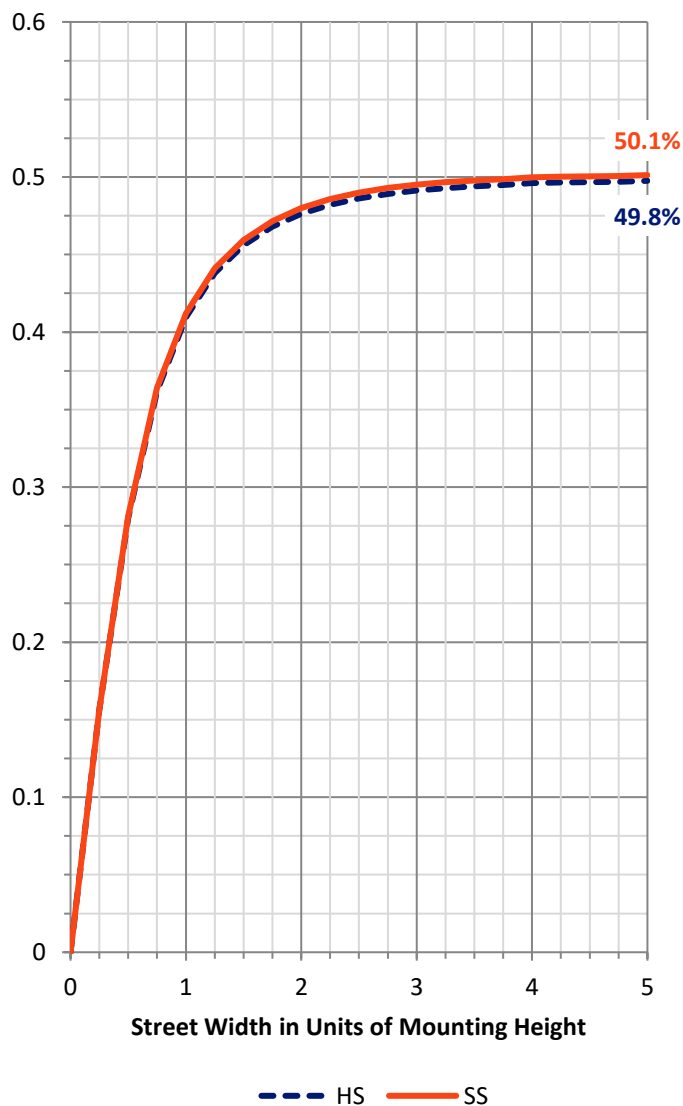
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9466.5	0.0	9466.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9466.5	0.0	9466.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18933.0	0.0	18933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.0	1.6
10°-20°	887.3	4.7
20°-30°	1460.9	7.7
30°-40°	2133.7	11.3
40°-50°	3113.1	16.4
50°-60°	4020.5	21.2
60°-70°	4284.0	22.6
70°-80°	2614.2	13.8
80°-90°	121.3	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°	18933.0	100.0
0°-180°	18933.0	100.0

Coefficient of Utilization



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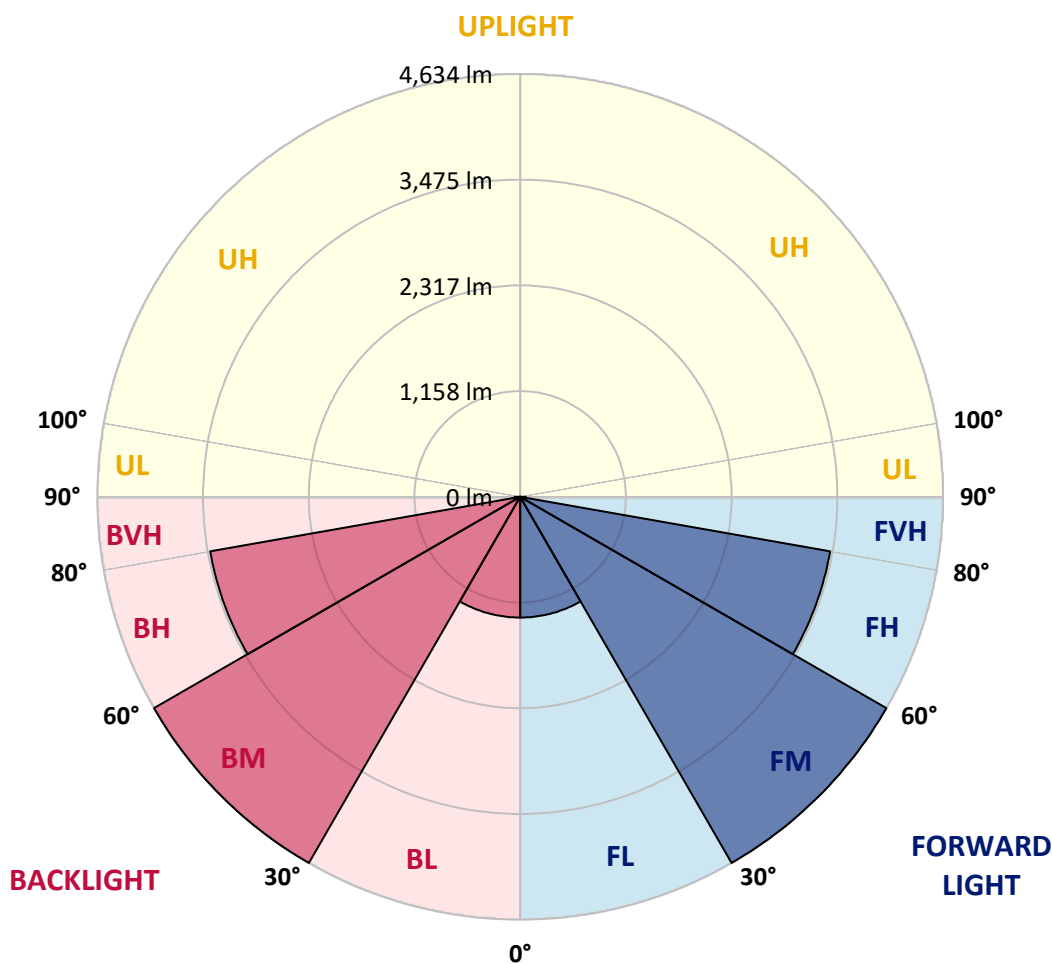
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1323.1	7.0			
FM (30°-60°)	4633.6	24.5			
FH (60°-80°)	3449.1	18.2			G2/5000
FVH (80°-90°)	60.7	0.3			G1/100
BL (0°-30°)	1323.1	7.0	B3/2500		
BM (30°-60°)	4633.6	24.5	B3/5000		
BH (60°-80°)	3449.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	60.7	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-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8
2.5°	3143.3	3150.3	3139.8	3126.9	3139.8	3123.4	3101.2	3102.4	3098.9	3102.4	3094.2
5°	3138.6	3138.6	3125.8	3103.6	3131.6	3146.8	3125.8	3117.6	3119.9	3124.6	3117.6
7.5°	3122.3	3114.1	3096.6	3098.9	3118.8	3111.7	3133.9	3143.3	3159.7	3151.5	3137.4
10°	3067.3	3086.0	3067.3	3060.3	3108.2	3102.4	3116.4	3138.6	3166.7	3160.8	3165.5
12.5°	3035.8	3048.6	3039.3	3031.1	3073.2	3117.6	3137.4	3166.7	3200.5	3205.2	3208.7
15°	2997.2	3012.4	2994.9	3001.9	3072.0	3129.3	3177.2	3222.8	3280.0	3287.0	3291.7
17.5°	2931.8	2949.3	2922.4	2966.8	3054.5	3138.6	3223.9	3294.0	3354.8	3378.2	3378.2
20°	2833.6	2846.5	2848.8	2890.9	3006.6	3143.3	3261.3	3358.3	3438.9	3483.3	3496.2
22.5°	2689.9	2706.3	2735.5	2813.8	2965.7	3129.3	3292.9	3428.4	3560.4	3603.7	3621.2
25°	2555.5	2564.9	2617.5	2737.8	2920.1	3128.1	3336.1	3532.4	3690.2	3779.0	3786.0
27.5°	2425.8	2429.3	2508.8	2647.8	2867.5	3138.6	3389.8	3648.1	3886.5	3984.6	4017.3
30°	2297.3	2307.8	2379.1	2556.7	2823.1	3133.9	3436.6	3773.1	4081.6	4249.9	4282.6
32.5°	2183.9	2200.3	2280.9	2452.7	2768.2	3137.4	3507.9	3940.2	4341.0	4622.6	4639.0
35°	2087.0	2099.8	2180.4	2354.5	2712.1	3150.3	3601.3	4156.4	4751.2	5167.2	5247.8
37.5°	2005.2	2015.7	2101.0	2259.9	2646.7	3148.0	3714.7	4412.3	5261.8	5944.2	6097.3
40°	1952.6	1964.3	2021.5	2178.1	2566.0	3131.6	3828.0	4733.6	5829.7	6855.6	7027.4
42.5°	1901.2	1915.2	1956.1	2102.1	2471.4	3088.4	3941.4	5032.8	6433.8	7716.8	7886.3
45°	1852.1	1856.8	1909.3	2030.9	2366.2	3028.8	4052.4	5300.4	7041.4	8569.9	8733.4
47.5°	1810.0	1810.0	1849.8	1966.6	2271.6	2938.8	4095.6	5566.8	7611.7	9405.3	9505.8
50°	1784.3	1771.5	1796.0	1888.3	2166.4	2791.6	4069.9	5775.9	8278.9	10206.9	10356.5
52.5°	1721.2	1716.5	1735.2	1822.9	2079.9	2647.8	3953.1	5879.9	8996.4	10897.5	11200.2
55°	1655.8	1654.6	1672.1	1744.6	1980.6	2473.7	3680.8	5910.3	9671.8	11660.6	11867.4
57.5°	1590.3	1581.0	1600.9	1673.3	1874.3	2324.2	3382.8	5767.8	10330.8	12399.1	12570.8
60°	1535.4	1528.4	1540.1	1593.8	1765.6	2136.0	3027.6	5566.8	10916.2	12991.5	13190.1
62.5°	1457.1	1458.3	1465.3	1502.7	1648.8	1958.4	2674.7	5211.6	11276.1	13436.7	13626.0
65°	1363.7	1360.1	1375.3	1392.9	1501.5	1764.5	2317.2	4697.4	11357.9	13651.7	13774.4
67.5°	1263.2	1258.5	1266.7	1259.7	1350.8	1563.5	1985.3	4247.5	10957.1	13571.1	13777.9
70°	1139.3	1139.3	1134.6	1110.1	1175.5	1319.2	1688.5	3859.6	9866.9	13314.0	13538.4
72.5°	931.3	933.6	952.3	934.8	973.4	1066.8	1419.7	3416.7	8102.4	12503.1	12853.6
75°	572.6	572.6	587.8	650.9	759.5	810.9	1149.8	2866.4	6567.0	10693.0	11500.5
77.5°	294.5	296.8	305.0	326.0	345.9	398.5	646.2	1924.5	4165.7	6319.3	6681.5
80°	84.1	87.6	196.3	220.8	233.7	243.1	295.6	653.2	1064.5	1033.0	975.7
82.5°	56.1	58.4	114.5	134.4	122.7	100.5	122.7	191.6	160.1	201.0	218.5
85°	29.2	31.5	47.9	52.6	52.6	60.8	56.1	57.3	64.3	122.7	136.7
87.5°	14.0	15.2	19.9	24.5	25.7	29.2	28.0	29.2	32.7	50.2	54.9
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)