

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: P509563

Luminaire Tested: **VERD-G-CA2-120-750-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509563
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-CA2-120-750-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19344 lumens
Efficiency: N/A
Efficacy: 155.1 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

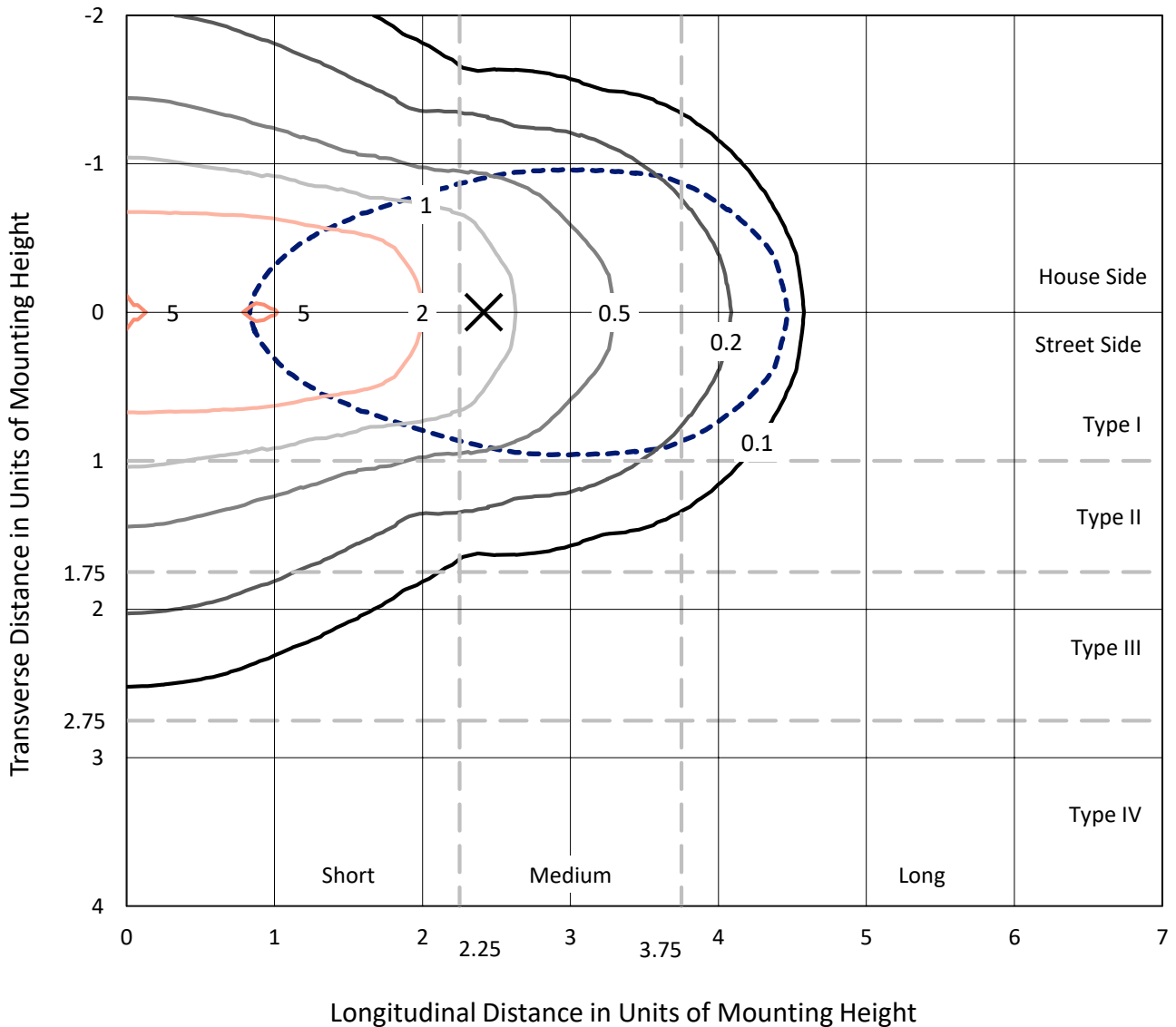
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

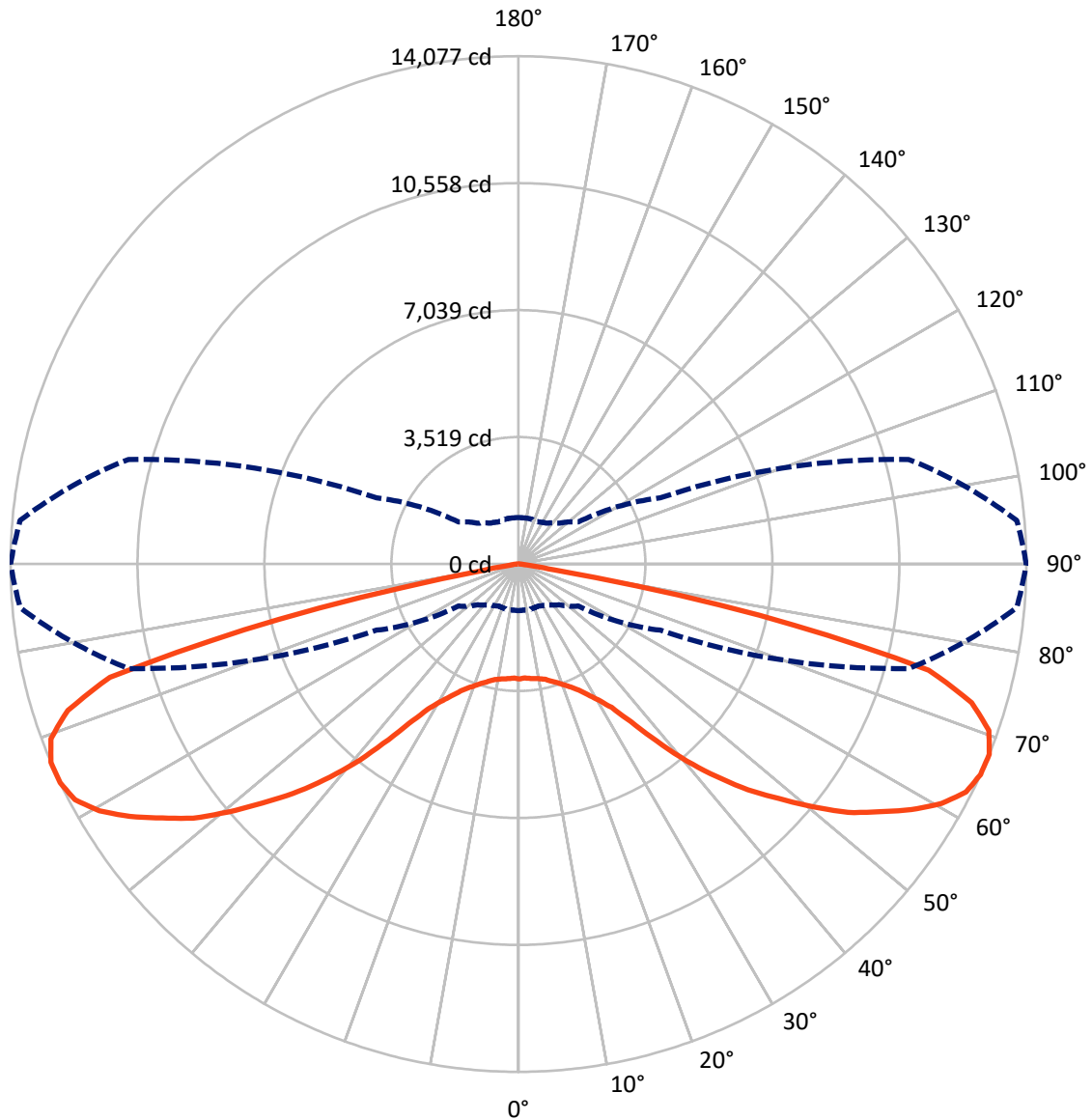
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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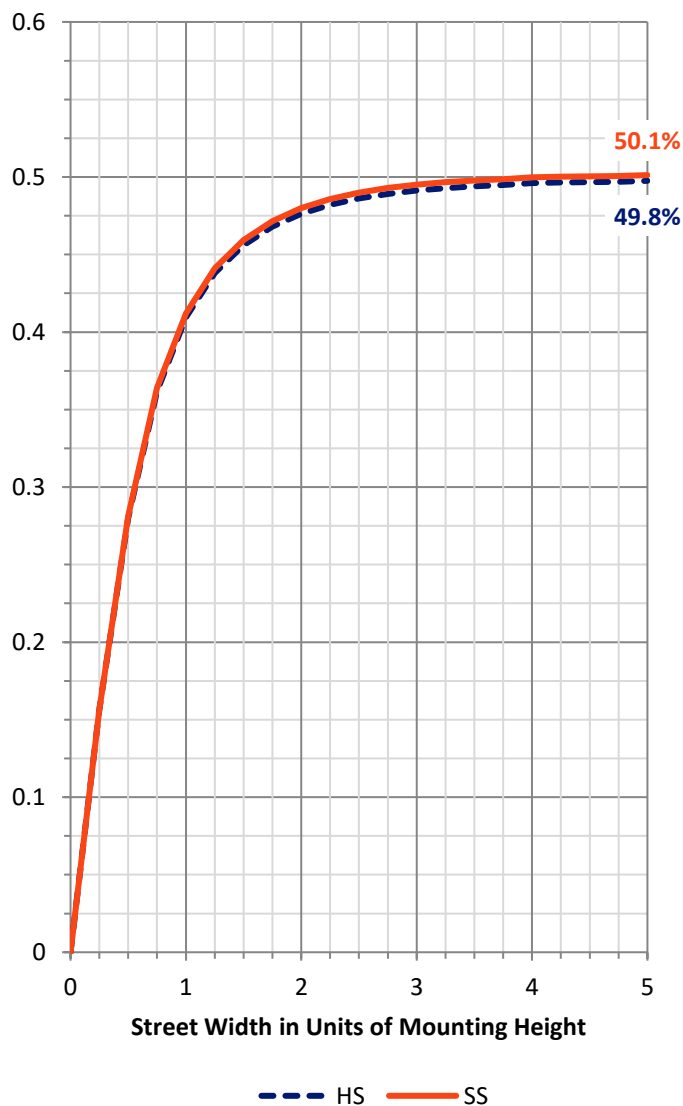
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9672.0	0.0	9672.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9672.0	0.0	9672.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19344.0	0.0	19344.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.4	1.6
10°-20°	906.6	4.7
20°-30°	1492.6	7.7
30°-40°	2180.1	11.3
40°-50°	3180.6	16.4
50°-60°	4107.8	21.2
60°-70°	4377.0	22.6
70°-80°	2671.0	13.8
80°-90°	124.0	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°	19344.0	100.0
0°-180°	19344.0	100.0

Coefficient of Utilization



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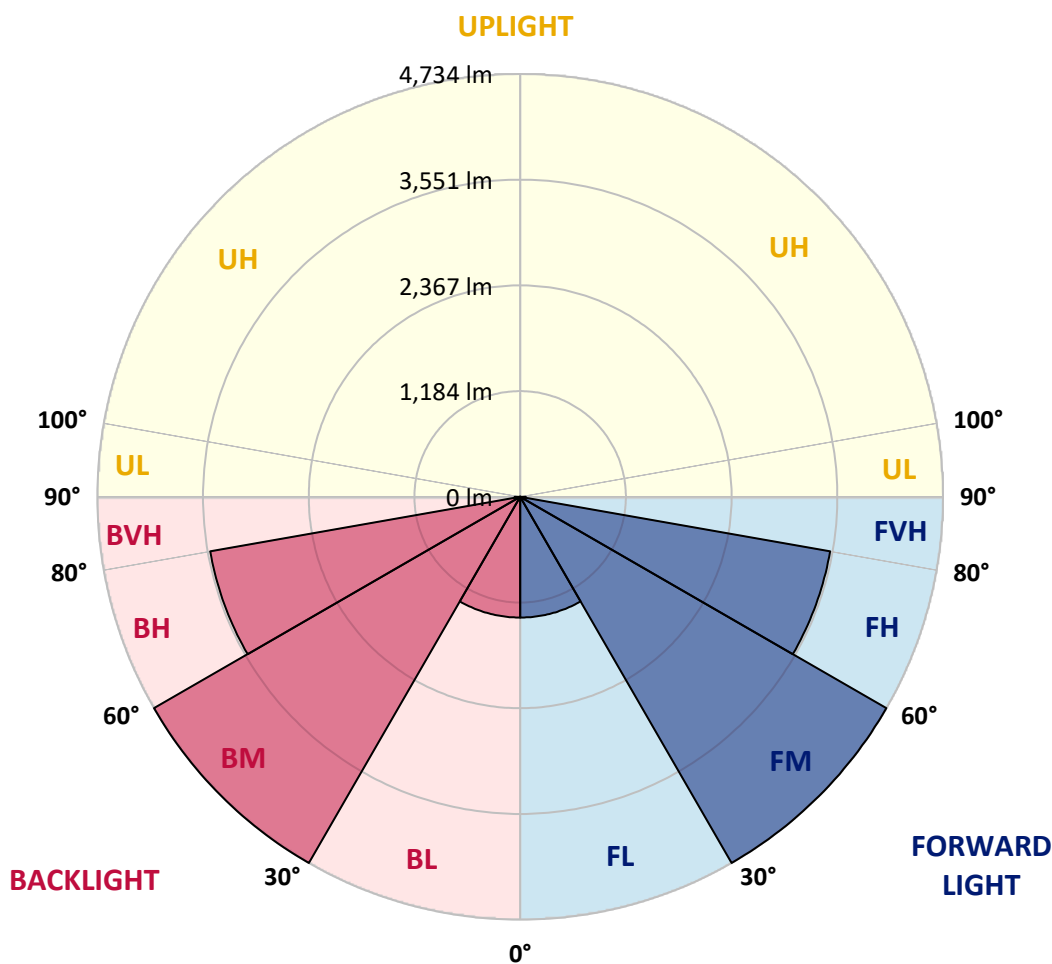
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1351.8	7.0			
FM (30°-60°)	4734.2	24.5			
FH (60°-80°)	3524.0	18.2			G2/5000
FVH (80°-90°)	62.0	0.3			G1/100
BL (0°-30°)	1351.8	7.0	B3/2500		
BM (30°-60°)	4734.2	24.5	B3/5000		
BH (60°-80°)	3524.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	62.0	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°	3186.5	3186.5	3186.5	3186.5	3186.5	3186.5	3186.5	3186.5	3186.5	3186.5	3186.5
2.5°	3211.5	3218.7	3207.9	3194.8	3207.9	3191.2	3168.5	3169.7	3166.2	3169.7	3161.4
5°	3206.8	3206.8	3193.6	3170.9	3199.6	3215.1	3193.6	3185.3	3187.6	3192.4	3185.3
7.5°	3190.0	3181.7	3163.8	3166.2	3186.5	3179.3	3202.0	3211.5	3228.2	3219.9	3205.6
10°	3133.9	3153.0	3133.9	3126.8	3175.7	3169.7	3184.1	3206.8	3235.4	3229.4	3234.2
12.5°	3101.7	3114.8	3105.3	3096.9	3139.9	3185.3	3205.6	3235.4	3270.0	3274.8	3278.4
15°	3062.3	3077.8	3059.9	3067.1	3138.7	3197.2	3246.1	3292.7	3351.2	3358.4	3363.1
17.5°	2995.4	3013.3	2985.9	3031.3	3120.8	3206.8	3293.9	3365.5	3427.6	3451.5	3451.5
20°	2895.1	2908.3	2910.7	2953.6	3071.8	3211.5	3332.1	3431.2	3513.6	3558.9	3572.1
22.5°	2748.3	2765.0	2794.9	2874.9	3030.1	3197.2	3364.3	3502.8	3637.7	3681.9	3699.8
25°	2611.0	2620.6	2674.3	2797.3	2983.5	3196.0	3408.5	3609.1	3770.3	3861.0	3868.2
27.5°	2478.5	2482.1	2563.3	2705.3	2929.8	3206.8	3463.4	3727.3	3970.8	4071.1	4104.5
30°	2347.2	2357.9	2430.7	2612.2	2884.4	3202.0	3511.2	3855.0	4170.2	4342.1	4375.6
32.5°	2231.4	2248.1	2330.4	2505.9	2828.3	3205.6	3584.0	4025.8	4435.2	4723.0	4739.7
35°	2132.3	2145.4	2227.8	2405.7	2771.0	3218.7	3679.5	4246.6	4854.3	5279.3	5361.7
37.5°	2048.7	2059.4	2146.6	2309.0	2704.1	3216.3	3795.3	4508.1	5376.0	6073.2	6229.6
40°	1995.0	2006.9	2065.4	2225.4	2621.8	3199.6	3911.1	4836.4	5956.2	7004.5	7180.0
42.5°	1942.4	1956.8	1998.5	2147.8	2525.0	3155.4	4026.9	5142.0	6573.5	7884.4	8057.5
45°	1892.3	1897.1	1950.8	2075.0	2417.6	3094.5	4140.4	5415.4	7194.3	8755.9	8923.0
47.5°	1849.3	1849.3	1889.9	2009.3	2320.9	3002.6	4184.5	5687.6	7776.9	9609.5	9712.2
50°	1823.0	1809.9	1835.0	1929.3	2213.4	2852.2	4158.3	5901.3	8458.6	10428.5	10581.3
52.5°	1758.6	1753.8	1772.9	1862.4	2125.1	2705.3	4038.9	6007.6	9191.7	11134.1	11443.3
55°	1691.7	1690.5	1708.4	1782.5	2023.6	2527.4	3760.7	6038.6	9881.7	11913.7	12125.0
57.5°	1624.9	1615.3	1635.6	1709.6	1915.0	2374.6	3456.3	5893.0	10555.1	12668.2	12843.7
60°	1568.8	1561.6	1573.5	1628.4	1803.9	2182.4	3093.3	5687.6	11153.2	13273.5	13476.5
62.5°	1488.8	1490.0	1497.1	1535.3	1684.6	2000.9	2732.8	5324.7	11520.9	13728.4	13921.8
65°	1393.3	1389.7	1405.2	1423.1	1534.1	1802.8	2367.5	4799.4	11604.5	13948.1	14073.4
67.5°	1290.6	1285.8	1294.2	1287.0	1380.1	1597.4	2028.4	4339.7	11195.0	13865.7	14077.0
70°	1164.0	1164.0	1159.3	1134.2	1201.0	1347.9	1725.2	3943.4	10081.1	13603.0	13832.2
72.5°	951.5	953.9	973.0	955.1	994.5	1090.0	1450.6	3490.9	8278.3	12774.5	13132.6
75°	585.0	585.0	600.5	665.0	776.0	828.6	1174.8	2928.6	6709.6	10925.2	11750.1
77.5°	300.9	303.2	311.6	333.1	353.4	407.1	660.2	1966.3	4256.2	6456.5	6826.6
80°	86.0	89.5	200.6	225.6	238.8	248.3	302.1	667.4	1087.6	1055.4	996.9
82.5°	57.3	59.7	117.0	137.3	125.4	102.7	125.4	195.8	163.6	205.3	223.3
85°	29.8	32.2	48.9	53.7	53.7	62.1	57.3	58.5	65.7	125.4	139.7
87.5°	14.3	15.5	20.3	25.1	26.3	29.8	28.7	29.8	33.4	51.3	56.1
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)