

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: P553551

Luminaire Tested: **VERD-G-CA2-150-727-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553551
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-CA2-150-727-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1380mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19638 lumens
Efficiency: N/A
Efficacy: 129.0 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

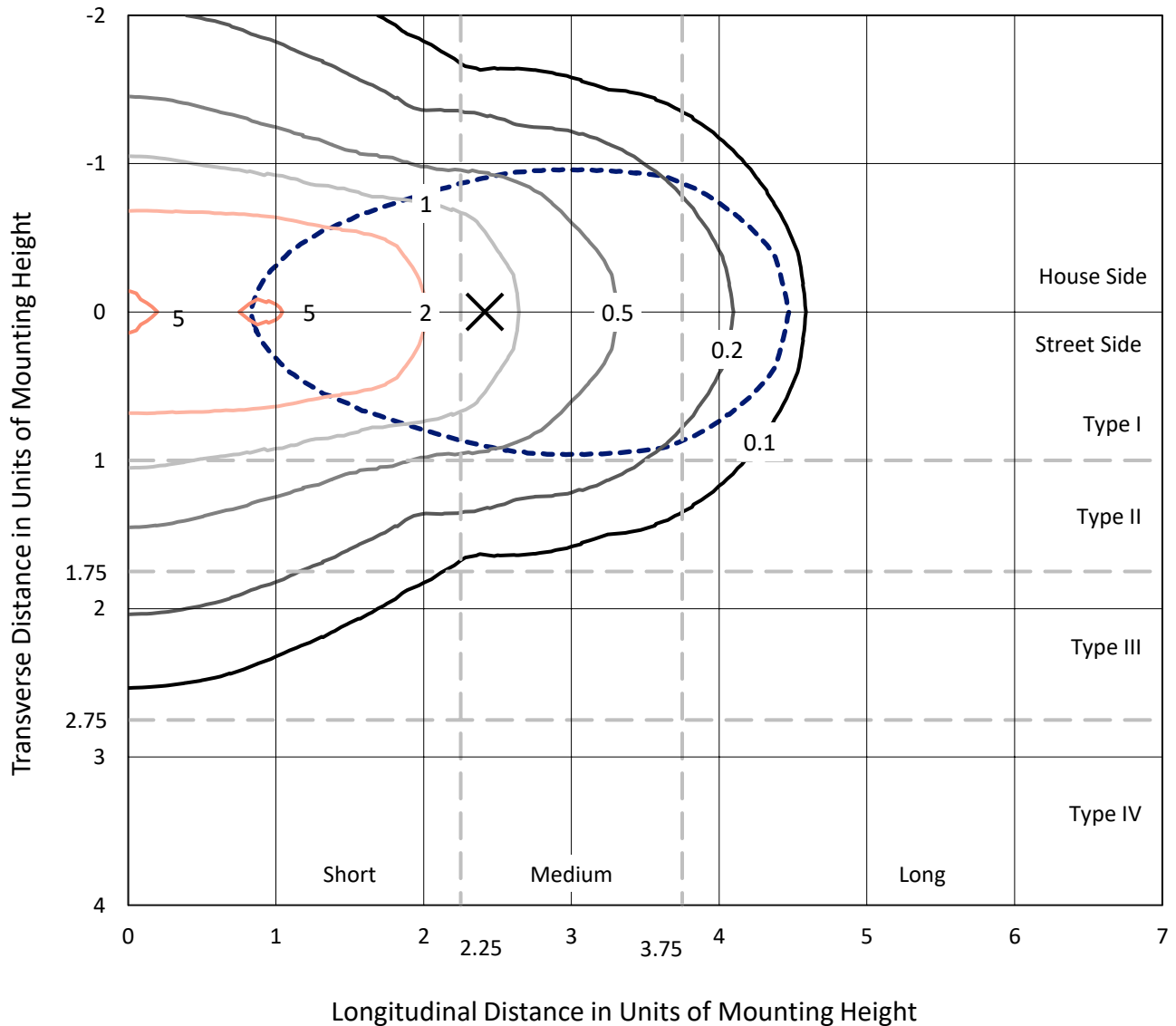
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

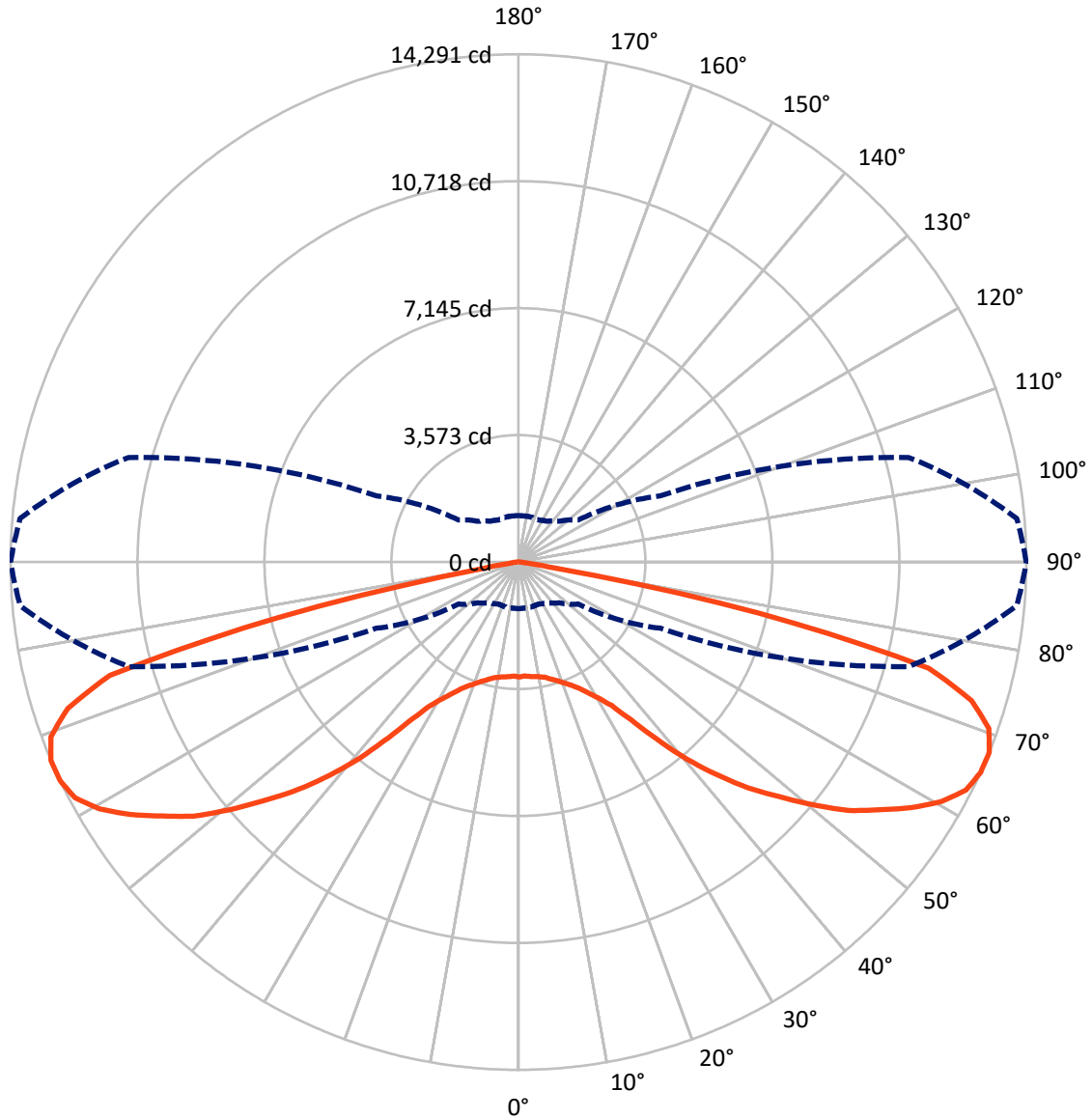
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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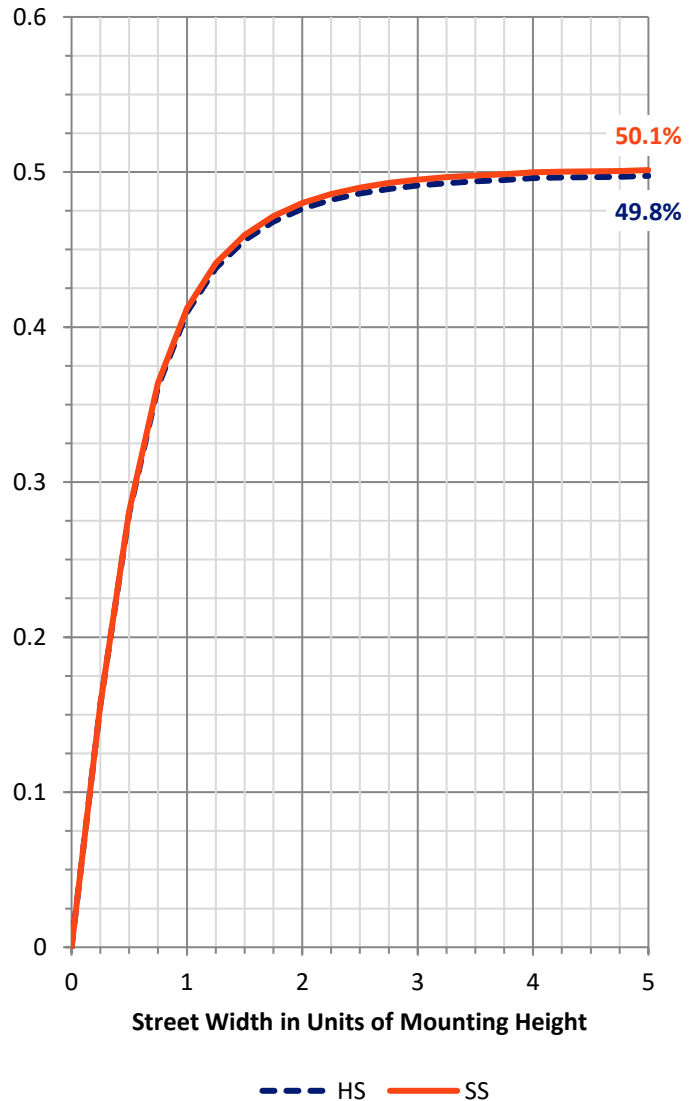
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9819.0	0.0	9819.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9819.0	0.0	9819.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19638.0	0.0	19638.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.1	1.6
10°-20°	920.3	4.7
20°-30°	1515.3	7.7
30°-40°	2213.2	11.3
40°-50°	3229.0	16.4
50°-60°	4170.2	21.2
60°-70°	4443.5	22.6
70°-80°	2711.6	13.8
80°-90°	125.9	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°	19638.0	100.0
0°-180°	19638.0	100.0

Coefficient of Utilization



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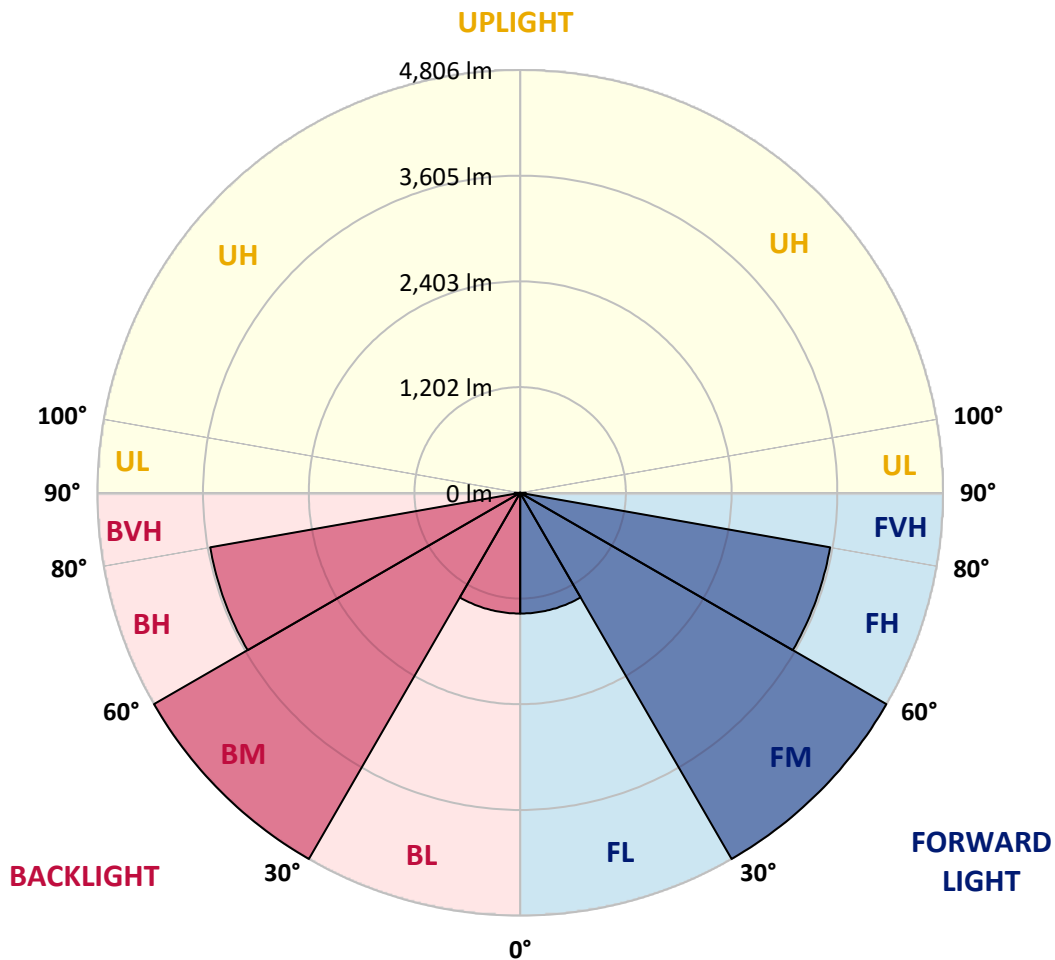
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1372.3	7.0			
FM (30°-60°)	4806.2	24.5			
FH (60°-80°)	3577.6	18.2			G2/5000
FVH (80°-90°)	62.9	0.3			G1/100
BL (0°-30°)	1372.3	7.0	B3/2500		
BM (30°-60°)	4806.2	24.5	B3/5000		
BH (60°-80°)	3577.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	62.9	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°	3234.9	3234.9	3234.9	3234.9	3234.9	3234.9	3234.9	3234.9	3234.9	3234.9	3234.9
2.5°	3260.3	3267.6	3256.7	3243.4	3256.7	3239.7	3216.7	3217.9	3214.3	3217.9	3209.4
5°	3255.5	3255.5	3242.2	3219.1	3248.2	3264.0	3242.2	3233.7	3236.1	3240.9	3233.7
7.5°	3238.5	3230.0	3211.9	3214.3	3234.9	3227.6	3250.6	3260.3	3277.3	3268.8	3254.3
10°	3181.6	3200.9	3181.6	3174.3	3224.0	3217.9	3232.5	3255.5	3284.6	3278.5	3283.4
12.5°	3148.8	3162.2	3152.5	3144.0	3187.6	3233.7	3254.3	3284.6	3319.7	3324.6	3328.2
15°	3108.8	3124.6	3106.4	3113.7	3186.4	3245.8	3295.5	3342.8	3402.1	3409.4	3414.3
17.5°	3041.0	3059.1	3031.3	3077.3	3168.2	3255.5	3344.0	3416.7	3479.7	3504.0	3504.0
20°	2939.2	2952.5	2954.9	2998.5	3118.5	3260.3	3382.8	3483.3	3567.0	3613.0	3626.4
22.5°	2790.1	2807.0	2837.3	2918.5	3076.1	3245.8	3415.5	3556.1	3693.0	3737.9	3756.1
25°	2650.7	2660.4	2714.9	2839.8	3028.8	3244.6	3460.3	3663.9	3827.6	3919.7	3926.9
27.5°	2516.2	2519.8	2602.2	2746.4	2974.3	3255.5	3516.1	3783.9	4031.2	4133.0	4166.9
30°	2382.8	2393.7	2467.7	2651.9	2928.2	3250.6	3564.6	3913.6	4233.6	4408.1	4442.1
32.5°	2265.3	2282.2	2365.9	2544.0	2871.3	3254.3	3638.5	4086.9	4502.7	4794.8	4811.7
35°	2164.7	2178.0	2261.6	2442.2	2813.1	3267.6	3735.4	4311.2	4928.1	5359.6	5443.2
37.5°	2079.8	2090.7	2179.2	2344.0	2745.2	3265.2	3853.0	4576.6	5457.7	6165.6	6324.3
40°	2025.3	2037.4	2096.8	2259.2	2661.6	3248.2	3970.6	4909.9	6046.8	7110.9	7289.1
42.5°	1972.0	1986.5	2028.9	2180.4	2563.4	3203.4	4088.1	5220.2	6673.4	8004.2	8179.9
45°	1921.1	1925.9	1980.4	2106.5	2454.3	3141.6	4203.3	5497.7	7303.6	8889.0	9058.6
47.5°	1877.4	1877.4	1918.6	2039.8	2356.2	3048.2	4248.1	5774.1	7895.1	9755.6	9859.8
50°	1850.8	1837.4	1862.9	1958.6	2247.1	2895.5	4221.5	5991.0	8587.2	10587.0	10742.1
52.5°	1785.3	1780.5	1799.9	1890.8	2157.4	2746.4	4100.3	6098.9	9331.4	11303.3	11617.2
55°	1717.4	1716.2	1734.4	1809.5	2054.4	2565.8	3817.9	6130.4	10031.9	12094.8	12309.3
57.5°	1649.6	1639.9	1660.5	1735.6	1944.1	2410.7	3508.8	5982.5	10715.5	12860.8	13038.9
60°	1592.6	1585.3	1597.4	1653.2	1831.4	2215.6	3140.3	5774.1	11322.7	13475.3	13681.3
62.5°	1511.4	1512.6	1519.9	1558.7	1710.2	2031.3	2774.3	5405.6	11696.0	13937.0	14133.4
65°	1414.4	1410.8	1426.5	1444.7	1557.4	1830.2	2403.4	4872.3	11780.8	14160.0	14287.3
67.5°	1310.2	1305.3	1313.8	1306.6	1401.1	1621.7	2059.2	4405.7	11365.1	14076.4	14290.9
70°	1181.7	1181.7	1176.9	1151.4	1219.3	1368.4	1751.4	4003.3	10234.3	13809.8	14042.5
72.5°	966.0	968.4	987.8	969.6	1009.6	1106.6	1472.6	3544.0	8404.2	12968.6	13332.2
75°	593.9	593.9	609.6	675.1	787.8	841.1	1192.6	2973.1	6811.6	11091.2	11928.7
77.5°	305.4	307.9	316.3	338.2	358.8	413.3	670.2	1996.2	4320.9	6554.6	6930.3
80°	87.3	90.9	203.6	229.1	242.4	252.1	306.6	677.5	1104.2	1071.4	1012.0
82.5°	58.2	60.6	118.8	139.4	127.3	104.2	127.3	198.8	166.0	208.5	226.6
85°	30.3	32.7	49.7	54.5	54.5	63.0	58.2	59.4	66.7	127.3	141.8
87.5°	14.5	15.8	20.6	25.5	26.7	30.3	29.1	30.3	33.9	52.1	57.0
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)