

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: P553543

Luminaire Tested: **VERD-G-CA2-150-722-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553543
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-CA2-150-722-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1380mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18901 lumens
Efficiency: N/A
Efficacy: 124.2 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

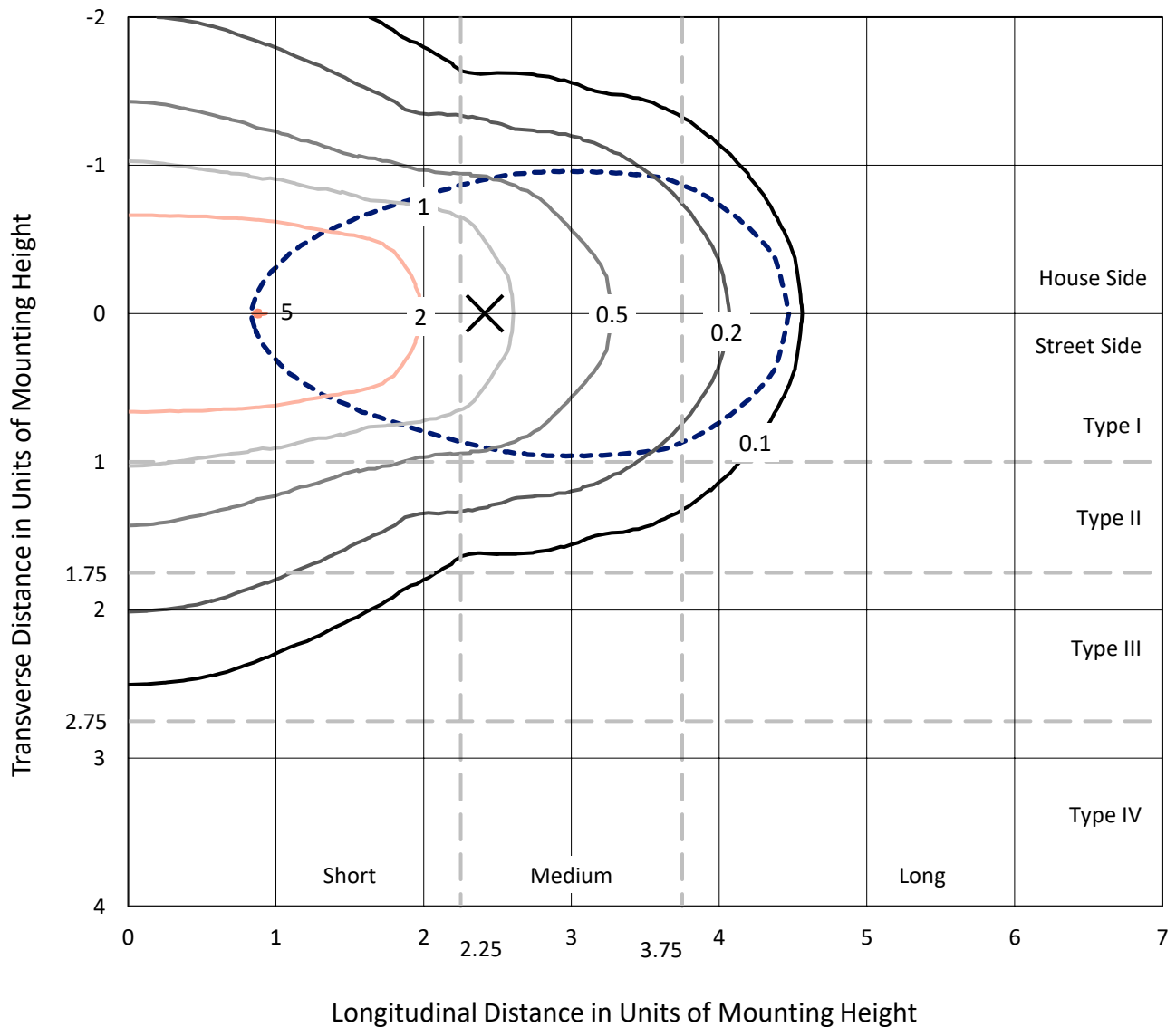
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

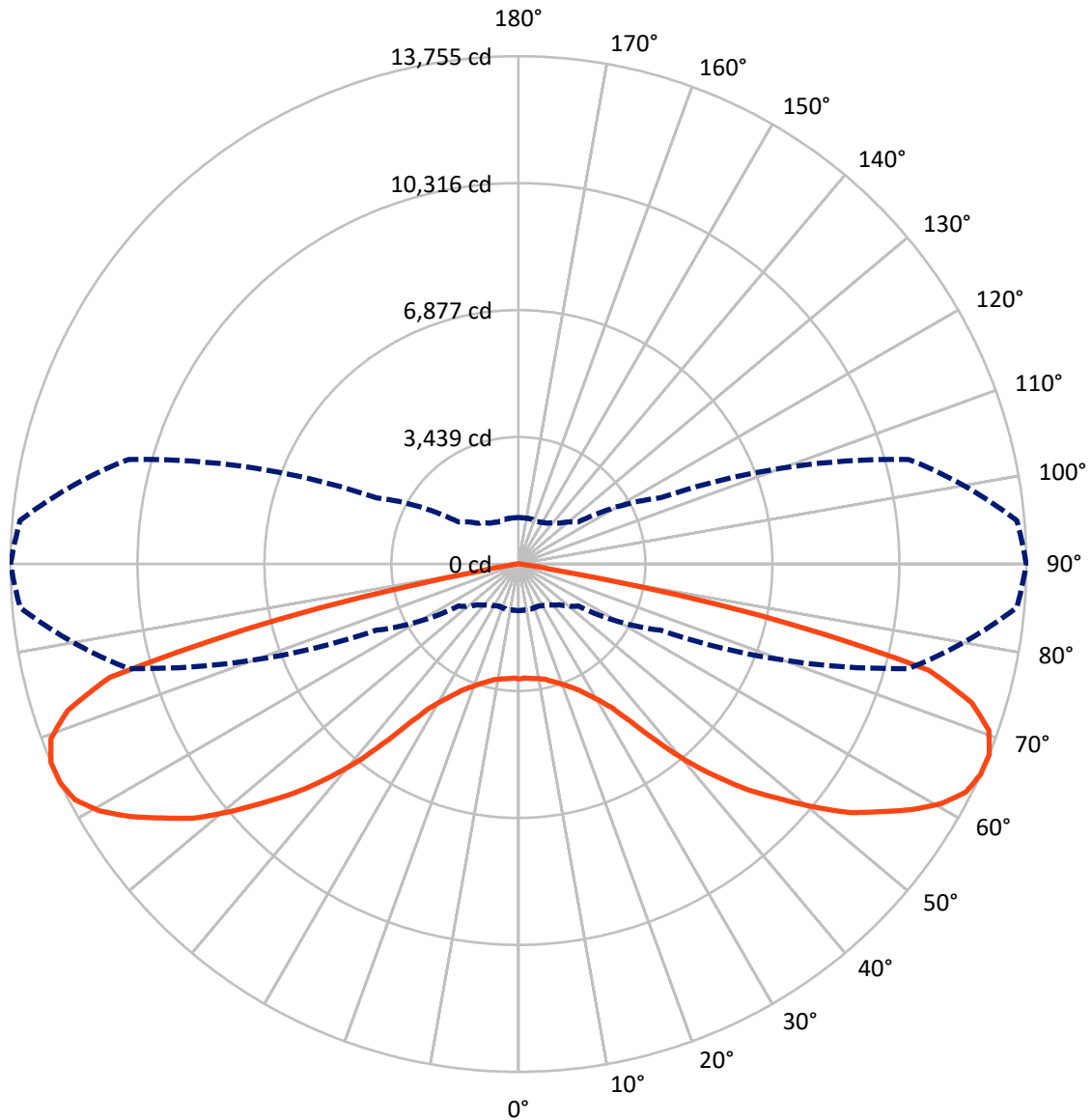
× Max cd
 - - - 1/2 Max cd



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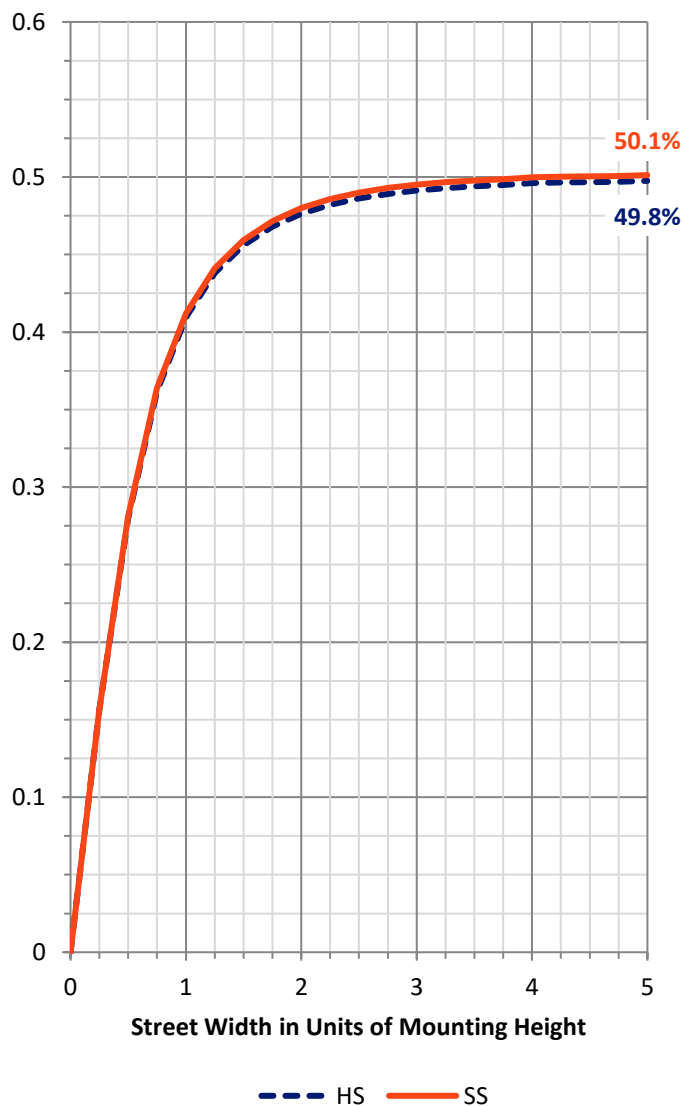
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9450.5	0.0	9450.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9450.5	0.0	9450.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18901.0	0.0	18901.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.5	1.6
10°-20°	885.8	4.7
20°-30°	1458.4	7.7
30°-40°	2130.1	11.3
40°-50°	3107.8	16.4
50°-60°	4013.7	21.2
60°-70°	4276.8	22.6
70°-80°	2609.8	13.8
80°-90°	121.1	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°	18901.0	100.0
0°-180°	18901.0	100.0

Coefficient of Utilization



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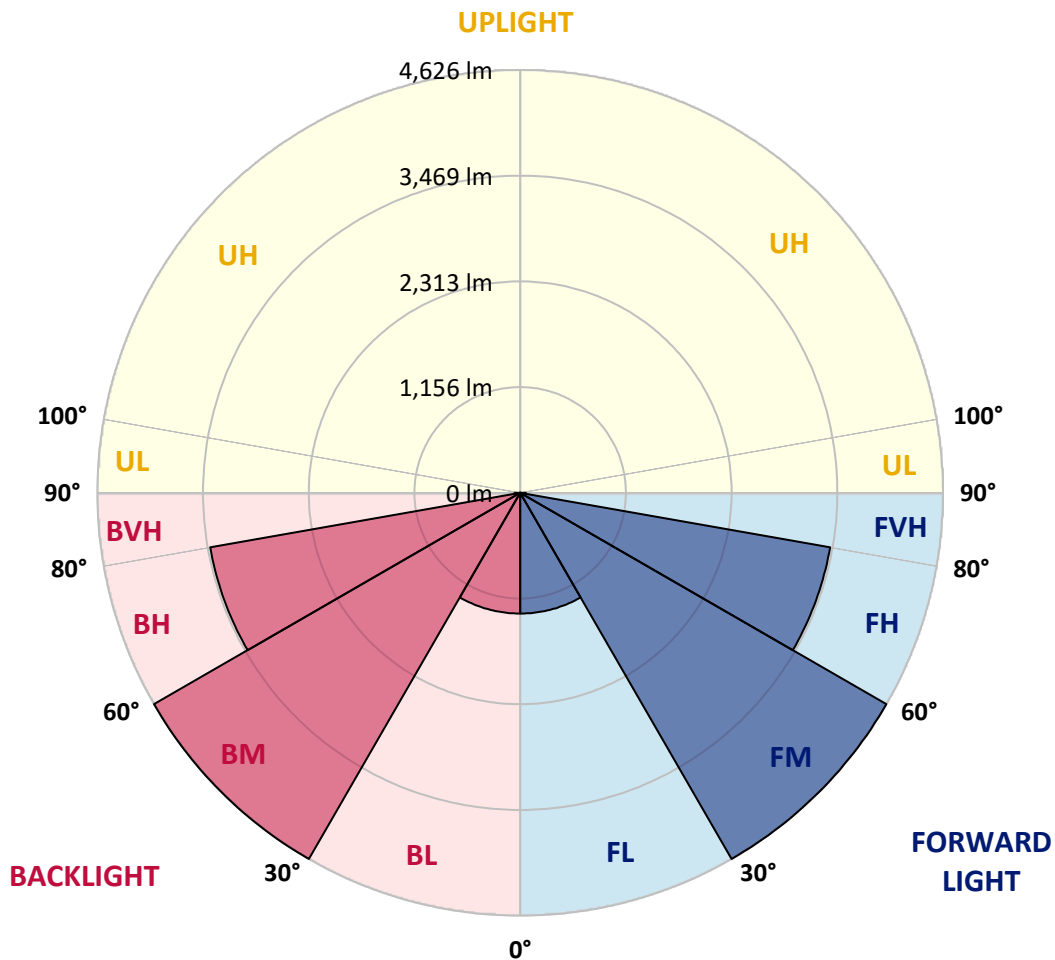
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1320.8	7.0			
FM (30°-60°)	4625.8	24.5			
FH (60°-80°)	3443.3	18.2			G2/5000
FVH (80°-90°)	60.6	0.3			G1/100
BL (0°-30°)	1320.8	7.0	B3/2500		
BM (30°-60°)	4625.8	24.5	B3/5000		
BH (60°-80°)	3443.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	60.6	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°	3113.5	3113.5	3113.5	3113.5	3113.5	3113.5	3113.5	3113.5	3113.5	3113.5	3113.5
2.5°	3138.0	3145.0	3134.5	3121.6	3134.5	3118.1	3096.0	3097.2	3093.7	3097.2	3089.0
5°	3133.3	3133.3	3120.5	3098.3	3126.3	3141.5	3120.5	3112.3	3114.6	3119.3	3112.3
7.5°	3117.0	3108.8	3091.3	3093.7	3113.5	3106.5	3128.6	3138.0	3154.3	3146.1	3132.1
10°	3062.2	3080.8	3062.2	3055.2	3103.0	3097.2	3111.1	3133.3	3161.3	3155.5	3160.1
12.5°	3030.7	3043.5	3034.2	3026.0	3068.0	3112.3	3132.1	3161.3	3195.1	3199.8	3203.3
15°	2992.2	3007.3	2989.8	2996.8	3066.8	3124.0	3171.8	3217.3	3274.5	3281.5	3286.1
17.5°	2926.8	2944.3	2917.5	2961.8	3049.3	3133.3	3218.5	3288.5	3349.1	3372.5	3372.5
20°	2828.8	2841.7	2844.0	2886.0	3001.5	3138.0	3255.8	3352.6	3433.1	3477.4	3490.3
22.5°	2685.4	2701.7	2730.9	2809.0	2960.7	3124.0	3287.3	3422.6	3554.4	3597.6	3615.1
25°	2551.2	2560.5	2613.0	2733.2	2915.2	3122.8	3330.5	3526.4	3683.9	3772.6	3779.6
27.5°	2421.7	2425.2	2504.6	2643.4	2862.7	3133.3	3384.1	3641.9	3879.9	3977.9	4010.5
30°	2293.4	2303.9	2375.1	2552.4	2818.3	3128.6	3430.8	3766.7	4074.7	4242.7	4275.4
32.5°	2180.3	2196.6	2277.1	2448.6	2763.5	3132.1	3501.9	3933.6	4333.7	4614.8	4631.1
35°	2083.4	2096.3	2176.8	2350.6	2707.5	3145.0	3595.3	4149.4	4743.1	5158.4	5238.9
37.5°	2001.8	2012.3	2097.4	2256.1	2642.2	3142.6	3708.4	4404.8	5252.9	5934.2	6087.0
40°	1949.3	1960.9	2018.1	2174.4	2561.7	3126.3	3821.6	4725.6	5819.8	6844.1	7015.5
42.5°	1898.0	1912.0	1952.8	2098.6	2467.2	3083.2	3934.7	5024.3	6422.9	7703.8	7872.9
45°	1849.0	1853.6	1906.1	2027.4	2362.2	3023.7	4045.5	5291.4	7029.5	8555.4	8718.7
47.5°	1807.0	1807.0	1846.6	1963.3	2267.7	2933.8	4088.7	5557.4	7598.8	9389.4	9489.8
50°	1781.3	1768.5	1793.0	1885.1	2162.8	2786.9	4063.0	5766.2	8264.9	10189.7	10339.0
52.5°	1718.3	1713.6	1732.3	1819.8	2076.4	2643.4	3946.4	5870.0	8981.2	10879.1	11181.2
55°	1653.0	1651.8	1669.3	1741.6	1977.3	2469.6	3674.6	5900.3	9655.4	11640.9	11847.3
57.5°	1587.7	1578.3	1598.2	1670.5	1871.1	2320.2	3377.1	5758.0	10313.3	12378.1	12549.6
60°	1532.8	1525.8	1537.5	1591.2	1762.6	2132.4	3022.5	5557.4	10897.8	12969.5	13167.8
62.5°	1454.7	1455.8	1462.8	1500.2	1646.0	1955.1	2670.2	5202.7	11257.1	13414.0	13603.0
65°	1361.3	1357.8	1373.0	1390.5	1499.0	1761.5	2313.2	4689.5	11338.7	13628.6	13751.1
67.5°	1261.0	1256.4	1264.5	1257.5	1348.5	1560.8	1981.9	4240.4	10938.6	13548.1	13754.6
70°	1137.4	1137.4	1132.7	1108.2	1173.5	1317.0	1685.6	3853.1	9850.2	13291.5	13515.5
72.5°	929.7	932.1	950.7	933.2	971.7	1065.0	1417.3	3410.9	8088.8	12481.9	12831.9
75°	571.6	571.6	586.8	649.8	758.2	809.6	1147.9	2861.5	6555.9	10675.0	11481.0
77.5°	294.0	296.3	304.5	325.5	345.3	397.8	645.1	1921.3	4158.7	6308.6	6670.2
80°	84.0	87.5	196.0	220.5	233.3	242.6	295.1	652.1	1062.7	1031.2	974.1
82.5°	56.0	58.3	114.3	134.2	122.5	100.3	122.5	191.3	159.8	200.6	218.1
85°	29.2	31.5	47.8	52.5	52.5	60.7	56.0	57.2	64.2	122.5	136.5
87.5°	14.0	15.2	19.8	24.5	25.7	29.2	28.0	29.2	32.7	50.2	54.8
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)