

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: P509483

Luminaire Tested: **VERD-G-CA2-110-722-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509483
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-CA2-110-722-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1020mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14355 lumens
Efficiency: N/A
Efficacy: 126.8 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

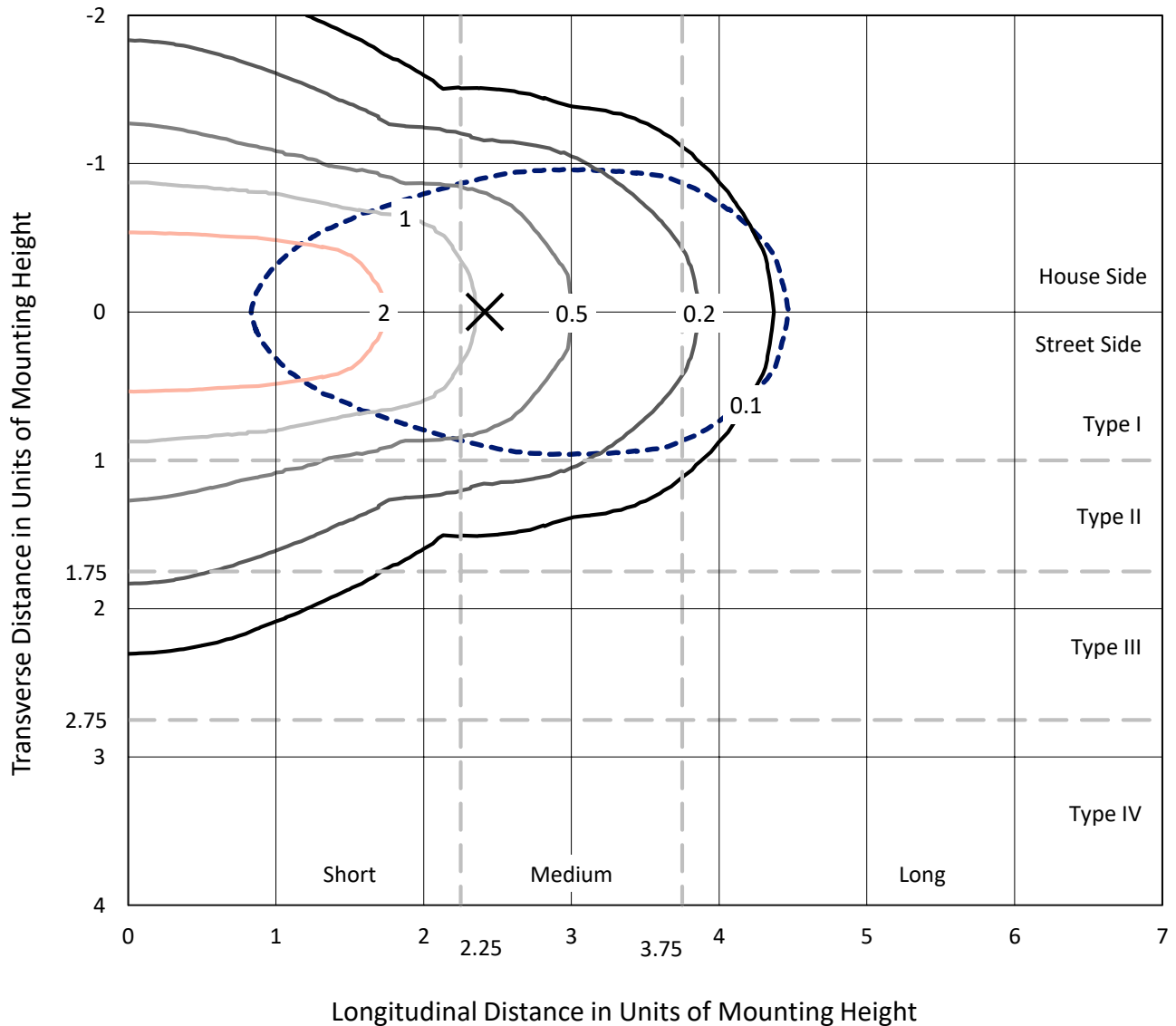
Input Watts (W): 113.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

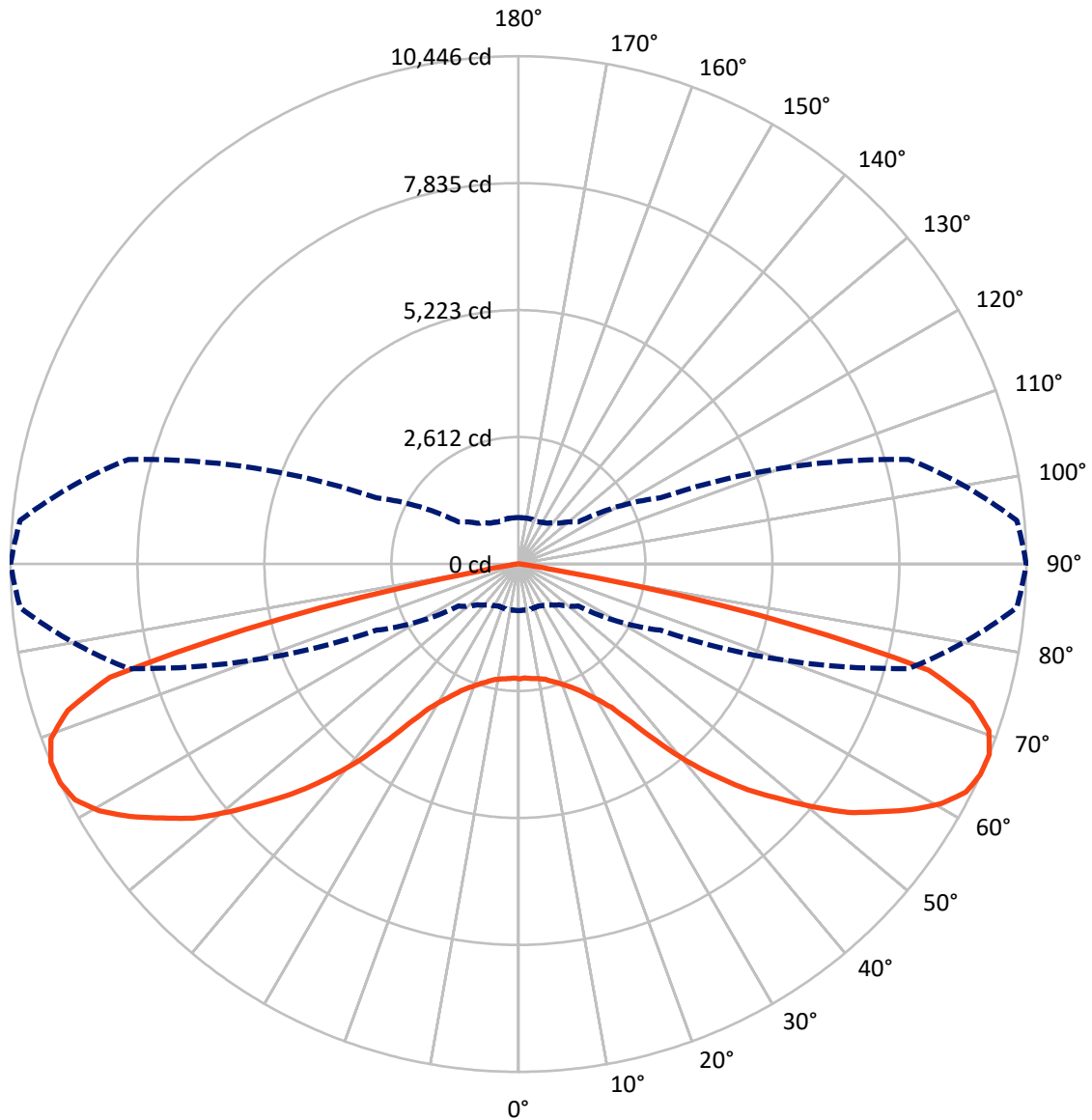
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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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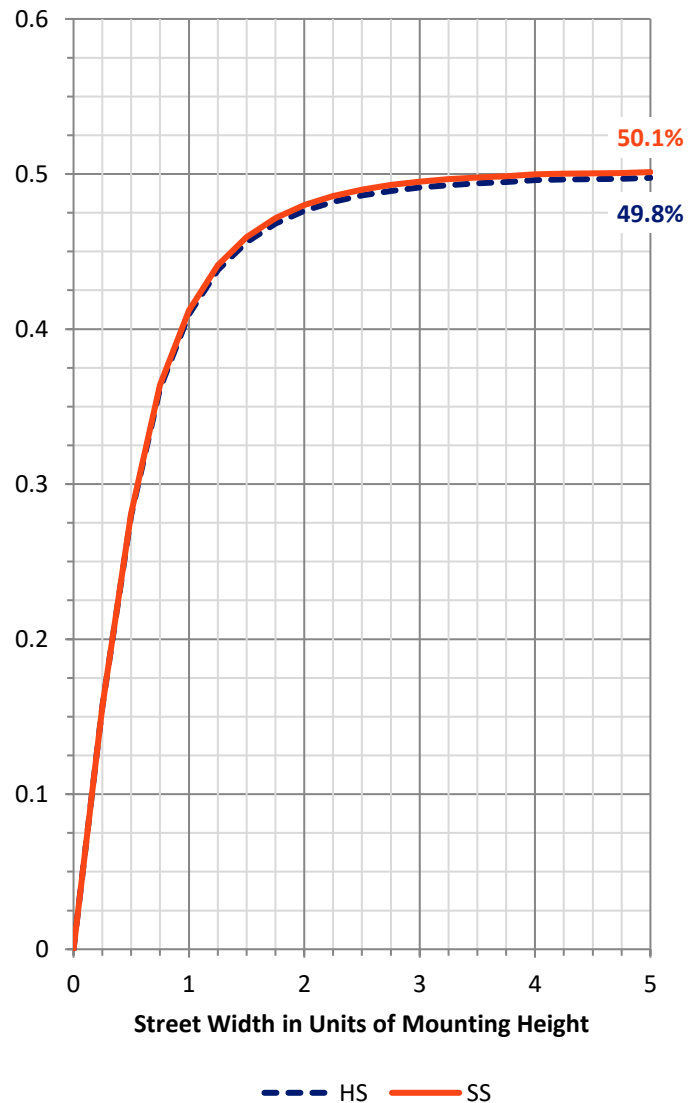
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7177.5	0.0	7177.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7177.5	0.0	7177.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14355.0	0.0	14355.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.9	1.6
10°-20°	672.8	4.7
20°-30°	1107.6	7.7
30°-40°	1617.8	11.3
40°-50°	2360.3	16.4
50°-60°	3048.3	21.2
60°-70°	3248.2	22.6
70°-80°	1982.1	13.8
80°-90°	92.0	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°	14355.0	100.0
0°-180°	14355.0	100.0



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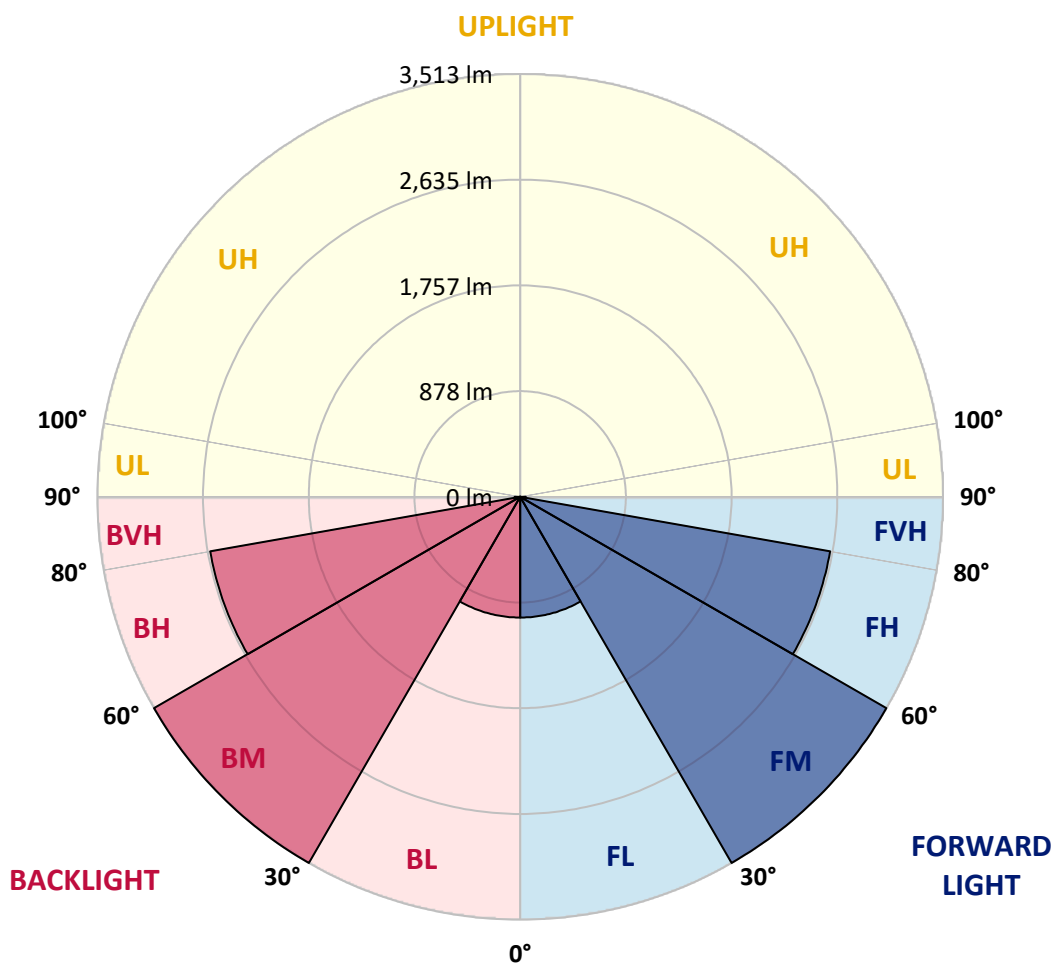
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1003.2	7.0			
FM	(30°-60°)	3513.2	24.5			
FH	(60°-80°)	2615.1	18.2			G2/5000
FVH	(80°-90°)	46.0	0.3			G1/100
BL	(0°-30°)	1003.2	7.0	B3/2500		
BM	(30°-60°)	3513.2	24.5	B3/5000		
BH	(60°-80°)	2615.1	18.2	B4/5000		G4/5000
BVH	(80°-90°)	46.0	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°	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6
2.5°	2383.2	2388.6	2380.6	2370.8	2380.6	2368.2	2351.3	2352.2	2349.6	2352.2	2346.0
5°	2379.7	2379.7	2370.0	2353.1	2374.4	2385.9	2370.0	2363.8	2365.5	2369.1	2363.8
7.5°	2367.3	2361.1	2347.8	2349.6	2364.6	2359.3	2376.2	2383.2	2395.6	2389.4	2378.8
10°	2325.7	2339.8	2325.7	2320.3	2356.7	2352.2	2362.9	2379.7	2401.0	2396.5	2400.1
12.5°	2301.7	2311.5	2304.4	2298.2	2330.1	2363.8	2378.8	2401.0	2426.7	2430.2	2432.9
15°	2272.5	2284.0	2270.7	2276.0	2329.2	2372.6	2408.9	2443.5	2486.9	2492.2	2495.8
17.5°	2222.9	2236.2	2215.8	2249.5	2315.9	2379.7	2444.4	2497.5	2543.6	2561.3	2561.3
20°	2148.5	2158.2	2160.0	2191.9	2279.6	2383.2	2472.7	2546.3	2607.4	2641.1	2650.8
22.5°	2039.5	2051.9	2074.0	2133.4	2248.6	2372.6	2496.6	2599.4	2699.5	2732.3	2745.6
25°	1937.6	1944.7	1984.6	2075.8	2214.0	2371.7	2529.4	2678.3	2797.9	2865.2	2870.5
27.5°	1839.3	1841.9	1902.2	2007.6	2174.2	2379.7	2570.2	2766.0	2946.7	3021.1	3045.9
30°	1741.8	1749.8	1803.8	1938.5	2140.5	2376.2	2605.6	2860.8	3094.7	3222.3	3247.1
32.5°	1655.9	1668.3	1729.4	1859.6	2098.8	2378.8	2659.7	2987.5	3291.4	3504.9	3517.3
35°	1582.3	1592.1	1653.2	1785.2	2056.3	2388.6	2730.5	3151.4	3602.3	3917.7	3978.9
37.5°	1520.3	1528.3	1593.0	1713.5	2006.7	2386.8	2816.5	3345.4	3989.5	4506.9	4623.0
40°	1480.4	1489.3	1532.7	1651.4	1945.6	2374.4	2902.4	3589.0	4420.1	5198.0	5328.2
42.5°	1441.5	1452.1	1483.1	1593.8	1873.8	2341.6	2988.4	3815.8	4878.1	5850.9	5979.4
45°	1404.3	1407.8	1447.7	1539.8	1794.1	2296.4	3072.5	4018.7	5338.8	6497.7	6621.7
47.5°	1372.4	1372.4	1402.5	1491.1	1722.3	2228.2	3105.3	4220.7	5771.2	7131.1	7207.3
50°	1352.9	1343.1	1361.7	1431.7	1642.6	2116.6	3085.8	4379.3	6277.1	7738.9	7852.3
52.5°	1305.0	1301.5	1315.7	1382.1	1577.0	2007.6	2997.2	4458.2	6821.0	8262.5	8492.0
55°	1255.4	1254.5	1267.8	1322.7	1501.7	1875.6	2790.8	4481.2	7333.1	8841.0	8997.9
57.5°	1205.8	1198.7	1213.8	1268.7	1421.1	1762.2	2564.9	4373.1	7832.8	9401.0	9531.2
60°	1164.2	1158.8	1167.7	1208.5	1338.7	1619.5	2295.5	4220.7	8276.7	9850.2	10000.8
62.5°	1104.8	1105.7	1111.0	1139.3	1250.1	1484.9	2028.0	3951.4	8549.6	10187.7	10331.2
65°	1033.9	1031.3	1042.8	1056.1	1138.5	1337.8	1756.9	3561.6	8611.6	10350.7	10443.7
67.5°	957.7	954.2	960.4	955.1	1024.2	1185.4	1505.3	3220.5	8307.7	10289.6	10446.4
70°	863.8	863.8	860.3	841.7	891.3	1000.3	1280.2	2926.3	7481.1	10094.7	10264.8
72.5°	706.1	707.9	722.1	708.8	738.0	808.9	1076.4	2590.6	6143.3	9479.8	9745.6
75°	434.1	434.1	445.6	493.5	575.9	614.9	871.8	2173.3	4979.1	8107.5	8719.7
77.5°	223.3	225.0	231.2	247.2	262.2	302.1	489.9	1459.2	3158.5	4791.3	5065.9
80°	63.8	66.4	148.8	167.4	177.2	184.3	224.1	495.3	807.1	783.2	739.8
82.5°	42.5	44.3	86.8	101.9	93.0	76.2	93.0	145.3	121.4	152.4	165.7
85°	22.1	23.9	36.3	39.9	39.9	46.1	42.5	43.4	48.7	93.0	103.7
87.5°	10.6	11.5	15.1	18.6	19.5	22.1	21.3	22.1	24.8	38.1	41.6
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)