

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: P509531

Luminaire Tested: **VERD-G-CA2-120-722-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509531
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-CA2-120-722-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15481 lumens
Efficiency: N/A
Efficacy: 124.1 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

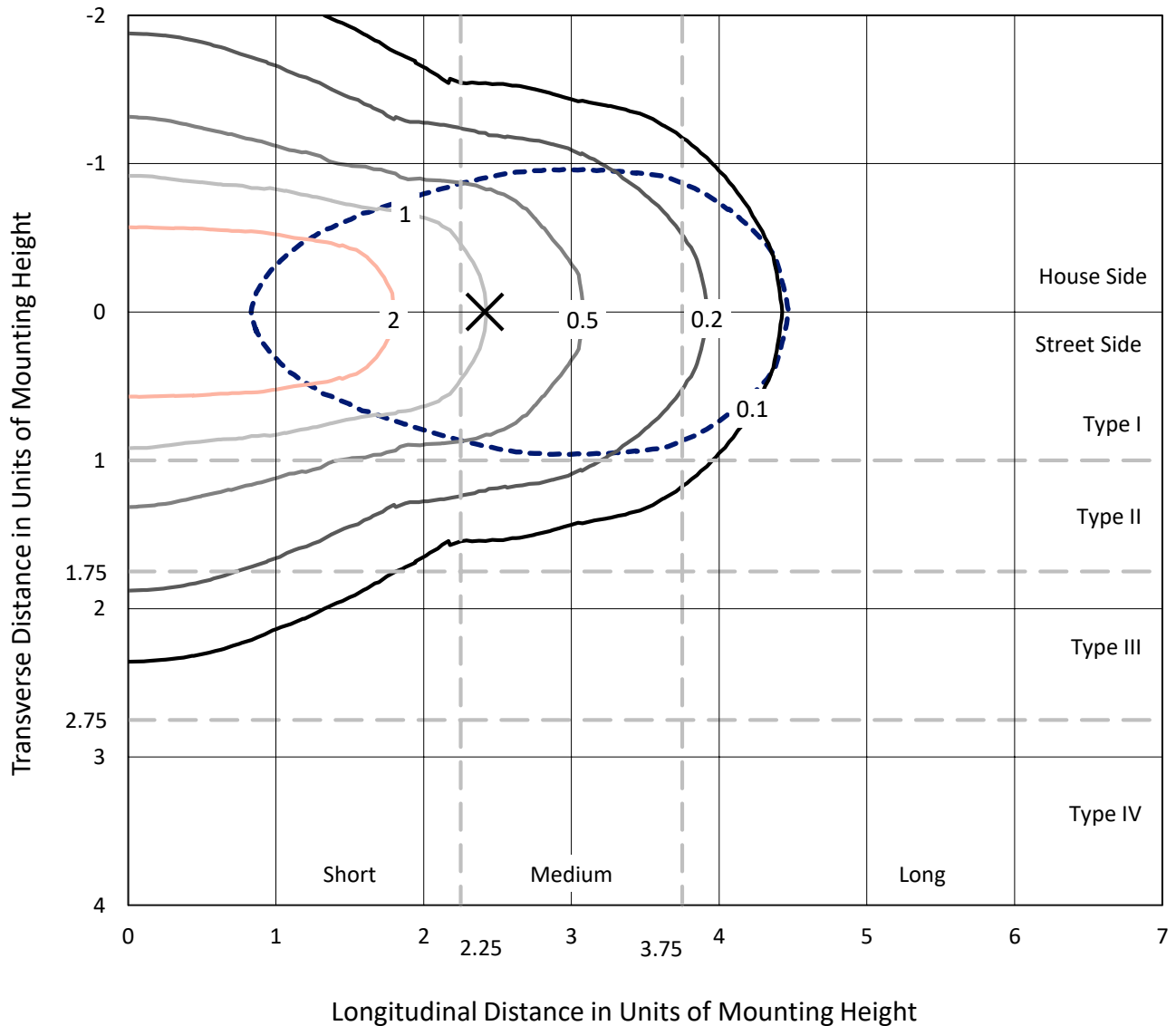
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509531
 CATALOG NUMBER: VERD-G-CA2-120-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

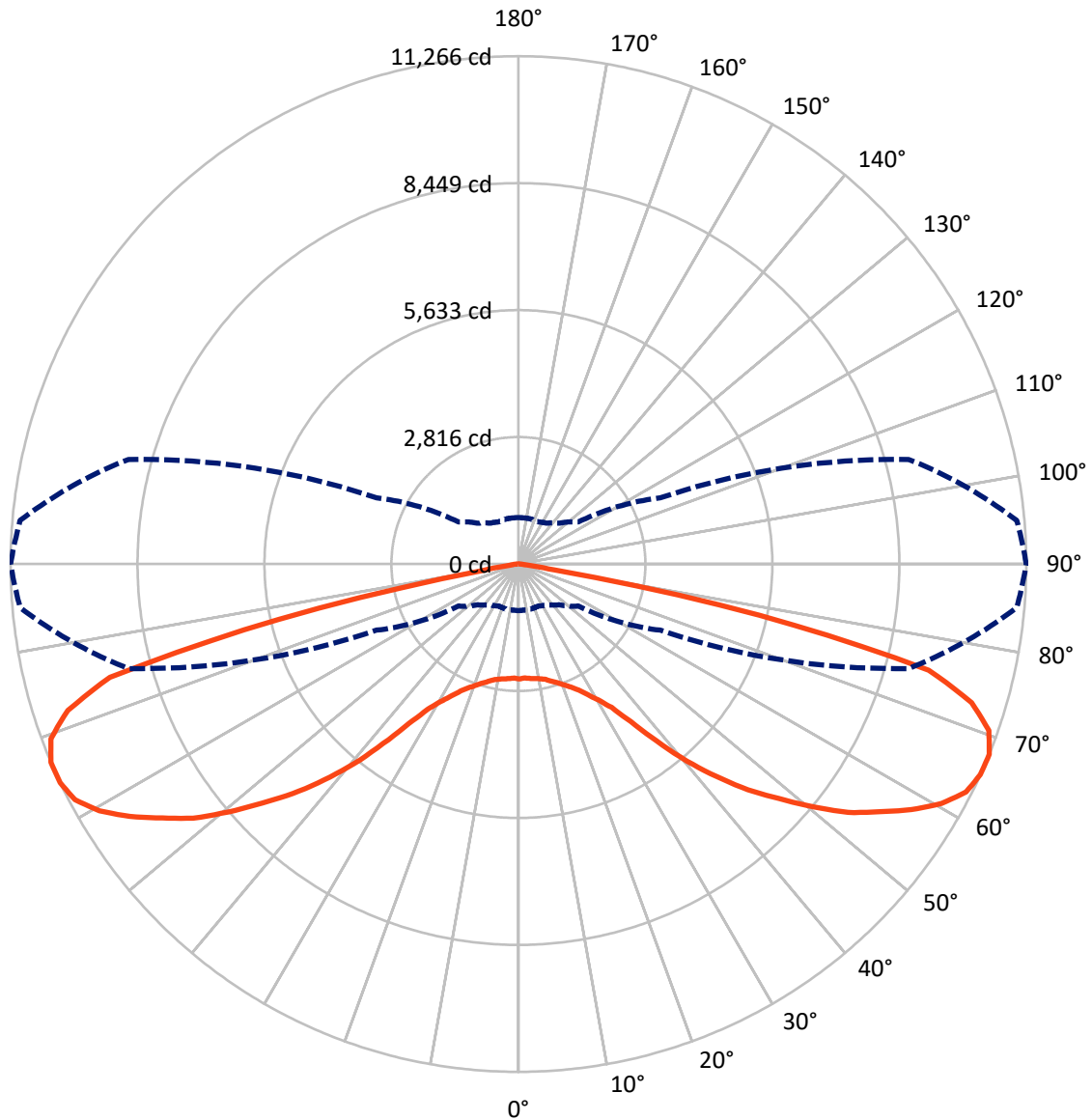
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type I - Short - N/A

REPORT NUMBER: P509531
CATALOG NUMBER: VERD-G-CA2-120-722-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P509531

CATALOG NUMBER: VERD-G-CA2-120-722-U-T1

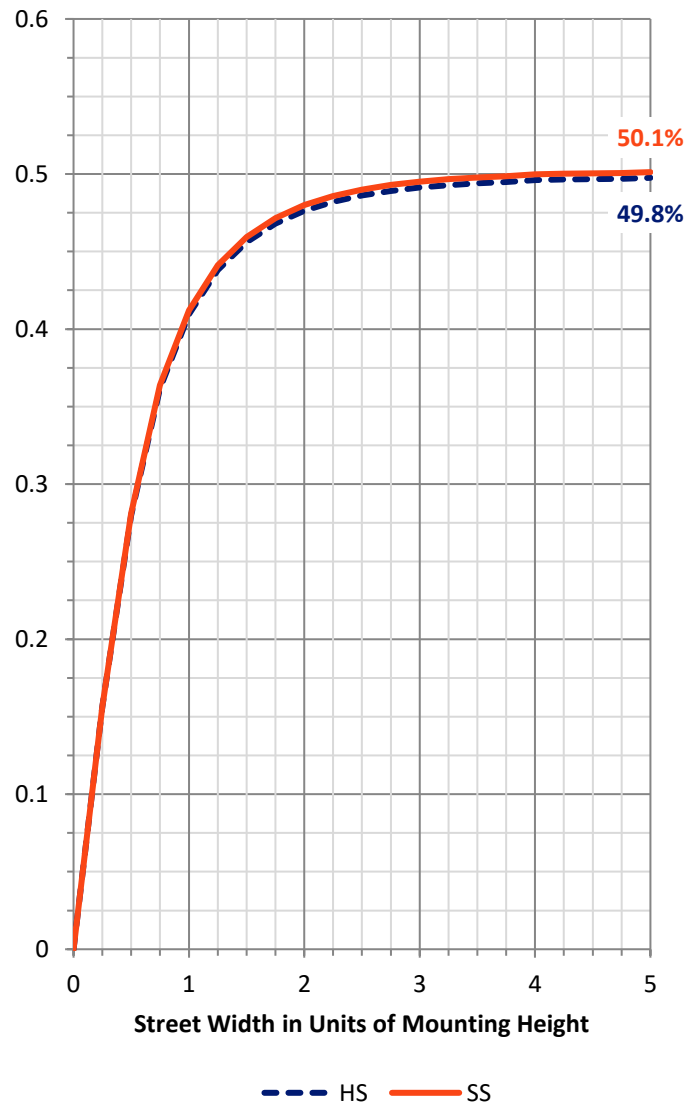
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7740.5	0.0	7740.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7740.5	0.0	7740.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15481.0	0.0	15481.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.6	1.6
10°-20°	725.5	4.7
20°-30°	1194.5	7.7
30°-40°	1744.7	11.3
40°-50°	2545.5	16.4
50°-60°	3287.4	21.2
60°-70°	3502.9	22.6
70°-80°	2137.6	13.8
80°-90°	99.2	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°	15481.0	100.0
0°-180°	15481.0	100.0



REPORT NUMBER: P509531

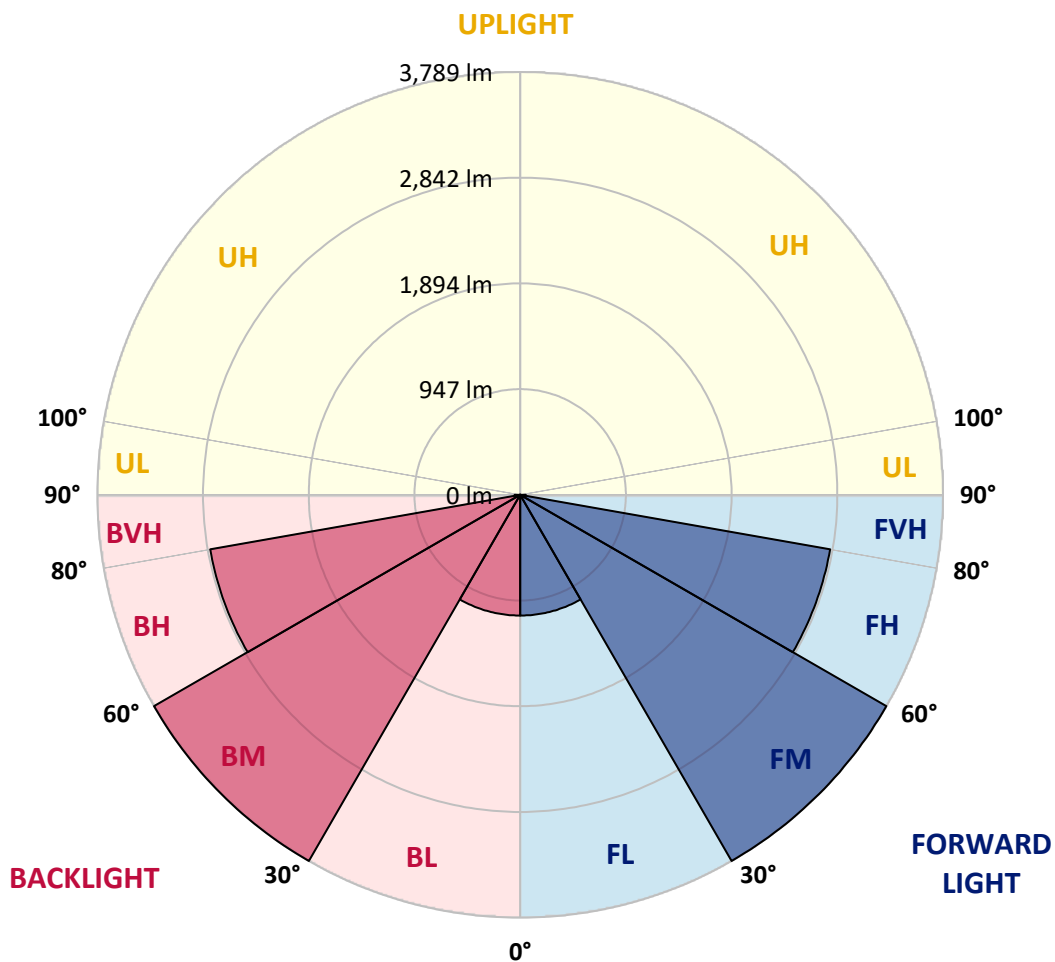
CATALOG NUMBER: VERD-G-CA2-120-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1081.8	7.0			
FM (30°-60°)	3788.8	24.5			
FH (60°-80°)	2820.3	18.2			G2/5000
FVH (80°-90°)	49.6	0.3			G1/100
BL (0°-30°)	1081.8	7.0	B3/2500		
BM (30°-60°)	3788.8	24.5	B3/5000		
BH (60°-80°)	2820.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	49.6	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





REPORT NUMBER: P509531
 CATALOG NUMBER: VERD-G-CA2-120-722-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2550.1	2550.1	2550.1	2550.1	2550.1	2550.1	2550.1	2550.1	2550.1	2550.1	2550.1
2.5°	2570.2	2575.9	2567.3	2556.8	2567.3	2553.9	2535.8	2536.7	2533.9	2536.7	2530.1
5°	2566.4	2566.4	2555.9	2537.7	2560.6	2573.1	2555.9	2549.2	2551.1	2554.9	2549.2
7.5°	2553.0	2546.3	2532.0	2533.9	2550.1	2544.4	2562.5	2570.2	2583.6	2576.9	2565.4
10°	2508.1	2523.4	2508.1	2502.3	2541.5	2536.7	2548.2	2566.4	2589.3	2584.5	2588.3
12.5°	2482.3	2492.8	2485.1	2478.5	2512.9	2549.2	2565.4	2589.3	2617.0	2620.8	2623.7
15°	2450.8	2463.2	2448.8	2454.6	2511.9	2558.7	2597.9	2635.2	2682.0	2687.7	2691.5
17.5°	2397.2	2411.6	2389.6	2425.9	2497.6	2566.4	2636.1	2693.4	2743.1	2762.2	2762.2
20°	2317.0	2327.5	2329.4	2363.8	2458.4	2570.2	2666.7	2746.0	2811.9	2848.2	2858.7
22.5°	2199.5	2212.8	2236.7	2300.7	2425.0	2558.7	2692.5	2803.3	2911.3	2946.6	2961.0
25°	2089.6	2097.2	2140.2	2238.6	2387.7	2557.8	2727.8	2888.4	3017.3	3090.0	3095.7
27.5°	1983.5	1986.4	2051.4	2165.1	2344.7	2566.4	2771.8	2982.9	3177.9	3258.1	3284.9
30°	1878.4	1887.0	1945.3	2090.5	2308.4	2562.5	2810.0	3085.2	3337.4	3475.0	3501.8
32.5°	1785.8	1799.1	1865.1	2005.5	2263.5	2565.4	2868.3	3221.8	3549.5	3779.8	3793.2
35°	1706.4	1717.0	1782.9	1925.2	2217.6	2575.9	2944.7	3398.6	3884.9	4225.0	4291.0
37.5°	1639.6	1648.2	1717.9	1847.9	2164.1	2574.0	3037.4	3607.8	4302.4	4860.4	4985.6
40°	1596.6	1606.1	1652.9	1781.0	2098.2	2560.6	3130.1	3870.6	4766.8	5605.7	5746.1
42.5°	1554.5	1566.0	1599.4	1718.9	2020.8	2525.3	3222.8	4115.2	5260.8	6309.9	6448.4
45°	1514.4	1518.2	1561.2	1660.6	1934.8	2476.5	3313.5	4334.0	5757.6	7007.3	7141.1
47.5°	1480.0	1480.0	1512.5	1608.0	1857.4	2403.0	3348.9	4551.8	6223.9	7690.5	7772.7
50°	1459.0	1448.5	1468.5	1544.0	1771.4	2282.6	3327.9	4722.8	6769.4	8345.9	8468.2
52.5°	1407.4	1403.6	1418.9	1490.5	1700.7	2165.1	3232.3	4807.9	7356.1	8910.6	9158.1
55°	1353.9	1352.9	1367.3	1426.5	1619.5	2022.7	3009.7	4832.7	7908.3	9534.5	9703.6
57.5°	1300.4	1292.7	1309.0	1368.2	1532.6	1900.4	2766.1	4716.1	8447.2	10138.4	10278.8
60°	1255.5	1249.7	1259.3	1303.2	1443.7	1746.6	2475.6	4551.8	8925.9	10622.8	10785.2
62.5°	1191.5	1192.4	1198.1	1228.7	1348.2	1601.3	2187.0	4261.3	9220.2	10986.8	11141.6
65°	1115.0	1112.2	1124.6	1138.9	1227.8	1442.7	1894.7	3840.9	9287.1	11162.6	11262.9
67.5°	1032.9	1029.0	1035.7	1030.0	1104.5	1278.4	1623.3	3473.1	8959.3	11096.7	11265.8
70°	931.6	931.6	927.8	907.7	961.2	1078.7	1380.6	3155.9	8067.9	10886.5	11069.9
72.5°	761.5	763.4	778.7	764.4	795.9	872.3	1160.9	2793.8	6625.2	10223.4	10510.0
75°	468.2	468.2	480.6	532.2	621.0	663.1	940.2	2343.7	5369.7	8743.4	9403.6
77.5°	240.8	242.7	249.4	266.6	282.8	325.8	528.4	1573.6	3406.2	5167.1	5463.3
80°	68.8	71.7	160.5	180.6	191.1	198.7	241.7	534.1	870.4	844.6	797.8
82.5°	45.9	47.8	93.6	109.9	100.3	82.2	100.3	156.7	130.9	164.3	178.7
85°	23.9	25.8	39.2	43.0	43.0	49.7	45.9	46.8	52.6	100.3	111.8
87.5°	11.5	12.4	16.2	20.1	21.0	23.9	22.9	23.9	26.8	41.1	44.9
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)