

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: P509459

Luminaire Tested: **VERD-G-CA2-100-740-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509459
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-CA2-100-740-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 930mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16203 lumens
Efficiency: N/A
Efficacy: 157.9 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

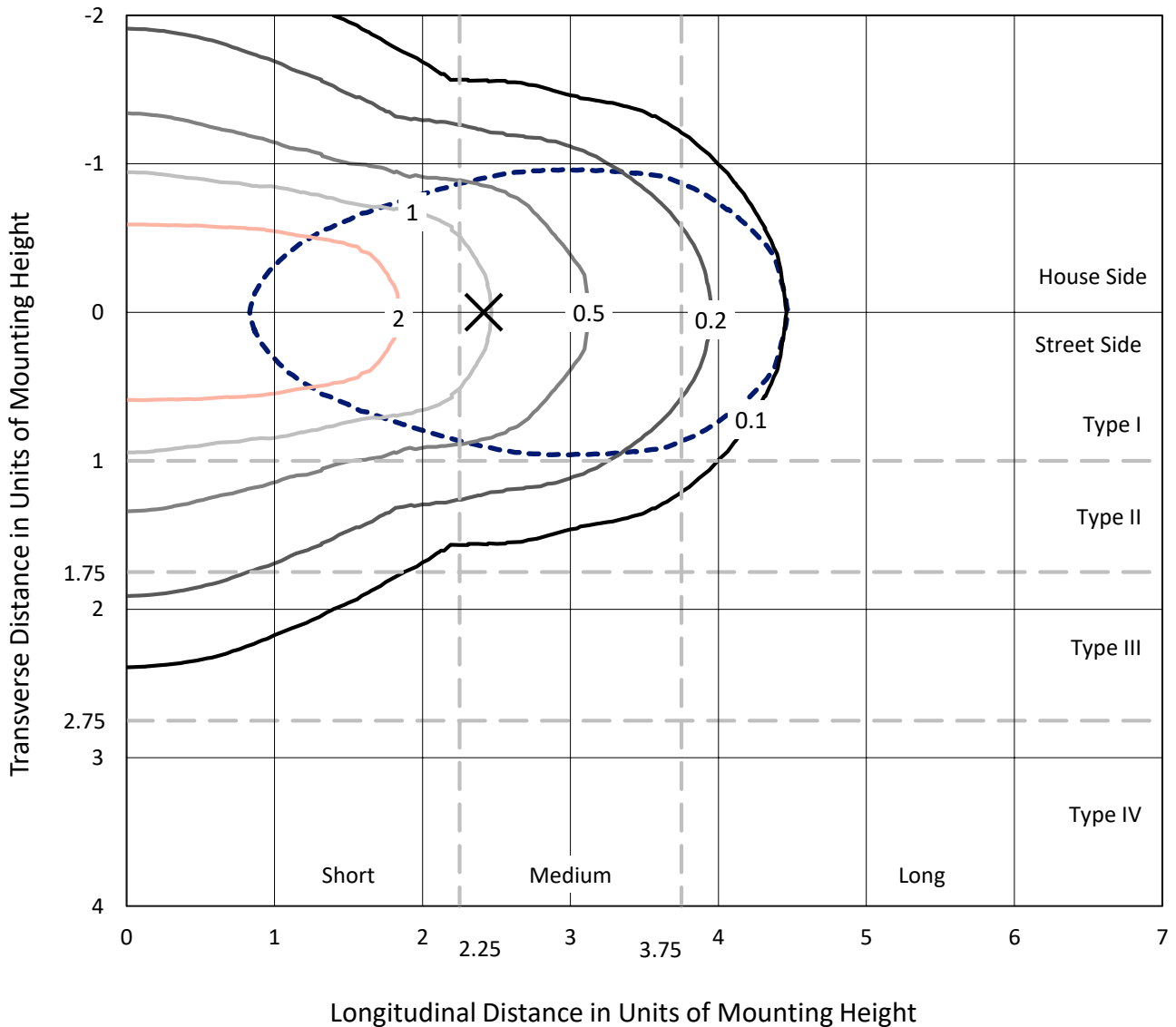
Input Watts (W): 102.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

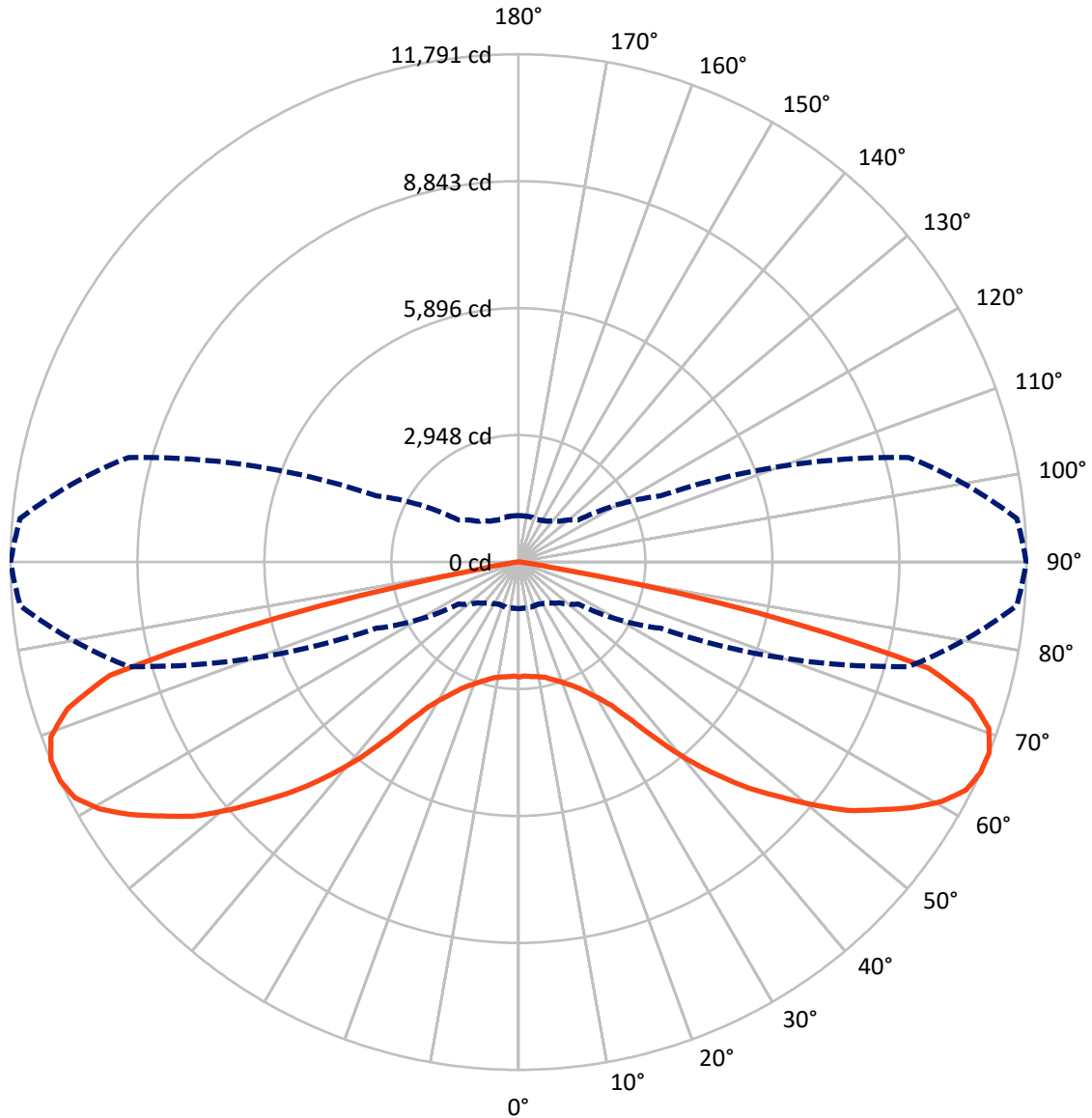
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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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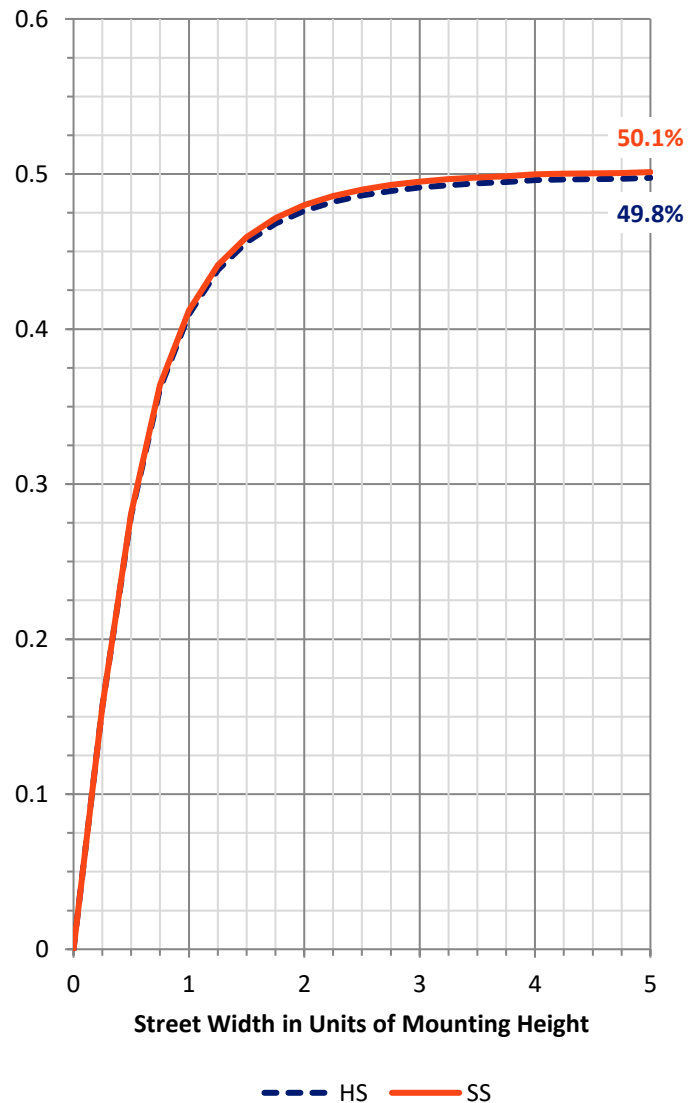
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8101.5	0.0	8101.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8101.5	0.0	8101.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16203.0	0.0	16203.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.0	1.6
10°-20°	759.4	4.7
20°-30°	1250.2	7.7
30°-40°	1826.1	11.3
40°-50°	2664.2	16.4
50°-60°	3440.7	21.2
60°-70°	3666.3	22.6
70°-80°	2237.3	13.8
80°-90°	103.8	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°	16203.0	100.0
0°-180°	16203.0	100.0



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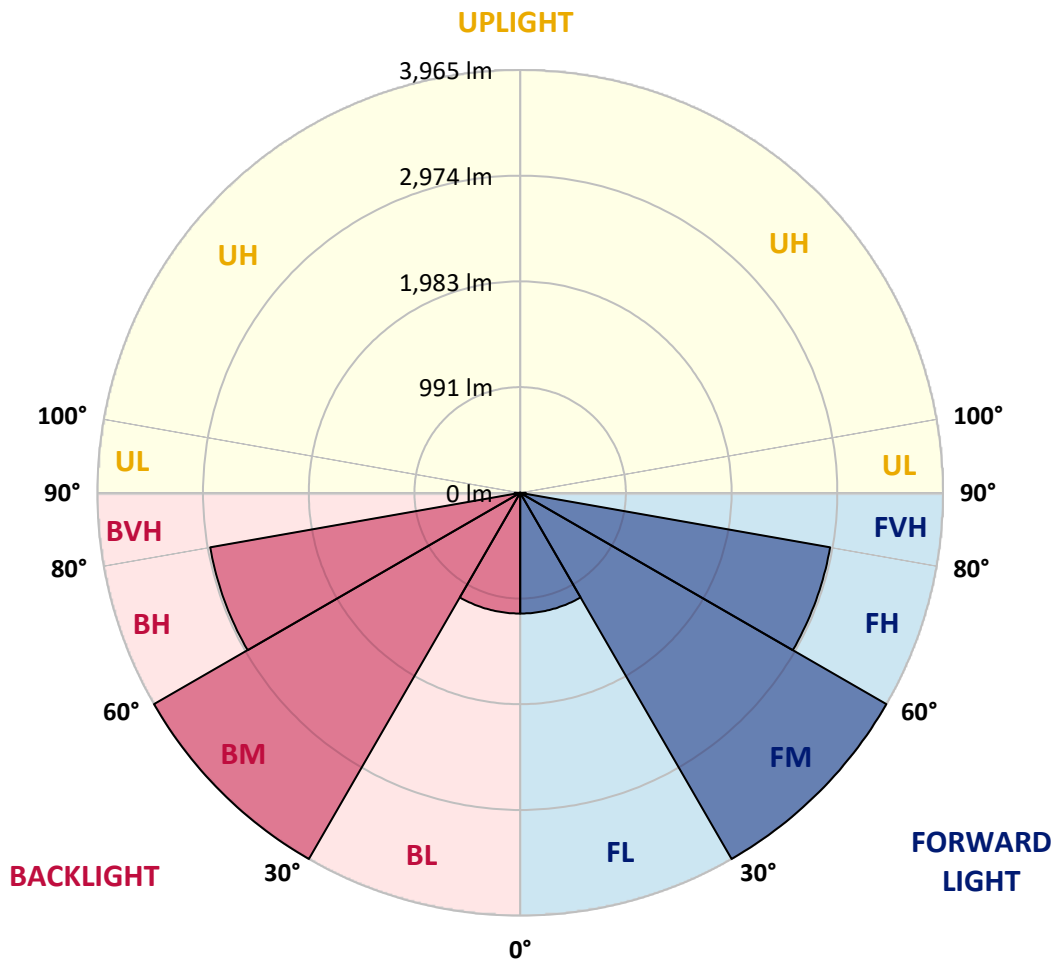
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1132.3	7.0			
FM (30°-60°)	3965.5	24.5			
FH (60°-80°)	2951.8	18.2			G2/5000
FVH (80°-90°)	51.9	0.3			G1/100
BL (0°-30°)	1132.3	7.0	B3/2500		
BM (30°-60°)	3965.5	24.5	B3/5000		
BH (60°-80°)	2951.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	51.9	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°	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1
2.5°	2690.1	2696.1	2687.1	2676.1	2687.1	2673.1	2654.1	2655.1	2652.1	2655.1	2648.1
5°	2686.1	2686.1	2675.1	2656.1	2680.1	2693.1	2675.1	2668.1	2670.1	2674.1	2668.1
7.5°	2672.1	2665.1	2650.1	2652.1	2669.1	2663.1	2682.1	2690.1	2704.1	2697.1	2685.1
10°	2625.1	2641.1	2625.1	2619.1	2660.1	2655.1	2667.1	2686.1	2710.1	2705.1	2709.1
12.5°	2598.1	2609.1	2601.1	2594.1	2630.1	2668.1	2685.1	2710.1	2739.1	2743.1	2746.1
15°	2565.0	2578.0	2563.0	2569.0	2629.1	2678.1	2719.1	2758.1	2807.1	2813.1	2817.1
17.5°	2509.0	2524.0	2501.0	2539.0	2614.1	2686.1	2759.1	2819.1	2871.1	2891.1	2891.1
20°	2425.0	2436.0	2438.0	2474.0	2573.0	2690.1	2791.1	2874.1	2943.1	2981.1	2992.1
22.5°	2302.0	2316.0	2341.0	2408.0	2538.0	2678.1	2818.1	2934.1	3047.1	3084.1	3099.1
25°	2187.0	2195.0	2240.0	2343.0	2499.0	2677.1	2855.1	3023.1	3158.1	3234.1	3240.1
27.5°	2076.0	2079.0	2147.0	2266.0	2454.0	2686.1	2901.1	3122.1	3326.1	3410.1	3438.1
30°	1966.0	1975.0	2036.0	2188.0	2416.0	2682.1	2941.1	3229.1	3493.1	3637.1	3665.1
32.5°	1869.0	1883.0	1952.0	2099.0	2369.0	2685.1	3002.1	3372.1	3715.1	3956.1	3970.1
35°	1786.0	1797.0	1866.0	2015.0	2321.0	2696.1	3082.1	3557.1	4066.1	4422.1	4491.1
37.5°	1716.0	1725.0	1798.0	1934.0	2265.0	2694.1	3179.1	3776.1	4503.1	5087.1	5218.1
40°	1671.0	1681.0	1730.0	1864.0	2196.0	2680.1	3276.1	4051.1	4989.1	5867.1	6014.1
42.5°	1627.0	1639.0	1674.0	1799.0	2115.0	2643.1	3373.1	4307.1	5506.1	6604.1	6749.1
45°	1585.0	1589.0	1634.0	1738.0	2025.0	2592.1	3468.1	4536.1	6026.1	7334.1	7474.1
47.5°	1549.0	1549.0	1583.0	1683.0	1944.0	2515.0	3505.1	4764.1	6514.1	8049.2	8135.2
50°	1527.0	1516.0	1537.0	1616.0	1854.0	2389.0	3483.1	4943.1	7085.1	8735.2	8863.2
52.5°	1473.0	1469.0	1485.0	1560.0	1780.0	2266.0	3383.1	5032.1	7699.1	9326.2	9585.2
55°	1417.0	1416.0	1431.0	1493.0	1695.0	2117.0	3150.1	5058.1	8277.2	9979.2	10156.2
57.5°	1361.0	1353.0	1370.0	1432.0	1604.0	1989.0	2895.1	4936.1	8841.2	10611.2	10758.2
60°	1314.0	1308.0	1318.0	1364.0	1511.0	1828.0	2591.1	4764.1	9342.2	11118.2	11288.2
62.5°	1247.0	1248.0	1254.0	1286.0	1411.0	1676.0	2289.0	4460.1	9650.2	11499.2	11661.2
65°	1167.0	1164.0	1177.0	1192.0	1285.0	1510.0	1983.0	4020.1	9720.2	11683.2	11788.2
67.5°	1081.0	1077.0	1084.0	1078.0	1156.0	1338.0	1699.0	3635.1	9377.2	11614.2	11791.2
70°	975.0	975.0	971.0	950.0	1006.0	1129.0	1445.0	3303.1	8444.2	11394.2	11586.2
72.5°	797.0	799.0	815.0	800.0	833.0	913.0	1215.0	2924.1	6934.1	10700.2	11000.2
75°	490.0	490.0	503.0	557.0	650.0	694.0	984.0	2453.0	5620.1	9151.2	9842.2
77.5°	252.0	254.0	261.0	279.0	296.0	341.0	553.0	1647.0	3565.1	5408.1	5718.1
80°	72.0	75.0	168.0	189.0	200.0	208.0	253.0	559.0	911.0	884.0	835.0
82.5°	48.0	50.0	98.0	115.0	105.0	86.0	105.0	164.0	137.0	172.0	187.0
85°	25.0	27.0	41.0	45.0	45.0	52.0	48.0	49.0	55.0	105.0	117.0
87.5°	12.0	13.0	17.0	21.0	22.0	25.0	24.0	25.0	28.0	43.0	47.0
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)