

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: P509467

Luminaire Tested: **VERD-G-CA2-100-750-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509467
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-CA2-100-750-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 930mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16500 lumens
Efficiency: N/A
Efficacy: 160.8 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

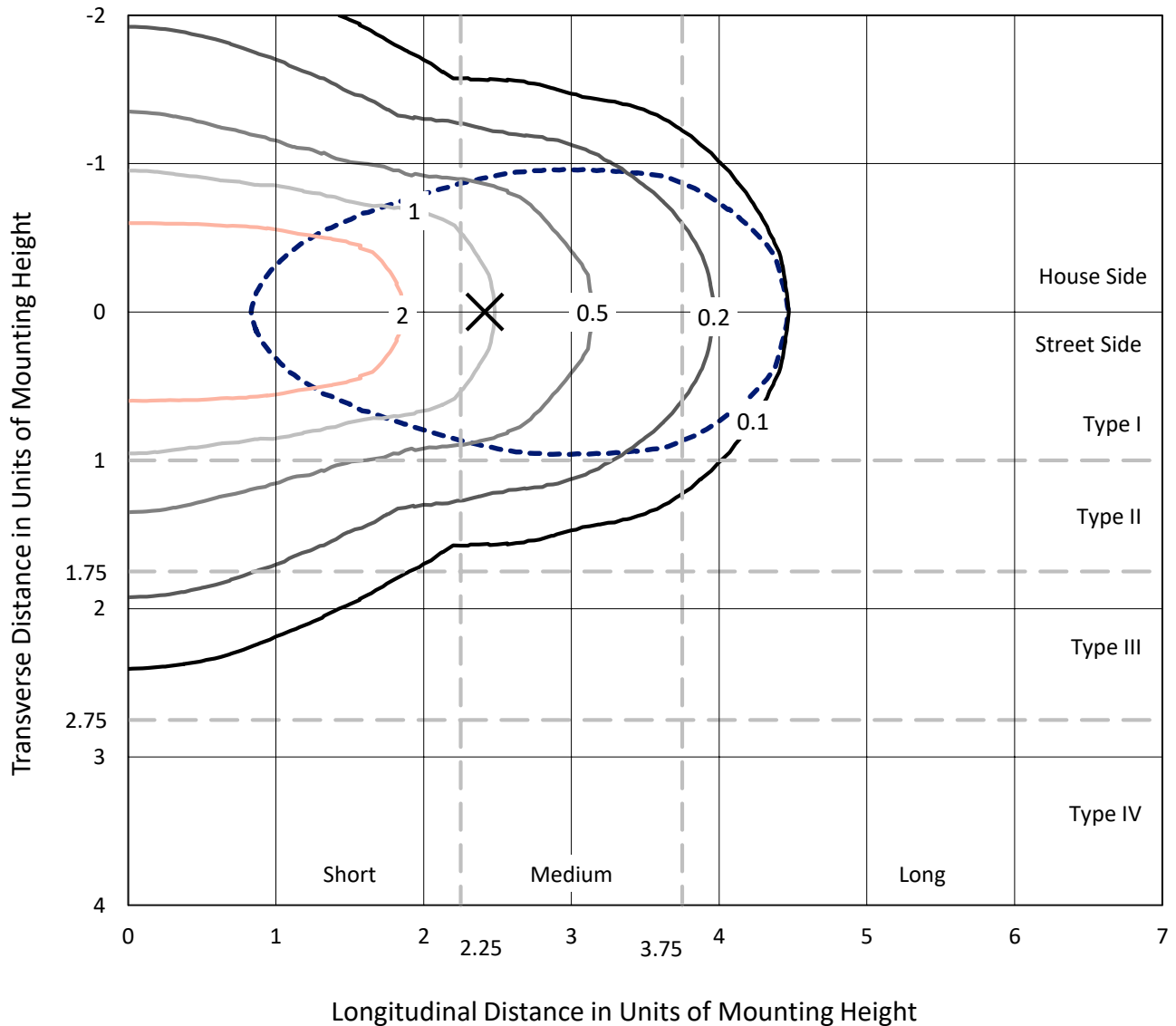
Input Watts (W): 102.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

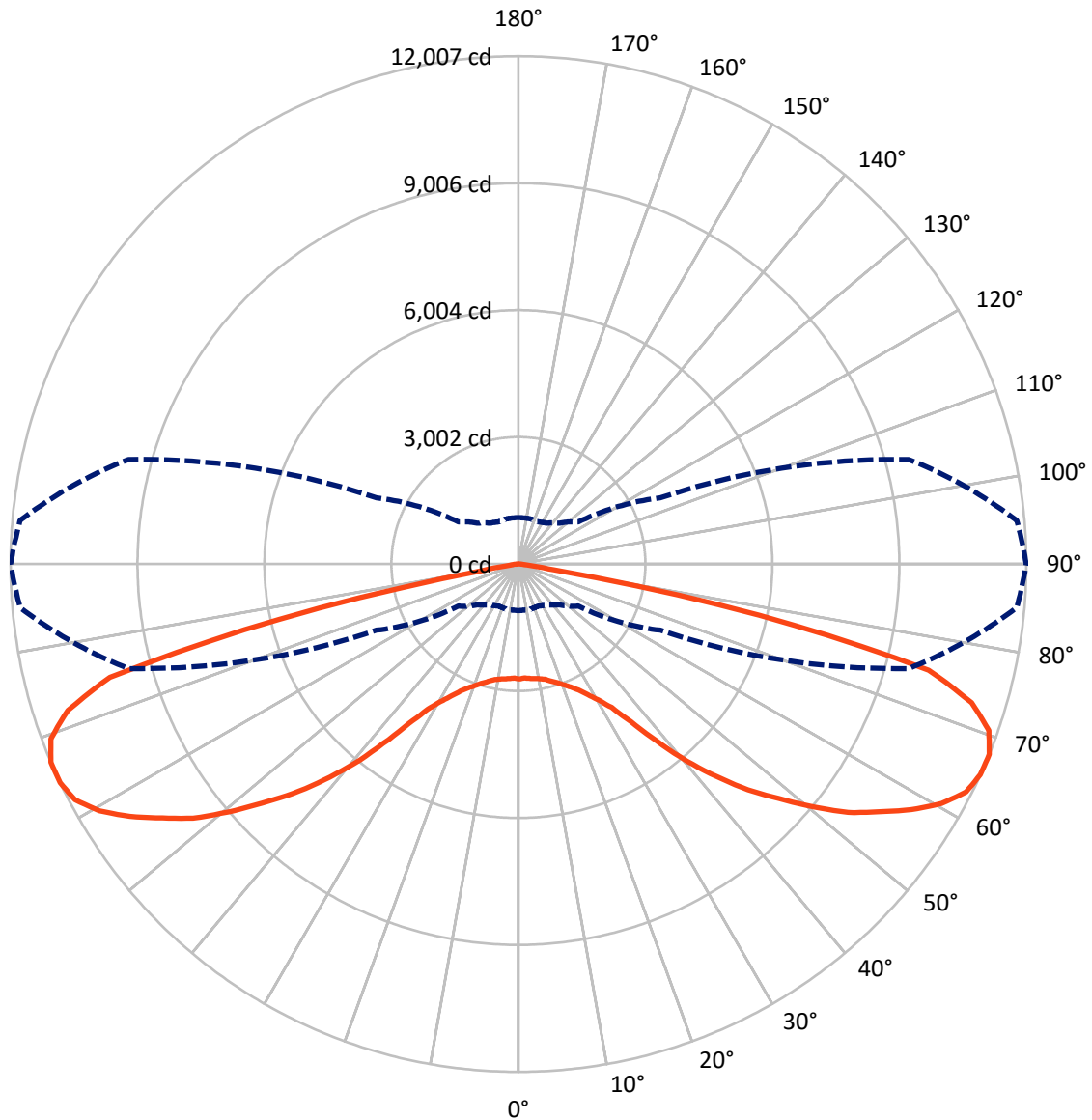
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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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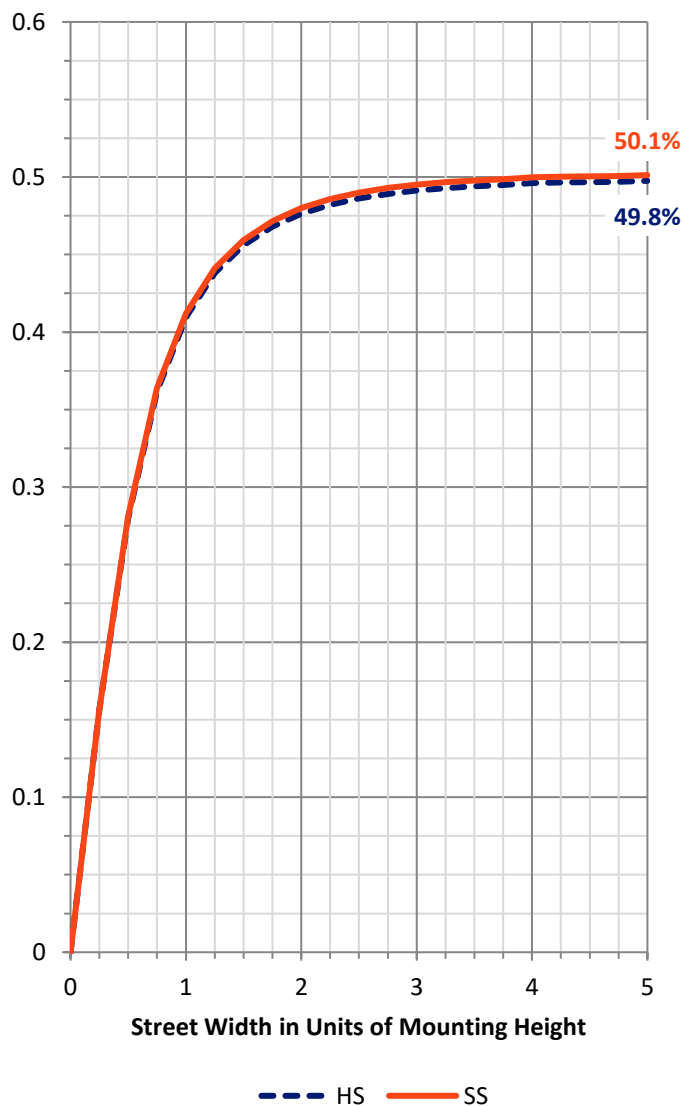
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8250.0	0.0	8250.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8250.0	0.0	8250.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16500.0	0.0	16500.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.7	1.6
10°-20°	773.3	4.7
20°-30°	1273.1	7.7
30°-40°	1859.5	11.3
40°-50°	2713.0	16.4
50°-60°	3503.8	21.2
60°-70°	3733.5	22.6
70°-80°	2278.3	13.8
80°-90°	105.7	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°	16500.0	100.0
0°-180°	16500.0	100.0

Coefficient of Utilization



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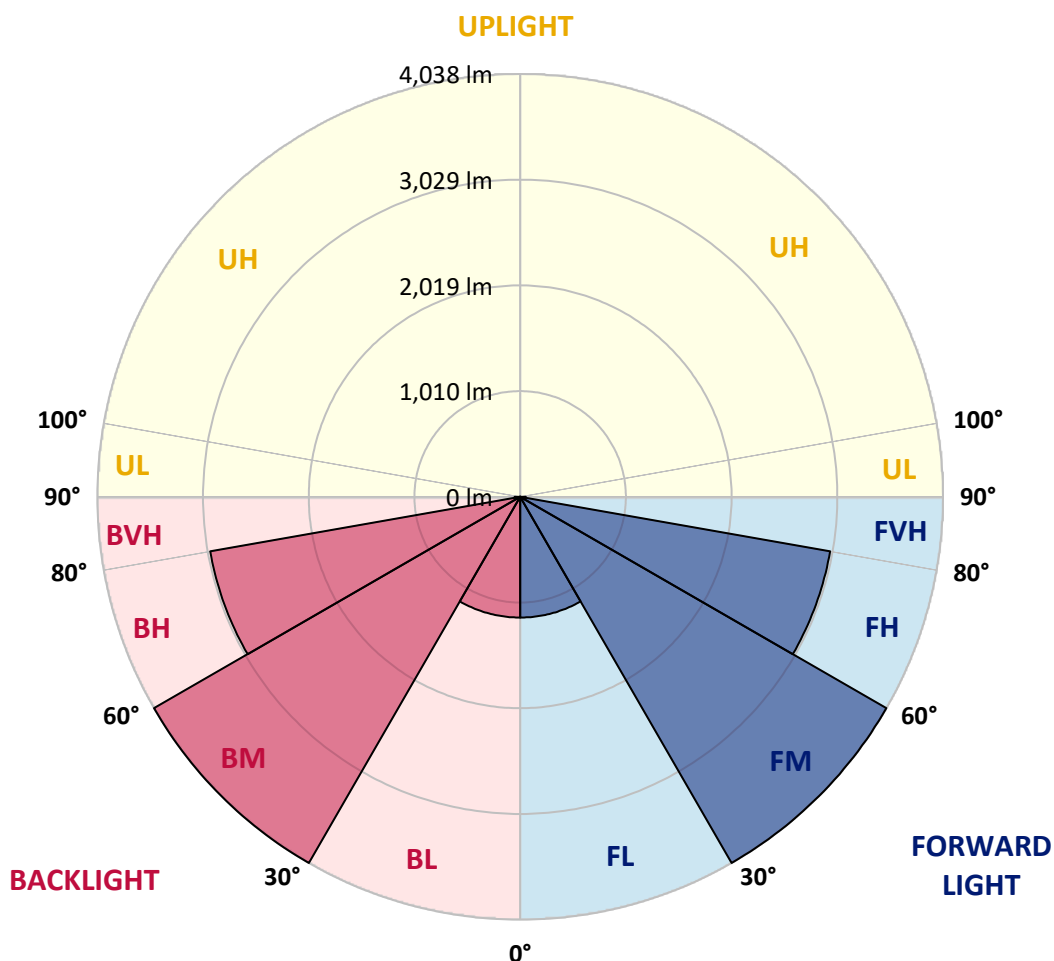
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1153.0	7.0			
FM (30°-60°)	4038.2	24.5			
FH (60°-80°)	3005.9	18.2			G2/5000
FVH (80°-90°)	52.9	0.3			G1/100
BL (0°-30°)	1153.0	7.0	B3/2500		
BM (30°-60°)	4038.2	24.5	B3/5000		
BH (60°-80°)	3005.9	18.2	B4/5000		G4/5000
BVH (80°-90°)	52.9	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°	2718.0	2718.0	2718.0	2718.0	2718.0	2718.0	2718.0	2718.0	2718.0	2718.0	2718.0
2.5°	2739.4	2745.5	2736.3	2725.1	2736.3	2722.0	2702.7	2703.7	2700.7	2703.7	2696.6
5°	2735.3	2735.3	2724.1	2704.7	2729.2	2742.4	2724.1	2717.0	2719.0	2723.1	2717.0
7.5°	2721.0	2713.9	2698.6	2700.7	2718.0	2711.9	2731.2	2739.4	2753.6	2746.5	2734.3
10°	2673.2	2689.5	2673.2	2667.1	2708.8	2703.7	2715.9	2735.3	2759.7	2754.6	2758.7
12.5°	2645.7	2656.9	2648.7	2641.6	2678.3	2717.0	2734.3	2759.7	2789.3	2793.3	2796.4
15°	2612.1	2625.3	2610.0	2616.1	2677.2	2727.1	2768.9	2808.6	2858.5	2864.6	2868.7
17.5°	2555.0	2570.3	2546.9	2585.6	2662.0	2735.3	2809.6	2870.7	2923.7	2944.0	2944.0
20°	2469.5	2480.7	2482.7	2519.4	2620.2	2739.4	2842.2	2926.7	2997.0	3035.7	3046.9
22.5°	2344.2	2358.5	2384.0	2452.2	2584.6	2727.1	2869.7	2987.8	3102.9	3140.6	3155.9
25°	2227.1	2235.3	2281.1	2386.0	2544.9	2726.1	2907.4	3078.5	3215.9	3293.3	3299.5
27.5°	2114.1	2117.1	2186.4	2307.6	2499.0	2735.3	2954.2	3179.3	3387.0	3472.6	3501.1
30°	2002.1	2011.2	2073.4	2228.1	2460.3	2731.2	2995.0	3288.3	3557.1	3703.7	3732.3
32.5°	1903.3	1917.6	1987.8	2137.5	2412.5	2734.3	3057.1	3433.9	3783.2	4028.6	4042.8
35°	1818.8	1830.0	1900.2	2052.0	2363.6	2745.5	3138.6	3622.3	4140.6	4503.1	4573.4
37.5°	1747.5	1756.7	1831.0	1969.5	2306.6	2743.4	3237.3	3845.3	4585.6	5180.3	5313.7
40°	1701.7	1711.8	1761.7	1898.2	2236.3	2729.2	3336.1	4125.3	5080.5	5974.7	6124.4
42.5°	1656.9	1669.1	1704.7	1832.0	2153.8	2691.5	3434.9	4386.0	5607.0	6725.2	6872.8
45°	1614.1	1618.2	1664.0	1769.9	2062.2	2639.6	3531.6	4619.2	6136.6	7468.6	7611.1
47.5°	1577.4	1577.4	1612.0	1713.9	1979.7	2561.1	3569.3	4851.4	6633.5	8196.7	8284.3
50°	1555.0	1543.8	1565.2	1645.7	1888.0	2432.8	3546.9	5033.7	7215.0	8895.3	9025.6
52.5°	1500.0	1496.0	1512.2	1588.6	1812.7	2307.6	3445.1	5124.3	7840.3	9497.1	9760.9
55°	1443.0	1442.0	1457.3	1520.4	1726.1	2155.8	3207.8	5150.8	8428.9	10162.1	10342.4
57.5°	1386.0	1377.8	1395.1	1458.3	1633.4	2025.5	2948.1	5026.6	9003.2	10805.7	10955.4
60°	1338.1	1332.0	1342.2	1389.0	1538.7	1861.5	2638.5	4851.4	9513.4	11322.0	11495.1
62.5°	1269.9	1270.9	1277.0	1309.6	1436.9	1706.8	2331.0	4541.8	9827.1	11710.0	11875.0
65°	1188.4	1185.4	1198.6	1213.9	1308.6	1537.7	2019.4	4093.8	9898.4	11897.4	12004.3
67.5°	1100.8	1096.8	1103.9	1097.8	1177.2	1362.6	1730.2	3701.7	9549.1	11827.1	12007.4
70°	992.9	992.9	988.8	967.4	1024.5	1149.7	1471.5	3363.6	8598.9	11603.1	11798.6
72.5°	811.6	813.7	830.0	814.7	848.3	929.8	1237.3	2977.7	7061.2	10896.3	11201.8
75°	499.0	499.0	512.2	567.2	661.9	706.7	1002.1	2498.0	5723.1	9318.9	10022.6
77.5°	256.6	258.7	265.8	284.1	301.4	347.3	563.1	1677.2	3630.4	5507.2	5822.9
80°	73.3	76.4	171.1	192.5	203.7	211.8	257.6	569.3	927.7	900.2	850.3
82.5°	48.9	50.9	99.8	117.1	106.9	87.6	106.9	167.0	139.5	175.2	190.4
85°	25.5	27.5	41.8	45.8	45.8	53.0	48.9	49.9	56.0	106.9	119.1
87.5°	12.2	13.2	17.3	21.4	22.4	25.5	24.4	25.5	28.5	43.8	47.9
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)