

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: P509539

Luminaire Tested: **VERD-G-CA2-120-727-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509539
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-CA2-120-727-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16085 lumens
Efficiency: N/A
Efficacy: 129.0 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

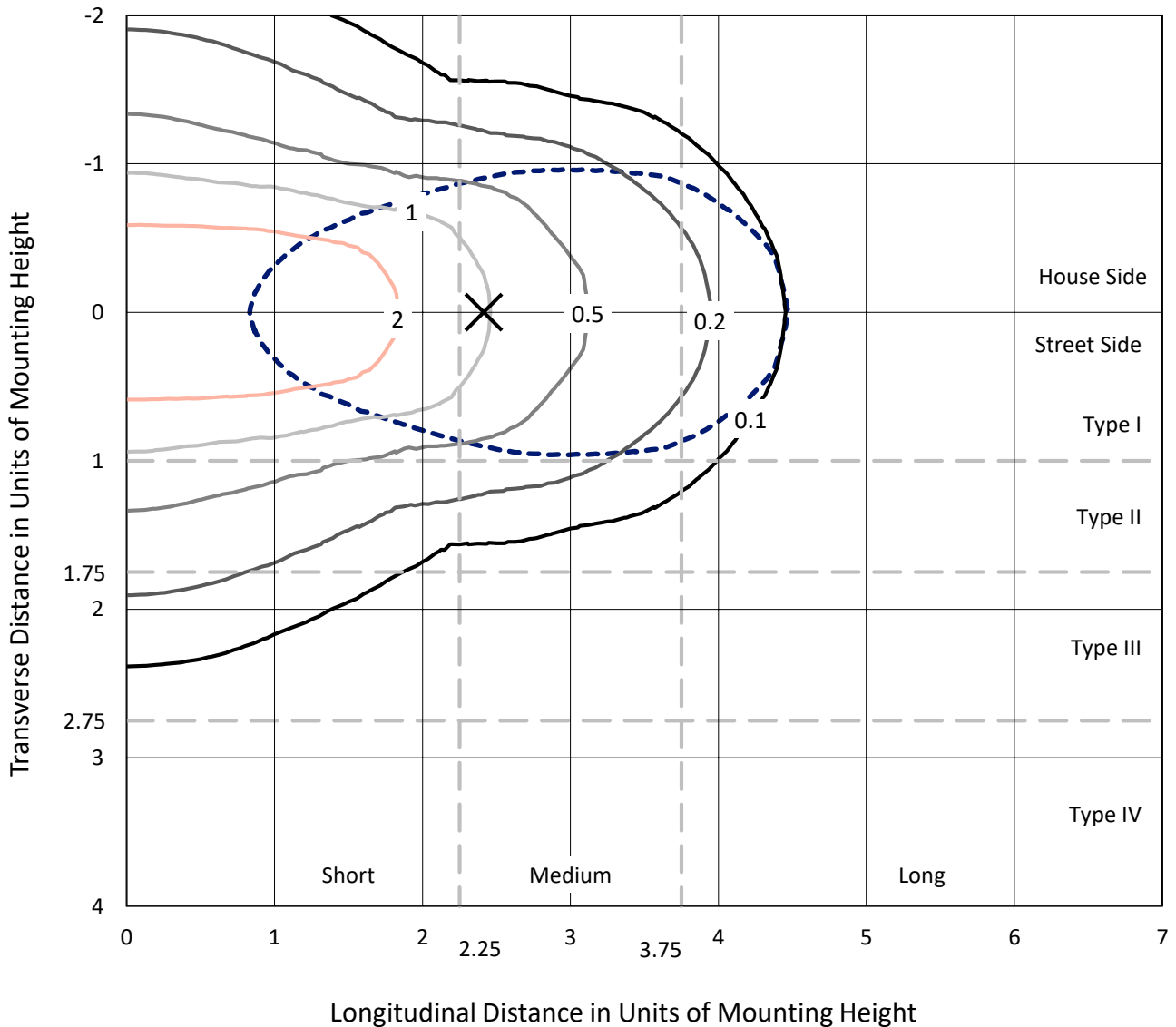
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

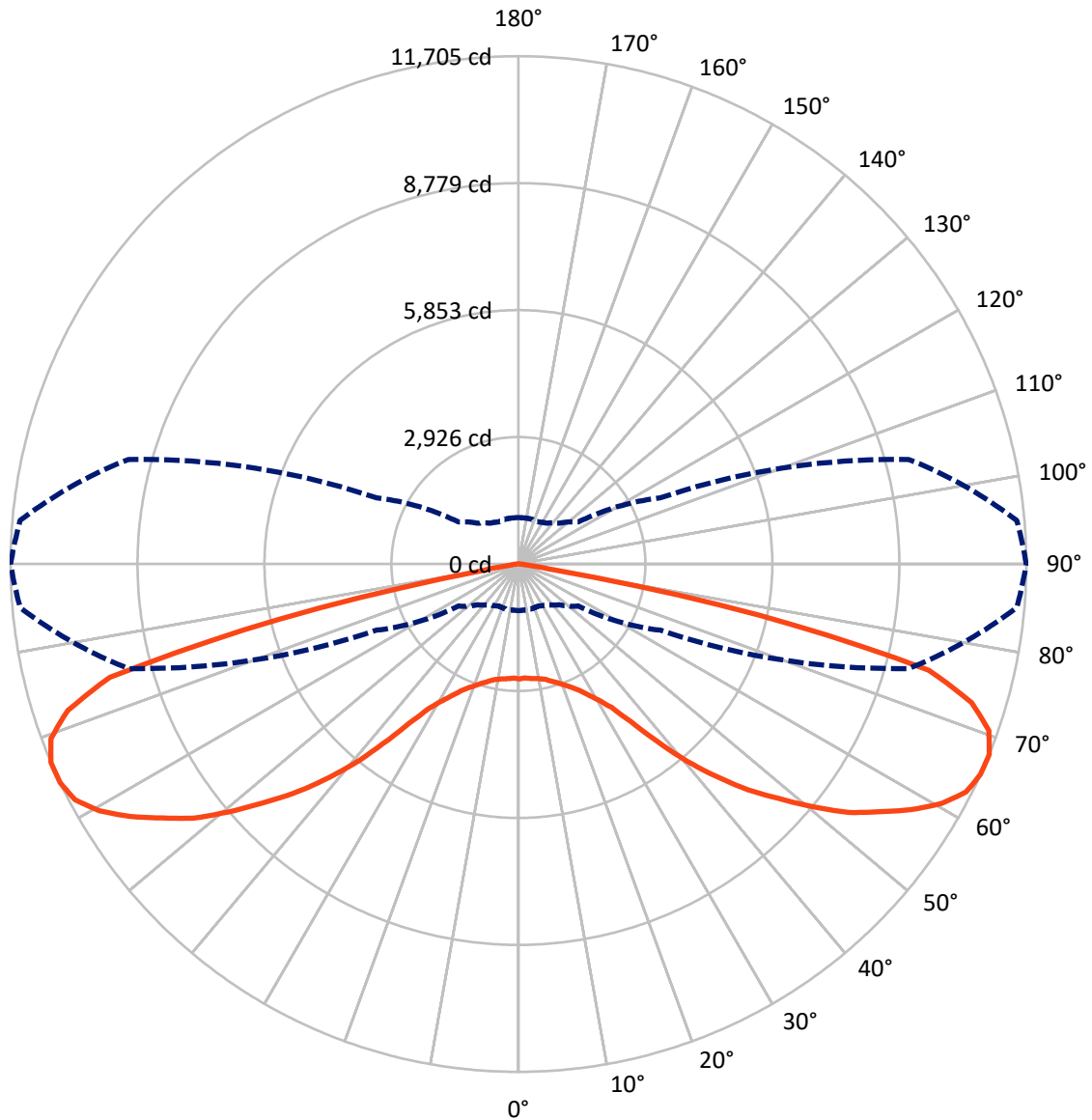
× Max cd
 - - - 1/2 Max cd



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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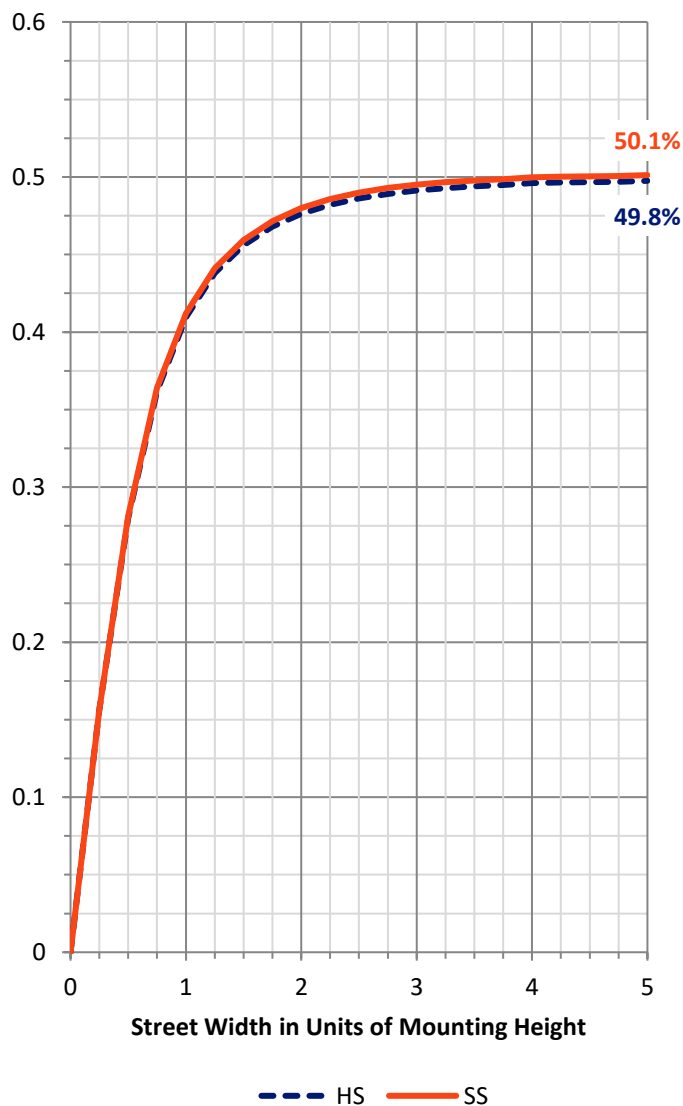
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8042.5	0.0	8042.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8042.5	0.0	8042.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16085.0	0.0	16085.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.1	1.6
10°-20°	753.8	4.7
20°-30°	1241.1	7.7
30°-40°	1812.8	11.3
40°-50°	2644.8	16.4
50°-60°	3415.7	21.2
60°-70°	3639.6	22.6
70°-80°	2221.0	13.8
80°-90°	103.1	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°	16085.0	100.0
0°-180°	16085.0	100.0

Coefficient of Utilization



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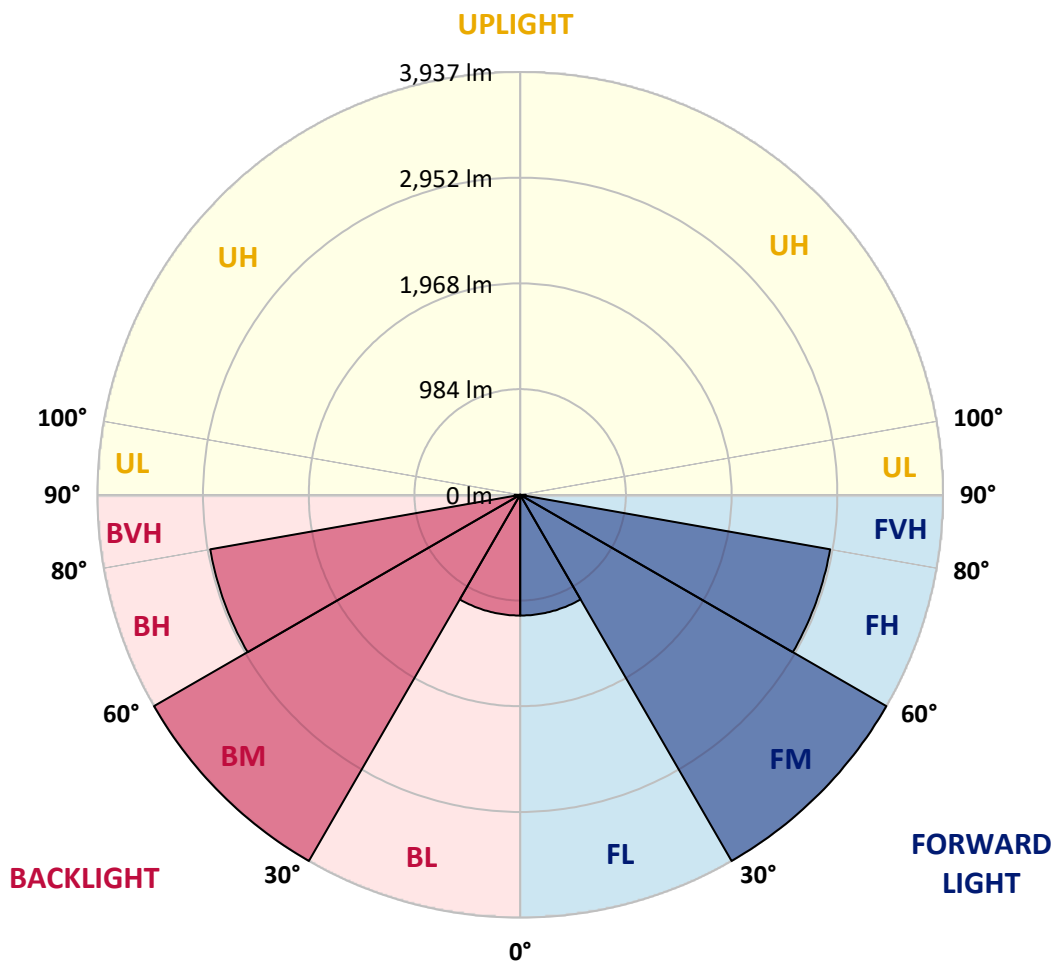
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1124.0	7.0			
FM (30°-60°)	3936.6	24.5			
FH (60°-80°)	2930.3	18.2			G2/5000
FVH (80°-90°)	51.5	0.3			G1/100
BL (0°-30°)	1124.0	7.0	B3/2500		
BM (30°-60°)	3936.6	24.5	B3/5000		
BH (60°-80°)	2930.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	51.5	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°	2649.6	2649.6	2649.6	2649.6	2649.6	2649.6	2649.6	2649.6	2649.6	2649.6	2649.6
2.5°	2670.5	2676.4	2667.5	2656.6	2667.5	2653.6	2634.7	2635.7	2632.7	2635.7	2628.8
5°	2666.5	2666.5	2655.6	2636.7	2660.5	2673.4	2655.6	2648.6	2650.6	2654.6	2648.6
7.5°	2652.6	2645.6	2630.8	2632.7	2649.6	2643.7	2662.5	2670.5	2684.4	2677.4	2665.5
10°	2605.9	2621.8	2605.9	2600.0	2640.7	2635.7	2647.6	2666.5	2690.3	2685.4	2689.3
12.5°	2579.1	2590.0	2582.1	2575.2	2610.9	2648.6	2665.5	2690.3	2719.1	2723.1	2726.1
15°	2546.4	2559.3	2544.4	2550.3	2609.9	2658.5	2699.3	2738.0	2786.6	2792.6	2796.5
17.5°	2490.8	2505.7	2482.8	2520.6	2595.0	2666.5	2739.0	2798.5	2850.1	2870.0	2870.0
20°	2407.4	2418.3	2420.3	2456.0	2554.3	2670.5	2770.7	2853.1	2921.6	2959.3	2970.3
22.5°	2285.3	2299.2	2324.0	2390.5	2519.6	2658.5	2797.5	2912.7	3024.9	3061.6	3076.5
25°	2171.1	2179.1	2223.7	2326.0	2480.8	2657.6	2834.3	3001.0	3135.1	3210.5	3216.5
27.5°	2060.9	2063.9	2131.4	2249.5	2436.2	2666.5	2879.9	3099.3	3301.8	3385.2	3413.0
30°	1951.7	1960.7	2021.2	2172.1	2398.5	2662.5	2919.6	3205.5	3467.6	3610.6	3638.4
32.5°	1855.4	1869.3	1937.8	2083.8	2351.8	2665.5	2980.2	3347.5	3688.0	3927.3	3941.2
35°	1773.0	1783.9	1852.4	2000.4	2304.1	2676.4	3059.6	3531.2	4036.5	4389.9	4458.4
37.5°	1703.5	1712.5	1784.9	1920.0	2248.5	2674.4	3155.9	3748.6	4470.3	5050.1	5180.1
40°	1658.9	1668.8	1717.4	1850.5	2180.0	2660.5	3252.2	4021.6	4952.8	5824.4	5970.3
42.5°	1615.2	1627.1	1661.8	1785.9	2099.6	2623.8	3348.5	4275.7	5466.0	6556.0	6700.0
45°	1573.5	1577.5	1622.1	1725.4	2010.3	2573.2	3442.8	4503.1	5982.2	7280.7	7419.7
47.5°	1537.7	1537.7	1571.5	1670.8	1929.9	2496.7	3479.5	4729.4	6466.7	7990.5	8075.9
50°	1515.9	1505.0	1525.8	1604.3	1840.5	2371.6	3457.7	4907.1	7033.5	8671.6	8798.6
52.5°	1462.3	1458.3	1474.2	1548.7	1767.1	2249.5	3358.4	4995.5	7643.1	9258.3	9515.4
55°	1406.7	1405.7	1420.6	1482.2	1682.7	2101.6	3127.1	5021.3	8216.9	9906.5	10082.2
57.5°	1351.1	1343.2	1360.0	1421.6	1592.3	1974.6	2874.0	4900.1	8776.8	10533.9	10679.9
60°	1304.5	1298.5	1308.4	1354.1	1500.0	1814.7	2572.2	4729.4	9274.1	11037.2	11206.0
62.5°	1237.9	1238.9	1244.9	1276.7	1400.8	1663.8	2272.4	4427.6	9579.9	11415.5	11576.3
65°	1158.5	1155.5	1168.5	1183.3	1275.7	1499.0	1968.6	3990.8	9649.4	11598.1	11702.4
67.5°	1073.1	1069.2	1076.1	1070.2	1147.6	1328.3	1686.7	3608.6	9308.9	11529.6	11705.4
70°	967.9	967.9	963.9	943.1	998.7	1120.8	1434.5	3279.0	8382.7	11311.2	11501.8
72.5°	791.2	793.2	809.1	794.2	826.9	906.4	1206.2	2902.8	6883.6	10622.3	10920.1
75°	486.4	486.4	499.3	553.0	645.3	689.0	976.9	2435.2	5579.2	9084.5	9770.5
77.5°	250.2	252.2	259.1	277.0	293.9	338.5	549.0	1635.0	3539.1	5368.7	5676.5
80°	71.5	74.5	166.8	187.6	198.5	206.5	251.2	554.9	904.4	877.6	828.9
82.5°	47.7	49.6	97.3	114.2	104.2	85.4	104.2	162.8	136.0	170.8	185.6
85°	24.8	26.8	40.7	44.7	44.7	51.6	47.7	48.6	54.6	104.2	116.2
87.5°	11.9	12.9	16.9	20.8	21.8	24.8	23.8	24.8	27.8	42.7	46.7
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)