

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: P509507

Luminaire Tested: **VERD-G-CA2-110-740-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509507
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-CA2-110-740-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1020mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17614 lumens
Efficiency: N/A
Efficacy: 155.6 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

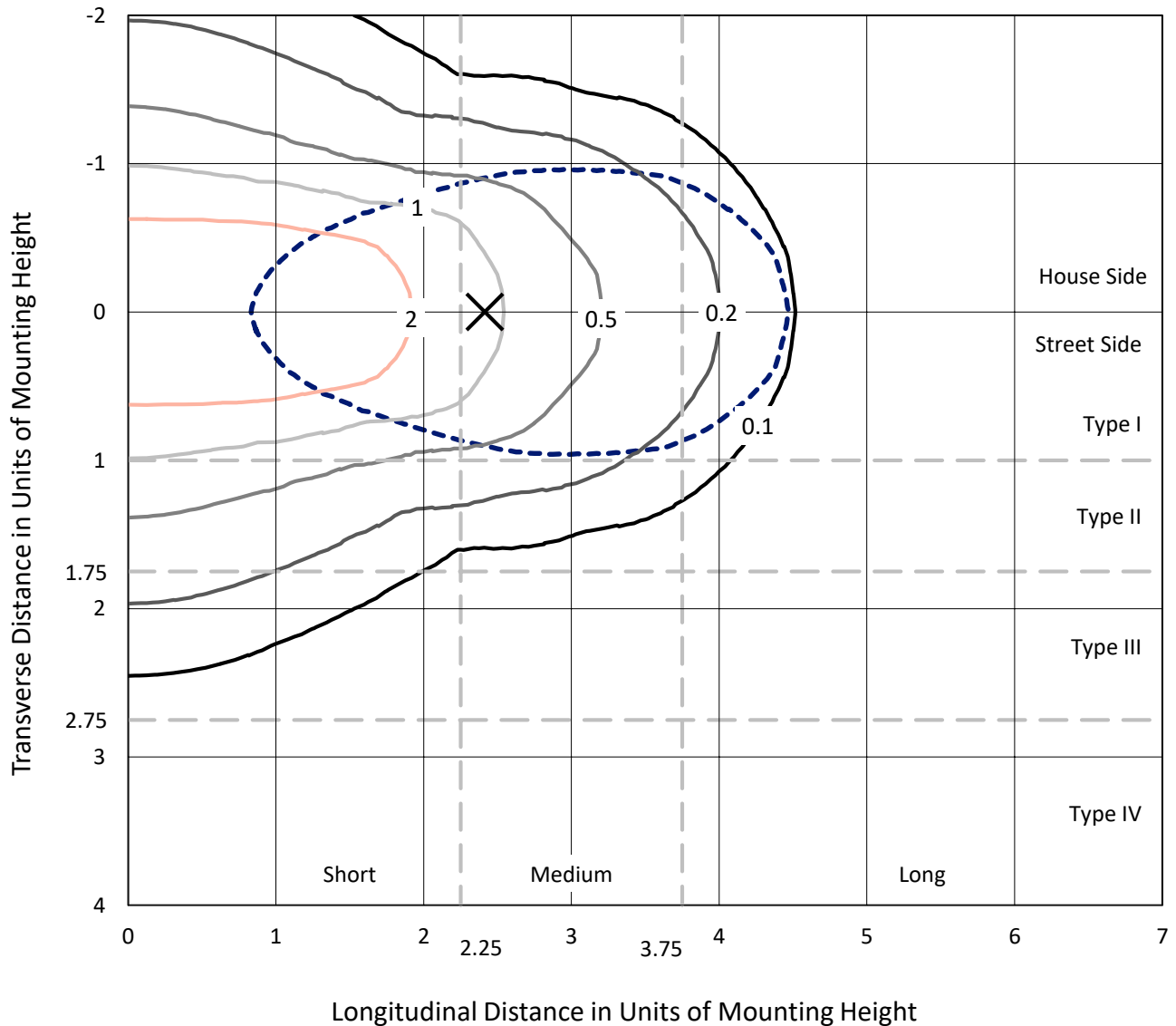
Input Watts (W): 113.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

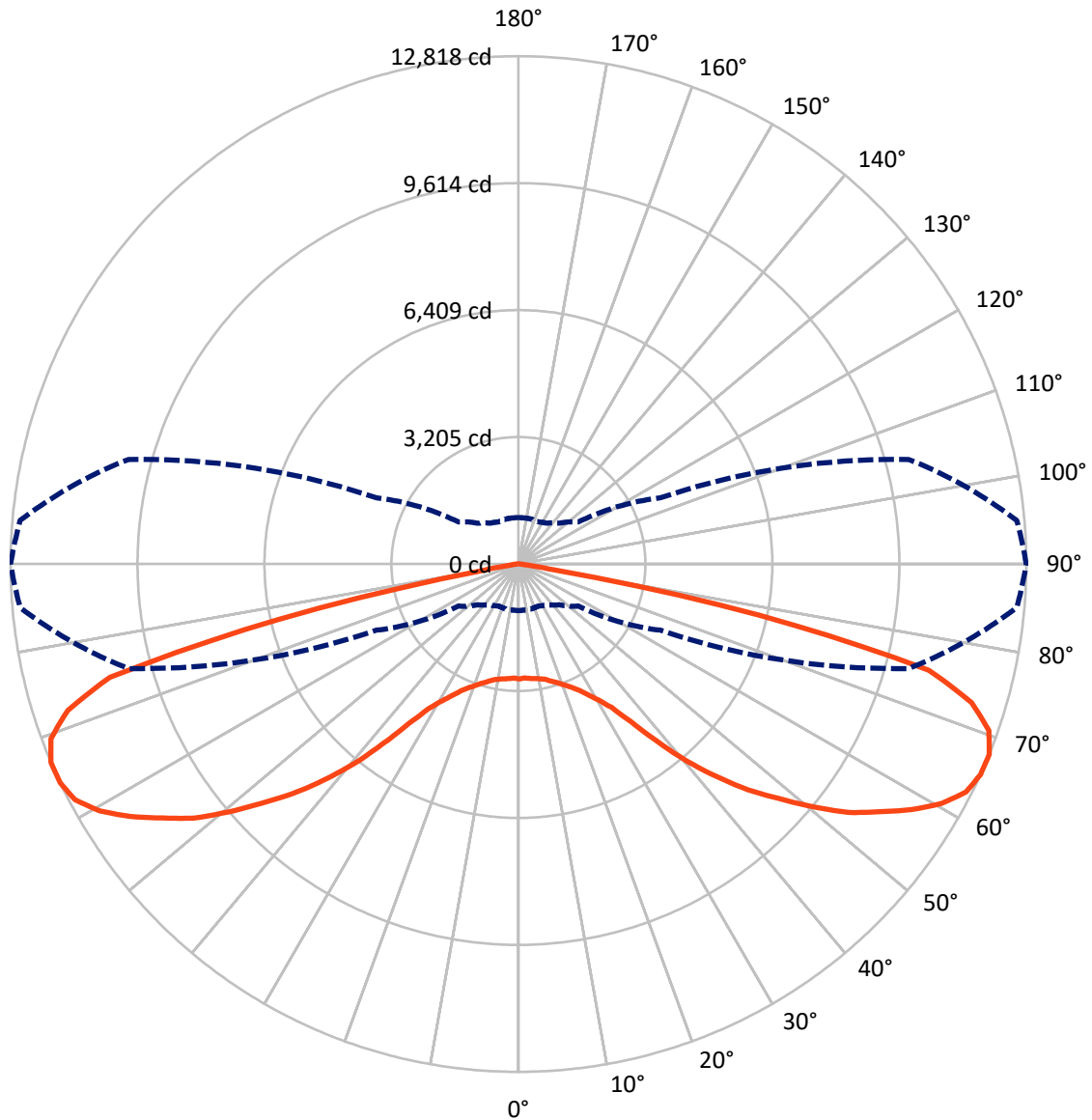
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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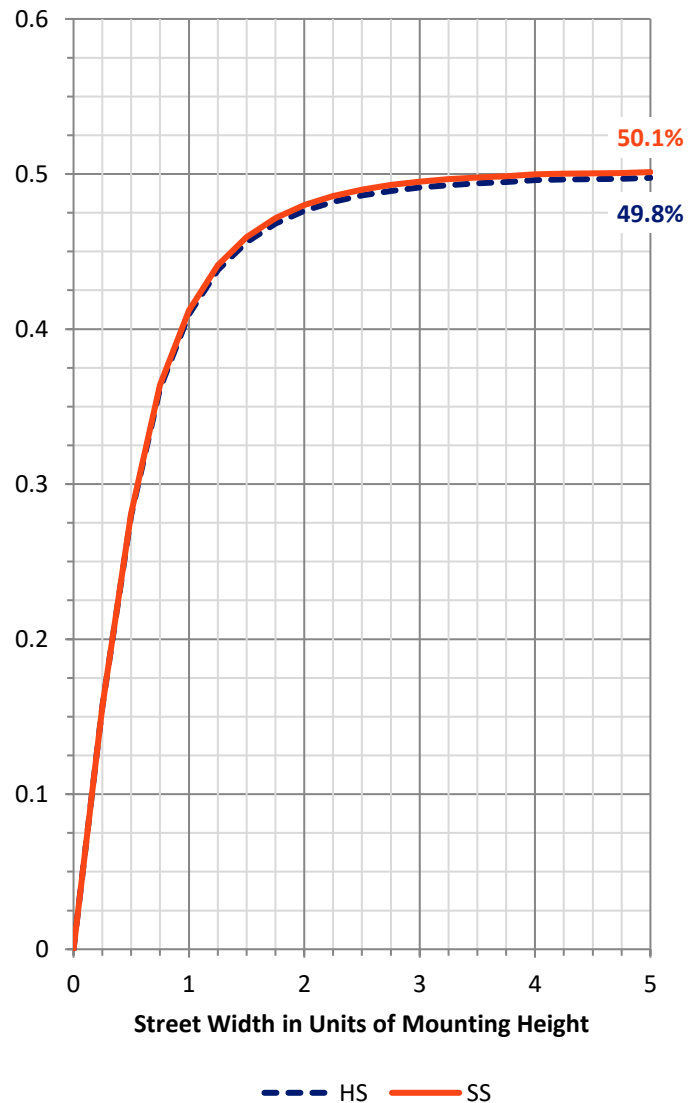
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8807.0	0.0	8807.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8807.0	0.0	8807.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17614.0	0.0	17614.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.2	1.6
10°-20°	825.5	4.7
20°-30°	1359.1	7.7
30°-40°	1985.1	11.3
40°-50°	2896.2	16.4
50°-60°	3740.4	21.2
60°-70°	3985.6	22.6
70°-80°	2432.1	13.8
80°-90°	112.9	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°	17614.0	100.0
0°-180°	17614.0	100.0



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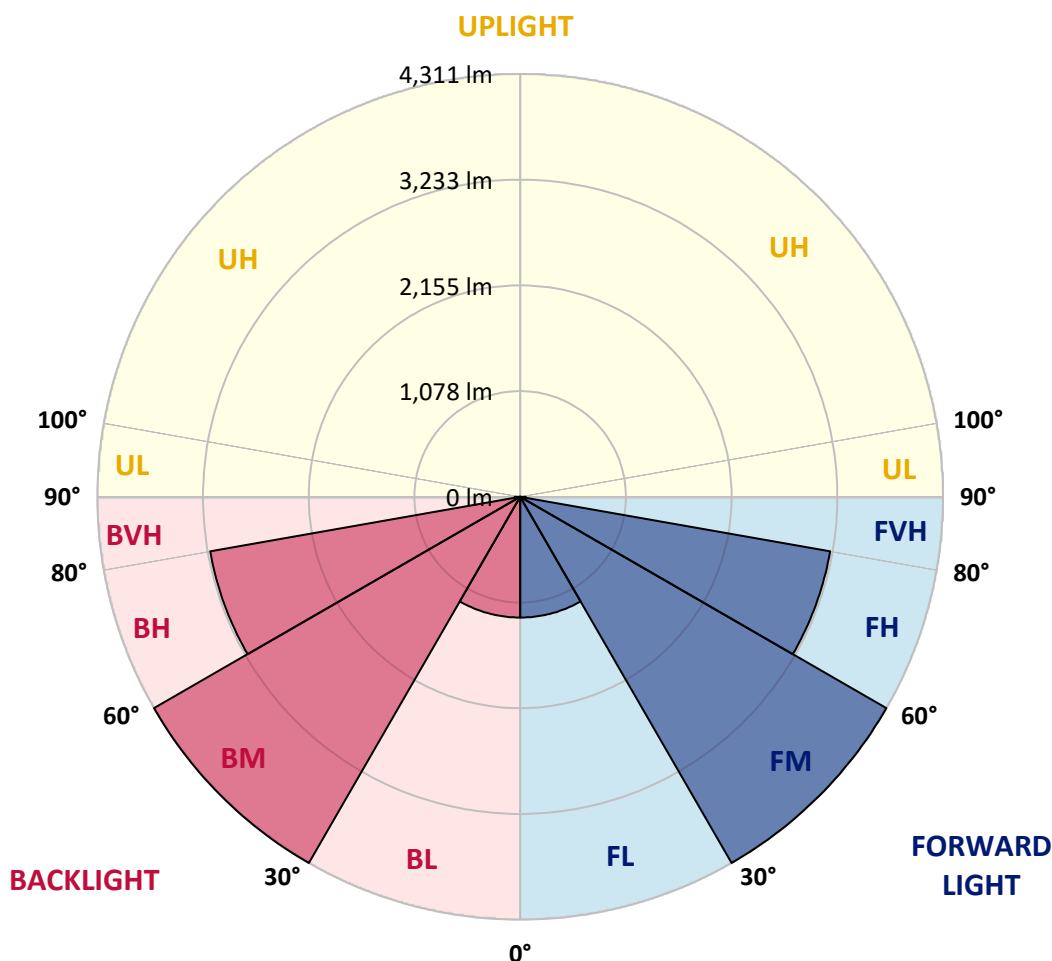
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1230.9	7.0			
FM (30°-60°)	4310.8	24.5			
FH (60°-80°)	3208.8	18.2			G2/5000
FVH (80°-90°)	56.4	0.3			G1/100
BL (0°-30°)	1230.9	7.0	B3/2500		
BM (30°-60°)	4310.8	24.5	B3/5000		
BH (60°-80°)	3208.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	56.4	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°	2901.5	2901.5	2901.5	2901.5	2901.5	2901.5	2901.5	2901.5	2901.5	2901.5	2901.5
2.5°	2924.3	2930.8	2921.0	2909.1	2921.0	2905.8	2885.2	2886.3	2883.0	2886.3	2878.7
5°	2920.0	2920.0	2908.0	2887.3	2913.4	2927.6	2908.0	2900.4	2902.6	2906.9	2900.4
7.5°	2904.7	2897.1	2880.8	2883.0	2901.5	2895.0	2915.6	2924.3	2939.5	2931.9	2918.9
10°	2853.6	2871.0	2853.6	2847.1	2891.7	2886.3	2899.3	2920.0	2946.1	2940.6	2945.0
12.5°	2824.3	2836.3	2827.6	2819.9	2859.1	2900.4	2918.9	2946.1	2977.6	2981.9	2985.2
15°	2788.4	2802.6	2786.2	2792.8	2858.0	2911.3	2955.8	2998.2	3051.5	3058.0	3062.4
17.5°	2727.5	2743.8	2718.8	2760.2	2841.7	2920.0	2999.3	3064.5	3121.1	3142.8	3142.8
20°	2636.2	2648.2	2650.4	2689.5	2797.1	2924.3	3034.1	3124.3	3199.3	3240.7	3252.6
22.5°	2502.5	2517.7	2544.9	2617.7	2759.1	2911.3	3063.5	3189.6	3312.4	3352.6	3368.9
25°	2377.5	2386.2	2435.1	2547.1	2716.7	2910.2	3103.7	3286.3	3433.1	3515.7	3522.2
27.5°	2256.8	2260.1	2334.0	2463.4	2667.8	2920.0	3153.7	3393.9	3615.7	3707.0	3737.5
30°	2137.2	2147.0	2213.3	2378.6	2626.4	2915.6	3197.2	3510.3	3797.3	3953.8	3984.2
32.5°	2031.8	2047.0	2122.0	2281.8	2575.3	2918.9	3263.5	3665.7	4038.6	4300.6	4315.8
35°	1941.6	1953.5	2028.5	2190.5	2523.2	2930.8	3350.5	3866.8	4420.2	4807.2	4882.2
37.5°	1865.5	1875.3	1954.6	2102.5	2462.3	2928.7	3455.9	4104.9	4895.2	5530.1	5672.5
40°	1816.6	1827.4	1880.7	2026.4	2387.3	2913.4	3561.4	4403.9	5423.6	6378.0	6537.8
42.5°	1768.7	1781.8	1819.8	1955.7	2299.2	2873.2	3666.8	4682.2	5985.6	7179.2	7336.9
45°	1723.1	1727.4	1776.3	1889.4	2201.4	2817.8	3770.1	4931.1	6550.9	7972.8	8125.0
47.5°	1683.9	1683.9	1720.9	1829.6	2113.3	2734.1	3810.3	5179.0	7081.4	8750.1	8843.6
50°	1660.0	1648.0	1670.9	1756.8	2015.5	2597.1	3786.4	5373.6	7702.1	9495.9	9635.0
52.5°	1601.3	1597.0	1614.3	1695.9	1935.0	2463.4	3677.7	5470.3	8369.6	10138.3	10419.9
55°	1540.4	1539.3	1555.6	1623.0	1842.6	2301.4	3424.4	5498.6	8998.0	10848.2	11040.6
57.5°	1479.5	1470.9	1489.3	1556.7	1743.7	2162.2	3147.2	5365.9	9611.1	11535.3	11695.1
60°	1428.5	1421.9	1432.8	1482.8	1642.6	1987.2	2816.7	5179.0	10155.7	12086.4	12271.2
62.5°	1355.6	1356.7	1363.2	1398.0	1533.9	1822.0	2488.4	4848.5	10490.6	12500.6	12676.7
65°	1268.7	1265.4	1279.5	1295.8	1396.9	1641.5	2155.7	4370.2	10566.6	12700.6	12814.8
67.5°	1175.2	1170.8	1178.4	1171.9	1256.7	1454.5	1847.0	3951.6	10193.8	12625.6	12818.0
70°	1059.9	1059.9	1055.6	1032.7	1093.6	1227.3	1570.9	3590.7	9179.5	12386.5	12595.2
72.5°	866.4	868.6	886.0	869.7	905.6	992.5	1320.8	3178.7	7538.0	11632.0	11958.1
75°	532.7	532.7	546.8	605.5	706.6	754.4	1069.7	2666.7	6109.5	9948.1	10699.3
77.5°	274.0	276.1	283.7	303.3	321.8	370.7	601.2	1790.5	3875.5	5879.1	6216.1
80°	78.3	81.5	182.6	205.5	217.4	226.1	275.0	607.7	990.4	961.0	907.7
82.5°	52.2	54.4	106.5	125.0	114.1	93.5	114.1	178.3	148.9	187.0	203.3
85°	27.2	29.4	44.6	48.9	48.9	56.5	52.2	53.3	59.8	114.1	127.2
87.5°	13.0	14.1	18.5	22.8	23.9	27.2	26.1	27.2	30.4	46.7	51.1
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)