

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: P509555

Luminaire Tested: **VERD-G-CA2-120-740-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509555
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-CA2-120-740-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18995 lumens
Efficiency: N/A
Efficacy: 152.3 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

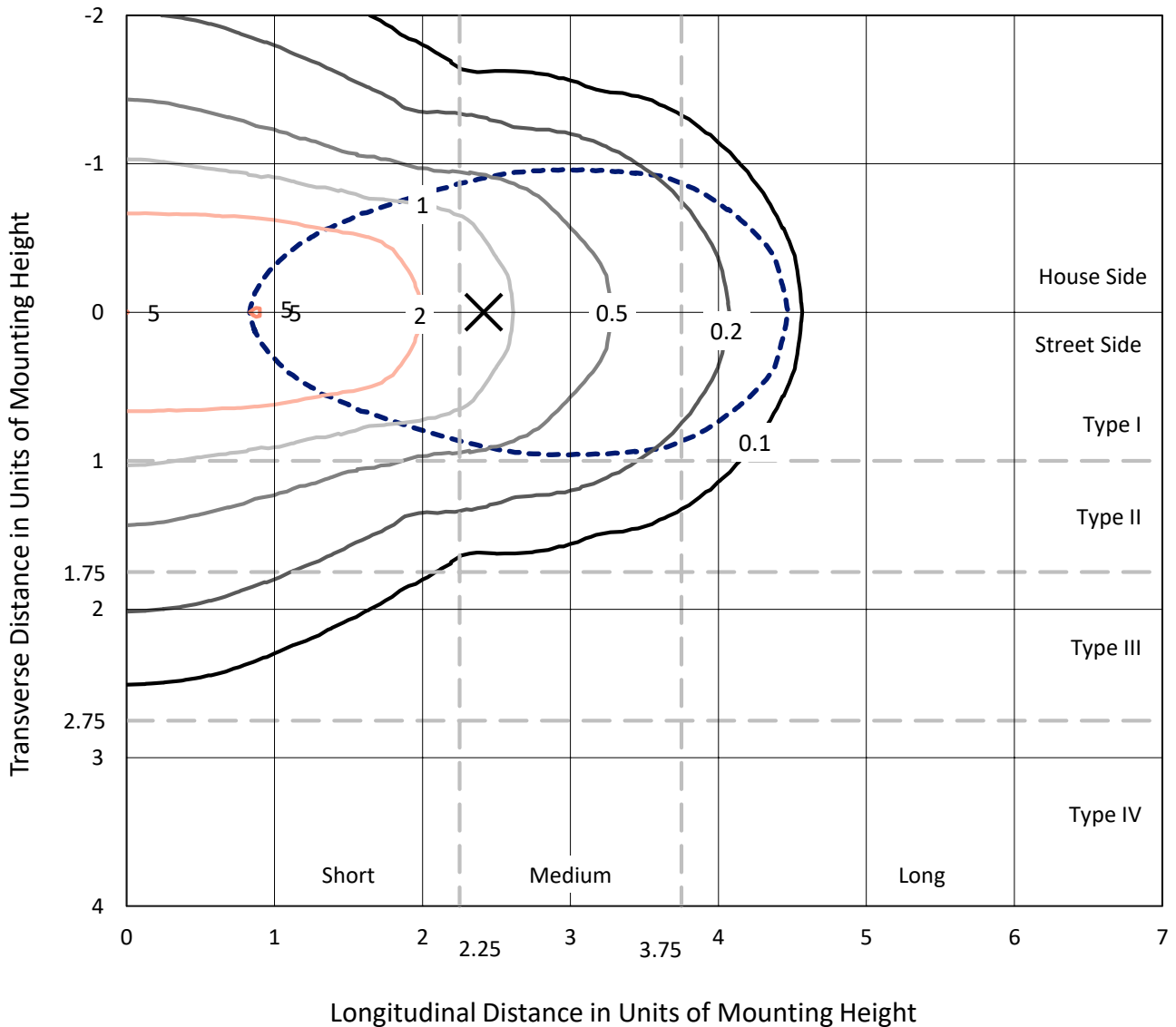
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

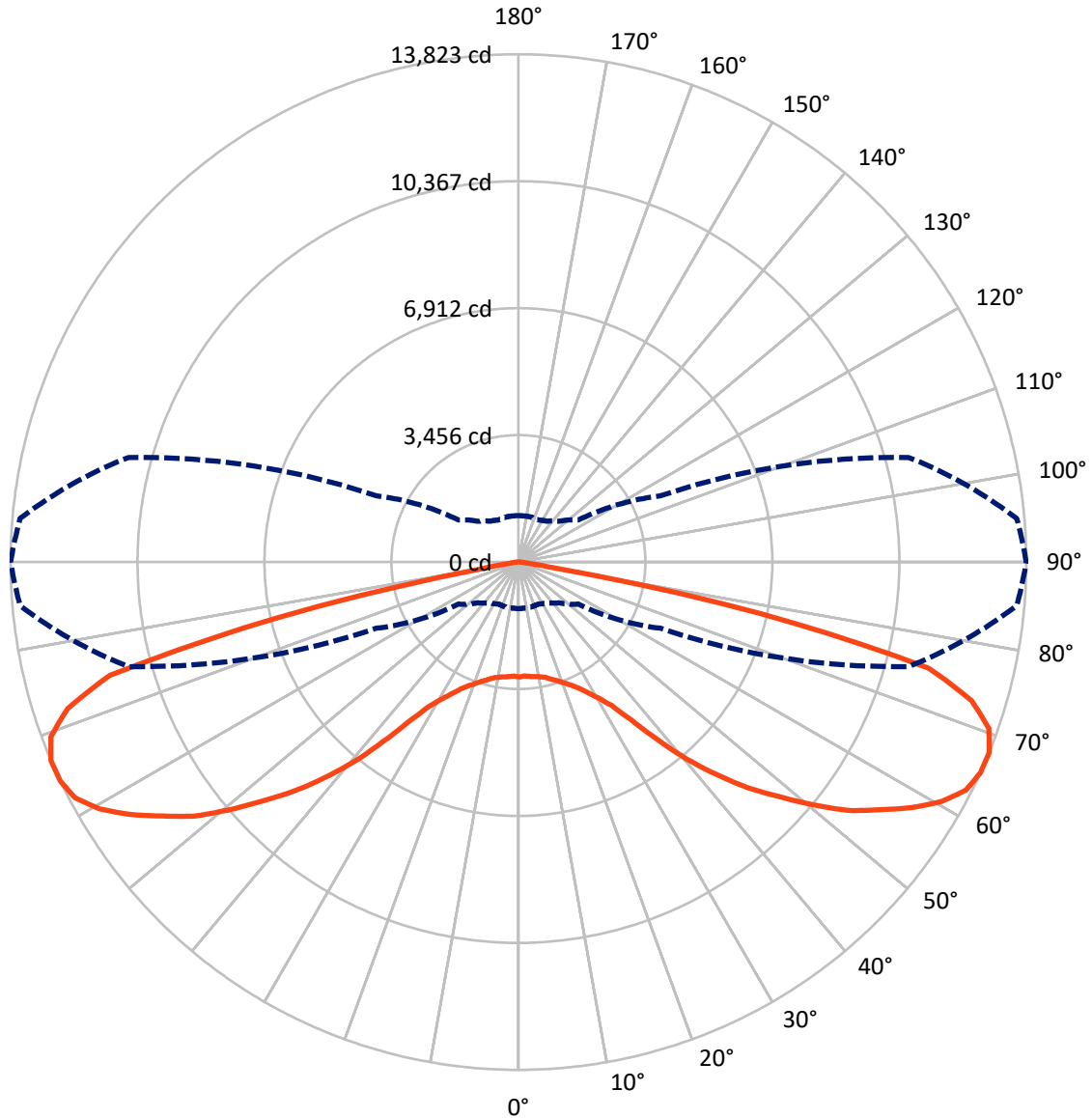
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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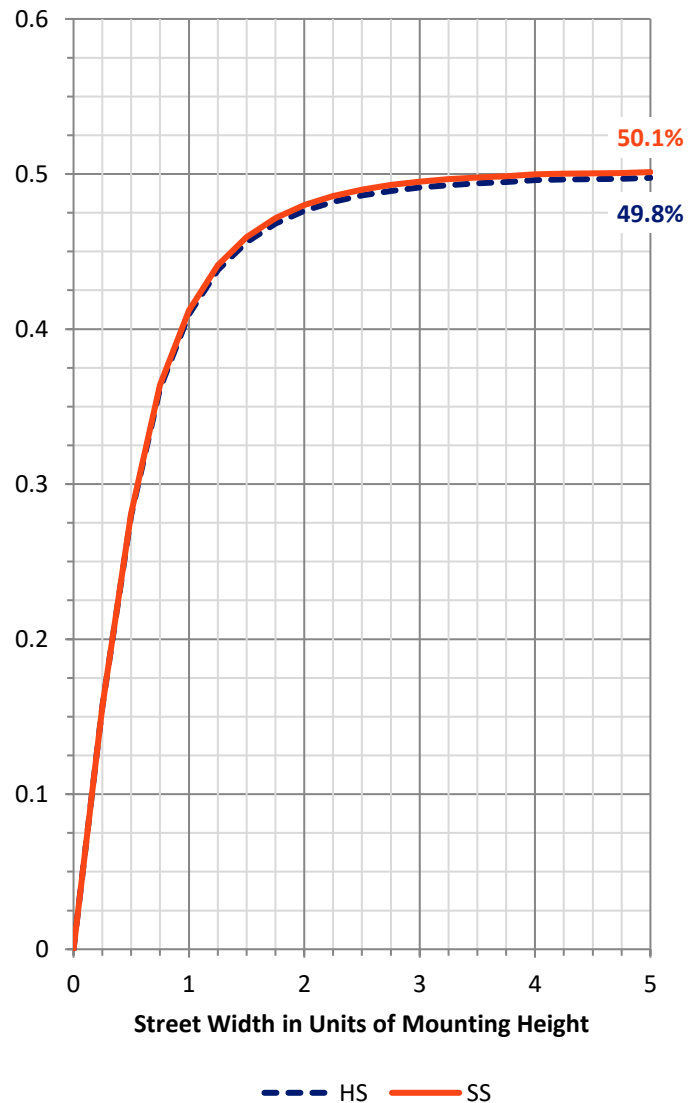
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9497.5	0.0	9497.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9497.5	0.0	9497.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18995.0	0.0	18995.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.9	1.6
10°-20°	890.2	4.7
20°-30°	1465.6	7.7
30°-40°	2140.7	11.3
40°-50°	3123.3	16.4
50°-60°	4033.6	21.2
60°-70°	4298.0	22.6
70°-80°	2622.8	13.8
80°-90°	121.7	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°	18995.0	100.0
0°-180°	18995.0	100.0



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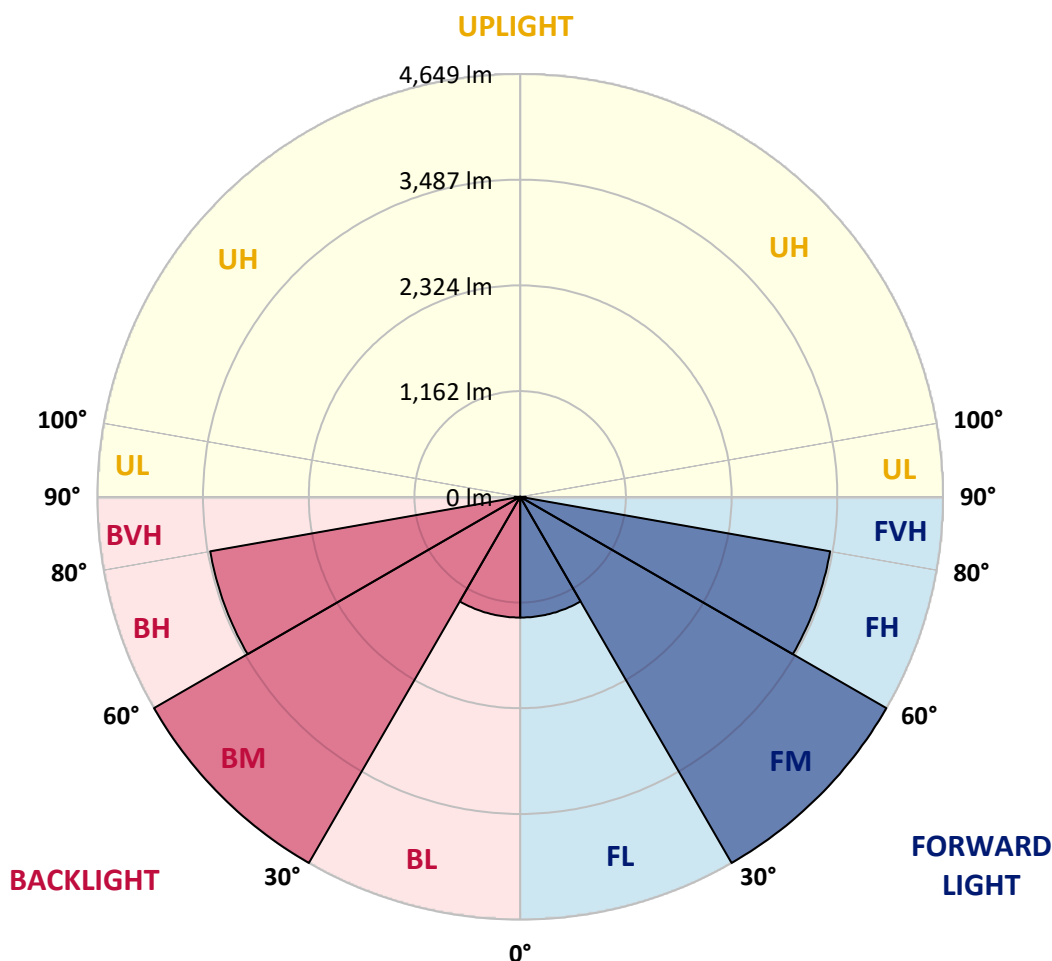
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1327.4	7.0			
FM (30°-60°)	4648.8	24.5			
FH (60°-80°)	3460.4	18.2			G2/5000
FVH (80°-90°)	60.9	0.3			G1/100
BL (0°-30°)	1327.4	7.0	B3/2500		
BM (30°-60°)	4648.8	24.5	B3/5000		
BH (60°-80°)	3460.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	60.9	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°	3129.0	3129.0	3129.0	3129.0	3129.0	3129.0	3129.0	3129.0	3129.0	3129.0	3129.0
2.5°	3153.6	3160.6	3150.1	3137.2	3150.1	3133.7	3111.4	3112.6	3109.0	3112.6	3104.3
5°	3148.9	3148.9	3136.0	3113.7	3141.9	3157.1	3136.0	3127.8	3130.1	3134.8	3127.8
7.5°	3132.5	3124.3	3106.7	3109.0	3129.0	3121.9	3144.2	3153.6	3170.0	3161.8	3147.7
10°	3077.4	3096.1	3077.4	3070.3	3118.4	3112.6	3126.6	3148.9	3177.0	3171.2	3175.9
12.5°	3045.7	3058.6	3049.2	3041.0	3083.2	3127.8	3147.7	3177.0	3211.0	3215.7	3219.2
15°	3007.0	3022.3	3004.7	3011.7	3082.1	3139.5	3187.6	3233.3	3290.7	3297.8	3302.5
17.5°	2941.4	2959.0	2932.0	2976.6	3064.5	3148.9	3234.5	3304.8	3365.8	3389.2	3389.2
20°	2842.9	2855.8	2858.2	2900.4	3016.4	3153.6	3272.0	3369.3	3450.2	3494.7	3507.6
22.5°	2698.7	2715.1	2744.4	2823.0	2975.4	3139.5	3303.6	3439.6	3572.1	3615.5	3633.1
25°	2563.9	2573.3	2626.0	2746.8	2929.7	3138.3	3347.0	3544.0	3702.2	3791.3	3798.4
27.5°	2433.8	2437.3	2517.0	2656.5	2876.9	3148.9	3400.9	3660.0	3899.2	3997.7	4030.5
30°	2304.8	2315.4	2386.9	2565.1	2832.4	3144.2	3447.8	3785.5	4095.0	4263.8	4296.6
32.5°	2191.1	2207.5	2288.4	2460.7	2777.3	3147.7	3519.4	3953.1	4355.2	4637.8	4654.2
35°	2093.8	2106.7	2187.6	2362.3	2721.0	3160.6	3613.1	4170.0	4766.7	5184.1	5265.0
37.5°	2011.7	2022.3	2107.9	2267.3	2655.3	3158.3	3726.9	4426.7	5279.0	5963.7	6117.3
40°	1959.0	1970.7	2028.1	2185.2	2574.5	3141.9	3840.6	4749.1	5848.8	6878.1	7050.4
42.5°	1907.4	1921.5	1962.5	2109.0	2479.5	3098.5	3954.3	5049.3	6454.9	7742.1	7912.1
45°	1858.2	1862.8	1915.6	2037.5	2374.0	3038.7	4065.7	5317.7	7064.5	8597.9	8762.0
47.5°	1815.9	1815.9	1855.8	1973.0	2279.0	2948.4	4109.0	5585.0	7636.6	9436.1	9537.0
50°	1790.2	1777.3	1801.9	1894.5	2173.5	2800.7	4083.2	5794.9	8306.0	10240.4	10390.4
52.5°	1726.9	1722.2	1740.9	1828.8	2086.8	2656.5	3966.0	5899.2	9025.8	10933.2	11236.8
55°	1661.2	1660.0	1677.6	1750.3	1987.1	2481.8	3692.9	5929.7	9703.4	11698.7	11906.2
57.5°	1595.5	1586.2	1606.1	1678.8	1880.4	2331.8	3393.9	5786.7	10364.6	12439.7	12612.0
60°	1540.5	1533.4	1545.1	1599.1	1771.4	2143.0	3037.5	5585.0	10952.0	13034.0	13233.3
62.5°	1461.9	1463.1	1470.1	1507.6	1654.2	1964.8	2683.5	5228.6	11313.0	13480.7	13670.6
65°	1368.1	1364.6	1379.8	1397.4	1506.5	1770.2	2324.7	4712.8	11395.1	13696.4	13819.5
67.5°	1267.3	1262.6	1270.8	1263.8	1355.2	1568.6	1991.8	4261.4	10993.0	13615.5	13823.0
70°	1143.0	1143.0	1138.3	1113.7	1179.4	1323.6	1694.0	3872.2	9899.2	13357.6	13582.7
72.5°	934.4	936.7	955.5	937.9	976.6	1070.3	1424.4	3427.9	8129.0	12544.0	12895.7
75°	574.4	574.4	589.7	653.0	762.0	813.6	1153.6	2875.7	6588.5	10728.1	11538.1
77.5°	295.4	297.8	306.0	327.1	347.0	399.8	648.3	1930.8	4179.4	6340.0	6703.4
80°	84.4	87.9	197.0	221.6	234.5	243.8	296.6	655.3	1068.0	1036.3	978.9
82.5°	56.3	58.6	114.9	134.8	123.1	100.8	123.1	192.3	160.6	201.6	219.2
85°	29.3	31.7	48.1	52.8	52.8	61.0	56.3	57.4	64.5	123.1	137.2
87.5°	14.1	15.2	19.9	24.6	25.8	29.3	28.1	29.3	32.8	50.4	55.1
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)