

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: P553591

Luminaire Tested: **VERD-G-CA2-160-722-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-160-722-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1460mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19871 lumens
Efficiency: N/A
Efficacy: 122.2 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

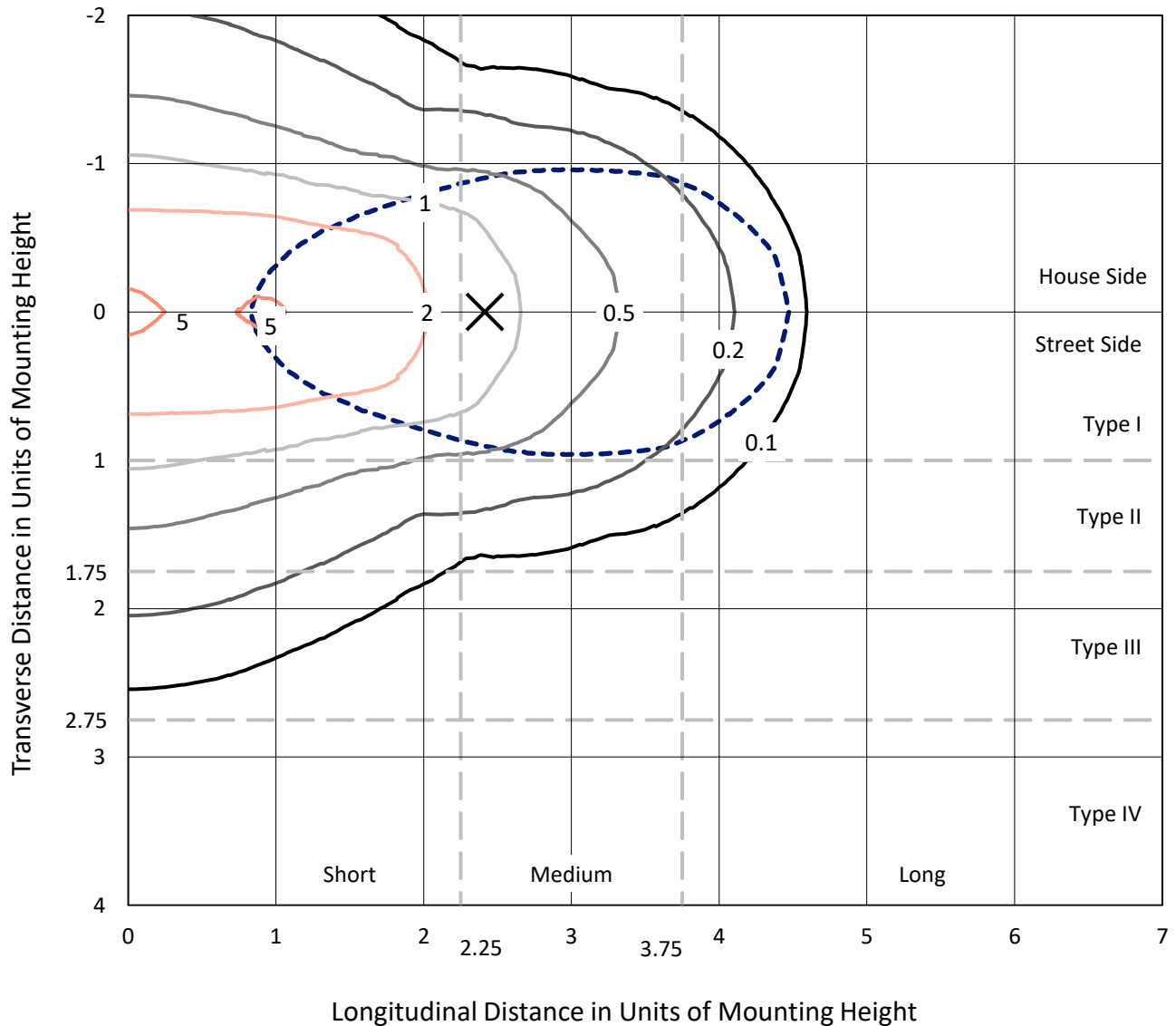
Input Watts (W): 162.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

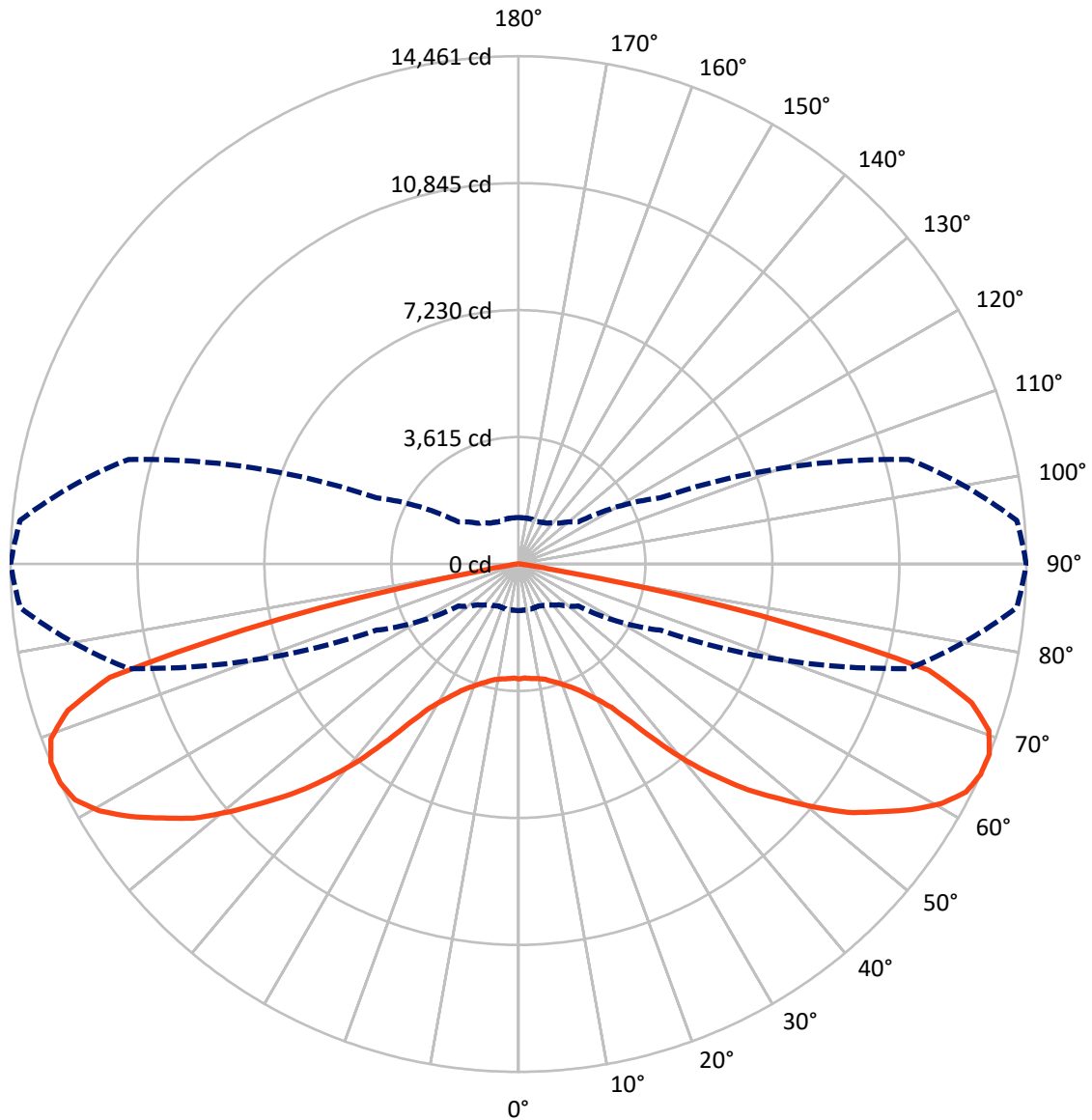
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type I - Short - N/A

REPORT NUMBER: P553591
CATALOG NUMBER: VERD-G-CA2-160-722-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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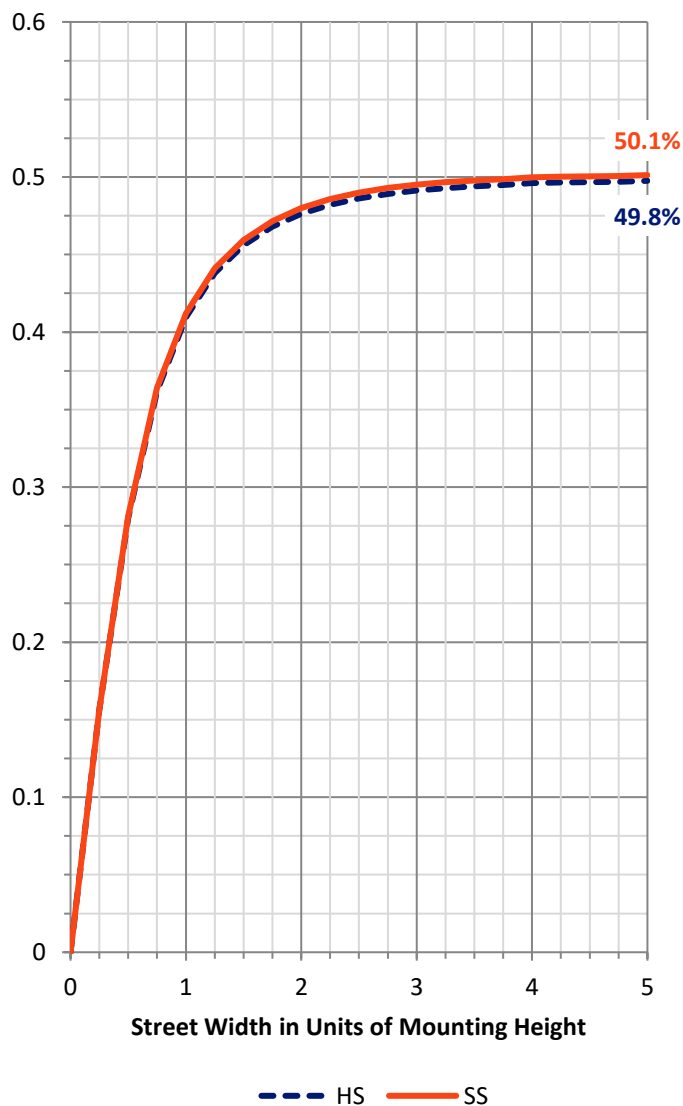
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9935.5	0.0	9935.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9935.5	0.0	9935.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19871.0	0.0	19871.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.7	1.6
10°-20°	931.3	4.7
20°-30°	1533.2	7.7
30°-40°	2239.4	11.3
40°-50°	3267.3	16.4
50°-60°	4219.7	21.2
60°-70°	4496.3	22.6
70°-80°	2743.7	13.8
80°-90°	127.4	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°	19871.0	100.0
0°-180°	19871.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553591

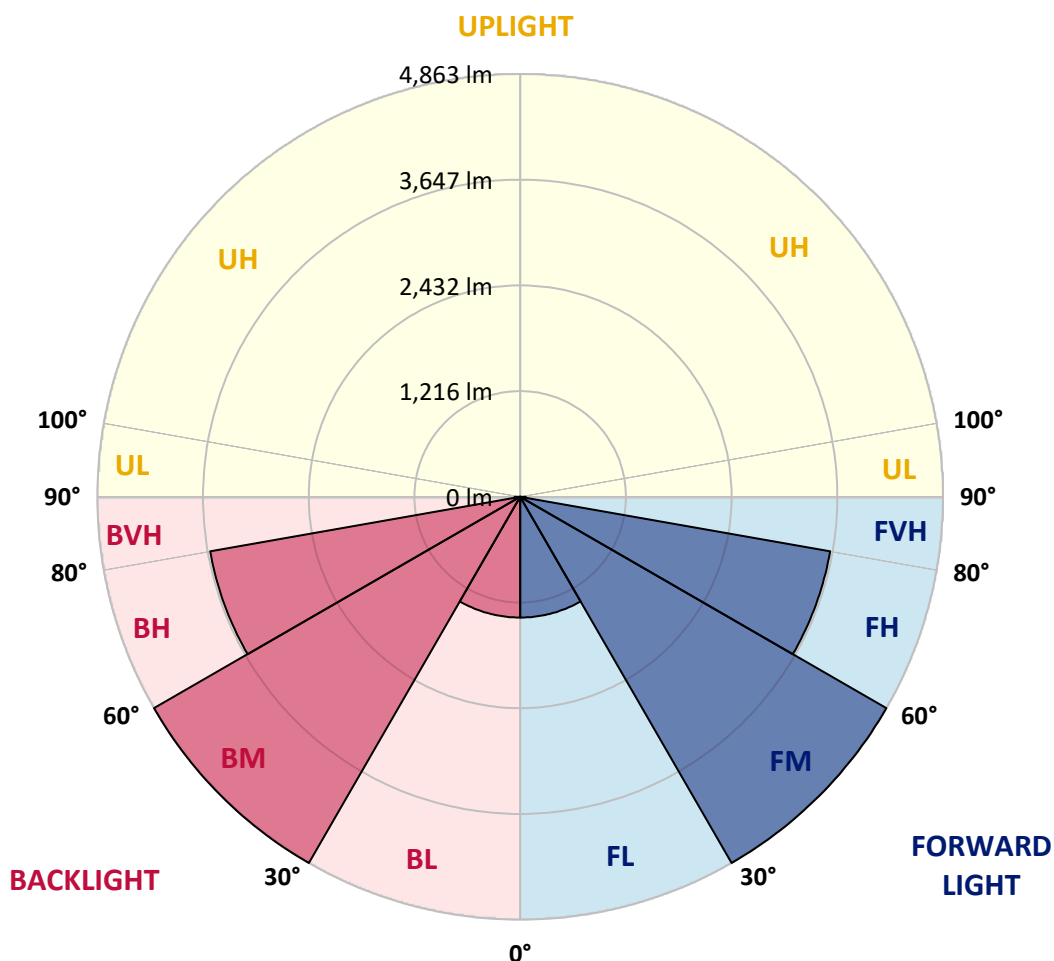
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1388.6	7.0			
FM	(30°-60°)	4863.2	24.5			
FH	(60°-80°)	3620.0	18.2			G2/5000
FVH	(80°-90°)	63.7	0.3			G1/100
BL	(0°-30°)	1388.6	7.0	B3/2500		
BM	(30°-60°)	4863.2	24.5	B3/5000		
BH	(60°-80°)	3620.0	18.2	B4/5000		G4/5000
BVH	(80°-90°)	63.7	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°	3273.3	3273.3	3273.3	3273.3	3273.3	3273.3	3273.3	3273.3	3273.3	3273.3	3273.3
2.5°	3299.0	3306.4	3295.3	3281.9	3295.3	3278.2	3254.9	3256.1	3252.4	3256.1	3247.5
5°	3294.1	3294.1	3280.6	3257.3	3286.8	3302.7	3280.6	3272.0	3274.5	3279.4	3272.0
7.5°	3276.9	3268.4	3250.0	3252.4	3273.3	3265.9	3289.2	3299.0	3316.2	3307.6	3292.9
10°	3219.3	3238.9	3219.3	3211.9	3262.2	3256.1	3270.8	3294.1	3323.5	3317.4	3322.3
12.5°	3186.2	3199.7	3189.9	3181.3	3225.4	3272.0	3292.9	3323.5	3359.1	3364.0	3367.7
15°	3145.7	3161.7	3143.3	3150.6	3224.2	3284.3	3334.6	3382.4	3442.5	3449.9	3454.8
17.5°	3077.0	3095.4	3067.2	3113.8	3205.8	3294.1	3383.6	3457.2	3521.0	3545.5	3545.5
20°	2974.0	2987.5	2990.0	3034.1	3155.5	3299.0	3422.9	3524.7	3609.3	3655.9	3669.4
22.5°	2823.2	2840.3	2871.0	2953.2	3112.6	3284.3	3456.0	3598.3	3736.8	3782.2	3800.6
25°	2682.1	2692.0	2747.1	2873.5	3064.8	3283.1	3501.4	3707.4	3873.0	3966.2	3973.5
27.5°	2546.0	2549.7	2633.1	2779.0	3009.6	3294.1	3557.8	3828.8	4079.0	4182.0	4216.4
30°	2411.1	2422.1	2497.0	2683.4	2963.0	3289.2	3606.8	3960.1	4283.8	4460.4	4494.8
32.5°	2292.1	2309.3	2393.9	2574.2	2905.3	3292.9	3681.7	4135.4	4556.1	4851.6	4868.8
35°	2190.4	2203.8	2288.5	2471.2	2846.5	3306.4	3779.8	4362.3	4986.5	5423.1	5507.8
37.5°	2104.5	2115.5	2205.1	2371.9	2777.8	3303.9	3898.7	4630.9	5522.5	6238.7	6399.4
40°	2049.3	2061.6	2121.7	2286.0	2693.2	3286.8	4017.7	4968.2	6118.5	7195.3	7375.6
42.5°	1995.4	2010.1	2053.0	2206.3	2593.8	3241.4	4136.7	5282.1	6752.6	8099.2	8277.0
45°	1943.8	1948.8	2003.9	2131.5	2483.5	3178.8	4253.2	5563.0	7390.3	8994.4	9166.1
47.5°	1899.7	1899.7	1941.4	2064.0	2384.1	3084.4	4298.5	5842.6	7988.8	9871.3	9976.8
50°	1872.7	1859.2	1885.0	1981.9	2273.7	2929.9	4271.6	6062.1	8689.1	10712.6	10869.6
52.5°	1806.5	1801.6	1821.2	1913.2	2183.0	2779.0	4148.9	6171.3	9442.1	11437.4	11755.1
55°	1737.8	1736.6	1755.0	1831.0	2078.8	2596.3	3863.2	6203.1	10150.9	12238.3	12455.3
57.5°	1669.1	1659.3	1680.2	1756.2	1967.1	2439.3	3550.4	6053.5	10842.6	13013.3	13193.6
60°	1611.5	1604.1	1616.4	1672.8	1853.1	2241.9	3177.6	5842.6	11457.0	13635.1	13843.6
62.5°	1529.3	1530.5	1537.9	1577.2	1730.5	2055.4	2807.2	5469.8	11834.8	14102.4	14301.1
65°	1431.2	1427.5	1443.5	1461.9	1575.9	1851.9	2432.0	4930.1	11920.6	14328.0	14456.8
67.5°	1325.7	1320.8	1329.4	1322.1	1417.7	1640.9	2083.7	4458.0	11500.0	14243.4	14460.5
70°	1195.7	1195.7	1190.8	1165.1	1233.8	1384.6	1772.2	4050.8	10355.7	13973.6	14209.1
72.5°	977.4	979.9	999.5	981.1	1021.6	1119.7	1490.1	3586.0	8503.9	13122.5	13490.4
75°	600.9	600.9	616.9	683.1	797.2	851.1	1206.8	3008.4	6892.4	11222.8	12070.2
77.5°	309.1	311.5	320.1	342.2	363.0	418.2	678.2	2019.9	4372.1	6632.4	7012.6
80°	88.3	92.0	206.0	231.8	245.3	255.1	310.3	685.6	1117.3	1084.1	1024.0
82.5°	58.9	61.3	120.2	141.0	128.8	105.5	128.8	201.1	168.0	210.9	229.3
85°	30.7	33.1	50.3	55.2	55.2	63.8	58.9	60.1	67.5	128.8	143.5
87.5°	14.7	15.9	20.8	25.8	27.0	30.7	29.4	30.7	34.3	52.7	57.6
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)