

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: P553583

Luminaire Tested: **VERD-G-CA2-150-760-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553583
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-CA2-150-760-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1380mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23116 lumens
Efficiency: N/A
Efficacy: 151.9 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

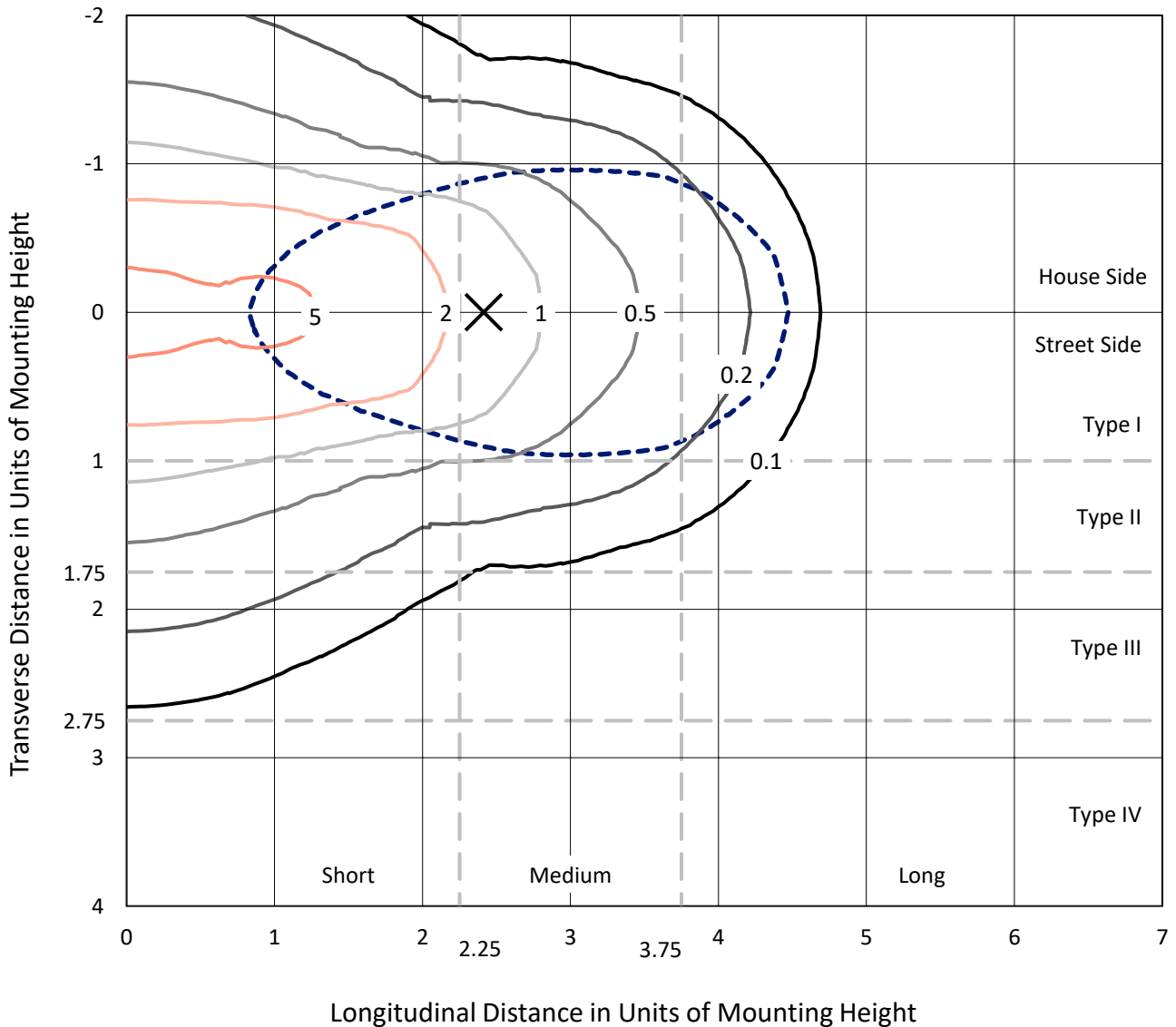
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

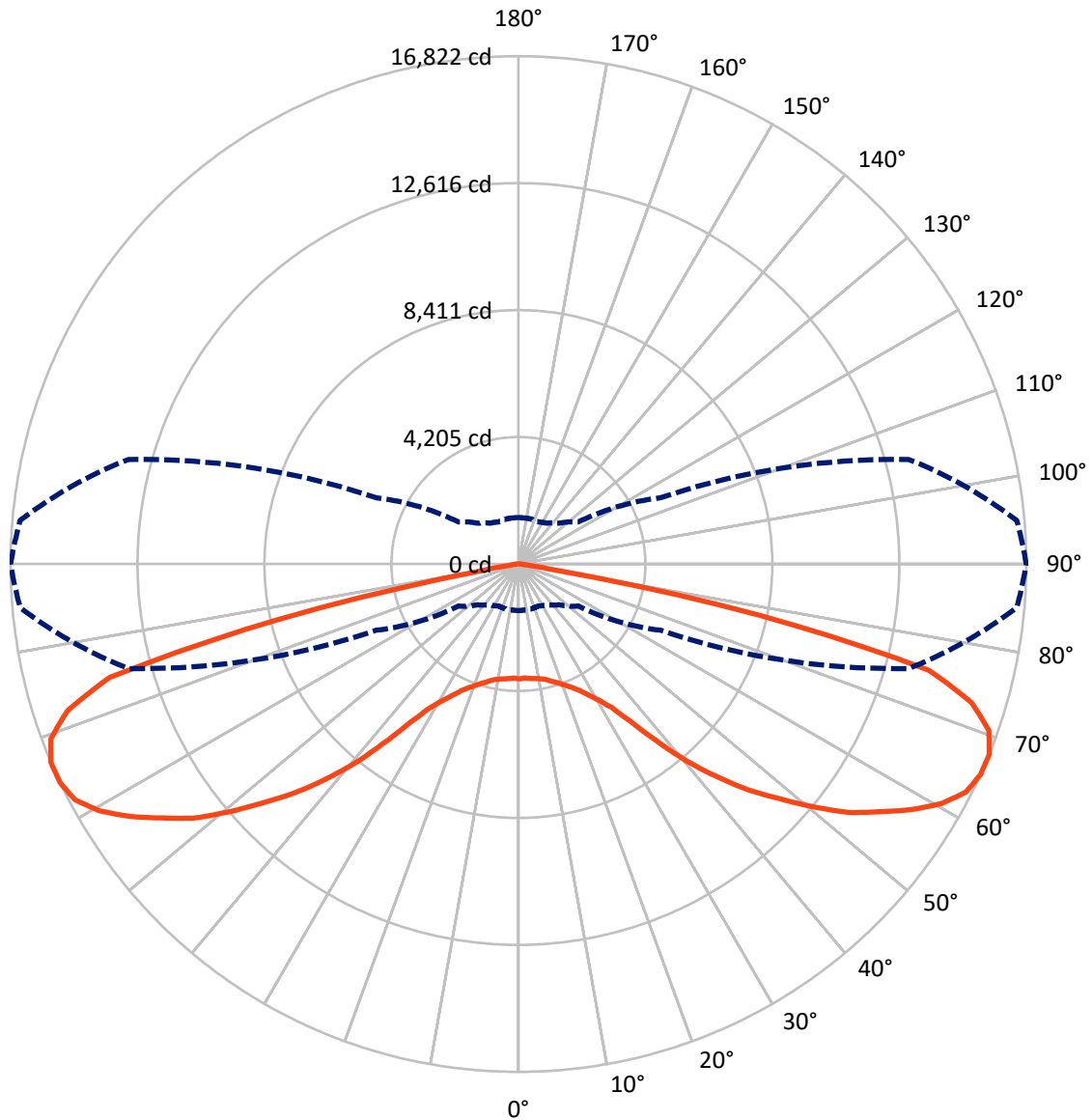
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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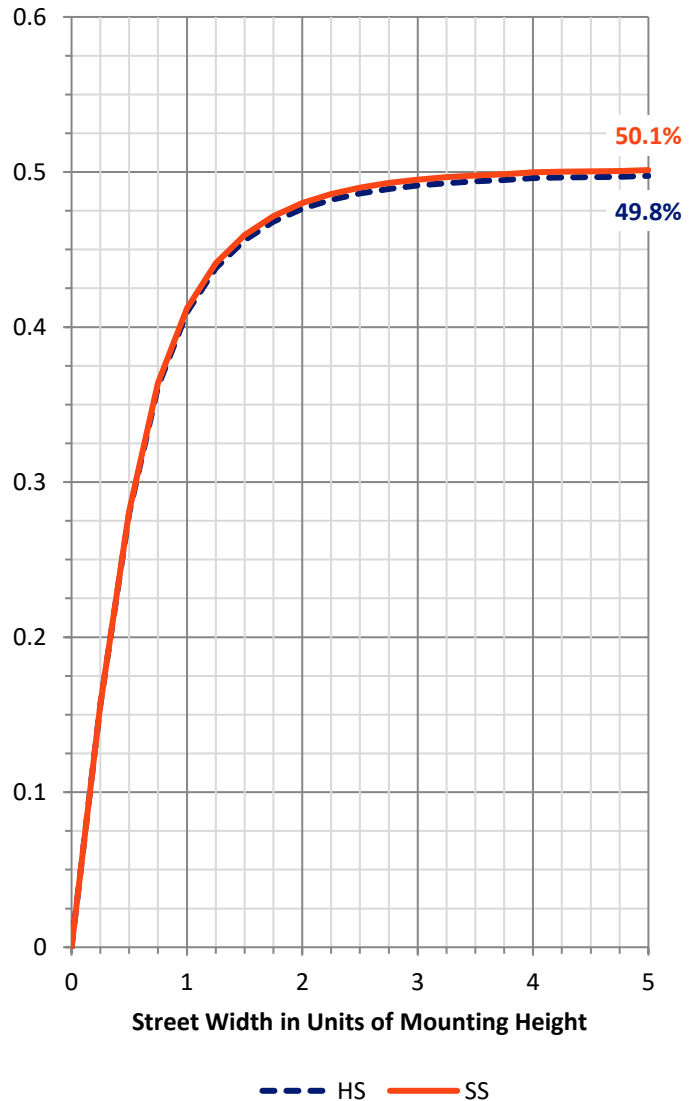
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11558.0	0.0	11558.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11558.0	0.0	11558.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23116.0	0.0	23116.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.8	1.6
10°-20°	1083.3	4.7
20°-30°	1783.6	7.7
30°-40°	2605.2	11.3
40°-50°	3800.9	16.4
50°-60°	4908.8	21.2
60°-70°	5230.5	22.6
70°-80°	3191.8	13.8
80°-90°	148.2	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°	23116.0	100.0
0°-180°	23116.0	100.0



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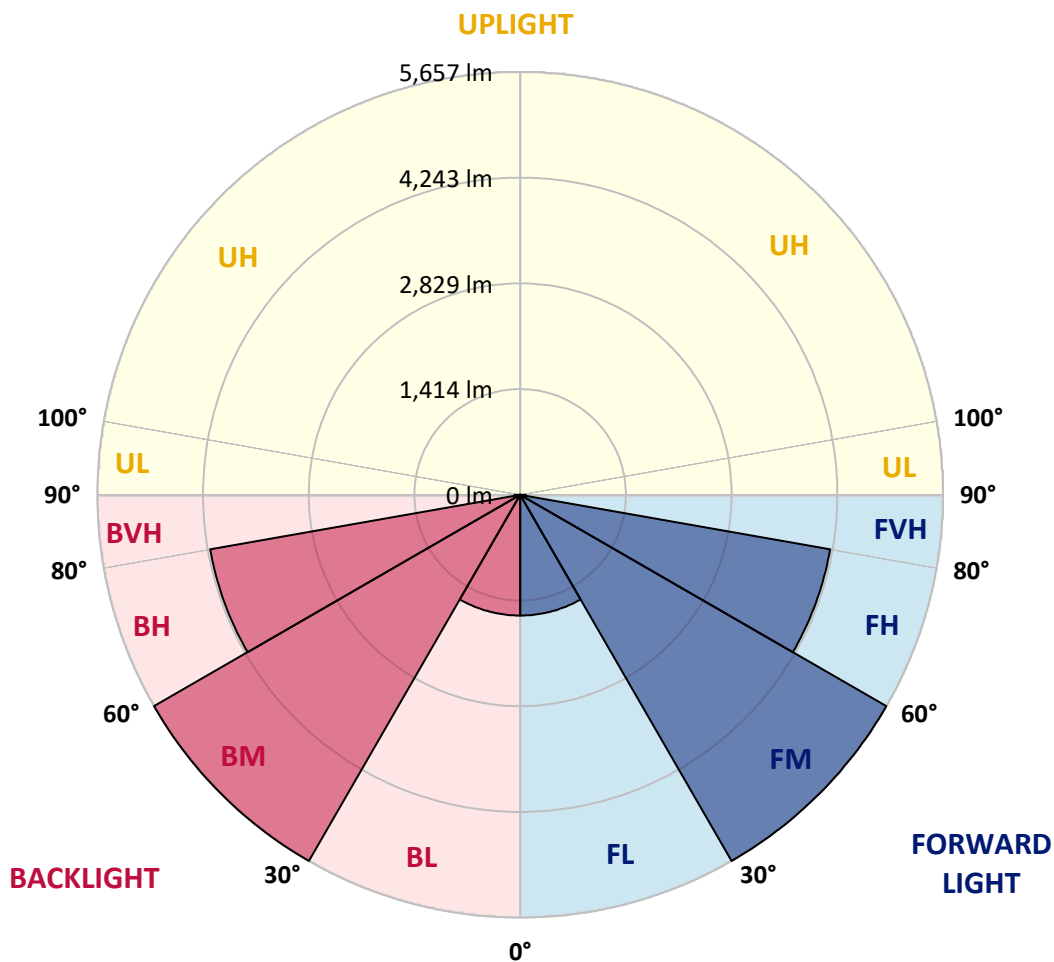
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1615.4	7.0			
FM	(30°-60°)	5657.4	24.5			
FH	(60°-80°)	4211.2	18.2			G2/5000
FVH	(80°-90°)	74.1	0.3			G1/100
BL	(0°-30°)	1615.4	7.0	B3/2500		
BM	(30°-60°)	5657.4	24.5	B4/8500		
BH	(60°-80°)	4211.2	18.2	B4/5000		G4/5000
BVH	(80°-90°)	74.1	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°	3807.8	3807.8	3807.8	3807.8	3807.8	3807.8	3807.8	3807.8	3807.8	3807.8	3807.8
2.5°	3837.8	3846.3	3833.5	3817.8	3833.5	3813.5	3786.4	3787.8	3783.5	3787.8	3777.8
5°	3832.1	3832.1	3816.4	3789.3	3823.5	3842.0	3816.4	3806.4	3809.2	3814.9	3806.4
7.5°	3812.1	3802.1	3780.7	3783.5	3807.8	3799.2	3826.3	3837.8	3857.7	3847.7	3830.6
10°	3745.0	3767.9	3745.0	3736.5	3795.0	3787.8	3804.9	3832.1	3866.3	3859.2	3864.9
12.5°	3706.5	3722.2	3710.8	3700.8	3752.2	3806.4	3830.6	3866.3	3907.7	3913.4	3917.7
15°	3659.4	3678.0	3656.6	3665.1	3750.7	3820.6	3879.1	3934.8	4004.7	4013.2	4018.9
17.5°	3579.5	3600.9	3568.1	3622.3	3729.3	3832.1	3936.2	4021.8	4096.0	4124.5	4124.5
20°	3459.7	3475.4	3478.2	3529.6	3670.8	3837.8	3981.9	4100.3	4198.7	4252.9	4268.6
22.5°	3284.2	3304.2	3339.9	3435.4	3620.9	3820.6	4020.4	4185.9	4347.1	4399.9	4421.3
25°	3120.1	3131.6	3195.8	3342.7	3565.3	3819.2	4073.2	4312.8	4505.4	4613.9	4622.4
27.5°	2961.8	2966.1	3063.1	3232.9	3501.1	3832.1	4138.8	4454.1	4745.1	4865.0	4904.9
30°	2804.8	2817.7	2904.7	3121.6	3446.9	3826.3	4195.9	4606.7	4983.4	5188.8	5228.8
32.5°	2666.5	2686.4	2784.9	2994.6	3379.8	3830.6	4282.9	4810.8	5300.1	5643.9	5663.9
35°	2548.0	2563.7	2662.2	2874.8	3311.3	3846.3	4397.0	5074.7	5800.9	6308.8	6407.2
37.5°	2448.2	2461.0	2565.2	2759.2	3231.4	3843.5	4535.4	5387.1	6424.3	7257.5	7444.4
40°	2384.0	2398.2	2468.2	2659.3	3133.0	3823.5	4673.8	5779.5	7117.7	8370.3	8580.0
42.5°	2321.2	2338.3	2388.3	2566.6	3017.4	3770.7	4812.2	6144.7	7855.3	9421.8	9628.6
45°	2261.3	2267.0	2331.2	2479.6	2889.0	3697.9	4947.7	6471.4	8597.2	10463.2	10663.0
47.5°	2209.9	2209.9	2258.4	2401.1	2773.5	3588.1	5000.5	6796.7	9293.4	11483.3	11606.0
50°	2178.5	2162.8	2192.8	2305.5	2645.1	3408.3	4969.1	7052.1	10108.0	12462.0	12644.6
52.5°	2101.5	2095.8	2118.6	2225.6	2539.5	3232.9	4826.4	7179.0	10984.0	13305.2	13674.7
55°	2021.6	2020.2	2041.6	2130.0	2418.2	3020.3	4494.0	7216.1	11808.6	14236.8	14489.3
57.5°	1941.7	1930.3	1954.5	2043.0	2288.4	2837.7	4130.2	7042.1	12613.3	15138.5	15348.2
60°	1874.7	1866.1	1880.4	1946.0	2155.7	2608.0	3696.5	6796.7	13328.0	15861.8	16104.3
62.5°	1779.1	1780.5	1789.1	1834.7	2013.0	2391.1	3265.7	6363.0	13767.4	16405.4	16636.5
65°	1664.9	1660.7	1679.2	1700.6	1833.3	2154.3	2829.1	5735.2	13867.3	16667.9	16817.7
67.5°	1542.2	1536.5	1546.5	1538.0	1649.2	1908.9	2423.9	5186.0	13378.0	16569.4	16821.9
70°	1391.0	1391.0	1385.3	1355.3	1435.2	1610.7	2061.5	4712.3	12046.9	16255.6	16529.5
72.5°	1137.1	1139.9	1162.7	1141.3	1188.4	1302.6	1733.4	4171.6	9892.6	15265.4	15693.4
75°	699.1	699.1	717.6	794.7	927.3	990.1	1403.9	3499.6	8017.9	13055.5	14041.4
77.5°	359.5	362.4	372.4	398.0	422.3	486.5	789.0	2349.7	5086.1	7715.5	8157.7
80°	102.7	107.0	239.7	269.6	285.3	296.7	360.9	797.5	1299.7	1261.2	1191.3
82.5°	68.5	71.3	139.8	164.1	149.8	122.7	149.8	234.0	195.5	245.4	266.8
85°	35.7	38.5	58.5	64.2	64.2	74.2	68.5	69.9	78.5	149.8	166.9
87.5°	17.1	18.5	24.3	30.0	31.4	35.7	34.2	35.7	39.9	61.3	67.1
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)