

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: P553527

Luminaire Tested: **VERD-G-CA2-140-750-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553527
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-CA2-140-750-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1290mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22391 lumens
Efficiency: N/A
Efficacy: 157.2 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

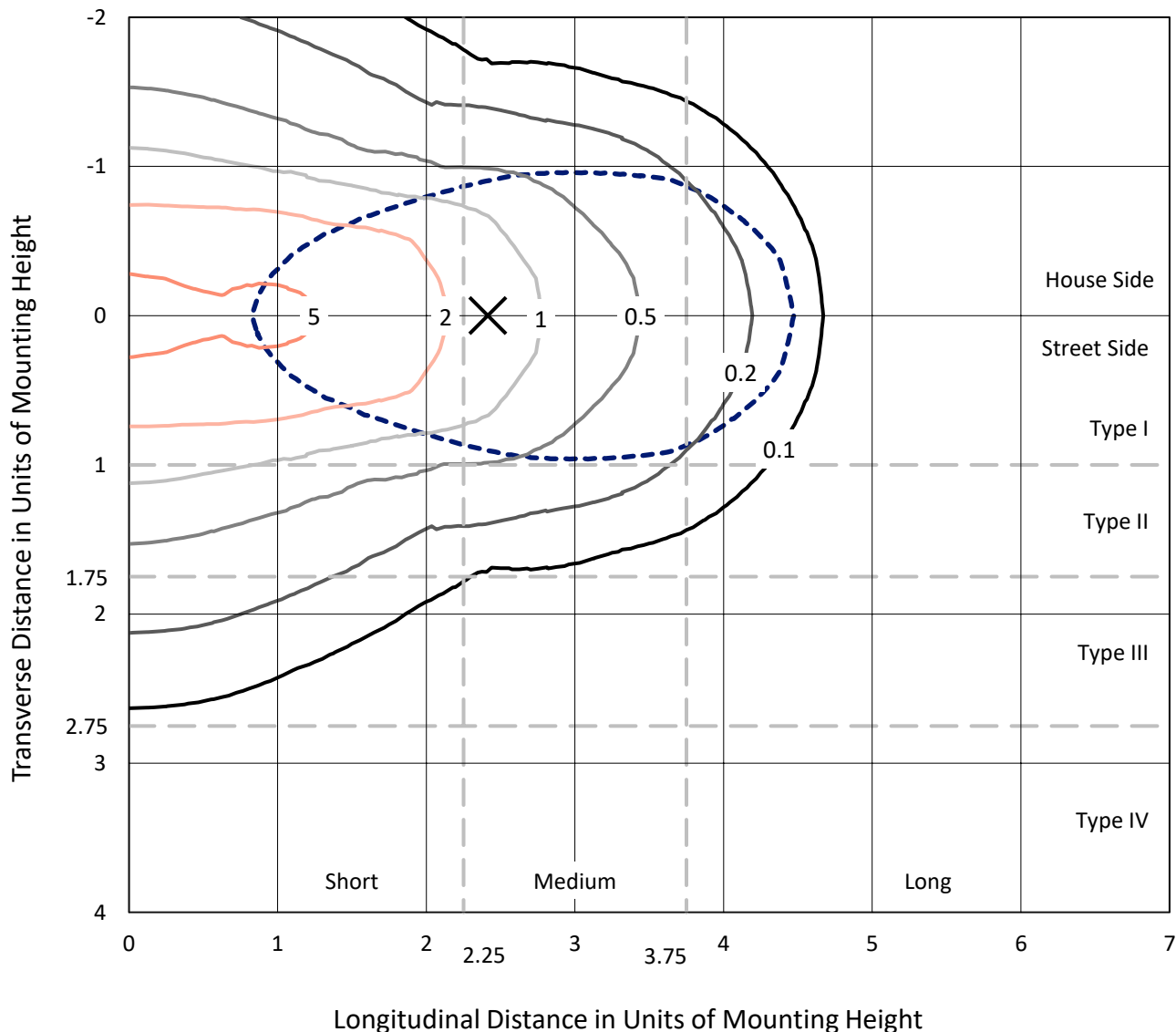
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

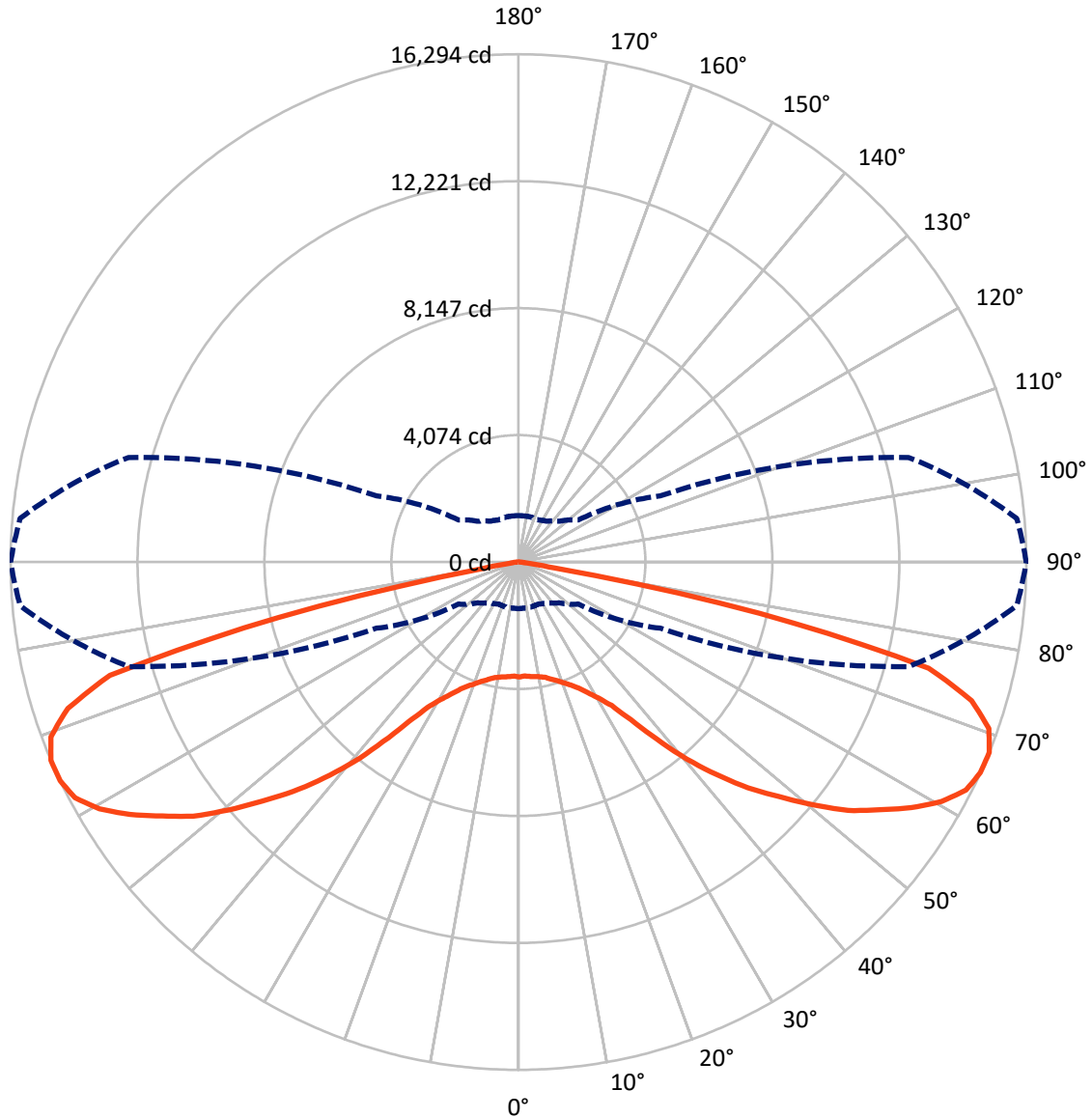
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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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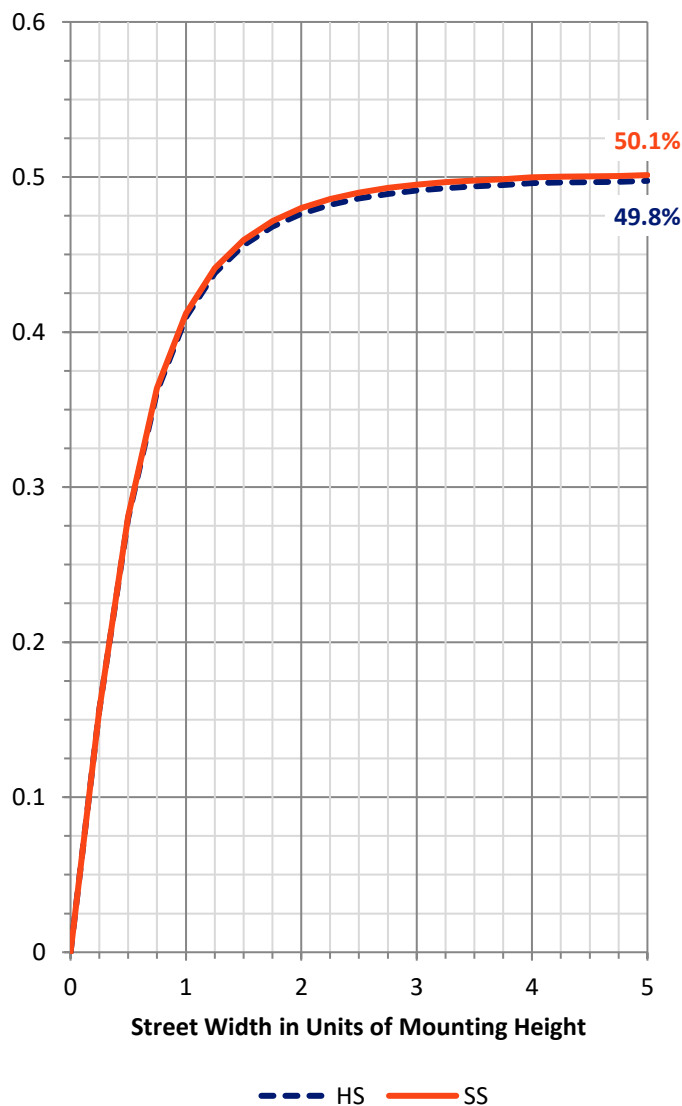
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11195.5	0.0	11195.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11195.5	0.0	11195.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22391.0	0.0	22391.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.4	1.6
10°-20°	1049.4	4.7
20°-30°	1727.7	7.7
30°-40°	2523.4	11.3
40°-50°	3681.6	16.4
50°-60°	4754.8	21.2
60°-70°	5066.5	22.6
70°-80°	3091.7	13.8
80°-90°	143.5	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°	22391.0	100.0
0°-180°	22391.0	100.0

Coefficient of Utilization



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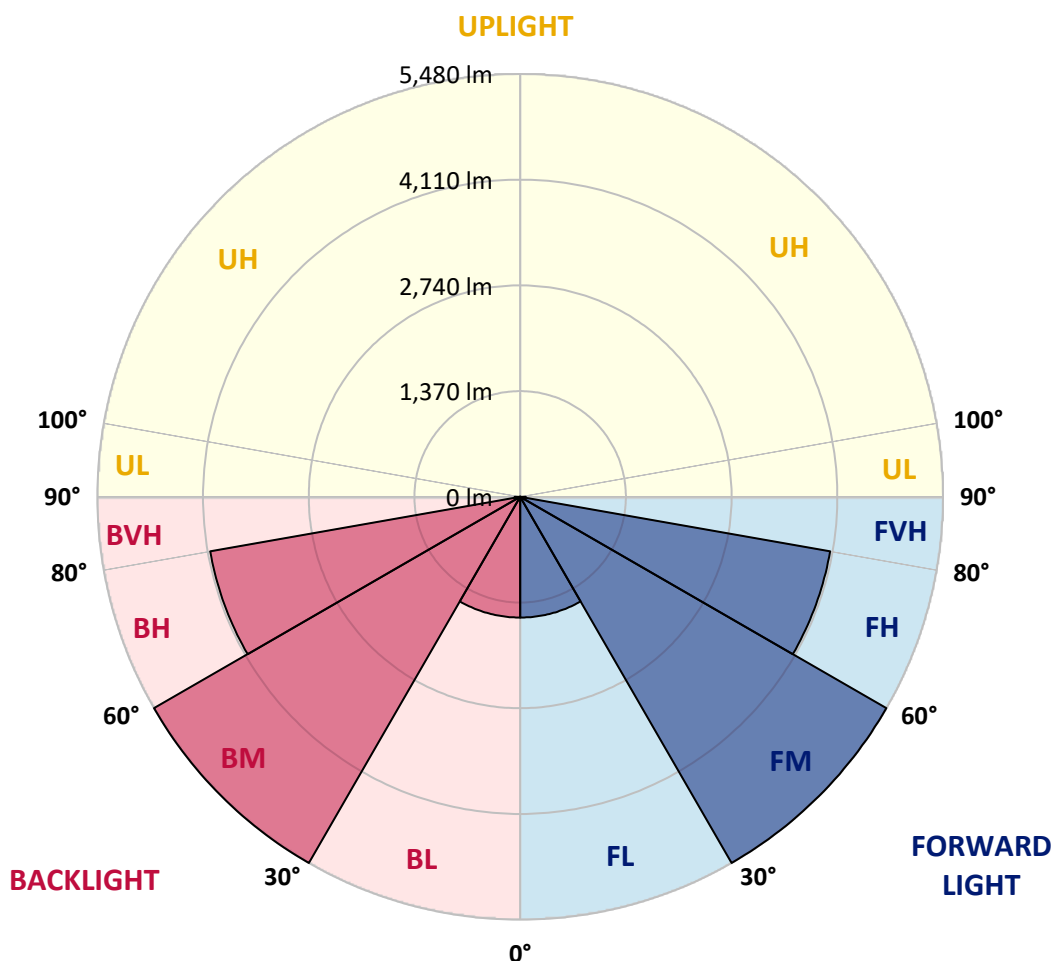
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1564.7	7.0			
FM	(30°-60°)	5479.9	24.5			
FH	(60°-80°)	4079.1	18.2			G2/5000
FVH	(80°-90°)	71.7	0.3			G1/100
BL	(0°-30°)	1564.7	7.0	B3/2500		
BM	(30°-60°)	5479.9	24.5	B4/8500		
BH	(60°-80°)	4079.1	18.2	B4/5000		G4/5000
BVH	(80°-90°)	71.7	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°	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4
2.5°	3717.4	3725.7	3713.2	3698.0	3713.2	3693.9	3667.6	3669.0	3664.9	3669.0	3659.4
5°	3711.9	3711.9	3696.7	3670.4	3703.6	3721.5	3696.7	3687.0	3689.8	3695.3	3687.0
7.5°	3692.5	3682.8	3662.1	3664.9	3688.4	3680.1	3706.3	3717.4	3736.7	3727.1	3710.5
10°	3627.6	3649.7	3627.6	3619.3	3675.9	3669.0	3685.6	3711.9	3745.0	3738.1	3743.7
12.5°	3590.3	3605.5	3594.4	3584.7	3634.5	3687.0	3710.5	3745.0	3785.1	3790.6	3794.8
15°	3544.7	3562.6	3541.9	3550.2	3633.1	3700.8	3757.5	3811.4	3879.1	3887.4	3892.9
17.5°	3467.3	3488.0	3456.2	3508.7	3612.4	3711.9	3812.7	3895.7	3967.5	3995.2	3995.2
20°	3351.2	3366.4	3369.1	3418.9	3555.7	3717.4	3857.0	3971.7	4067.0	4119.5	4134.7
22.5°	3181.2	3200.6	3235.1	3327.7	3507.3	3700.8	3894.3	4054.6	4210.7	4261.9	4282.6
25°	3022.3	3033.3	3095.5	3237.9	3453.4	3699.4	3945.4	4177.6	4364.1	4469.2	4477.5
27.5°	2868.9	2873.0	2967.0	3131.5	3391.3	3711.9	4009.0	4314.4	4596.3	4712.4	4751.1
30°	2716.9	2729.3	2813.6	3023.7	3338.7	3706.3	4064.3	4462.3	4827.1	5026.1	5064.8
32.5°	2582.8	2602.2	2697.5	2900.7	3273.8	3710.5	4148.6	4659.9	5133.9	5466.9	5486.3
35°	2468.1	2483.3	2578.7	2784.6	3207.5	3725.7	4259.1	4915.5	5618.9	6110.9	6206.3
37.5°	2371.4	2383.8	2484.7	2672.7	3130.1	3722.9	4393.2	5218.2	6222.8	7029.9	7210.9
40°	2309.2	2323.0	2390.7	2575.9	3034.7	3703.6	4527.2	5598.2	6894.5	8107.8	8310.9
42.5°	2248.4	2265.0	2313.4	2486.1	2922.8	3652.4	4661.3	5952.0	7608.9	9126.3	9326.7
45°	2190.4	2195.9	2258.1	2401.8	2798.4	3582.0	4792.5	6268.4	8327.5	10135.1	10328.6
47.5°	2140.6	2140.6	2187.6	2325.8	2686.5	3475.6	4843.7	6583.5	9001.9	11123.2	11242.0
50°	2110.2	2095.0	2124.0	2233.2	2562.1	3301.4	4813.3	6830.9	9791.0	12071.2	12248.1
52.5°	2035.6	2030.1	2052.2	2155.8	2459.8	3131.5	4675.1	6953.9	10639.5	12887.9	13245.8
55°	1958.2	1956.8	1977.5	2063.2	2342.4	2925.5	4353.1	6989.8	11438.2	13790.3	14034.9
57.5°	1880.8	1869.8	1893.2	1978.9	2216.6	2748.7	4000.7	6821.2	12217.7	14663.7	14866.8
60°	1815.9	1807.6	1821.4	1885.0	2088.1	2526.2	3580.6	6583.5	12910.0	15364.3	15599.2
62.5°	1723.3	1724.7	1732.9	1777.2	1949.9	2316.1	3163.2	6163.4	13335.6	15890.8	16114.7
65°	1612.7	1608.6	1626.5	1647.3	1775.8	2086.7	2740.4	5555.4	13432.4	16145.1	16290.2
67.5°	1493.9	1488.3	1498.0	1489.7	1597.5	1849.0	2347.9	5023.3	12958.4	16049.8	16294.4
70°	1347.4	1347.4	1341.9	1312.8	1390.2	1560.2	1996.9	4564.5	11669.0	15745.7	16011.1
72.5°	1101.4	1104.2	1126.3	1105.5	1151.1	1261.7	1679.0	4040.8	9582.3	14786.7	15201.2
75°	677.1	677.1	695.1	769.7	898.3	959.1	1359.8	3389.9	7766.5	12646.1	13601.0
77.5°	348.2	351.0	360.7	385.6	409.1	471.2	764.2	2276.0	4926.6	7473.5	7901.9
80°	99.5	103.6	232.2	261.2	276.4	287.4	349.6	772.5	1258.9	1221.6	1153.9
82.5°	66.3	69.1	135.4	158.9	145.1	118.8	145.1	226.6	189.3	237.7	258.4
85°	34.5	37.3	56.7	62.2	62.2	71.9	66.3	67.7	76.0	145.1	161.7
87.5°	16.6	18.0	23.5	29.0	30.4	34.5	33.2	34.5	38.7	59.4	65.0
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)