

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: P553519

Luminaire Tested: **VERD-G-CA2-140-740-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553519
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-CA2-140-740-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1290mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21988 lumens
Efficiency: N/A
Efficacy: 154.4 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

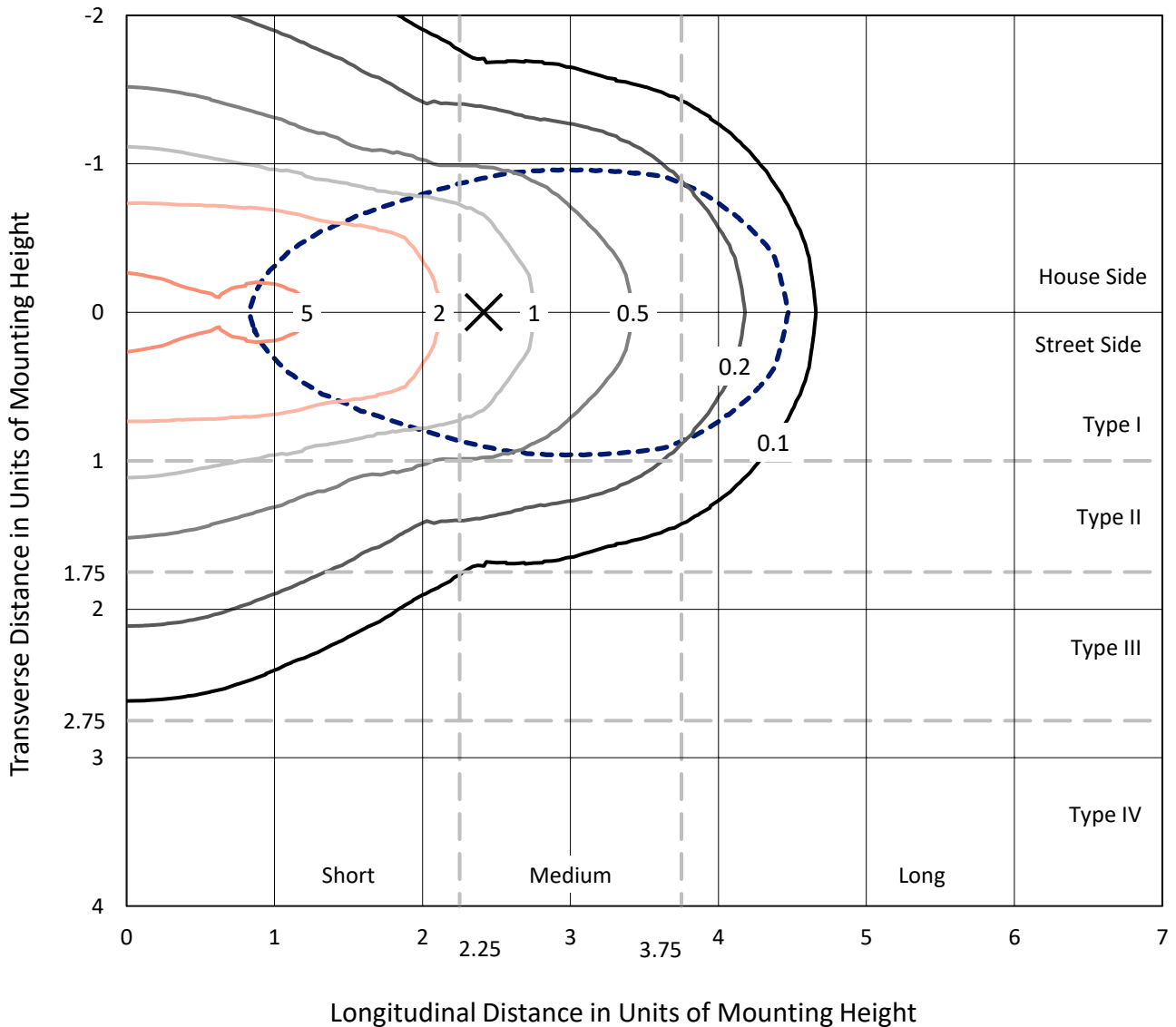
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553519
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Iso-Footcandle Lines of Horizontal Illumination

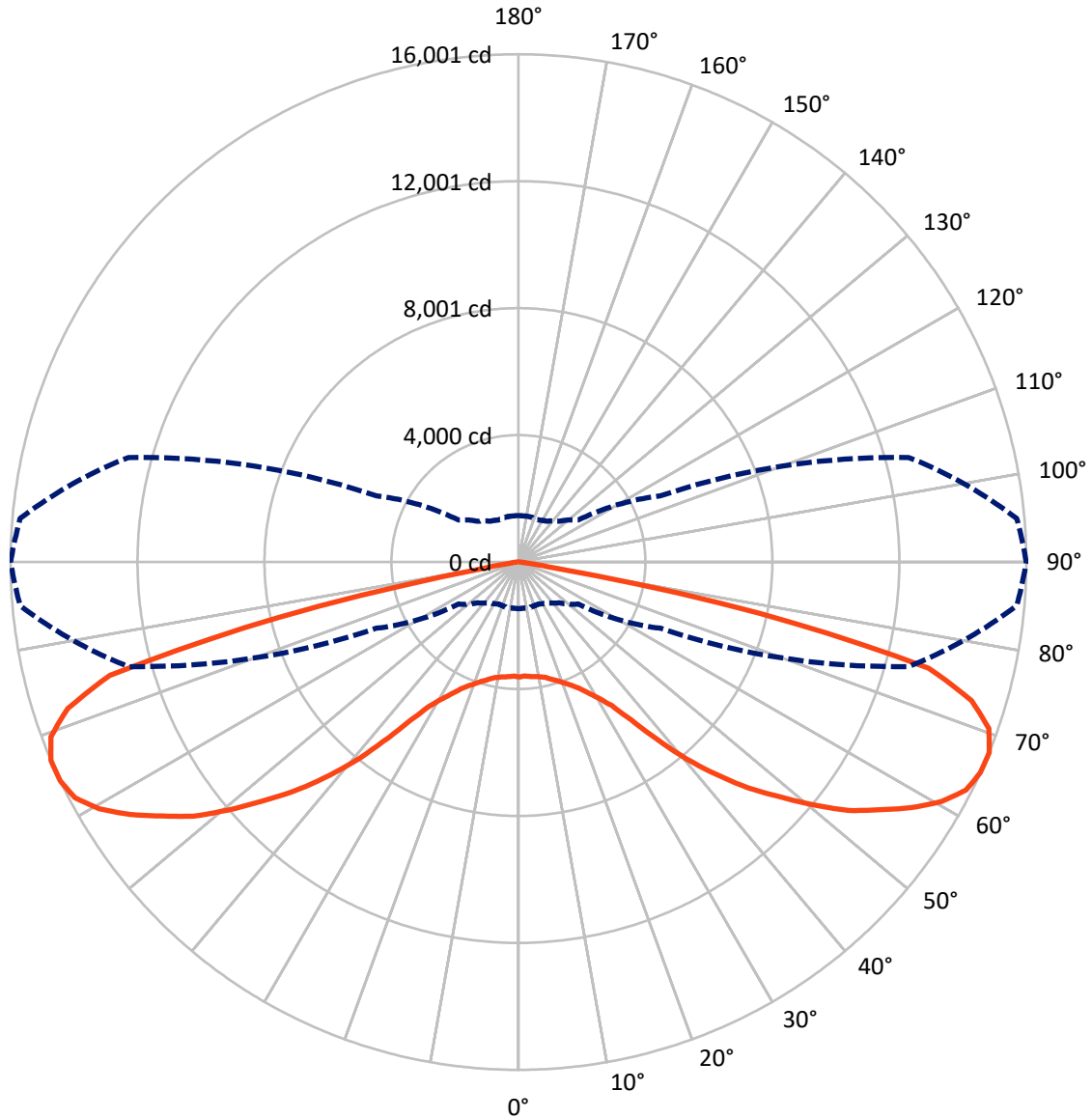
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type I - Short - N/A

REPORT NUMBER: P553519
CATALOG NUMBER: VERD-G-CA2-140-740-U-T1

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: VERD-G-CA2-140-740-U-T1

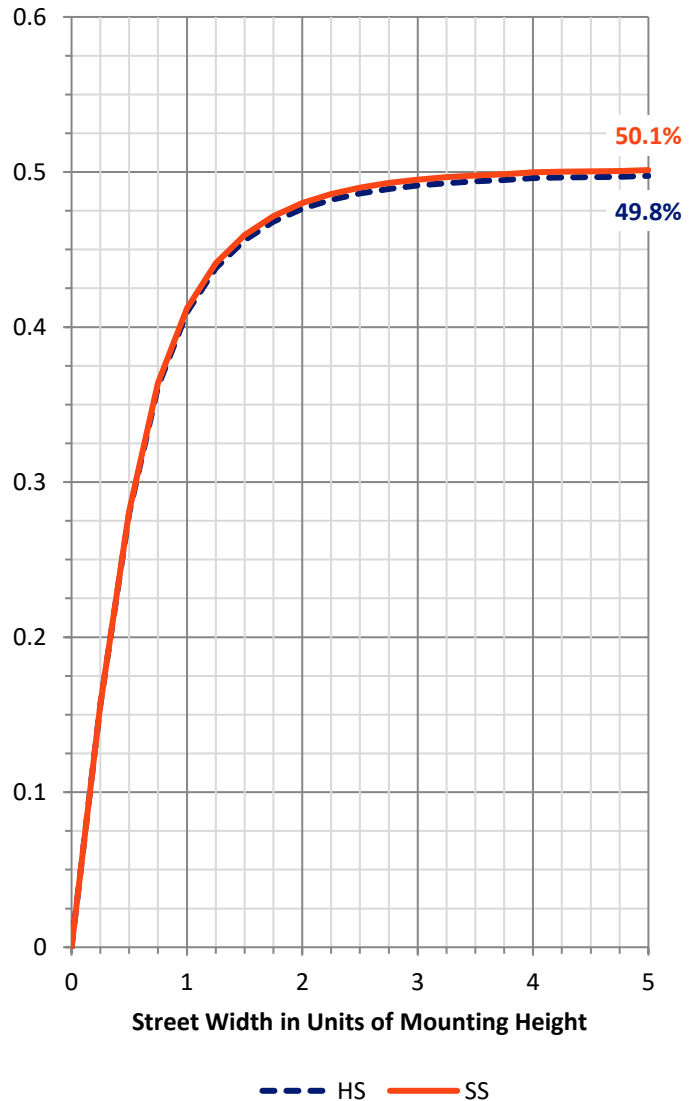
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10994.0	0.0	10994.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10994.0	0.0	10994.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21988.0	0.0	21988.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.0	1.6
10°-20°	1030.5	4.7
20°-30°	1696.6	7.7
30°-40°	2478.0	11.3
40°-50°	3615.4	16.4
50°-60°	4669.2	21.2
60°-70°	4975.3	22.6
70°-80°	3036.0	13.8
80°-90°	140.9	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°	21988.0	100.0
0°-180°	21988.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553519

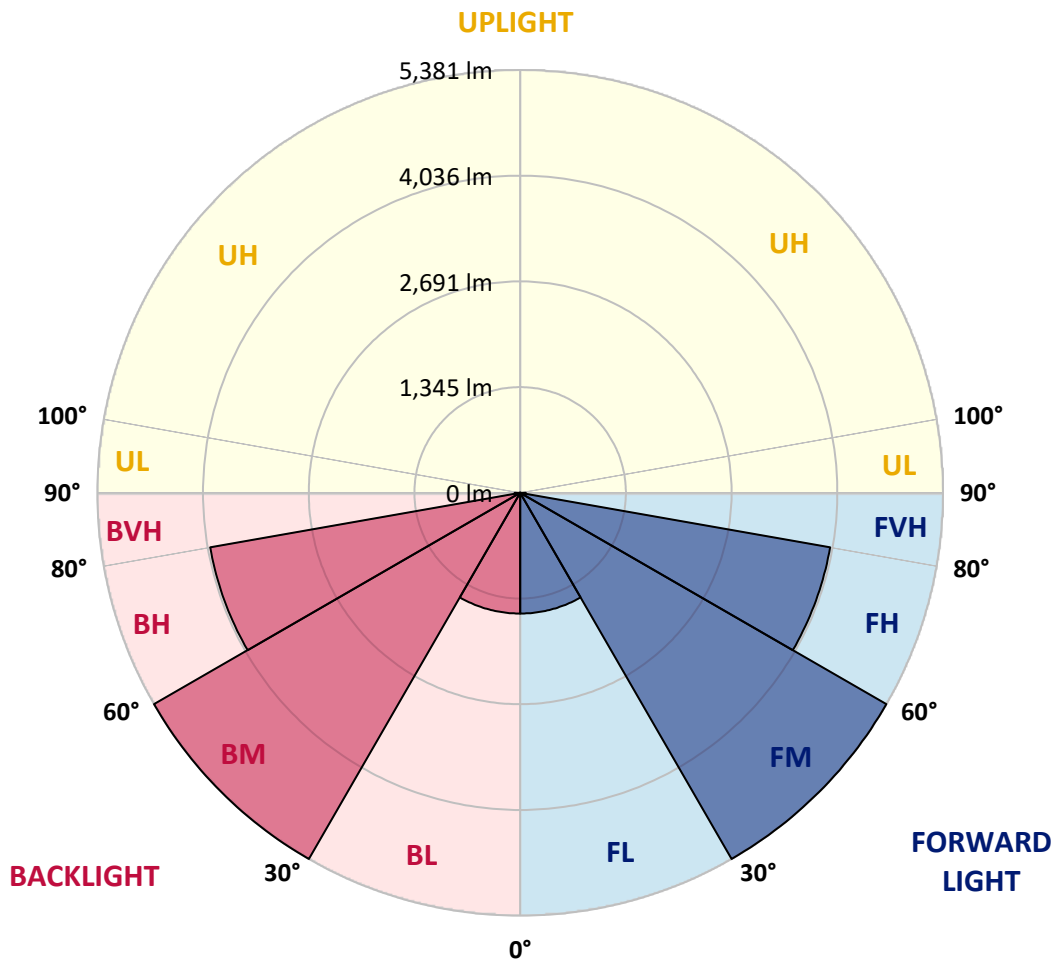
CATALOG NUMBER: VERD-G-CA2-140-740-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1536.6	7.0			
FM	(30°-60°)	5381.3	24.5			
FH	(60°-80°)	4005.7	18.2			G2/5000
FVH	(80°-90°)	70.5	0.3			G1/100
BL	(0°-30°)	1536.6	7.0	B3/2500		
BM	(30°-60°)	5381.3	24.5	B4/8500		
BH	(60°-80°)	4005.7	18.2	B4/5000		G4/5000
BVH	(80°-90°)	70.5	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





REPORT NUMBER: P553519

CATALOG NUMBER: VERD-G-CA2-140-740-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0
2.5°	3650.5	3658.6	3646.4	3631.5	3646.4	3627.4	3601.6	3603.0	3598.9	3603.0	3593.5
5°	3645.1	3645.1	3630.1	3604.3	3636.9	3654.6	3630.1	3620.6	3623.3	3628.8	3620.6
7.5°	3626.1	3616.6	3596.2	3598.9	3622.0	3613.8	3639.6	3650.5	3669.5	3660.0	3643.7
10°	3562.3	3584.0	3562.3	3554.1	3609.8	3603.0	3619.3	3645.1	3677.6	3670.8	3676.3
12.5°	3525.6	3540.6	3529.7	3520.2	3569.1	3620.6	3643.7	3677.6	3717.0	3722.4	3726.5
15°	3480.9	3498.5	3478.1	3486.3	3567.7	3634.2	3689.8	3742.8	3809.3	3817.4	3822.8
17.5°	3404.9	3425.2	3394.0	3445.6	3547.4	3645.1	3744.1	3825.5	3896.1	3923.3	3923.3
20°	3290.9	3305.8	3308.5	3357.4	3491.7	3650.5	3787.6	3900.2	3993.8	4045.4	4060.3
22.5°	3123.9	3142.9	3176.9	3267.8	3444.2	3634.2	3824.2	3981.6	4135.0	4185.2	4205.5
25°	2967.9	2978.7	3039.8	3179.6	3391.3	3632.8	3874.4	4102.4	4285.6	4388.7	4396.9
27.5°	2817.3	2821.3	2913.6	3075.1	3330.2	3645.1	3936.8	4236.7	4513.6	4627.6	4665.6
30°	2668.0	2680.2	2763.0	2969.2	3278.7	3639.6	3991.1	4381.9	4740.2	4935.6	4973.6
32.5°	2536.3	2555.3	2649.0	2848.5	3214.9	3643.7	4073.9	4576.0	5041.5	5368.5	5387.5
35°	2423.7	2438.6	2532.3	2734.5	3149.7	3658.6	4182.5	4827.1	5517.8	6000.9	6094.6
37.5°	2328.7	2340.9	2440.0	2624.6	3073.7	3655.9	4314.1	5124.3	6110.8	6903.4	7081.1
40°	2267.6	2281.2	2347.7	2529.6	2980.1	3636.9	4445.7	5497.4	6770.4	7961.9	8161.4
42.5°	2207.9	2224.2	2271.7	2441.3	2870.2	3586.7	4577.4	5844.9	7472.0	8962.0	9158.8
45°	2150.9	2156.4	2217.4	2358.6	2748.0	3517.5	4706.3	6155.6	8177.6	9952.7	10142.7
47.5°	2102.1	2102.1	2148.2	2283.9	2638.1	3413.0	4756.5	6465.0	8839.9	10923.0	11039.7
50°	2072.2	2057.3	2085.8	2193.0	2516.0	3242.0	4726.6	6707.9	9614.8	11853.9	12027.6
52.5°	1998.9	1993.5	2015.2	2117.0	2415.6	3075.1	4590.9	6828.7	10448.0	12655.9	13007.4
55°	1923.0	1921.6	1942.0	2026.1	2300.2	2872.9	4274.7	6864.0	11232.4	13542.1	13782.3
57.5°	1847.0	1836.1	1859.2	1943.3	2176.7	2699.2	3928.7	6698.4	11997.8	14399.8	14599.2
60°	1783.2	1775.0	1788.6	1851.0	2050.5	2480.7	3516.1	6465.0	12677.6	15087.8	15318.5
62.5°	1692.3	1693.6	1701.8	1745.2	1914.8	2274.4	3106.3	6052.5	13095.6	15604.8	15824.7
65°	1583.7	1579.6	1597.3	1617.6	1743.8	2049.2	2691.0	5455.4	13190.6	15854.5	15997.0
67.5°	1467.0	1461.6	1471.1	1462.9	1568.8	1815.7	2305.6	4932.9	12725.1	15760.9	16001.1
70°	1323.1	1323.1	1317.7	1289.2	1365.2	1532.1	1961.0	4482.4	11459.0	15462.3	15722.9
72.5°	1081.6	1084.3	1106.0	1085.6	1130.4	1239.0	1648.8	3968.0	9409.8	14520.5	14927.6
75°	665.0	665.0	682.6	755.9	882.1	941.8	1335.3	3328.9	7626.7	12418.4	13356.2
77.5°	342.0	344.7	354.2	378.6	401.7	462.8	750.5	2235.1	4837.9	7339.0	7759.7
80°	97.7	101.8	228.0	256.5	271.4	282.3	343.3	758.6	1236.3	1199.6	1133.1
82.5°	65.1	67.9	133.0	156.1	142.5	116.7	142.5	222.6	185.9	233.4	253.8
85°	33.9	36.6	55.6	61.1	61.1	70.6	65.1	66.5	74.6	142.5	158.8
87.5°	16.3	17.6	23.1	28.5	29.9	33.9	32.6	33.9	38.0	58.4	63.8
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)