

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: P553567

Luminaire Tested: **VERD-G-CA2-150-740-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553567
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-CA2-150-740-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1380mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23191 lumens
Efficiency: N/A
Efficacy: 152.4 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

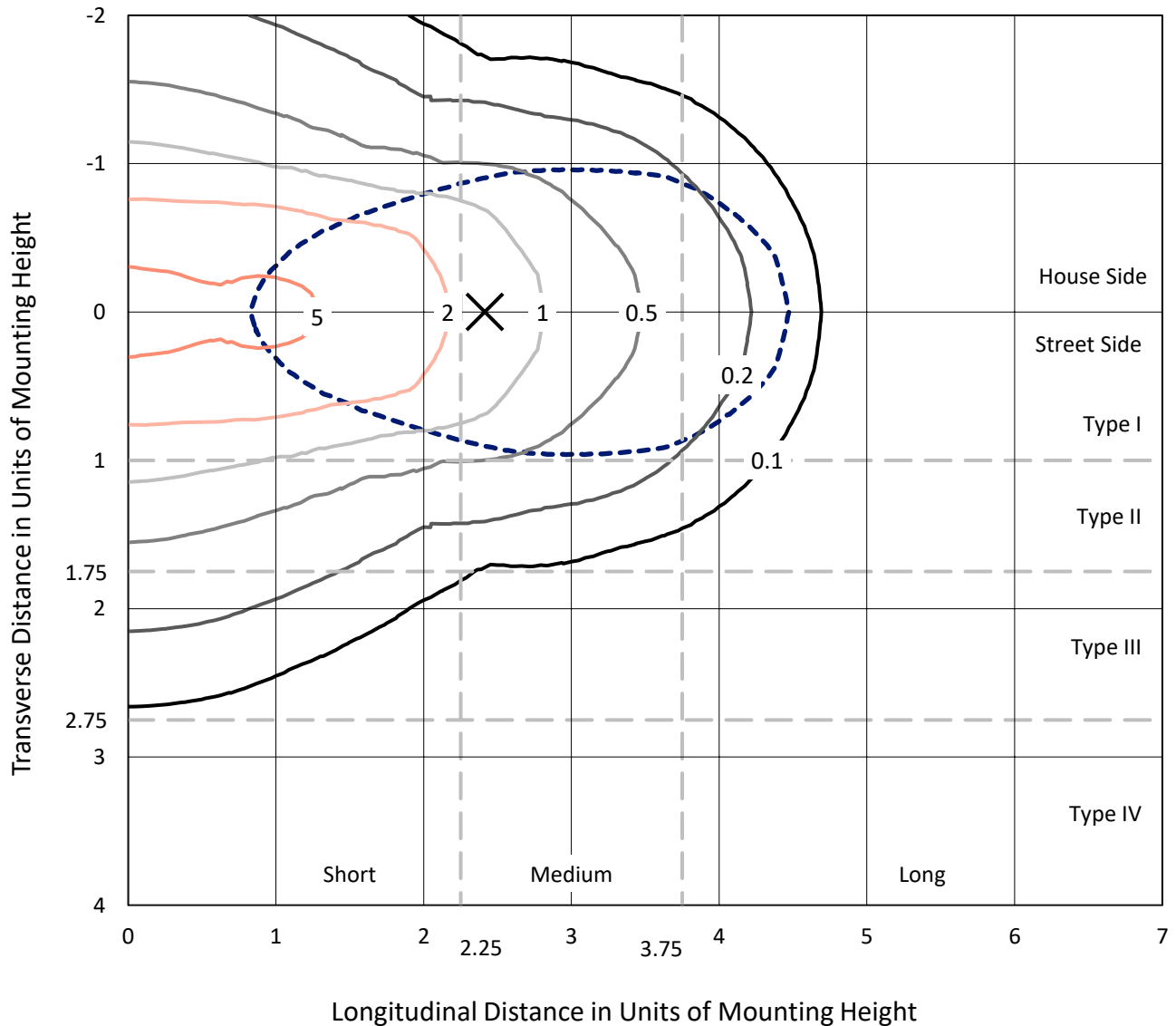
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

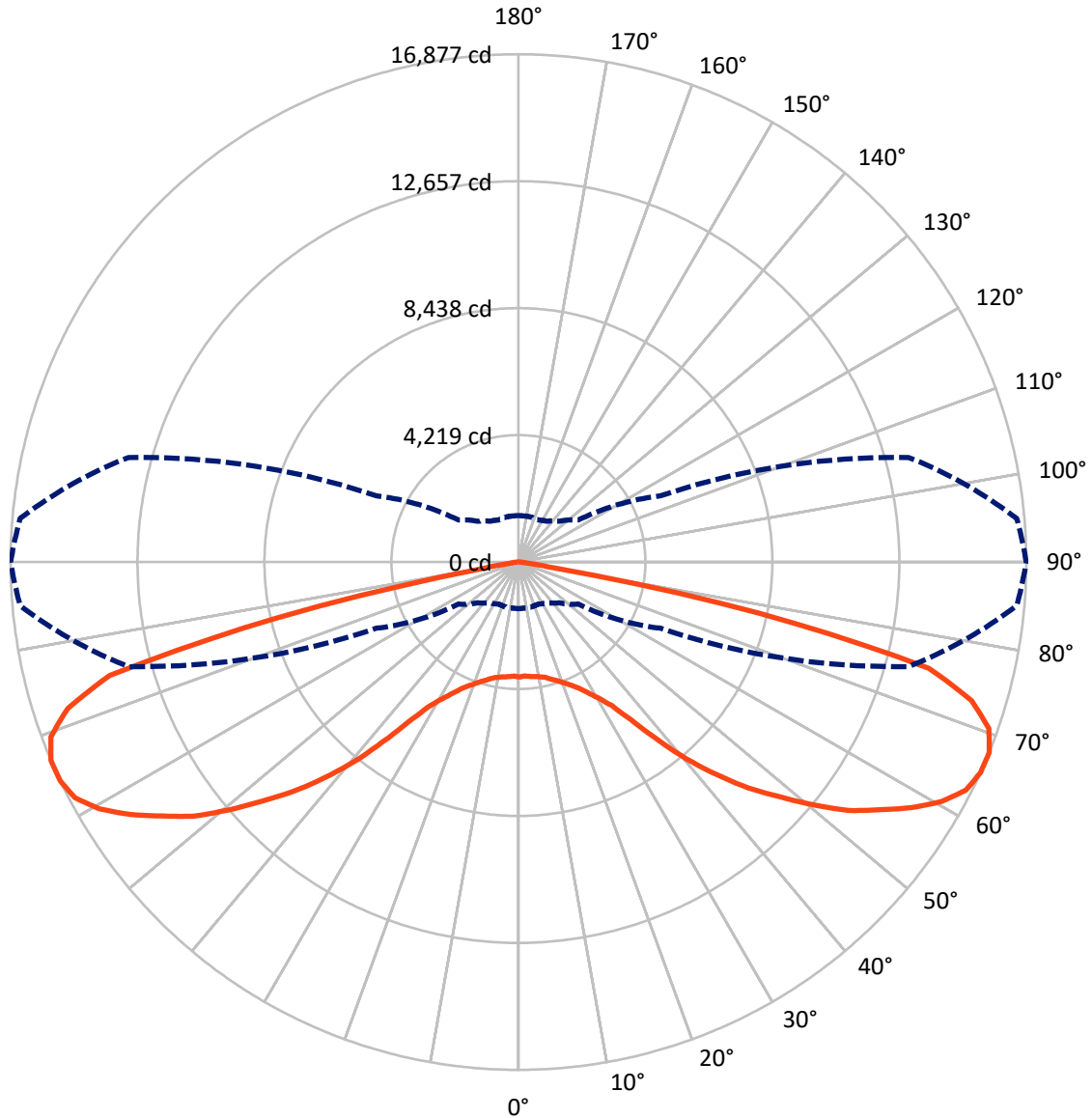
× Max cd
 - - - 1/2 Max cd



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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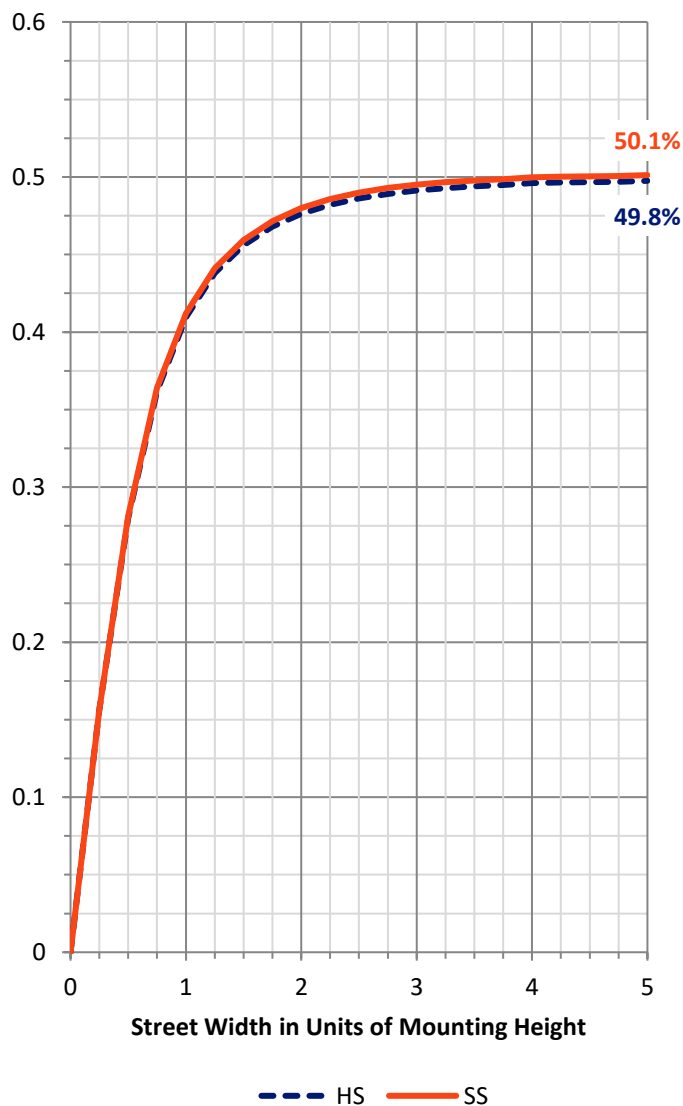
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11595.5	0.0	11595.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11595.5	0.0	11595.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23191.0	0.0	23191.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.0	1.6
10°-20°	1086.9	4.7
20°-30°	1789.4	7.7
30°-40°	2613.6	11.3
40°-50°	3813.2	16.4
50°-60°	4924.7	21.2
60°-70°	5247.5	22.6
70°-80°	3202.1	13.8
80°-90°	148.6	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°	23191.0	100.0
0°-180°	23191.0	100.0

Coefficient of Utilization



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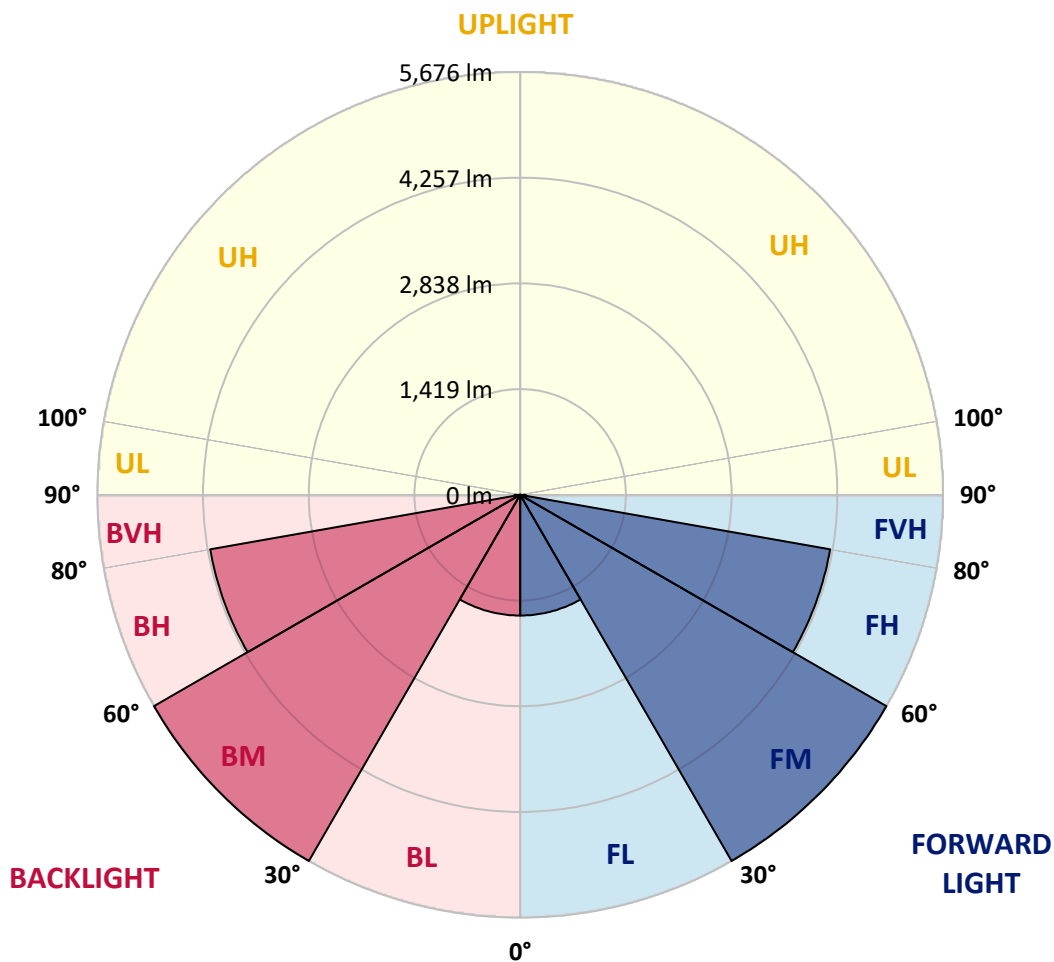
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1620.6	7.0			
FM (30°-60°)	5675.7	24.5			
FH (60°-80°)	4224.8	18.2			G2/5000
FVH (80°-90°)	74.3	0.3			G1/100
BL (0°-30°)	1620.6	7.0	B3/2500		
BM (30°-60°)	5675.7	24.5	B4/8500		
BH (60°-80°)	4224.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	74.3	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°	3820.2	3820.2	3820.2	3820.2	3820.2	3820.2	3820.2	3820.2	3820.2	3820.2	3820.2
2.5°	3850.2	3858.8	3845.9	3830.2	3845.9	3825.9	3798.7	3800.1	3795.8	3800.1	3790.1
5°	3844.5	3844.5	3828.7	3801.5	3835.9	3854.5	3828.7	3818.7	3821.6	3827.3	3818.7
7.5°	3824.4	3814.4	3793.0	3795.8	3820.2	3811.6	3838.8	3850.2	3870.3	3860.2	3843.1
10°	3757.2	3780.1	3757.2	3748.6	3807.3	3800.1	3817.3	3844.5	3878.8	3871.7	3877.4
12.5°	3718.5	3734.3	3722.8	3712.8	3764.3	3818.7	3843.1	3878.8	3920.3	3926.1	3930.4
15°	3671.3	3689.9	3668.4	3677.0	3762.9	3833.0	3891.7	3947.5	4017.7	4026.3	4032.0
17.5°	3591.1	3612.6	3579.7	3634.1	3741.4	3844.5	3949.0	4034.9	4109.3	4137.9	4137.9
20°	3470.9	3486.7	3489.5	3541.1	3682.8	3850.2	3994.8	4113.6	4212.3	4266.7	4282.5
22.5°	3294.9	3314.9	3350.7	3446.6	3632.7	3833.0	4033.4	4199.5	4361.2	4414.1	4435.6
25°	3130.3	3141.7	3206.1	3353.5	3576.8	3831.6	4086.4	4326.8	4520.1	4628.8	4637.4
27.5°	2971.4	2975.7	3073.0	3243.3	3512.4	3844.5	4152.2	4468.5	4760.5	4880.8	4920.8
30°	2813.9	2826.8	2914.1	3131.7	3458.0	3838.8	4209.5	4621.7	4999.6	5205.7	5245.7
32.5°	2675.1	2695.1	2793.9	3004.3	3390.8	3843.1	4296.8	4826.4	5317.3	5662.2	5682.3
35°	2556.3	2572.1	2670.8	2884.1	3322.1	3858.8	4411.3	5091.2	5819.7	6329.2	6428.0
37.5°	2456.1	2469.0	2573.5	2768.1	3241.9	3855.9	4550.1	5404.6	6445.2	7281.1	7468.6
40°	2391.7	2406.0	2476.2	2668.0	3143.1	3835.9	4689.0	5798.2	7140.8	8397.5	8607.9
42.5°	2328.7	2345.9	2396.0	2574.9	3027.2	3782.9	4827.8	6164.6	7880.8	9452.3	9659.9
45°	2268.6	2274.3	2338.8	2487.6	2898.4	3709.9	4963.8	6492.4	8625.0	10497.2	10697.6
47.5°	2217.1	2217.1	2265.8	2408.9	2782.5	3599.7	5016.7	6818.7	9323.5	11520.6	11643.7
50°	2185.6	2169.9	2199.9	2313.0	2653.6	3419.4	4985.2	7074.9	10140.8	12502.5	12685.7
52.5°	2108.3	2102.6	2125.5	2232.8	2547.7	3243.3	4842.1	7202.3	11019.6	13348.4	13719.1
55°	2028.2	2026.7	2048.2	2136.9	2426.1	3030.1	4508.6	7239.5	11846.9	14283.0	14536.3
57.5°	1948.0	1936.6	1960.9	2049.6	2295.8	2846.9	4143.6	7064.9	12654.2	15187.6	15398.0
60°	1880.7	1872.1	1886.5	1952.3	2162.7	2616.4	3708.5	6818.7	13371.3	15913.3	16156.6
62.5°	1784.8	1786.3	1794.9	1840.7	2019.6	2398.9	3276.3	6383.6	13812.1	16458.6	16690.5
65°	1670.3	1666.0	1684.6	1706.1	1839.2	2161.3	2838.3	5753.8	13912.3	16721.9	16872.2
67.5°	1547.2	1541.5	1551.5	1542.9	1654.6	1915.1	2431.8	5202.8	13421.4	16623.2	16876.5
70°	1395.5	1395.5	1389.8	1359.7	1439.9	1615.9	2068.2	4727.6	12085.9	16308.3	16583.1
72.5°	1140.8	1143.6	1166.5	1145.0	1192.3	1306.8	1739.0	4185.1	9924.7	15315.0	15744.4
75°	701.3	701.3	719.9	797.2	930.3	993.3	1408.4	3511.0	8043.9	13097.9	14086.9
77.5°	360.7	363.6	373.6	399.3	423.7	488.1	791.5	2357.4	5102.6	7740.5	8184.2
80°	103.1	107.3	240.5	270.5	286.3	297.7	362.1	800.1	1303.9	1265.3	1195.1
82.5°	68.7	71.6	140.3	164.6	150.3	123.1	150.3	234.7	196.1	246.2	267.7
85°	35.8	38.6	58.7	64.4	64.4	74.4	68.7	70.1	78.7	150.3	167.5
87.5°	17.2	18.6	24.3	30.1	31.5	35.8	34.4	35.8	40.1	61.5	67.3
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)