

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: P553615

Luminaire Tested: **VERD-G-CA2-160-740-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553615
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-CA2-160-740-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1460mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24382 lumens
Efficiency: N/A
Efficacy: 150.0 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

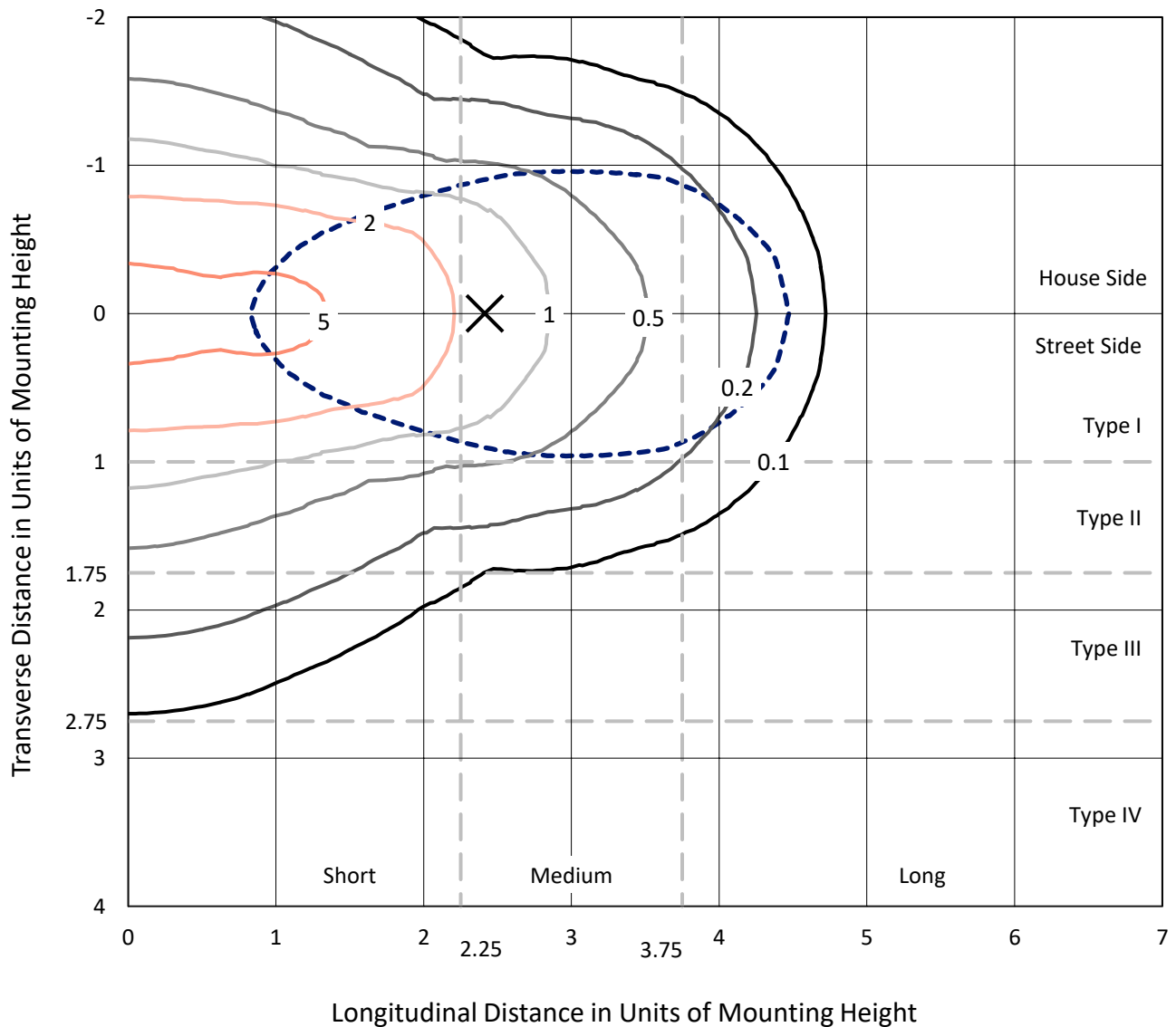
Input Watts (W): 162.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

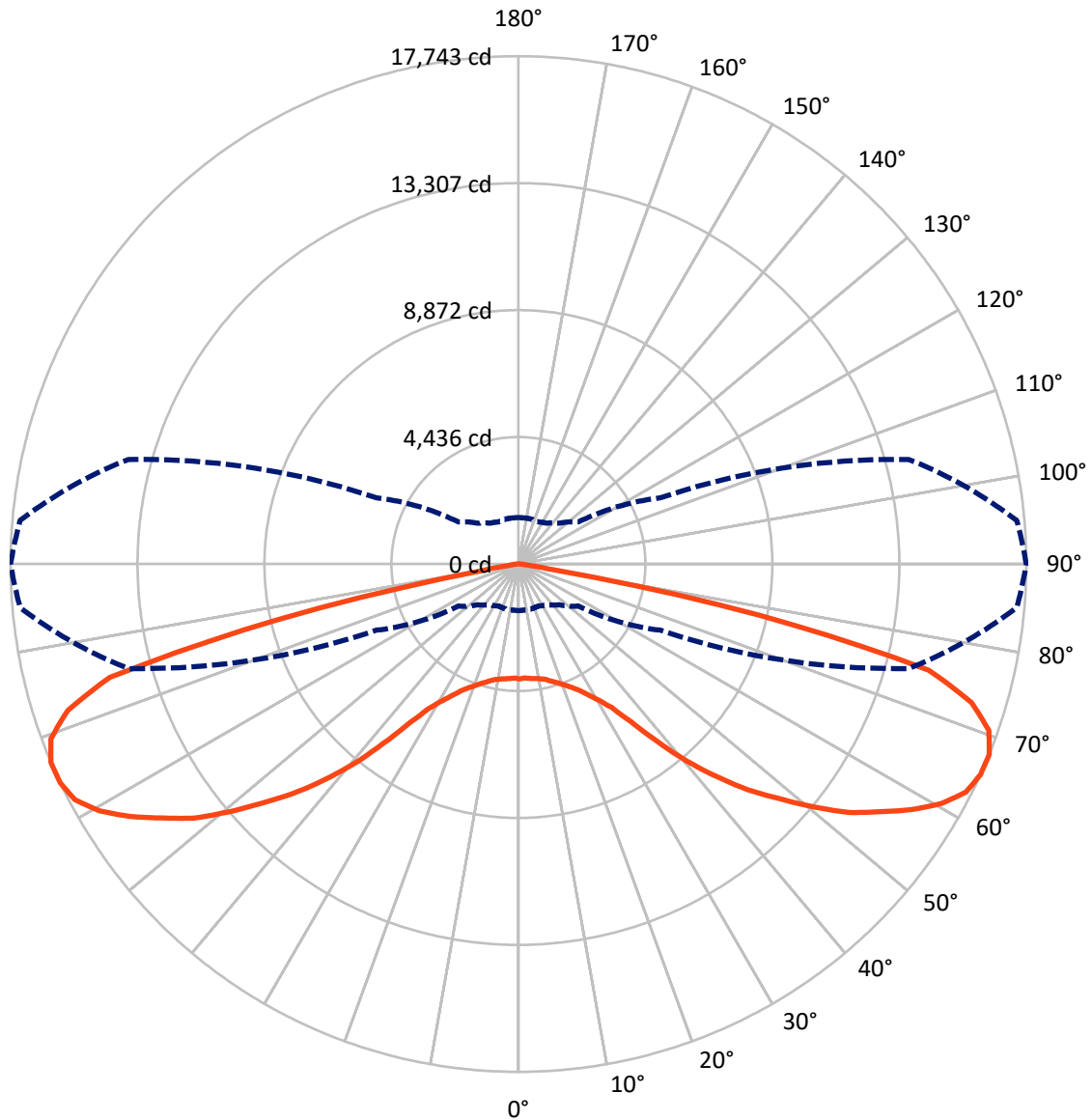
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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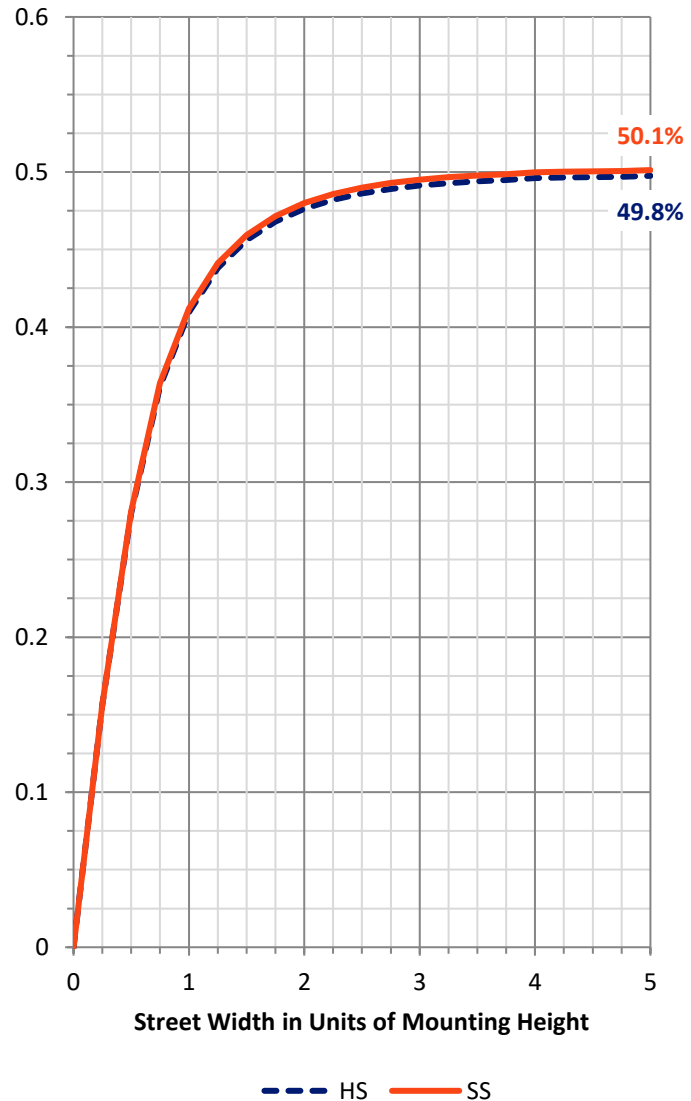
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12191.0	0.0	12191.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12191.0	0.0	12191.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24382.0	0.0	24382.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.7	1.6
10°-20°	1142.7	4.7
20°-30°	1881.3	7.7
30°-40°	2747.8	11.3
40°-50°	4009.0	16.4
50°-60°	5177.6	21.2
60°-70°	5517.0	22.6
70°-80°	3366.6	13.8
80°-90°	156.3	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°	24382.0	100.0
0°-180°	24382.0	100.0



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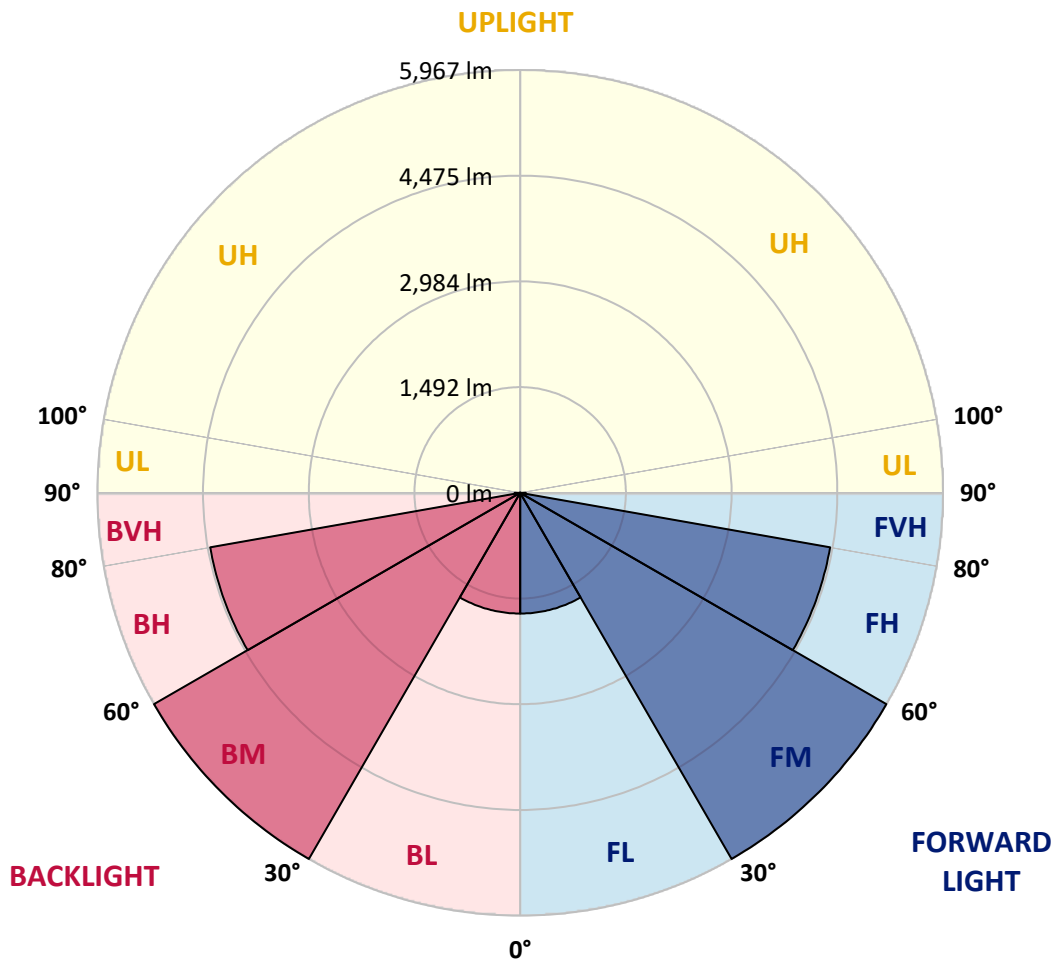
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1703.9	7.0			
FM (30°-60°)	5967.2	24.5			
FH (60°-80°)	4441.8	18.2			G2/5000
FVH (80°-90°)	78.1	0.3			G1/100
BL (0°-30°)	1703.9	7.0	B3/2500		
BM (30°-60°)	5967.2	24.5	B4/8500		
BH (60°-80°)	4441.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	78.1	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°	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3
2.5°	4047.9	4057.0	4043.4	4026.9	4043.4	4022.4	3993.8	3995.3	3990.8	3995.3	3984.7
5°	4041.9	4041.9	4025.4	3996.8	4032.9	4052.5	4025.4	4014.8	4017.8	4023.9	4014.8
7.5°	4020.9	4010.3	3987.8	3990.8	4016.3	4007.3	4035.9	4047.9	4069.0	4058.5	4040.4
10°	3950.1	3974.2	3950.1	3941.1	4002.8	3995.3	4013.3	4041.9	4078.0	4070.5	4076.5
12.5°	3909.5	3926.1	3914.0	3903.5	3957.7	4014.8	4040.4	4078.0	4121.7	4127.7	4132.2
15°	3859.8	3879.4	3856.8	3865.9	3956.2	4029.9	4091.6	4150.3	4224.0	4233.0	4239.1
17.5°	3775.6	3798.1	3763.5	3820.7	3933.6	4041.9	4151.8	4242.1	4320.3	4350.4	4350.4
20°	3649.2	3665.7	3668.7	3722.9	3871.9	4047.9	4199.9	4324.8	4428.7	4485.8	4502.4
22.5°	3464.1	3485.1	3522.8	3623.6	3819.2	4029.9	4240.6	4415.1	4585.2	4640.8	4663.4
25°	3291.0	3303.1	3370.8	3525.8	3760.5	4028.4	4296.2	4549.0	4752.2	4866.6	4875.6
27.5°	3124.0	3128.5	3230.8	3409.9	3692.8	4041.9	4365.5	4698.0	5005.0	5131.4	5173.5
30°	2958.5	2972.0	3063.8	3292.5	3635.6	4035.9	4425.7	4859.0	5256.3	5473.0	5515.1
32.5°	2812.5	2833.6	2937.4	3158.6	3564.9	4040.4	4517.4	5074.2	5590.4	5953.0	5974.1
35°	2687.6	2704.1	2808.0	3032.2	3492.7	4057.0	4637.8	5352.6	6118.6	6654.3	6758.1
37.5°	2582.3	2595.8	2705.7	2910.3	3408.4	4054.0	4783.8	5682.2	6776.2	7655.0	7852.1
40°	2514.5	2529.6	2603.3	2805.0	3304.6	4032.9	4929.8	6096.0	7507.5	8828.7	9049.9
42.5°	2448.3	2466.4	2519.1	2707.2	3182.7	3977.2	5075.7	6481.2	8285.5	9937.8	10156.0
45°	2385.1	2391.1	2458.9	2615.4	3047.2	3900.5	5218.7	6825.8	9068.0	11036.3	11247.0
47.5°	2331.0	2331.0	2382.1	2532.6	2925.4	3784.6	5274.4	7168.9	9802.3	12112.2	12241.6
50°	2297.8	2281.3	2312.9	2431.8	2789.9	3595.0	5241.3	7438.3	10661.6	13144.5	13337.2
52.5°	2216.6	2210.6	2234.6	2347.5	2678.6	3409.9	5090.8	7572.2	11585.5	14033.9	14423.6
55°	2132.3	2130.8	2153.4	2246.7	2550.7	3185.7	4740.2	7611.3	12455.3	15016.5	15282.9
57.5°	2048.0	2036.0	2061.6	2154.9	2413.7	2993.1	4356.4	7427.8	13304.0	15967.6	16188.8
60°	1977.3	1968.3	1983.3	2052.6	2273.8	2750.8	3899.0	7168.9	14058.0	16730.5	16986.3
62.5°	1876.5	1878.0	1887.0	1935.2	2123.3	2522.1	3444.5	6711.5	14521.4	17303.8	17547.6
65°	1756.1	1751.6	1771.2	1793.7	1933.7	2272.3	2984.0	6049.3	14626.8	17580.7	17738.7
67.5°	1626.7	1620.7	1631.2	1622.2	1739.6	2013.4	2556.7	5470.0	14110.6	17476.9	17743.2
70°	1467.2	1467.2	1461.2	1429.6	1513.8	1698.9	2174.5	4970.4	12706.6	17145.8	17434.8
72.5°	1199.3	1202.3	1226.4	1203.8	1253.5	1373.9	1828.3	4400.1	10434.4	16101.5	16552.9
75°	737.4	737.4	756.9	838.2	978.1	1044.3	1480.7	3691.3	8457.0	13770.5	14810.4
77.5°	379.2	382.2	392.8	419.8	445.4	513.1	832.2	2478.4	5364.7	8138.0	8604.5
80°	108.3	112.9	252.8	284.4	301.0	313.0	380.7	841.2	1370.9	1330.3	1256.5
82.5°	72.2	75.2	147.5	173.1	158.0	129.4	158.0	246.8	206.2	258.8	281.4
85°	37.6	40.6	61.7	67.7	67.7	78.3	72.2	73.7	82.8	158.0	176.1
87.5°	18.1	19.6	25.6	31.6	33.1	37.6	36.1	37.6	42.1	64.7	70.7
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)