

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: P553631

Luminaire Tested: **VERD-G-CA2-160-760-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553631
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-CA2-160-760-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1460mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24303 lumens
Efficiency: N/A
Efficacy: 149.5 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

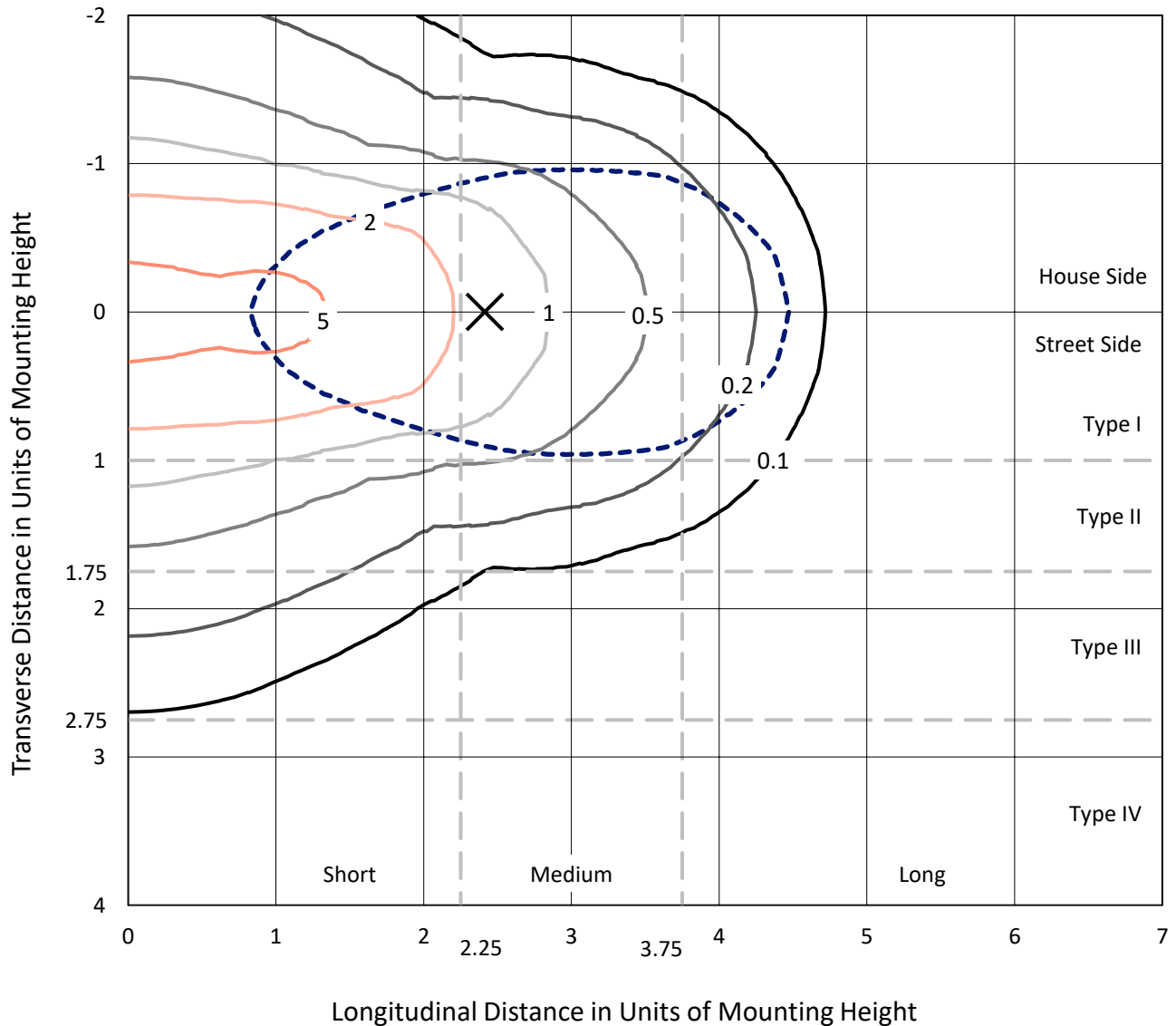
Input Watts (W): 162.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

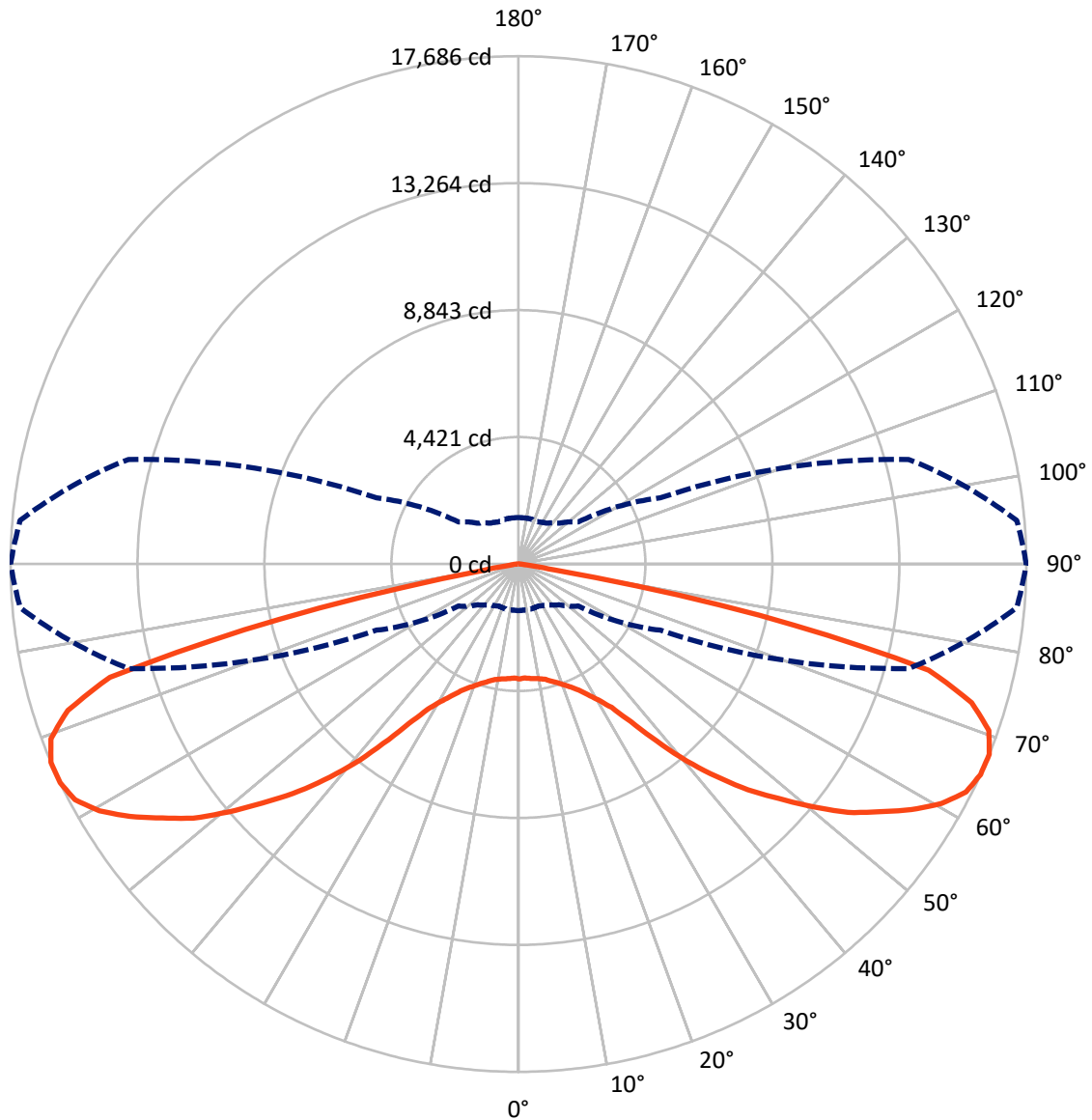
× Max cd
 - - - 1/2 Max cd



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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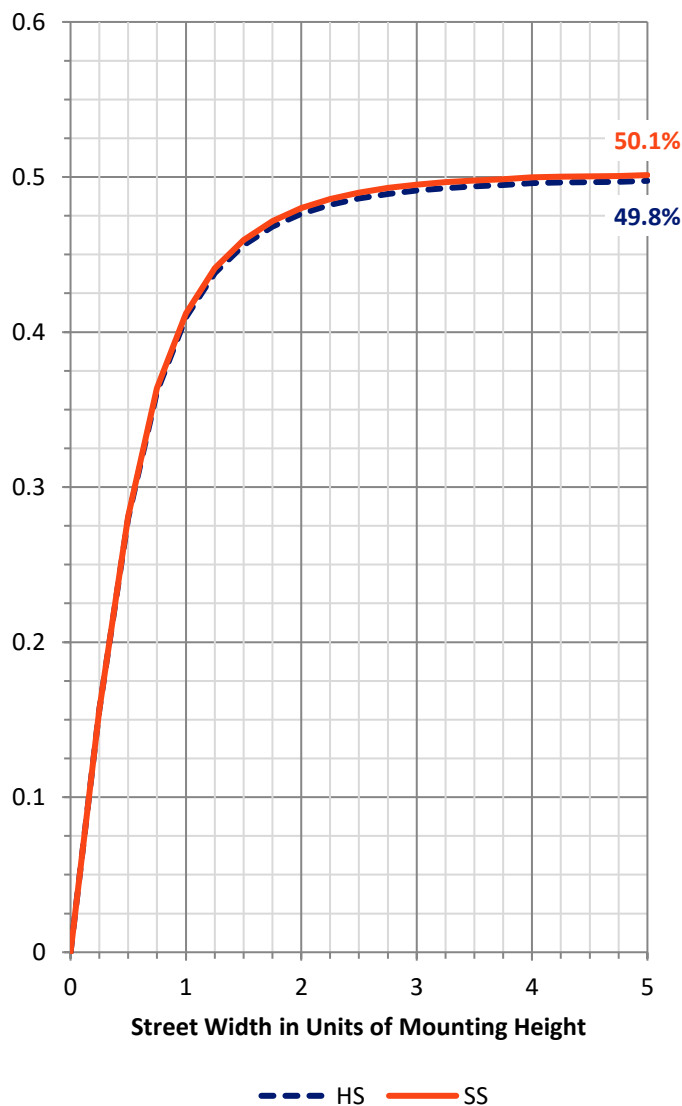
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12151.5	0.0	12151.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12151.5	0.0	12151.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24303.0	0.0	24303.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.5	1.6
10°-20°	1139.0	4.7
20°-30°	1875.2	7.7
30°-40°	2738.9	11.3
40°-50°	3996.0	16.4
50°-60°	5160.8	21.2
60°-70°	5499.1	22.6
70°-80°	3355.7	13.8
80°-90°	155.8	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°	24303.0	100.0
0°-180°	24303.0	100.0

Coefficient of Utilization



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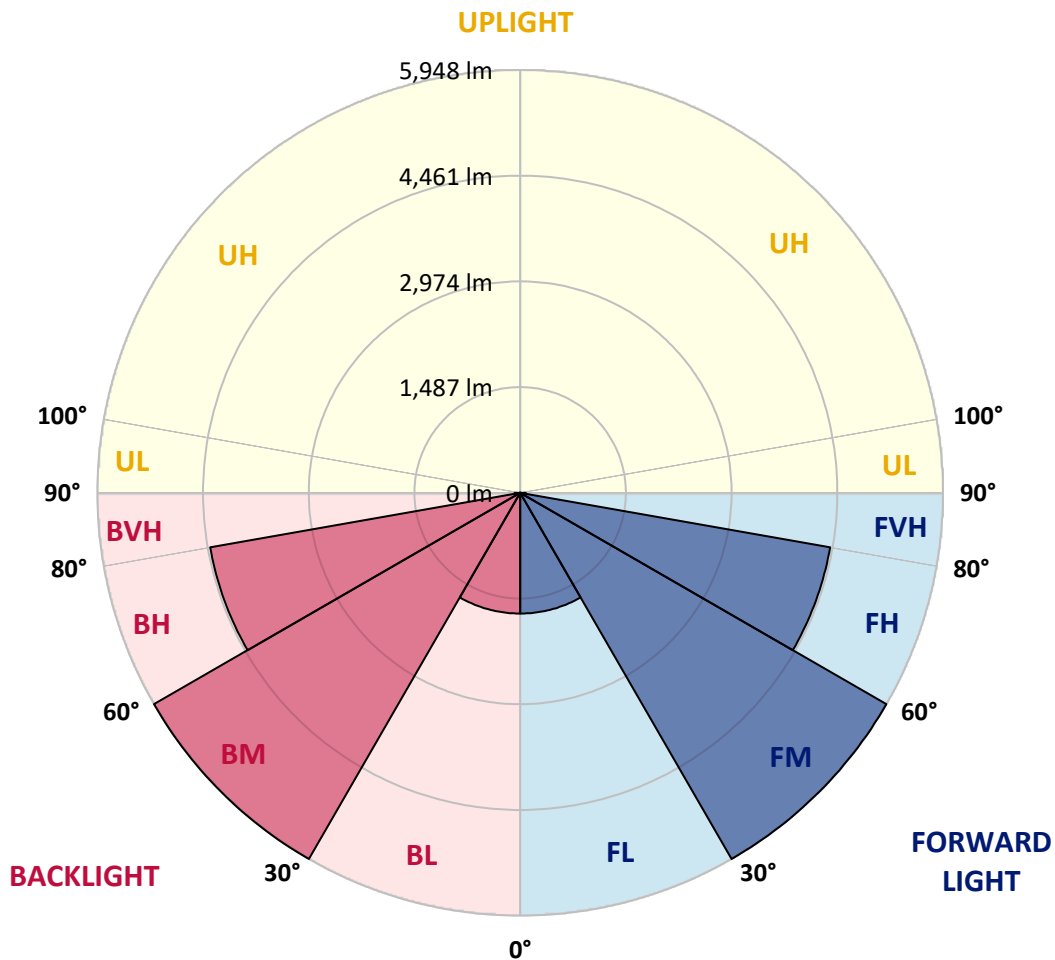
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1698.3	7.0			
FM (30°-60°)	5947.9	24.5			
FH (60°-80°)	4427.4	18.2			G2/5000
FVH (80°-90°)	77.9	0.3			G1/100
BL (0°-30°)	1698.3	7.0	B3/2500		
BM (30°-60°)	5947.9	24.5	B4/8500		
BH (60°-80°)	4427.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	77.9	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°	4003.3	4003.3	4003.3	4003.3	4003.3	4003.3	4003.3	4003.3	4003.3	4003.3	4003.3
2.5°	4034.8	4043.8	4030.3	4013.8	4030.3	4009.3	3980.8	3982.3	3977.8	3982.3	3971.8
5°	4028.8	4028.8	4012.3	3983.8	4019.8	4039.3	4012.3	4001.8	4004.8	4010.8	4001.8
7.5°	4007.8	3997.3	3974.8	3977.8	4003.3	3994.3	4022.8	4034.8	4055.8	4045.3	4027.3
10°	3937.3	3961.3	3937.3	3928.3	3989.8	3982.3	4000.3	4028.8	4064.8	4057.3	4063.3
12.5°	3896.8	3913.3	3901.3	3890.8	3944.8	4001.8	4027.3	4064.8	4108.3	4114.3	4118.8
15°	3847.3	3866.8	3844.3	3853.3	3943.3	4016.8	4078.3	4136.8	4210.3	4219.3	4225.3
17.5°	3763.3	3785.8	3751.3	3808.3	3920.8	4028.8	4138.3	4228.3	4306.3	4336.3	4336.3
20°	3637.3	3653.8	3656.8	3710.8	3859.3	4034.8	4186.3	4310.8	4414.3	4471.3	4487.8
22.5°	3452.9	3473.9	3511.4	3611.8	3806.8	4016.8	4226.8	4400.8	4570.3	4625.8	4648.3
25°	3280.4	3292.4	3359.9	3514.4	3748.3	4015.3	4282.3	4534.3	4736.8	4850.8	4859.8
27.5°	3113.9	3118.4	3220.4	3398.9	3680.8	4028.8	4351.3	4682.8	4988.8	5114.8	5156.8
30°	2948.9	2962.4	3053.9	3281.9	3623.8	4022.8	4411.3	4843.3	5239.3	5455.3	5497.3
32.5°	2803.4	2824.4	2927.9	3148.4	3553.3	4027.3	4502.8	5057.8	5572.3	5933.7	5954.7
35°	2678.9	2695.4	2798.9	3022.4	3481.4	4043.8	4622.8	5335.3	6098.7	6632.7	6736.2
37.5°	2573.9	2587.4	2696.9	2900.9	3397.4	4040.8	4768.3	5663.8	6754.2	7630.2	7826.7
40°	2506.4	2521.4	2594.9	2795.9	3293.9	4019.8	4913.8	6076.2	7483.2	8800.1	9020.6
42.5°	2440.4	2458.4	2510.9	2698.4	3172.4	3964.3	5059.3	6460.2	8258.7	9905.6	10123.1
45°	2377.4	2383.4	2450.9	2606.9	3037.4	3887.8	5201.8	6803.7	9038.6	11000.5	11210.5
47.5°	2323.4	2323.4	2374.4	2524.4	2915.9	3772.3	5257.3	7145.7	9770.6	12073.0	12202.0
50°	2290.4	2273.9	2305.4	2423.9	2780.9	3583.3	5224.3	7414.2	10627.1	13101.9	13293.9
52.5°	2209.4	2203.4	2227.4	2339.9	2669.9	3398.9	5074.3	7547.7	11548.0	13988.4	14376.9
55°	2125.4	2123.9	2146.4	2239.4	2542.4	3175.4	4724.8	7586.7	12415.0	14967.9	15233.4
57.5°	2041.4	2029.4	2054.9	2147.9	2405.9	2983.4	4342.3	7403.7	13260.9	15915.8	16136.3
60°	1970.9	1961.9	1976.9	2045.9	2266.4	2741.9	3886.3	7145.7	14012.4	16676.3	16931.3
62.5°	1870.4	1871.9	1880.9	1928.9	2116.4	2513.9	3433.4	6689.7	14474.4	17247.8	17490.8
65°	1750.4	1745.9	1765.4	1787.9	1927.4	2264.9	2974.4	6029.7	14579.4	17523.8	17681.3
67.5°	1621.4	1615.4	1625.9	1616.9	1733.9	2006.9	2548.4	5452.3	14064.9	17420.3	17685.8
70°	1462.4	1462.4	1456.4	1424.9	1508.9	1693.4	2167.4	4954.3	12665.5	17090.3	17378.3
72.5°	1195.4	1198.4	1222.4	1199.9	1249.4	1369.4	1822.4	4385.8	10400.6	16049.3	16499.3
75°	735.0	735.0	754.5	835.5	975.0	1041.0	1475.9	3679.3	8429.6	13725.9	14762.4
77.5°	378.0	381.0	391.5	418.5	444.0	511.5	829.5	2470.4	5347.3	8111.7	8576.6
80°	108.0	112.5	252.0	283.5	300.0	312.0	379.5	838.5	1366.4	1325.9	1252.4
82.5°	72.0	75.0	147.0	172.5	157.5	129.0	157.5	246.0	205.5	258.0	280.5
85°	37.5	40.5	61.5	67.5	67.5	78.0	72.0	73.5	82.5	157.5	175.5
87.5°	18.0	19.5	25.5	31.5	33.0	37.5	36.0	37.5	42.0	64.5	70.5
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)