

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: P553575

Luminaire Tested: **VERD-G-CA2-150-750-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553575
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-CA2-150-750-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1380mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23616 lumens
Efficiency: N/A
Efficacy: 155.2 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

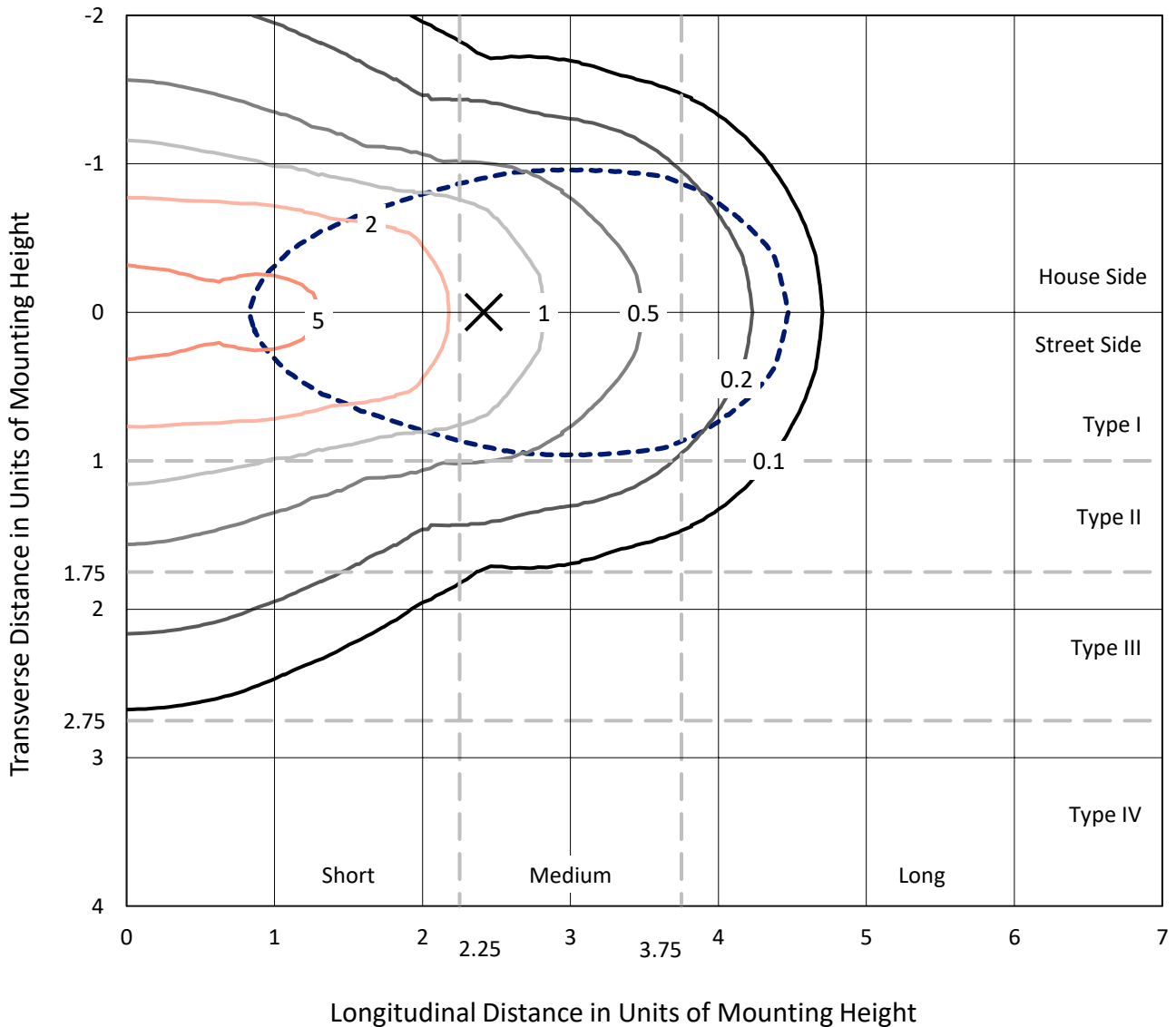
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

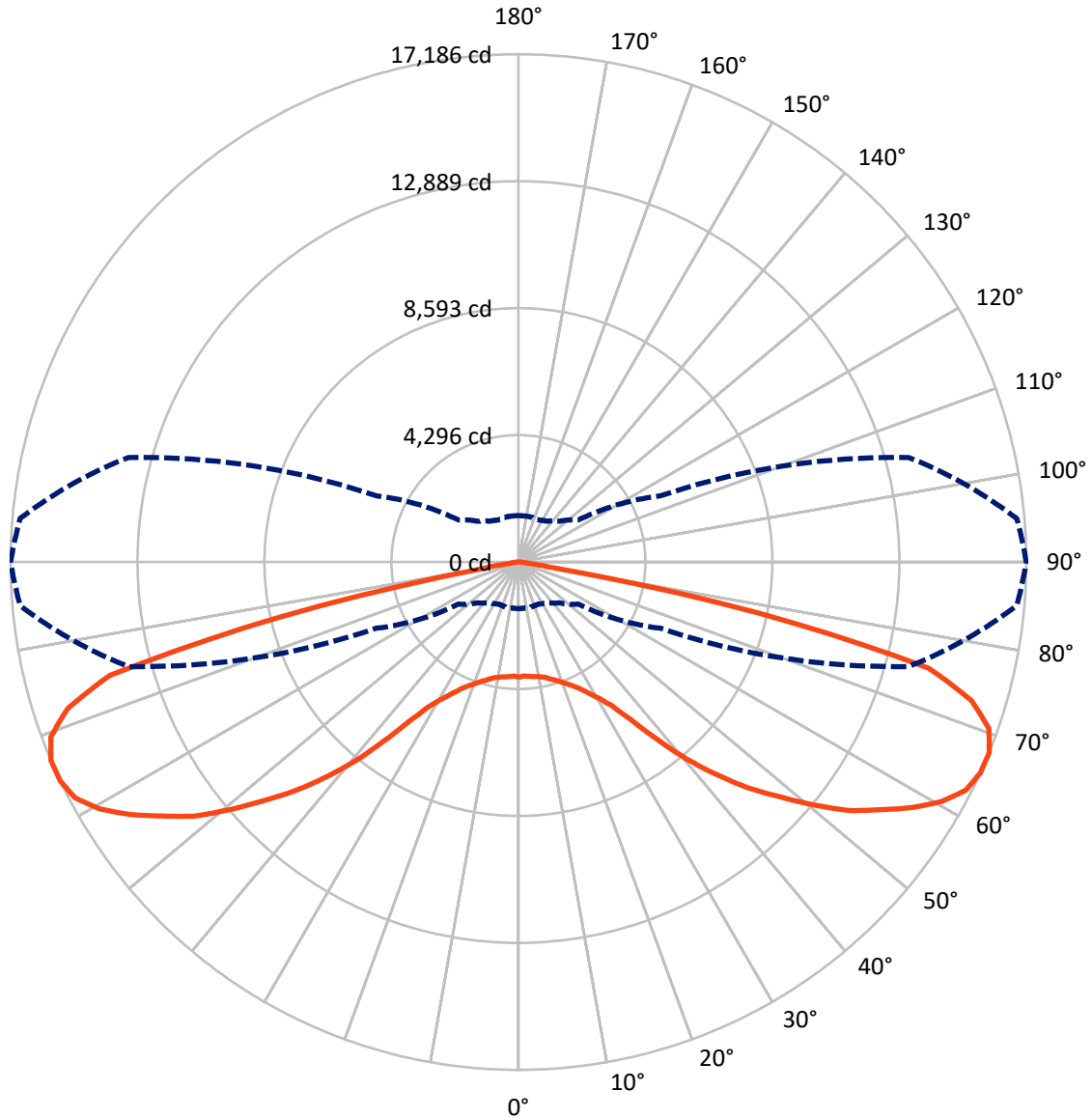
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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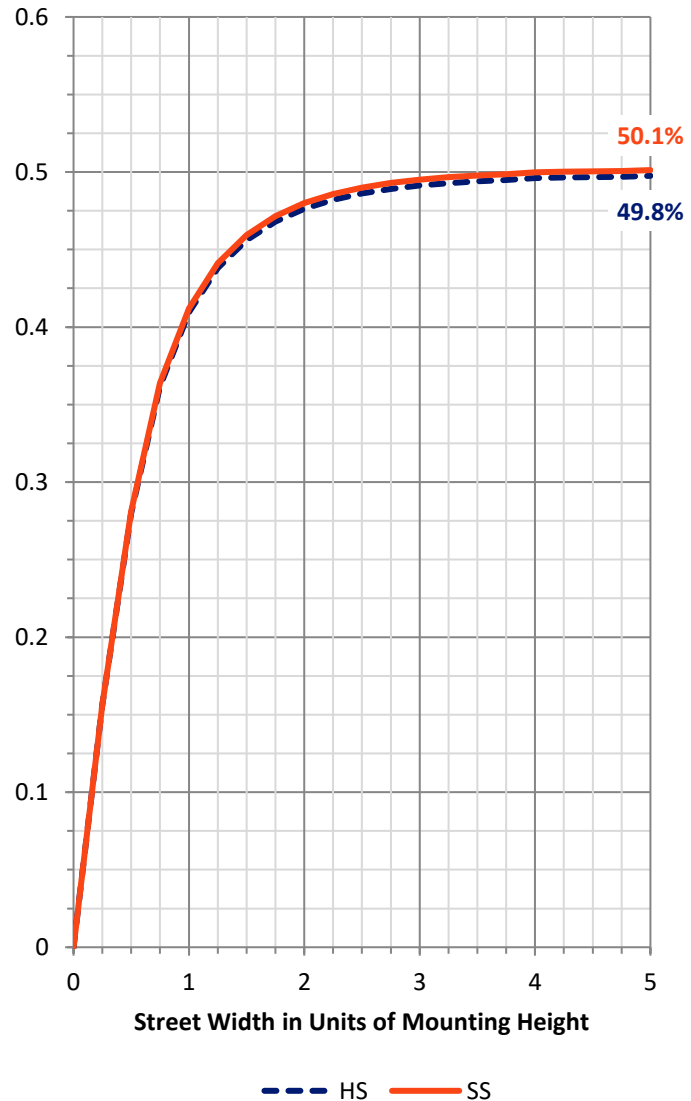
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11808.0	0.0	11808.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11808.0	0.0	11808.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23616.0	0.0	23616.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.7	1.6
10°-20°	1106.8	4.7
20°-30°	1822.2	7.7
30°-40°	2661.5	11.3
40°-50°	3883.1	16.4
50°-60°	5014.9	21.2
60°-70°	5343.7	22.6
70°-80°	3260.8	13.8
80°-90°	151.4	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°	23616.0	100.0
0°-180°	23616.0	100.0



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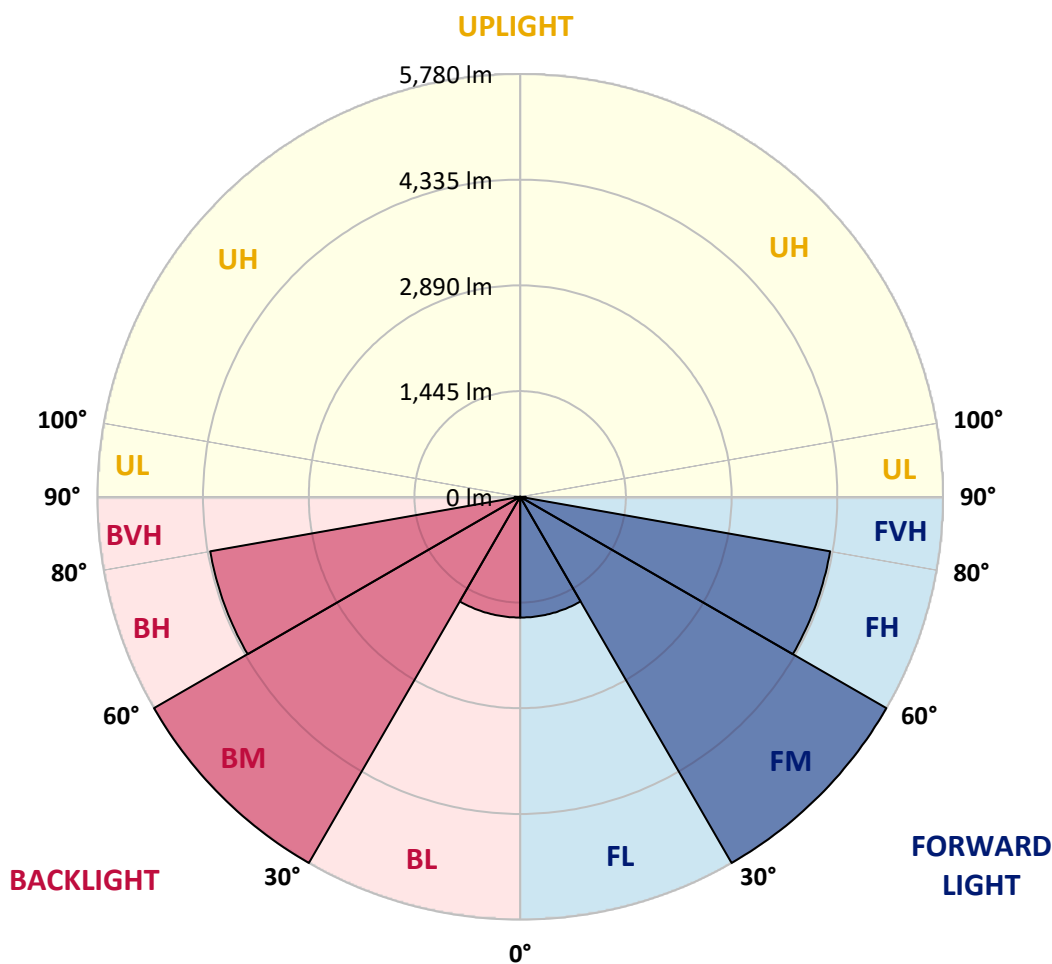
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1650.3	7.0			
FM (30°-60°)	5779.7	24.5			
FH (60°-80°)	4302.2	18.2			G2/5000
FVH (80°-90°)	75.7	0.3			G1/100
BL (0°-30°)	1650.3	7.0	B3/2500		
BM (30°-60°)	5779.7	24.5	B4/8500		
BH (60°-80°)	4302.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	75.7	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°	3890.2	3890.2	3890.2	3890.2	3890.2	3890.2	3890.2	3890.2	3890.2	3890.2	3890.2
2.5°	3920.8	3929.5	3916.4	3900.4	3916.4	3896.0	3868.3	3869.8	3865.4	3869.8	3859.6
5°	3914.9	3914.9	3898.9	3871.2	3906.2	3925.1	3898.9	3888.7	3891.6	3897.5	3888.7
7.5°	3894.5	3884.3	3862.5	3865.4	3890.2	3881.4	3909.1	3920.8	3941.2	3931.0	3913.5
10°	3826.0	3849.4	3826.0	3817.3	3877.0	3869.8	3887.2	3914.9	3949.9	3942.6	3948.5
12.5°	3786.7	3802.7	3791.1	3780.8	3833.3	3888.7	3913.5	3949.9	3992.2	3998.0	4002.4
15°	3738.6	3757.5	3735.7	3744.4	3831.9	3903.3	3963.0	4019.9	4091.3	4100.0	4105.9
17.5°	3657.0	3678.8	3645.3	3700.7	3810.0	3914.9	4021.3	4108.8	4184.6	4213.7	4213.7
20°	3534.5	3550.6	3553.5	3605.9	3750.2	3920.8	4068.0	4189.0	4289.5	4344.9	4360.9
22.5°	3355.2	3375.7	3412.1	3509.7	3699.2	3903.3	4107.3	4276.4	4441.1	4495.0	4516.9
25°	3187.6	3199.3	3264.9	3415.0	3642.4	3901.8	4161.3	4406.1	4602.9	4713.7	4722.4
27.5°	3025.8	3030.2	3129.3	3302.8	3576.8	3914.9	4228.3	4550.4	4847.8	4970.2	5011.0
30°	2865.5	2878.6	2967.5	3189.1	3521.4	3909.1	4286.6	4706.4	5091.2	5301.1	5341.9
32.5°	2724.1	2744.5	2845.1	3059.4	3452.9	3913.5	4375.5	4914.8	5414.7	5766.0	5786.4
35°	2603.2	2619.2	2719.8	2936.9	3382.9	3929.5	4492.1	5184.5	5926.3	6445.2	6545.8
37.5°	2501.1	2514.2	2620.6	2818.9	3301.3	3926.6	4633.5	5503.7	6563.3	7414.5	7605.4
40°	2435.5	2450.1	2521.5	2716.8	3200.7	3906.2	4774.9	5904.5	7271.6	8551.4	8765.6
42.5°	2371.4	2388.9	2439.9	2622.1	3082.7	3852.3	4916.3	6277.6	8025.2	9625.6	9836.9
45°	2310.2	2316.0	2381.6	2533.2	2951.5	3777.9	5054.7	6611.4	8783.1	10689.6	10893.6
47.5°	2257.7	2257.7	2307.3	2453.0	2833.5	3665.7	5108.7	6943.7	9494.4	11731.7	11857.1
50°	2225.7	2209.6	2240.2	2355.4	2702.3	3482.1	5076.6	7204.6	10326.6	12731.6	12918.1
52.5°	2147.0	2141.1	2164.4	2273.8	2594.4	3302.8	4930.8	7334.3	11221.6	13593.0	13970.5
55°	2065.3	2063.9	2085.7	2176.1	2470.5	3085.6	4591.2	7372.2	12064.0	14544.8	14802.7
57.5°	1983.7	1972.0	1996.8	2087.2	2337.9	2899.0	4219.6	7194.4	12886.1	15465.9	15680.2
60°	1915.2	1906.5	1921.0	1988.1	2202.3	2664.4	3776.5	6943.7	13616.3	16204.9	16452.7
62.5°	1817.5	1819.0	1827.8	1874.4	2056.6	2442.8	3336.3	6500.6	14065.2	16760.2	16996.3
65°	1700.9	1696.6	1715.5	1737.4	1872.9	2200.9	2890.3	5859.3	14167.3	17028.4	17181.4
67.5°	1575.6	1569.8	1580.0	1571.2	1684.9	1950.2	2476.4	5298.1	13667.3	16927.8	17185.8
70°	1421.1	1421.1	1415.3	1384.7	1466.3	1645.6	2106.1	4814.2	12307.4	16607.2	16887.0
72.5°	1161.7	1164.6	1187.9	1166.0	1214.1	1330.7	1770.9	4261.8	10106.6	15595.6	16032.9
75°	714.2	714.2	733.1	811.8	947.4	1011.5	1434.2	3575.3	8191.4	13337.9	14345.1
77.5°	367.3	370.2	380.4	406.7	431.4	497.0	806.0	2400.6	5196.1	7882.4	8334.2
80°	104.9	109.3	244.9	275.5	291.5	303.2	368.8	814.8	1327.8	1288.5	1217.0
82.5°	70.0	72.9	142.8	167.6	153.0	125.3	153.0	239.0	199.7	250.7	272.6
85°	36.4	39.4	59.8	65.6	65.6	75.8	70.0	71.4	80.2	153.0	170.5
87.5°	17.5	18.9	24.8	30.6	32.1	36.4	35.0	36.4	40.8	62.7	68.5
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)