

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: P510115

Luminaire Tested: **VERD-M-CA4-210-727-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-181-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-M-CA4-210-727-U-T1
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 2700K, 960mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27054 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

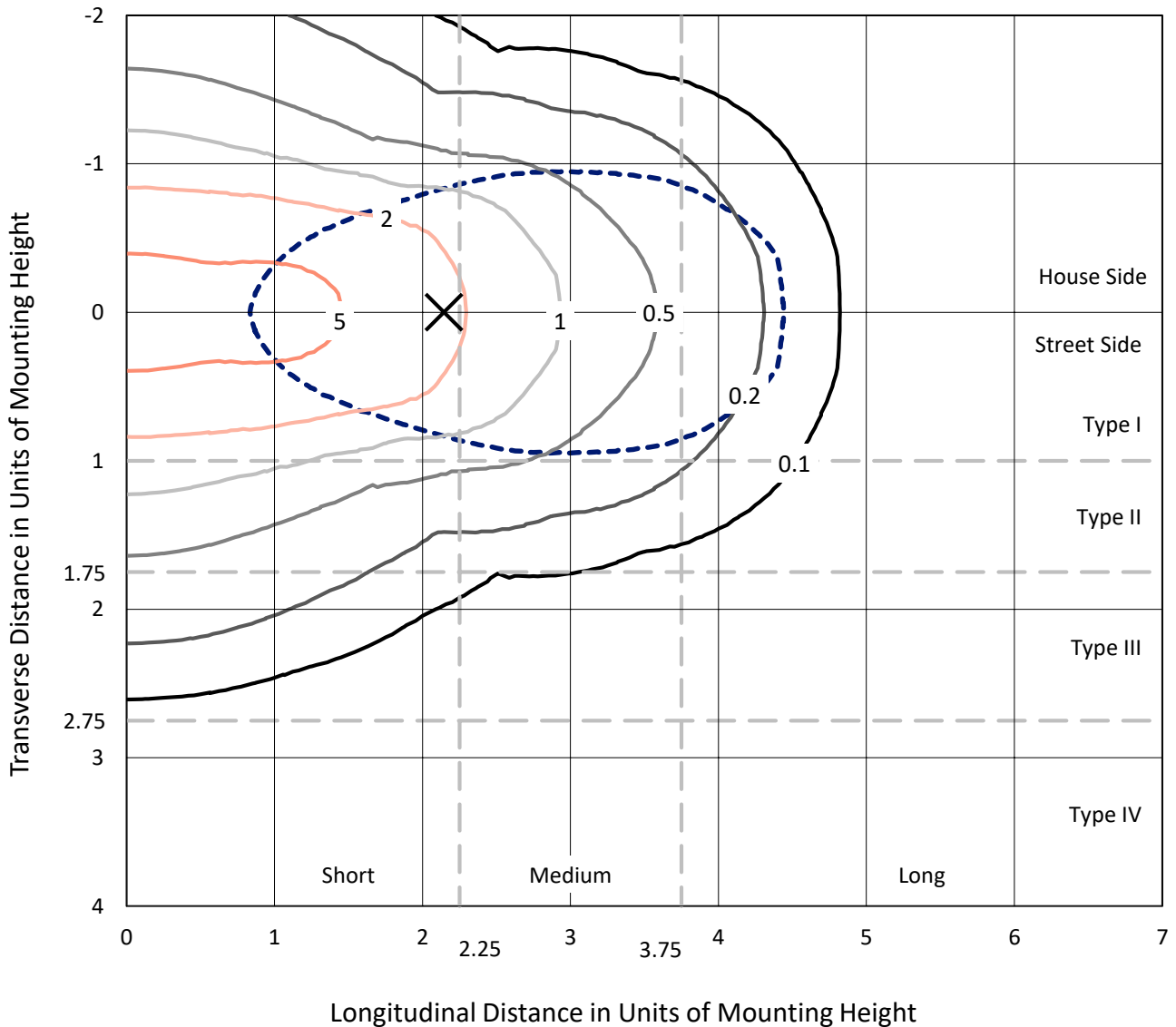
Input Watts (W): 213.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

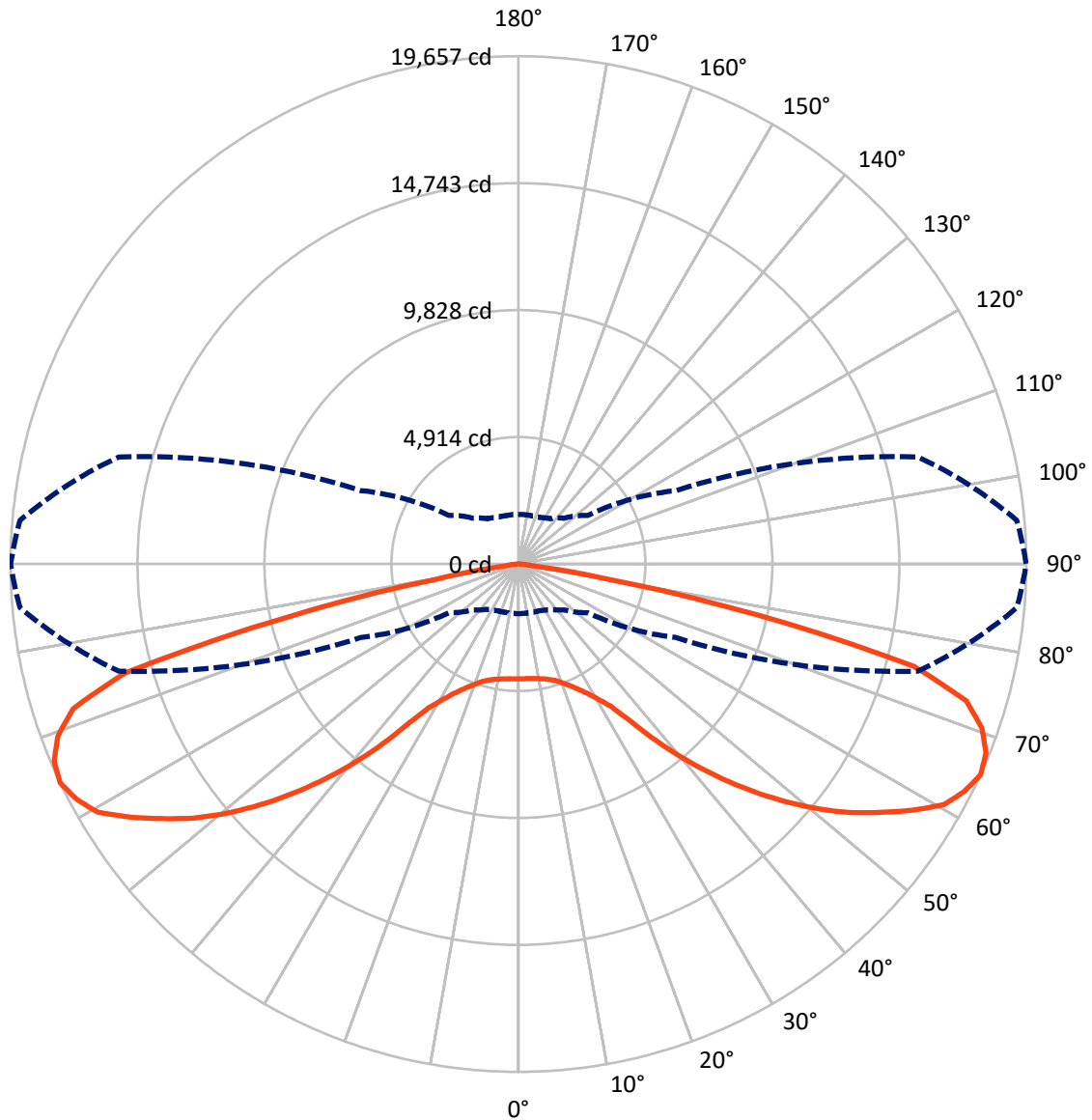
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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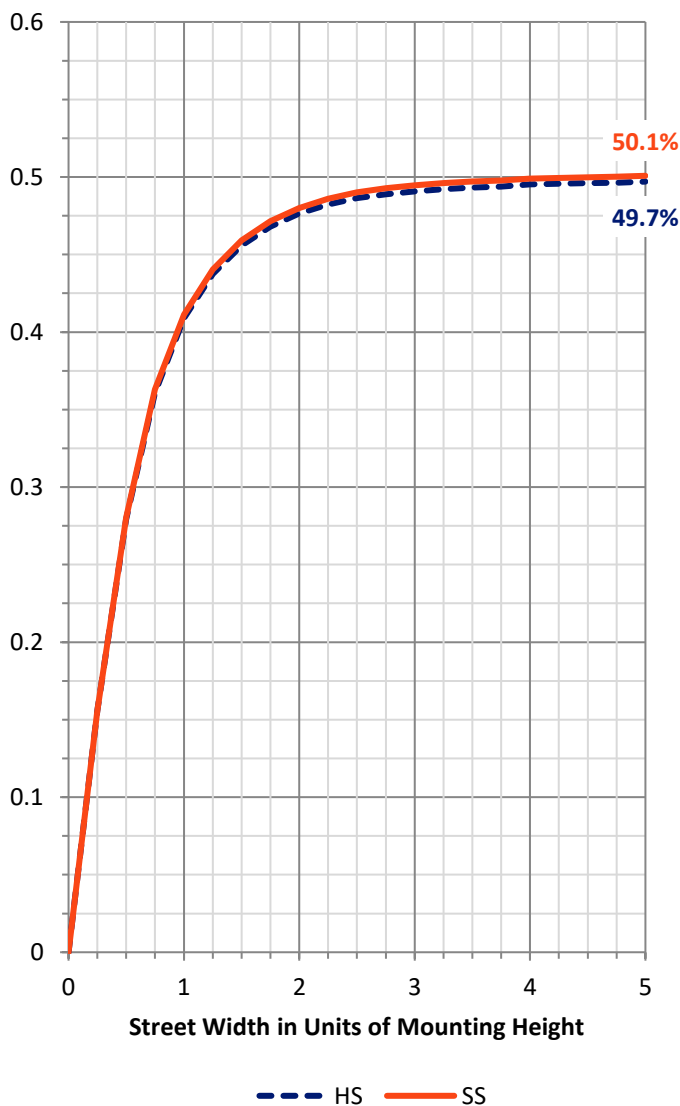
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13527.0	0.0	13527.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13527.0	0.0	13527.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27054.0	0.0	27054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.6	1.6
10°-20°	1257.8	4.6
20°-30°	2076.6	7.7
30°-40°	3042.8	11.2
40°-50°	4438.4	16.4
50°-60°	5746.3	21.2
60°-70°	6054.1	22.4
70°-80°	3695.0	13.7
80°-90°	319.4	1.2
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°	27054.0	100.0
0°-180°	27054.0	100.0

Coefficient of Utilization



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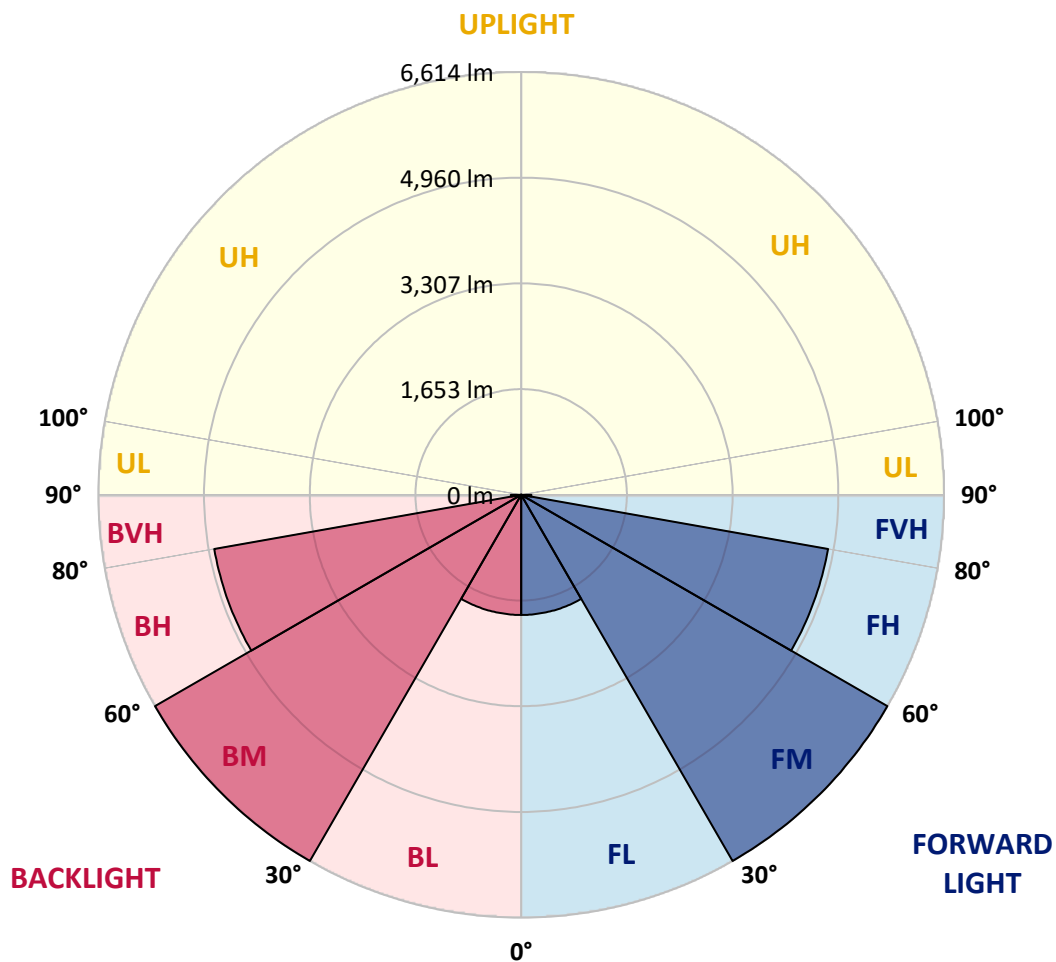
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1879.0	6.9			
FM (30°-60°)	6613.7	24.4			
FH (60°-80°)	4874.6	18.0			G2/5000
FVH (80°-90°)	159.7	0.6			G2/225
BL (0°-30°)	1879.0	6.9	B3/2500		
BM (30°-60°)	6613.7	24.4	B4/8500		
BH (60°-80°)	4874.6	18.0	B4/5000		G4/5000
BVH (80°-90°)	159.7	0.6			G2/225
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°	4451.0	4451.0	4451.0	4451.0	4451.0	4451.0	4451.0	4451.0	4451.0	4451.0	4451.0
2.5°	4414.1	4449.8	4455.6	4440.6	4441.8	4439.5	4448.7	4452.1	4456.8	4449.8	4446.4
5°	4407.2	4438.3	4444.1	4437.2	4446.4	4444.1	4448.7	4456.8	4455.6	4453.3	4453.3
7.5°	4370.3	4393.4	4411.8	4407.2	4409.5	4424.5	4440.6	4467.1	4479.8	4479.8	4477.5
10°	4321.9	4346.1	4377.2	4370.3	4385.3	4416.4	4448.7	4476.3	4508.6	4515.5	4515.5
12.5°	4270.1	4303.5	4333.5	4340.4	4374.9	4410.7	4469.4	4512.1	4548.9	4565.1	4563.9
15°	4201.0	4229.8	4265.5	4290.8	4346.1	4423.3	4500.5	4566.2	4619.2	4641.1	4644.6
17.5°	4108.8	4139.9	4177.9	4230.9	4327.7	4438.3	4558.1	4646.9	4727.5	4750.6	4750.6
20°	3987.8	4021.2	4067.3	4149.1	4280.5	4453.3	4613.5	4752.9	4857.7	4911.9	4919.9
22.5°	3800.0	3836.9	3911.8	4053.5	4226.3	4451.0	4679.1	4877.3	5035.2	5105.4	5113.5
25°	3591.4	3638.7	3744.7	3931.3	4159.5	4448.7	4744.8	5017.9	5228.7	5337.0	5360.1
27.5°	3407.1	3452.0	3582.2	3812.7	4097.3	4453.3	4810.5	5179.2	5483.4	5638.9	5658.5
30°	3226.2	3266.5	3411.7	3685.9	4039.7	4459.1	4894.6	5364.7	5772.6	6009.9	6057.2
32.5°	3077.6	3117.9	3258.5	3551.1	3969.4	4471.7	5001.7	5612.4	6174.7	6529.6	6559.5
35°	2947.4	2993.4	3116.7	3415.2	3876.0	4490.2	5136.6	5937.3	6750.8	7405.3	7439.8
37.5°	2834.4	2871.3	2980.8	3271.1	3778.1	4493.6	5293.3	6318.7	7495.1	8461.8	8698.0
40°	2759.5	2784.9	2869.0	3138.6	3649.1	4464.8	5473.0	6745.0	8324.7	9688.9	9958.6
42.5°	2691.6	2714.6	2781.4	3016.5	3514.2	4409.5	5640.1	7182.9	9155.5	10942.5	11197.2
45°	2609.8	2628.2	2696.2	2912.8	3382.9	4324.2	5778.3	7588.5	10015.0	12201.9	12441.6
47.5°	2542.9	2556.8	2614.4	2819.5	3236.6	4187.1	5837.1	7956.0	10936.8	13366.8	13664.1
50°	2496.8	2492.2	2542.9	2722.7	3086.8	3995.9	5787.6	8227.9	11908.1	14532.8	14853.2
52.5°	2417.3	2421.9	2470.3	2622.4	2962.3	3759.7	5594.0	8419.2	12885.2	15597.5	15976.6
55°	2335.5	2342.4	2380.5	2517.6	2831.0	3535.0	5235.6	8445.7	13907.2	16710.5	16968.6
57.5°	2248.0	2251.4	2283.7	2404.7	2684.7	3302.2	4784.0	8277.5	14855.5	17731.4	17975.6
60°	2170.8	2171.9	2193.8	2287.1	2522.2	3051.1	4258.6	7939.9	15619.4	18514.9	18912.4
62.5°	2067.1	2067.1	2080.9	2159.2	2356.3	2791.8	3753.9	7416.8	16036.5	19086.4	19375.6
65°	1918.4	1920.7	1934.6	1985.3	2138.5	2509.5	3280.3	6725.5	16011.1	19366.4	19656.7
67.5°	1633.8	1628.1	1711.0	1794.0	1913.8	2223.8	2816.0	6046.8	15430.4	19246.5	19518.5
70°	1183.3	1175.3	1223.6	1341.2	1630.4	1857.4	2393.1	5479.9	13762.0	18798.3	19024.2
72.5°	971.3	975.9	978.2	963.2	1091.1	1503.6	1999.1	4819.7	11355.0	17423.7	18126.6
75°	768.5	757.0	769.7	781.2	815.8	881.4	1617.7	4013.2	9215.4	14610.0	15795.7
77.5°	485.1	478.2	477.0	483.9	528.9	558.8	990.9	2941.6	6412.1	9241.9	9320.2
80°	337.6	336.4	337.6	346.8	361.8	368.7	549.6	1611.9	3228.5	3365.6	3305.7
82.5°	239.7	231.6	224.7	242.0	233.9	227.0	330.7	738.6	871.1	593.4	481.6
85°	118.7	121.0	102.5	130.2	122.1	118.7	129.0	140.6	130.2	243.1	275.4
87.5°	33.4	32.3	35.7	41.5	40.3	46.1	41.5	44.9	53.0	92.2	91.0
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)