

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: P509923

Luminaire Tested: **VERD-M-CA3-170-727-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509923
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-CA3-170-727-U-T1
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 2700K, 1060mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21952 lumens
Efficiency: N/A
Efficacy: 127.0 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

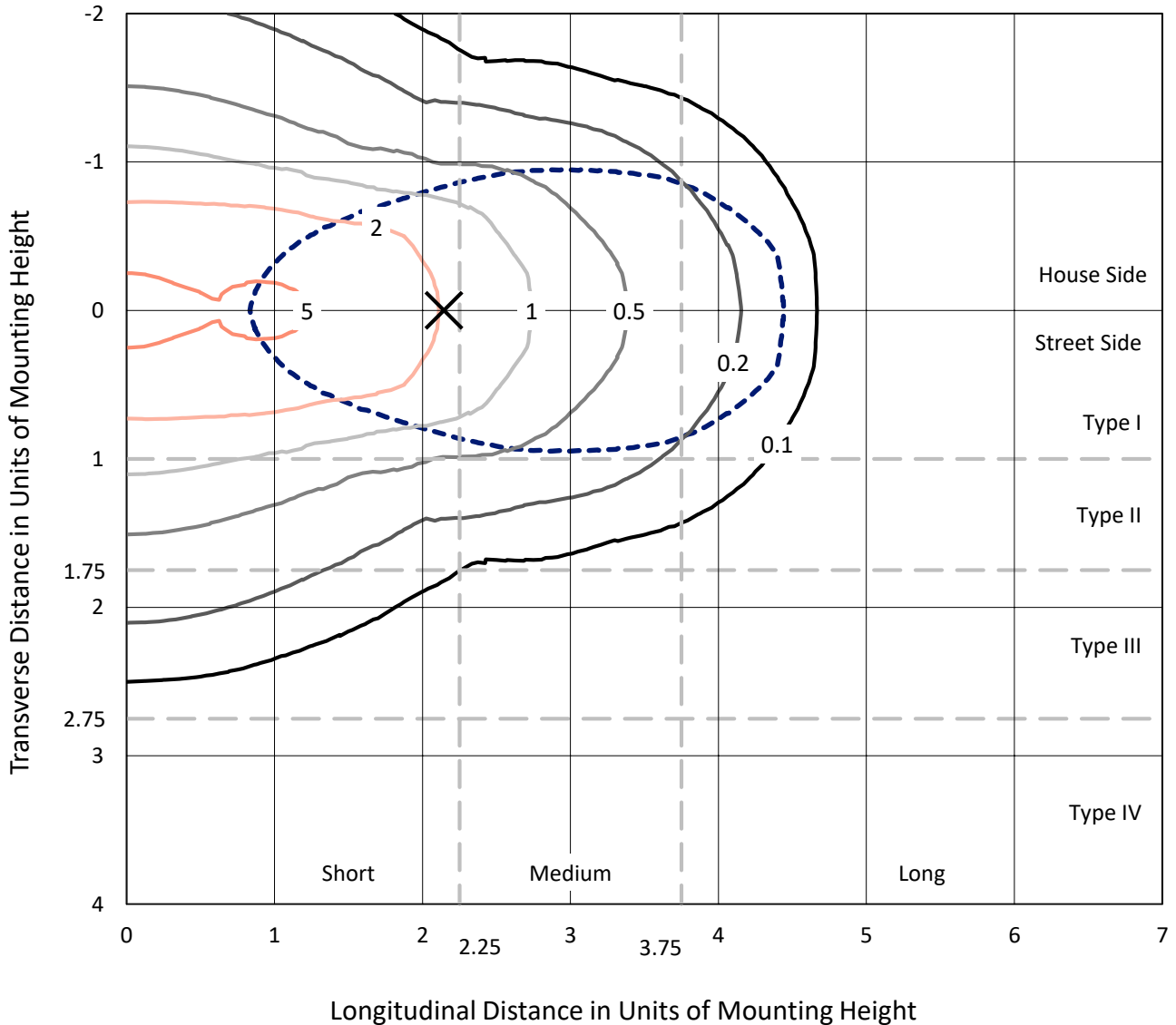
Input Watts (W): 172.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

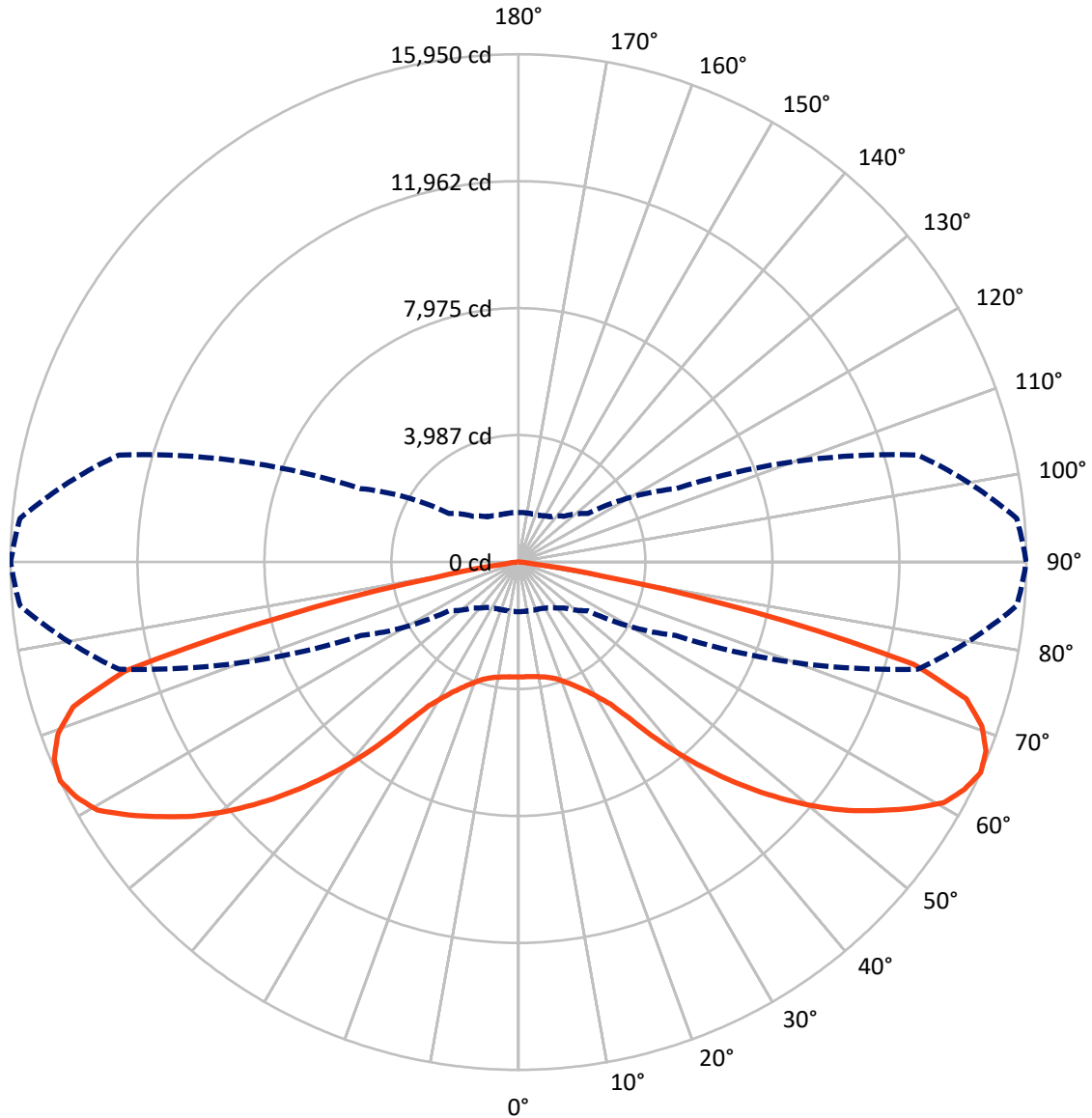
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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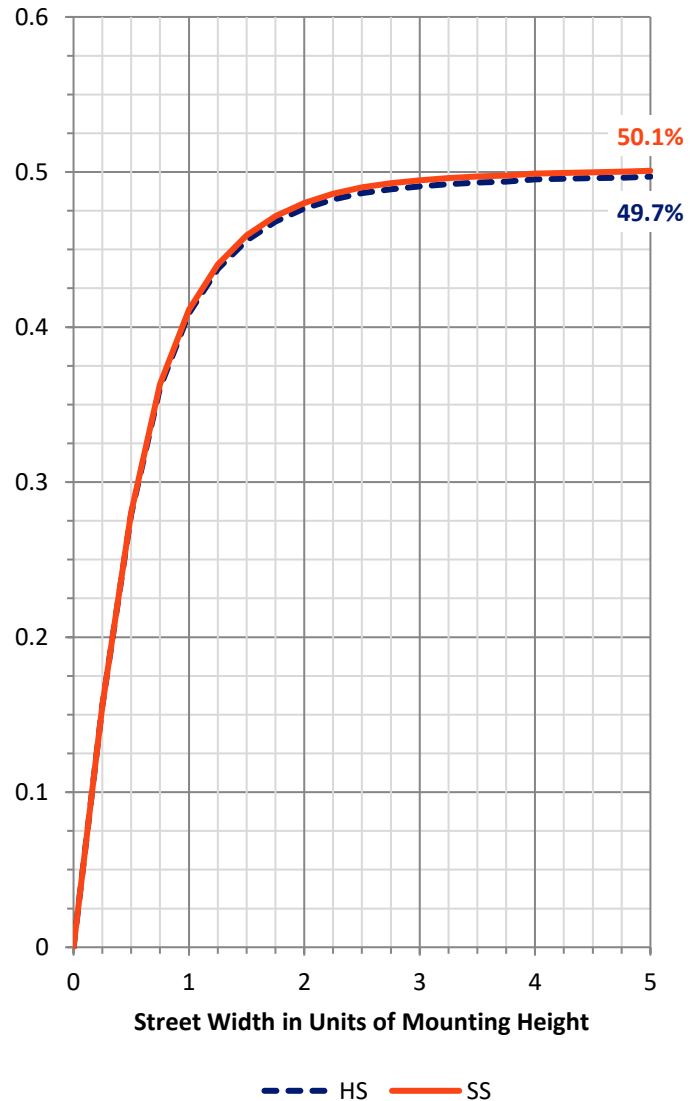
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10976.0	0.0	10976.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10976.0	0.0	10976.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21952.0	0.0	21952.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.7	1.6
10°-20°	1020.6	4.6
20°-30°	1685.0	7.7
30°-40°	2468.9	11.2
40°-50°	3601.4	16.4
50°-60°	4662.6	21.2
60°-70°	4912.4	22.4
70°-80°	2998.2	13.7
80°-90°	259.2	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°	21952.0	100.0
0°-180°	21952.0	100.0



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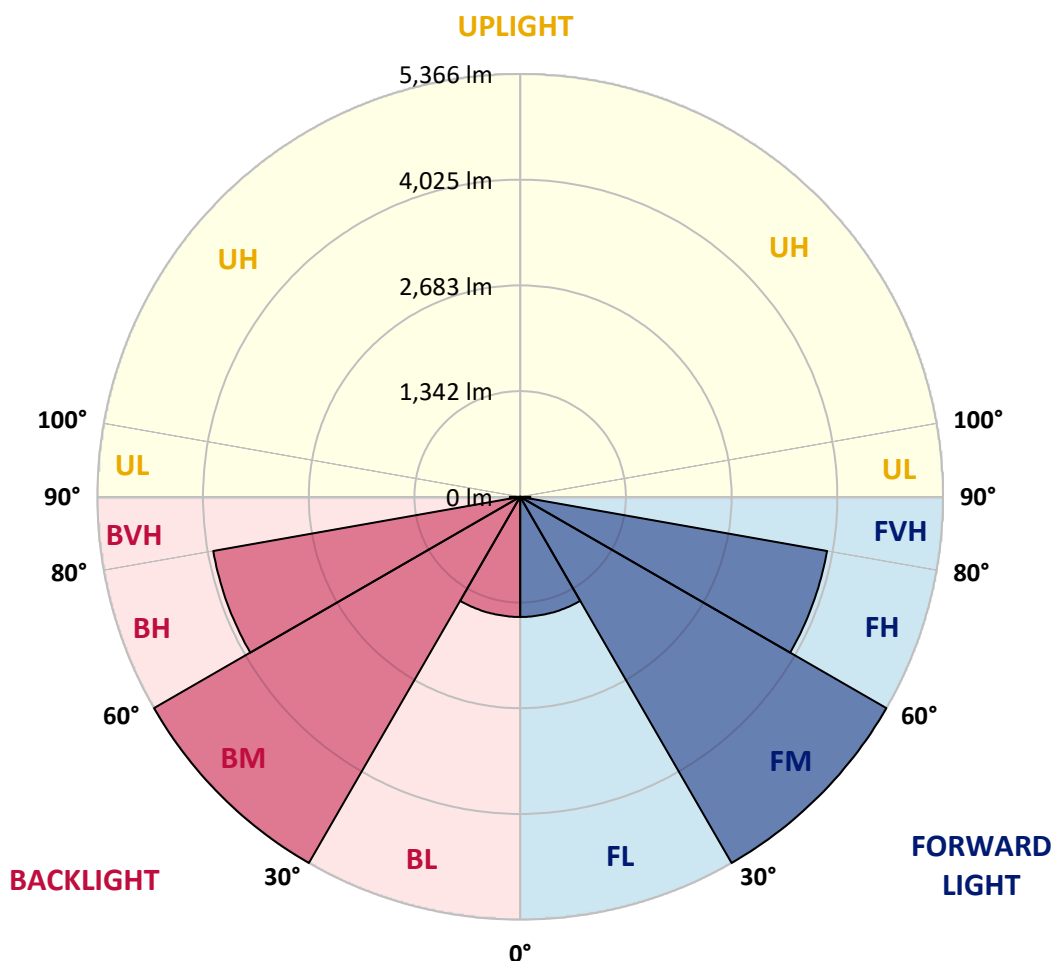
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1524.6	6.9			
FM (30°-60°)	5366.5	24.4			
FH (60°-80°)	3955.3	18.0			G2/5000
FVH (80°-90°)	129.6	0.6			G2/225
BL (0°-30°)	1524.6	6.9	B3/2500		
BM (30°-60°)	5366.5	24.4	B4/8500		
BH (60°-80°)	3955.3	18.0	B4/5000		G4/5000
BVH (80°-90°)	129.6	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°	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6
2.5°	3581.7	3610.7	3615.3	3603.2	3604.1	3602.2	3609.7	3612.5	3616.3	3610.7	3607.9
5°	3576.1	3601.3	3606.0	3600.4	3607.9	3606.0	3609.7	3616.3	3615.3	3613.5	3613.5
7.5°	3546.2	3564.9	3579.8	3576.1	3577.9	3590.1	3603.2	3624.7	3635.0	3635.0	3633.1
10°	3506.9	3526.5	3551.8	3546.2	3558.3	3583.5	3609.7	3632.2	3658.3	3664.0	3664.0
12.5°	3464.8	3491.9	3516.2	3521.8	3549.9	3578.9	3626.6	3661.1	3691.1	3704.2	3703.2
15°	3408.7	3432.1	3461.1	3481.6	3526.5	3589.2	3651.8	3705.1	3748.1	3765.9	3768.7
17.5°	3333.9	3359.2	3390.0	3433.0	3511.6	3601.3	3698.5	3770.5	3836.0	3854.7	3854.7
20°	3235.8	3262.9	3300.3	3366.6	3473.2	3613.5	3743.4	3856.5	3941.6	3985.6	3992.1
22.5°	3083.4	3113.3	3174.1	3289.0	3429.3	3611.6	3796.7	3957.5	4085.6	4142.6	4149.2
25°	2914.1	2952.5	3038.5	3189.9	3375.1	3609.7	3850.0	4071.6	4242.7	4330.6	4349.2
27.5°	2764.6	2801.0	2906.7	3093.7	3324.6	3613.5	3903.3	4202.5	4449.3	4575.5	4591.4
30°	2617.8	2650.5	2768.3	2990.8	3277.8	3618.1	3971.5	4353.0	4684.0	4876.5	4914.9
32.5°	2497.2	2529.9	2644.0	2881.4	3220.8	3628.4	4058.5	4554.0	5010.2	5298.2	5322.5
35°	2391.5	2428.9	2529.0	2771.1	3145.1	3643.4	4167.9	4817.6	5477.7	6008.7	6036.8
37.5°	2299.9	2329.8	2418.6	2654.2	3065.6	3646.2	4295.0	5127.1	6081.7	6866.1	7057.7
40°	2239.1	2259.7	2328.0	2546.7	2960.9	3622.8	4440.9	5473.0	6754.8	7861.7	8080.5
42.5°	2184.0	2202.7	2256.9	2447.6	2851.5	3577.9	4576.4	5828.3	7428.9	8878.9	9085.6
45°	2117.6	2132.6	2187.7	2363.5	2744.9	3508.8	4688.6	6157.4	8126.3	9900.8	10095.3
47.5°	2063.4	2074.6	2121.3	2287.8	2626.2	3397.5	4736.3	6455.6	8874.3	10846.0	11087.2
50°	2026.0	2022.2	2063.4	2209.2	2504.7	3242.3	4696.1	6676.3	9662.4	11792.2	12052.1
52.5°	1961.5	1965.2	2004.5	2127.9	2403.7	3050.6	4539.0	6831.5	10455.2	12656.0	12963.6
55°	1895.1	1900.7	1931.5	2042.8	2297.1	2868.3	4248.3	6853.0	11284.5	13559.1	13768.6
57.5°	1824.0	1826.8	1853.0	1951.2	2178.4	2679.5	3881.8	6716.5	12053.9	14387.5	14585.7
60°	1761.4	1762.3	1780.1	1855.8	2046.5	2475.7	3455.5	6442.5	12673.8	15023.2	15345.8
62.5°	1677.2	1677.2	1688.5	1752.0	1911.9	2265.3	3046.0	6018.1	13012.2	15487.0	15721.6
65°	1556.6	1558.5	1569.7	1610.9	1735.2	2036.3	2661.7	5457.1	12991.7	15714.1	15949.7
67.5°	1325.7	1321.0	1388.4	1455.7	1552.9	1804.4	2284.9	4906.5	12520.5	15616.9	15837.6
70°	960.2	953.6	992.9	1088.2	1322.9	1507.1	1941.8	4446.5	11166.7	15253.2	15436.5
72.5°	788.1	791.9	793.7	781.6	885.4	1220.1	1622.1	3910.8	9213.6	14137.9	14708.2
75°	623.6	614.2	624.5	633.9	661.9	715.2	1312.6	3256.3	7477.5	11854.8	12816.8
77.5°	393.6	388.0	387.1	392.7	429.1	453.4	804.0	2386.9	5202.8	7499.0	7562.6
80°	273.9	273.0	273.9	281.4	293.6	299.2	446.0	1308.0	2619.6	2730.9	2682.3
82.5°	194.5	187.9	182.3	196.3	189.8	184.2	268.3	599.3	706.8	481.5	390.8
85°	96.3	98.2	83.2	105.6	99.1	96.3	104.7	114.1	105.6	197.3	223.4
87.5°	27.1	26.2	29.0	33.7	32.7	37.4	33.7	36.5	43.0	74.8	73.9
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)