

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: P510139

Luminaire Tested: **VERD-M-CA4-210-750-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510139
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-CA4-210-750-U-T1
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 5000K, 960mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32534 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

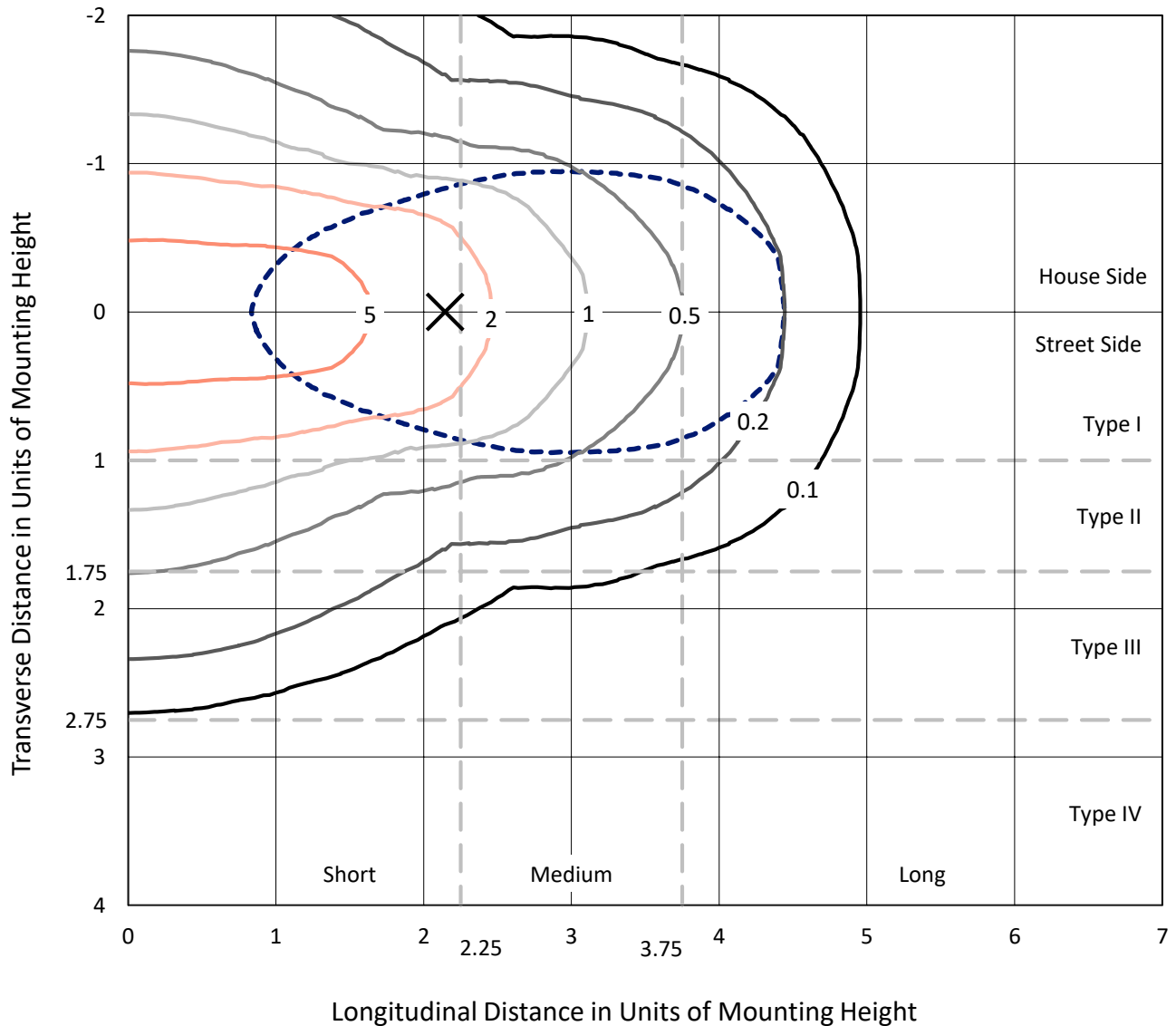
Input Watts (W): 213.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

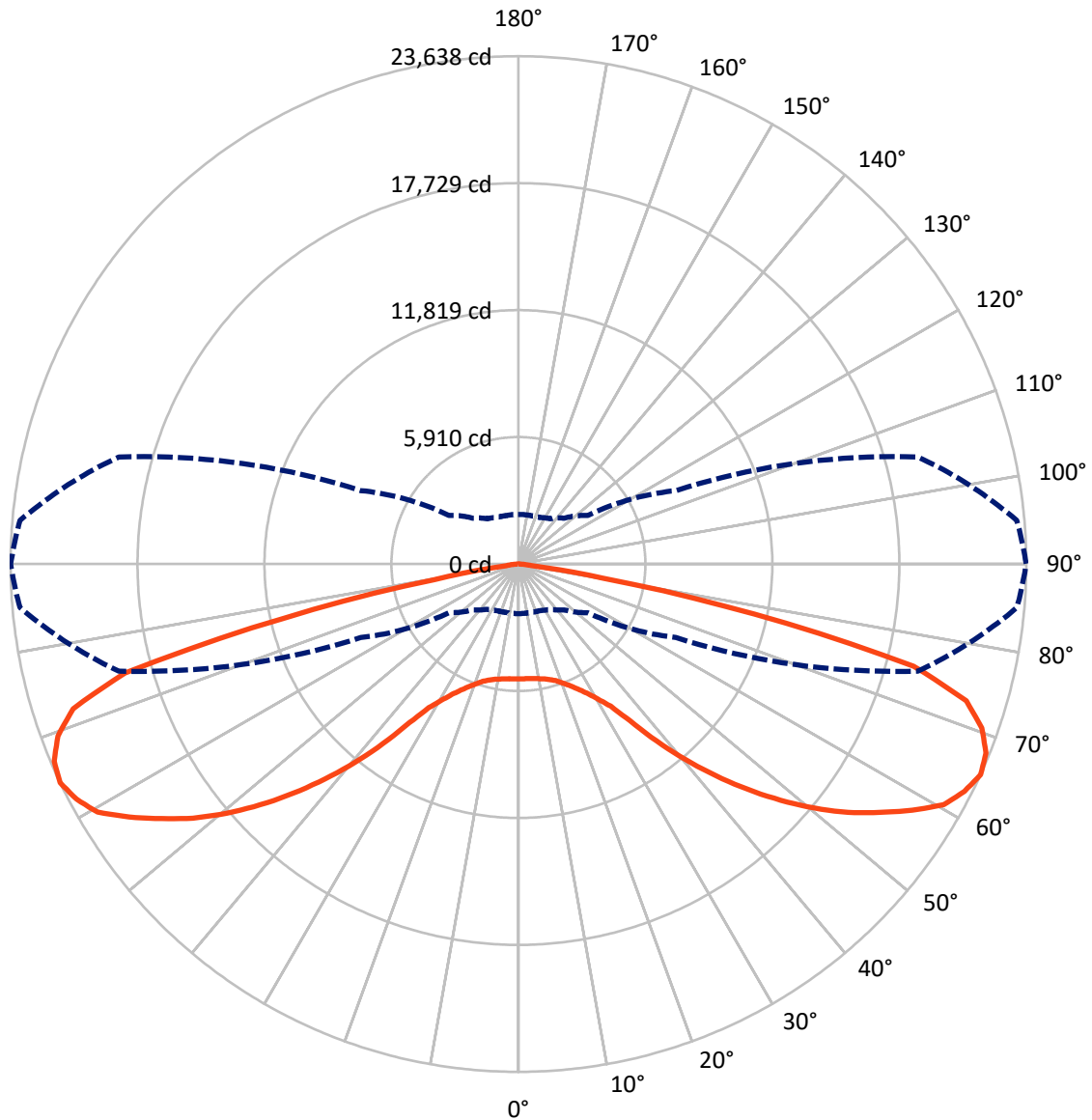
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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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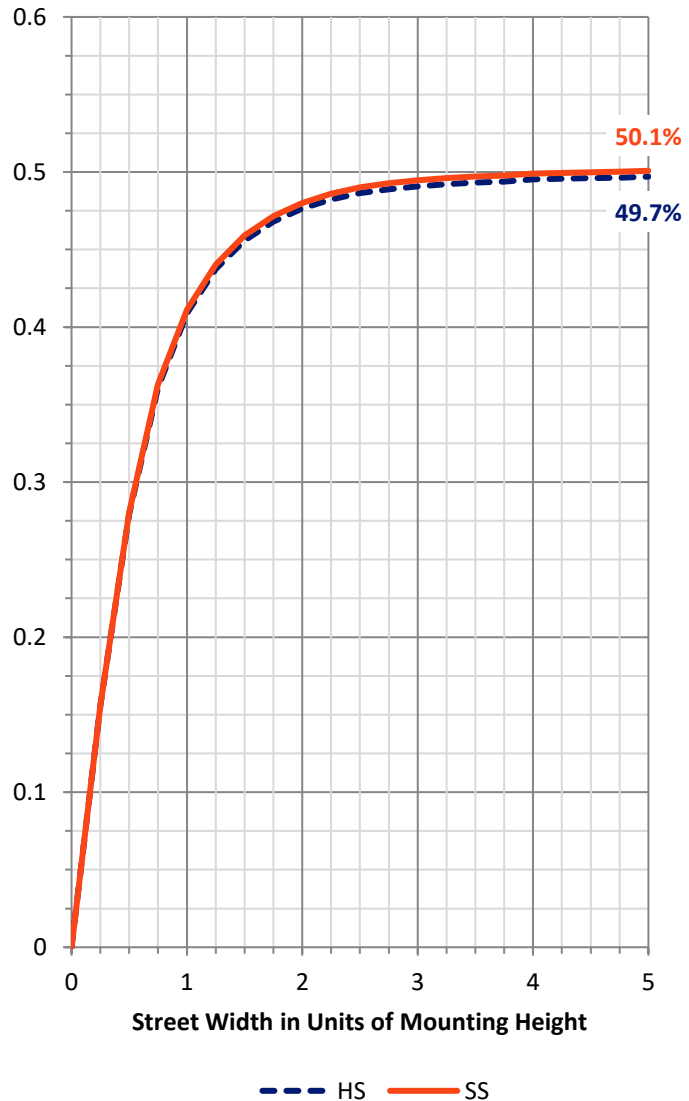
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16267.0	0.0	16267.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16267.0	0.0	16267.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32534.0	0.0	32534.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.4	1.6
10°-20°	1512.6	4.6
20°-30°	2497.2	7.7
30°-40°	3659.1	11.2
40°-50°	5337.4	16.4
50°-60°	6910.3	21.2
60°-70°	7280.4	22.4
70°-80°	4443.5	13.7
80°-90°	384.1	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°	32534.0	100.0
0°-180°	32534.0	100.0

Coefficient of Utilization



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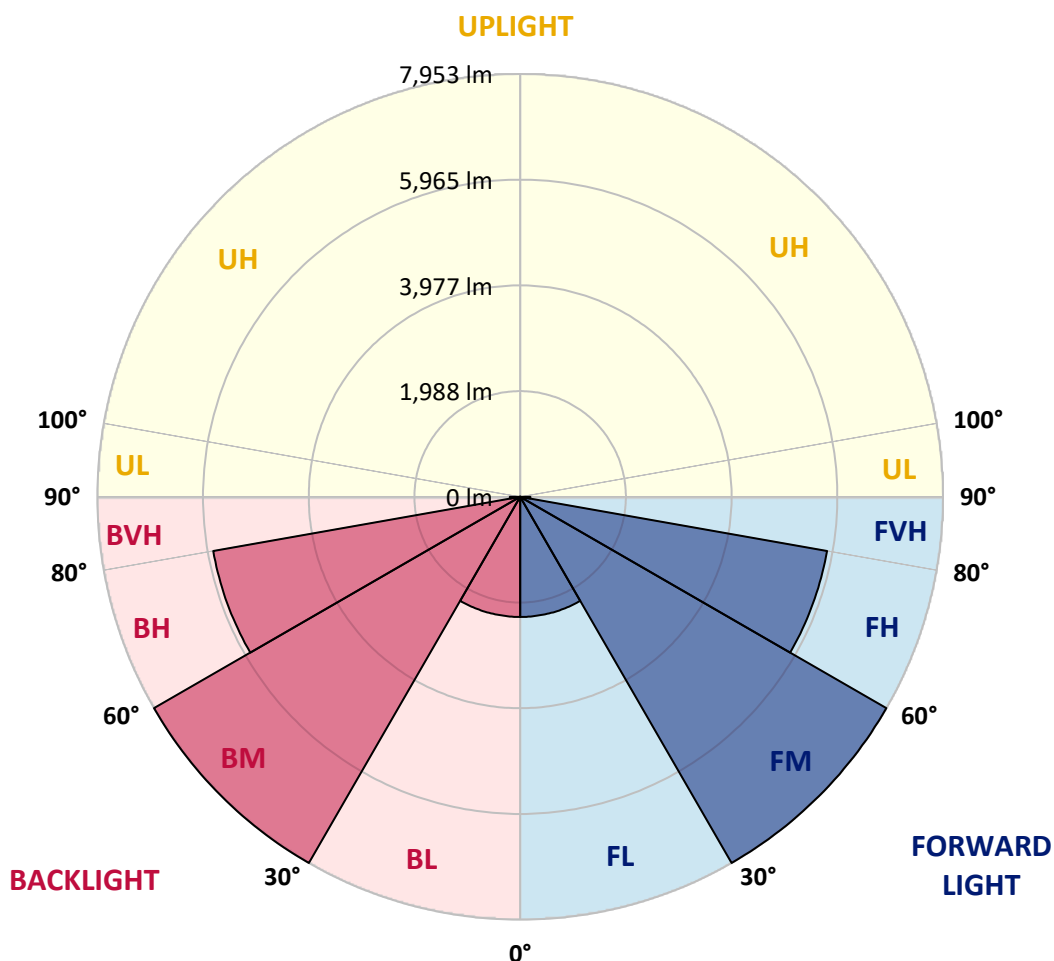
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2259.6	6.9			
FM (30°-60°)	7953.4	24.4			
FH (60°-80°)	5861.9	18.0			G3/7500
FVH (80°-90°)	192.1	0.6			G2/225
BL (0°-30°)	2259.6	6.9	B3/2500		
BM (30°-60°)	7953.4	24.4	B4/8500		
BH (60°-80°)	5861.9	18.0	B5		G5
BVH (80°-90°)	192.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5352.6	5352.6	5352.6	5352.6	5352.6	5352.6	5352.6	5352.6	5352.6	5352.6	5352.6
2.5°	5308.2	5351.2	5358.1	5340.1	5341.5	5338.7	5349.8	5354.0	5359.5	5351.2	5347.0
5°	5299.9	5337.3	5344.3	5335.9	5347.0	5344.3	5349.8	5359.5	5358.1	5355.3	5355.3
7.5°	5255.6	5283.3	5305.5	5299.9	5302.7	5320.7	5340.1	5372.0	5387.2	5387.2	5384.4
10°	5197.4	5226.5	5263.9	5255.6	5273.6	5311.0	5349.8	5383.1	5421.9	5430.2	5430.2
12.5°	5135.0	5175.2	5211.2	5219.6	5261.1	5304.1	5374.7	5426.0	5470.4	5489.7	5488.4
15°	5051.9	5086.5	5129.5	5160.0	5226.5	5319.3	5412.2	5491.1	5554.9	5581.2	5585.4
17.5°	4941.1	4978.5	5024.2	5087.9	5204.3	5337.3	5481.4	5588.1	5685.1	5712.8	5712.8
20°	4795.6	4835.7	4891.2	4989.5	5147.5	5355.3	5547.9	5715.6	5841.7	5906.8	5916.5
22.5°	4569.7	4614.0	4704.1	4874.5	5082.4	5352.6	5626.9	5865.2	6055.1	6139.6	6149.3
25°	4318.9	4375.7	4503.2	4727.7	5002.0	5349.8	5705.9	6034.3	6287.9	6418.1	6445.8
27.5°	4097.2	4151.3	4307.8	4585.0	4927.2	5355.3	5784.9	6228.3	6594.1	6781.1	6804.7
30°	3879.7	3928.2	4102.8	4432.5	4857.9	5362.3	5886.0	6451.4	6941.9	7227.3	7284.1
32.5°	3700.9	3749.4	3918.5	4270.4	4773.4	5377.5	6014.9	6749.3	7425.4	7852.2	7888.2
35°	3544.4	3599.8	3748.0	4106.9	4661.2	5399.7	6177.0	7140.0	8118.2	8905.3	8946.8
37.5°	3408.6	3452.9	3584.5	3933.7	4543.4	5403.8	6365.4	7598.6	9013.3	10175.8	10459.9
40°	3318.5	3349.0	3450.1	3774.4	4388.2	5369.2	6581.6	8111.3	10011.0	11651.5	11975.7
42.5°	3236.8	3264.5	3344.8	3627.5	4226.1	5302.7	6782.5	8637.8	11010.0	13159.0	13465.3
45°	3138.4	3160.6	3242.3	3502.8	4068.1	5200.2	6948.8	9125.6	12043.6	14673.5	14961.7
47.5°	3058.0	3074.6	3143.9	3390.6	3892.2	5035.3	7019.5	9567.6	13152.1	16074.3	16431.8
50°	3002.6	2997.1	3058.0	3274.2	3712.0	4805.3	6959.9	9894.6	14320.2	17476.6	17861.8
52.5°	2907.0	2912.5	2970.7	3153.6	3562.4	4521.2	6727.1	10124.6	15495.2	18756.9	19212.7
55°	2808.6	2816.9	2862.7	3027.5	3404.4	4251.0	6296.2	10156.5	16724.2	20095.4	20405.7
57.5°	2703.3	2707.5	2746.3	2891.7	3228.4	3971.1	5753.0	9954.2	17864.5	21323.0	21616.8
60°	2610.5	2611.9	2638.2	2750.4	3033.1	3669.1	5121.2	9548.2	18783.2	22265.2	22743.2
62.5°	2485.8	2485.8	2502.4	2596.6	2833.6	3357.3	4514.3	8919.1	19284.8	22952.5	23300.3
65°	2307.0	2309.8	2326.4	2387.4	2571.7	3017.8	3944.8	8087.7	19254.3	23289.2	23638.3
67.5°	1964.8	1957.9	2057.6	2157.4	2301.5	2674.2	3386.4	7271.6	18556.0	23145.1	23472.1
70°	1423.0	1413.3	1471.5	1612.8	1960.6	2233.6	2877.9	6589.9	16549.6	22606.1	22877.6
72.5°	1168.1	1173.6	1176.4	1158.4	1312.2	1808.2	2404.0	5796.0	13655.1	20953.0	21798.3
75°	924.2	910.3	925.6	939.4	981.0	1060.0	1945.4	4826.0	11082.0	17569.4	18995.2
77.5°	583.3	575.0	573.6	582.0	636.0	672.0	1191.6	3537.4	7710.9	11113.9	11208.1
80°	406.0	404.6	406.0	417.1	435.1	443.4	660.9	1938.5	3882.5	4047.3	3975.3
82.5°	288.2	278.5	270.2	291.0	281.3	273.0	397.7	888.2	1047.5	713.6	579.2
85°	142.7	145.5	123.3	156.6	146.9	142.7	155.2	169.0	156.6	292.4	331.2
87.5°	40.2	38.8	43.0	49.9	48.5	55.4	49.9	54.0	63.7	110.8	109.5
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)