

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: P510195

Luminaire Tested: **VERD-M-CA4-220-760-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510195
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-CA4-220-760-U-T1
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 5700K, 1000mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32995 lumens
Efficiency: N/A
Efficacy: 148.3 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

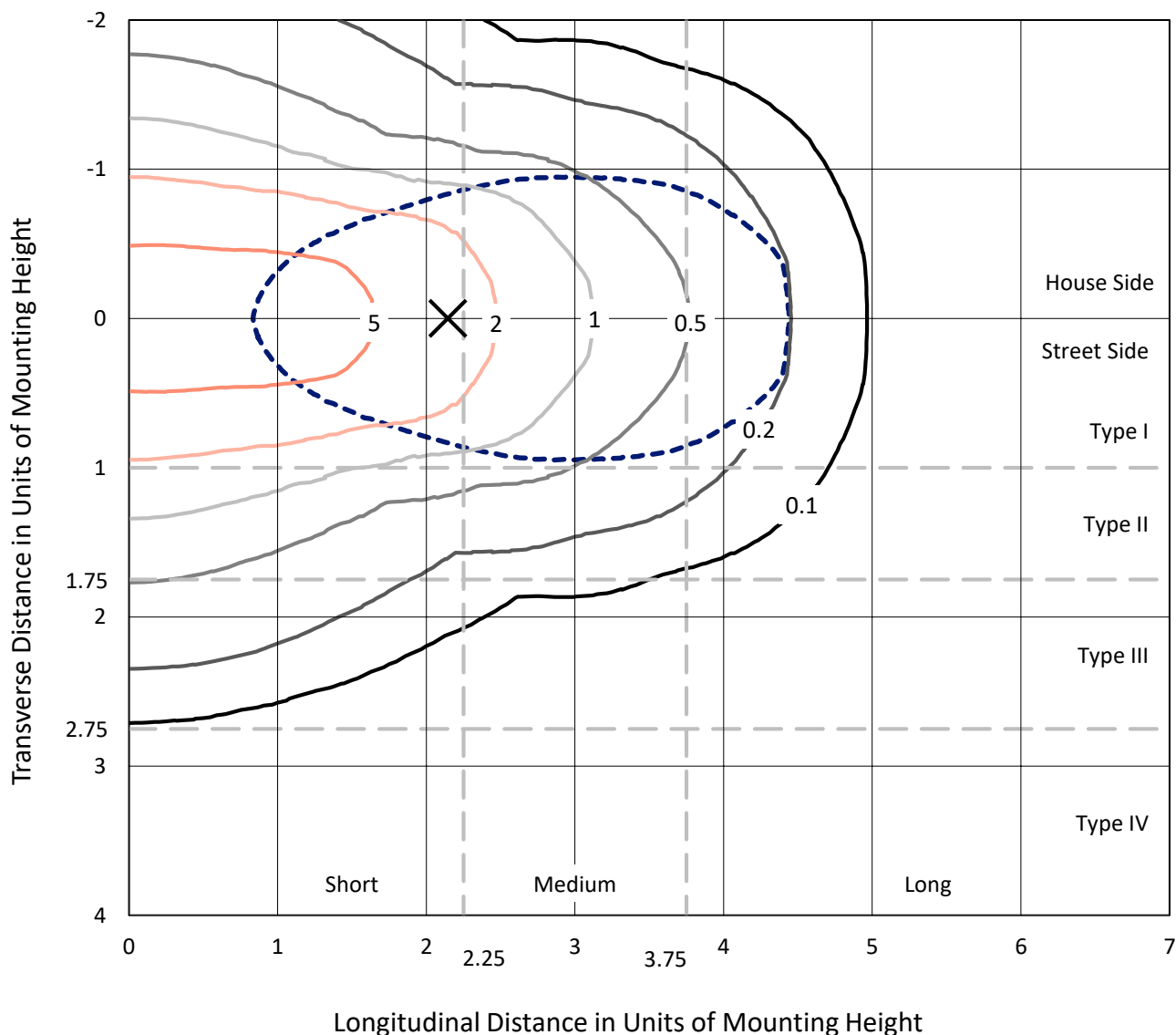
Input Watts (W): 222.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

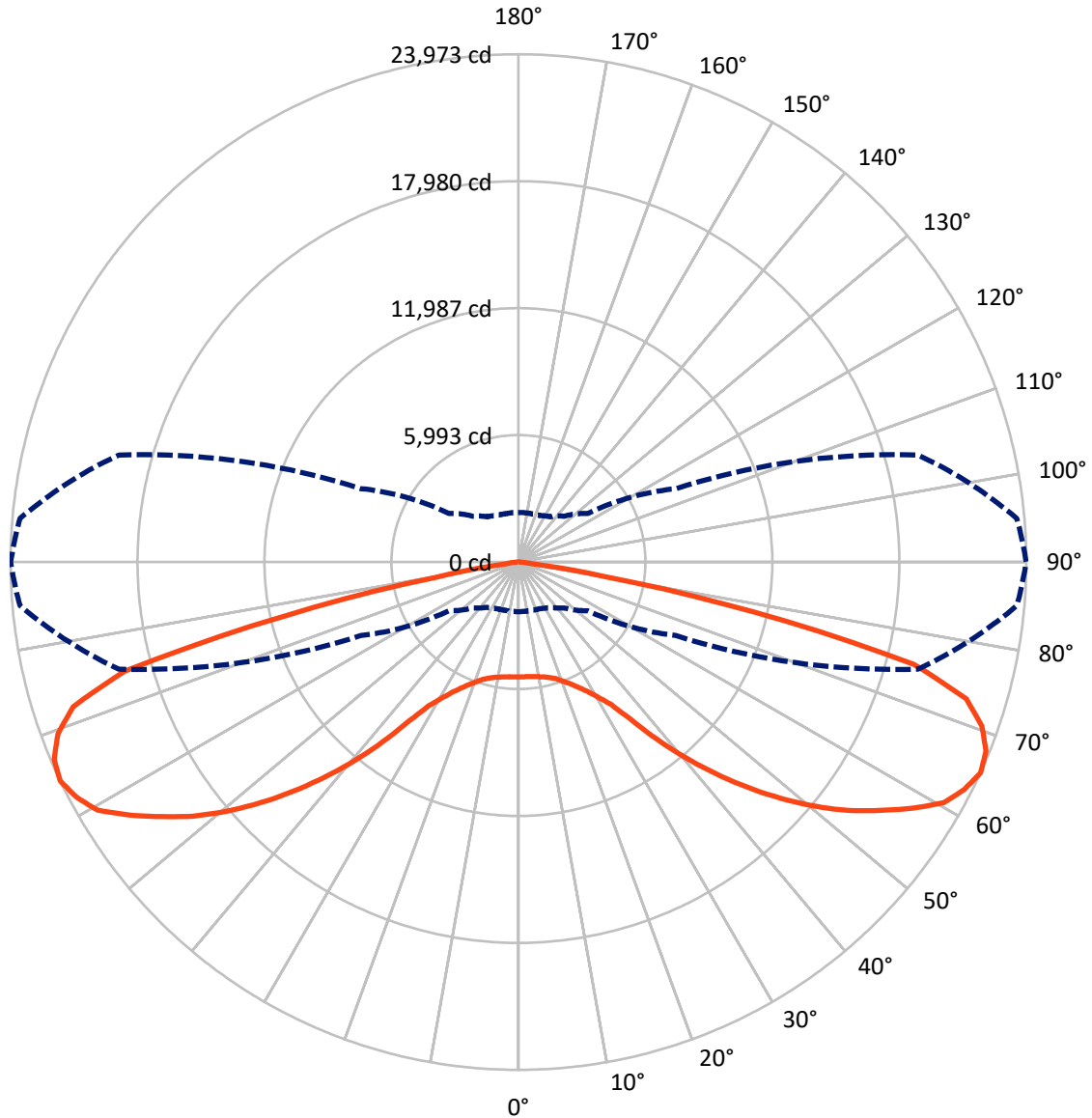
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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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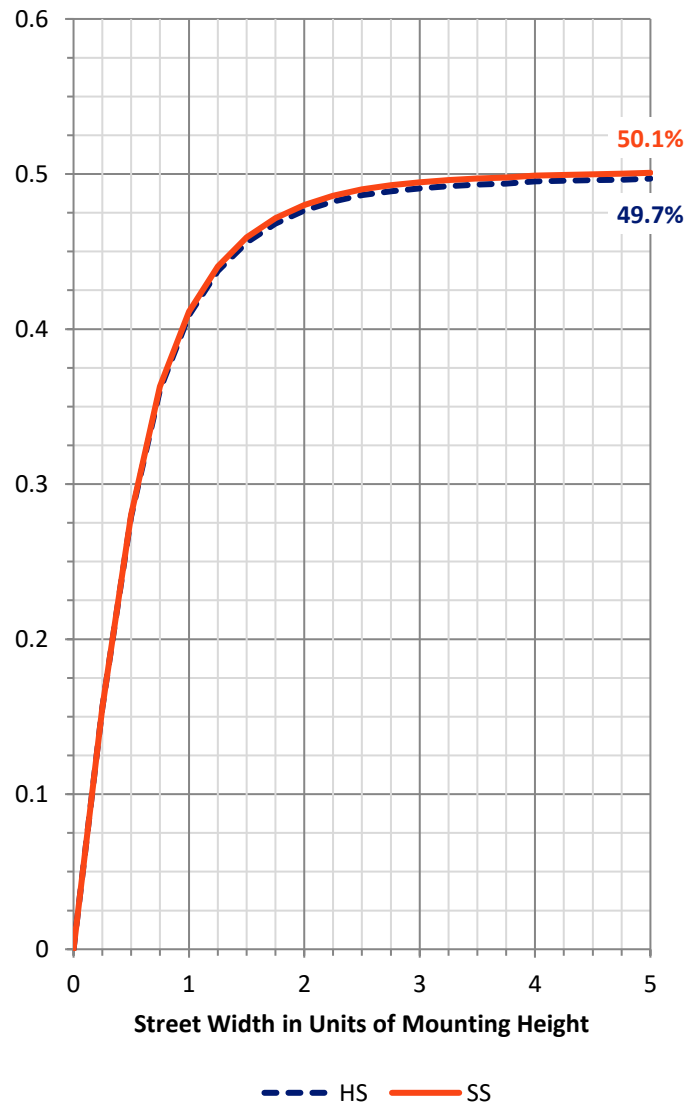
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16497.5	0.0	16497.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16497.5	0.0	16497.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32995.0	0.0	32995.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.6	1.6
10°-20°	1534.0	4.6
20°-30°	2532.6	7.7
30°-40°	3710.9	11.2
40°-50°	5413.1	16.4
50°-60°	7008.2	21.2
60°-70°	7383.6	22.4
70°-80°	4506.4	13.7
80°-90°	389.6	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°	32995.0	100.0
0°-180°	32995.0	100.0



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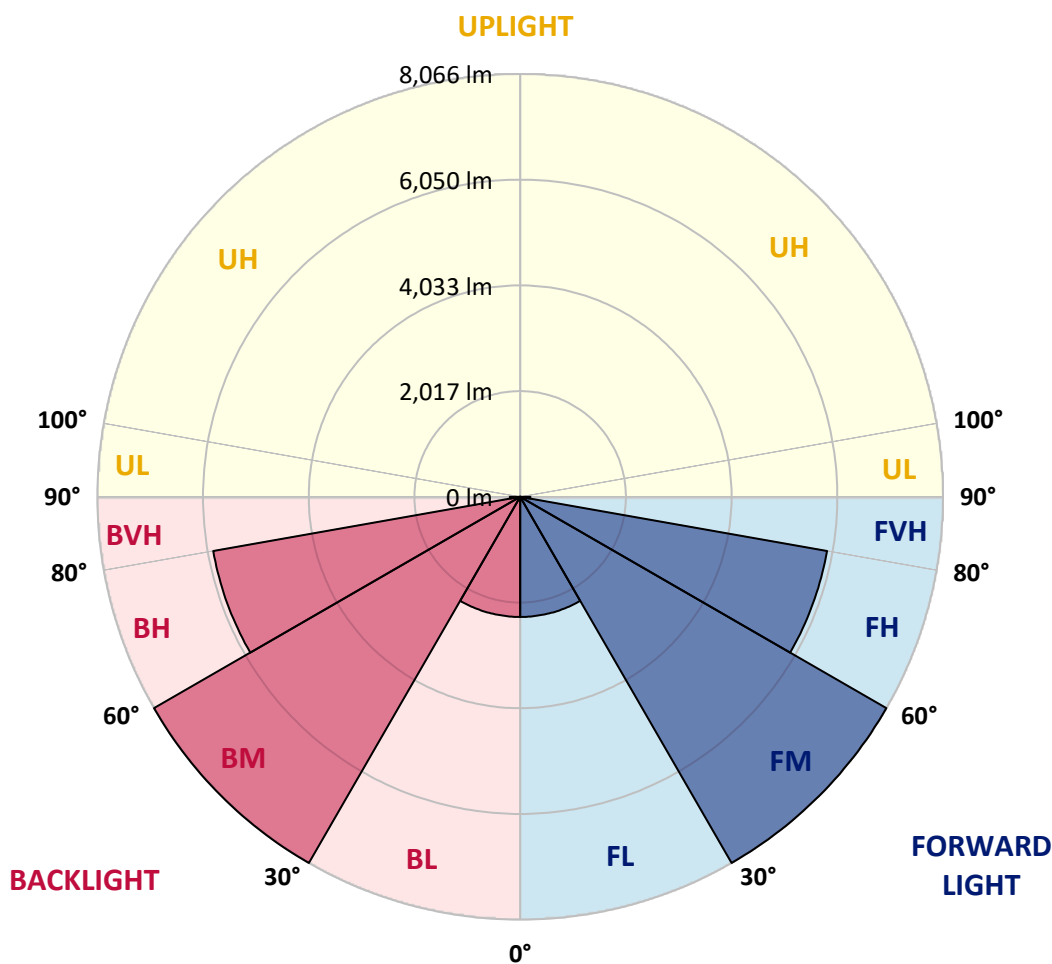
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2291.6	6.9			
FM (30°-60°)	8066.1	24.4			
FH (60°-80°)	5945.0	18.0			G3/7500
FVH (80°-90°)	194.8	0.6			G2/225
BL (0°-30°)	2291.6	6.9	B3/2500		
BM (30°-60°)	8066.1	24.4	B4/8500		
BH (60°-80°)	5945.0	18.0	B5		G5
BVH (80°-90°)	194.8	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°	5428.4	5428.4	5428.4	5428.4	5428.4	5428.4	5428.4	5428.4	5428.4	5428.4	5428.4
2.5°	5383.5	5427.0	5434.0	5415.8	5417.2	5414.4	5425.6	5429.8	5435.4	5427.0	5422.8
5°	5375.0	5413.0	5420.0	5411.6	5422.8	5420.0	5425.6	5435.4	5434.0	5431.2	5431.2
7.5°	5330.1	5358.2	5380.6	5375.0	5377.8	5396.1	5415.8	5448.1	5463.5	5463.5	5460.7
10°	5271.0	5300.5	5338.5	5330.1	5348.3	5386.3	5425.6	5459.3	5498.7	5507.1	5507.1
12.5°	5207.8	5248.5	5285.1	5293.5	5335.7	5379.2	5450.9	5502.9	5547.9	5567.5	5566.1
15°	5123.5	5158.6	5202.2	5233.1	5300.5	5394.7	5488.8	5568.9	5633.6	5660.3	5664.5
17.5°	5011.1	5049.0	5095.4	5160.0	5278.1	5413.0	5559.1	5667.3	5765.7	5793.8	5793.8
20°	4863.5	4904.3	4960.5	5060.2	5220.4	5431.2	5626.6	5796.6	5924.5	5990.5	6000.3
22.5°	4634.5	4679.4	4770.8	4943.6	5154.4	5428.4	5706.7	5948.4	6140.9	6226.6	6236.4
25°	4380.1	4437.7	4567.0	4794.7	5072.9	5425.6	5786.8	6119.8	6377.0	6509.0	6537.1
27.5°	4155.3	4210.1	4368.9	4649.9	4997.0	5431.2	5866.9	6316.5	6687.5	6877.2	6901.1
30°	3934.7	3983.8	4160.9	4495.3	4926.8	5438.3	5969.4	6542.8	7040.2	7329.7	7387.3
32.5°	3753.4	3802.6	3974.0	4330.9	4841.0	5453.7	6100.1	6844.9	7530.6	7963.5	8000.0
35°	3594.6	3650.8	3801.2	4165.1	4727.2	5476.2	6264.5	7241.2	8233.3	9031.4	9073.6
37.5°	3456.9	3501.8	3635.3	3989.5	4607.8	5480.4	6455.6	7706.3	9141.0	10320.0	10608.1
40°	3365.5	3396.5	3499.0	3827.9	4450.4	5445.3	6674.9	8226.2	10152.8	11816.6	12145.4
42.5°	3282.6	3310.7	3392.2	3678.9	4286.0	5377.8	6878.6	8760.2	11166.0	13345.5	13656.1
45°	3182.9	3205.3	3288.2	3552.4	4125.8	5273.8	7047.2	9254.9	12214.3	14881.4	15173.7
47.5°	3101.4	3118.2	3188.5	3438.6	3947.3	5106.6	7118.9	9703.1	13338.5	16302.1	16664.7
50°	3045.1	3039.5	3101.4	3320.6	3764.6	4873.4	7058.5	10034.8	14523.1	17724.2	18114.9
52.5°	2948.2	2953.8	3012.8	3198.3	3612.9	4585.3	6822.4	10268.0	15714.7	19022.7	19485.0
55°	2848.4	2856.8	2903.2	3070.4	3452.7	4311.3	6385.4	10300.4	16961.2	20380.1	20694.9
57.5°	2741.6	2745.8	2785.2	2932.7	3274.2	4027.4	5834.5	10095.2	18117.7	21625.1	21923.1
60°	2647.5	2648.9	2675.6	2789.4	3076.1	3721.1	5193.7	9683.5	19049.4	22580.7	23065.5
62.5°	2521.0	2521.0	2537.9	2633.4	2873.7	3404.9	4578.3	9045.5	19558.0	23277.7	23630.4
65°	2339.7	2342.5	2359.4	2421.2	2608.1	3060.6	4000.7	8202.4	19527.1	23619.2	23973.3
67.5°	1992.6	1985.6	2086.8	2187.9	2334.1	2712.1	3434.4	7374.7	18818.9	23473.0	23804.7
70°	1443.2	1433.3	1492.4	1635.7	1988.4	2265.2	2918.7	6683.3	16784.1	22926.4	23201.8
72.5°	1184.6	1190.2	1193.0	1174.8	1330.8	1833.8	2438.1	5878.1	13848.6	21249.9	22107.1
75°	937.3	923.2	938.7	952.7	994.9	1075.0	1972.9	4894.4	11239.1	17818.4	19264.4
77.5°	591.6	583.2	581.8	590.2	645.0	681.5	1208.5	3587.6	7820.1	11271.4	11366.9
80°	411.7	410.3	411.7	423.0	441.2	449.7	670.3	1965.9	3937.5	4104.7	4031.6
82.5°	292.3	282.5	274.0	295.1	285.3	276.8	403.3	900.8	1062.4	723.7	587.4
85°	144.7	147.5	125.1	158.8	149.0	144.7	157.4	171.4	158.8	296.5	335.9
87.5°	40.8	39.3	43.6	50.6	49.2	56.2	50.6	54.8	64.6	112.4	111.0
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)