

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: P510219

Luminaire Tested: **VERD-M-CA4-230-730-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510219
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-CA4-230-730-U-T1
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 3000K, 1050mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33762 lumens
Efficiency: N/A
Efficacy: 144.7 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

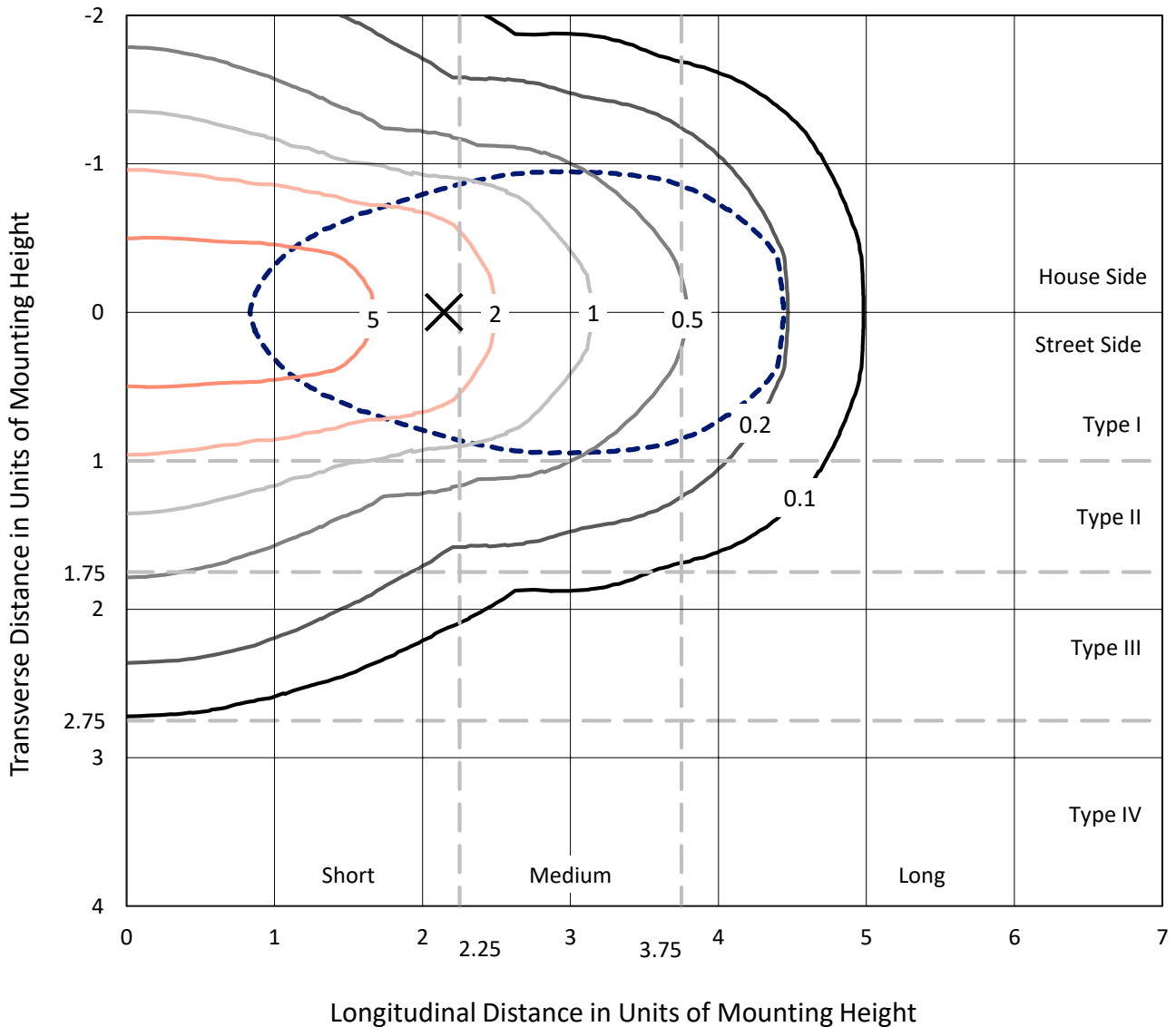
Input Watts (W): 233.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

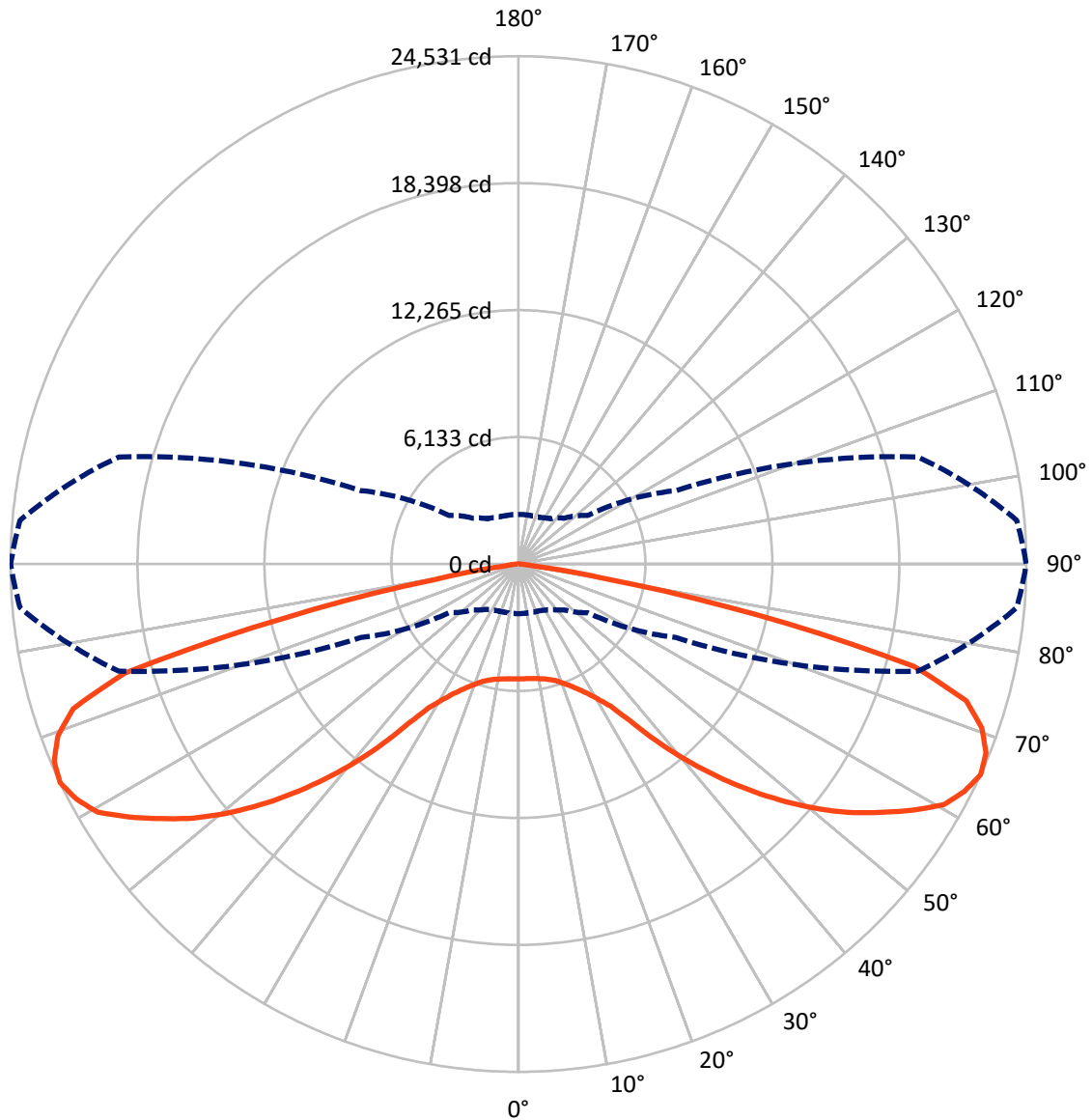
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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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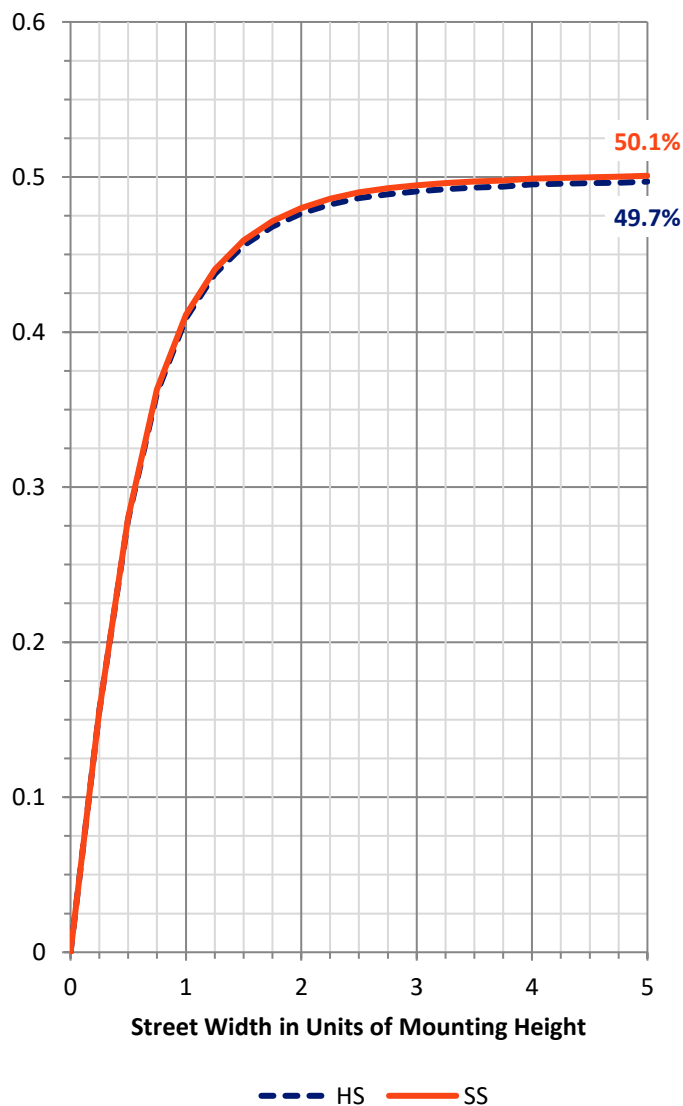
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16881.0	0.0	16881.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16881.0	0.0	16881.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33762.0	0.0	33762.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.6	1.6
10°-20°	1569.7	4.6
20°-30°	2591.5	7.7
30°-40°	3797.2	11.2
40°-50°	5538.9	16.4
50°-60°	7171.1	21.2
60°-70°	7555.2	22.4
70°-80°	4611.2	13.7
80°-90°	398.6	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°	33762.0	100.0
0°-180°	33762.0	100.0

Coefficient of Utilization



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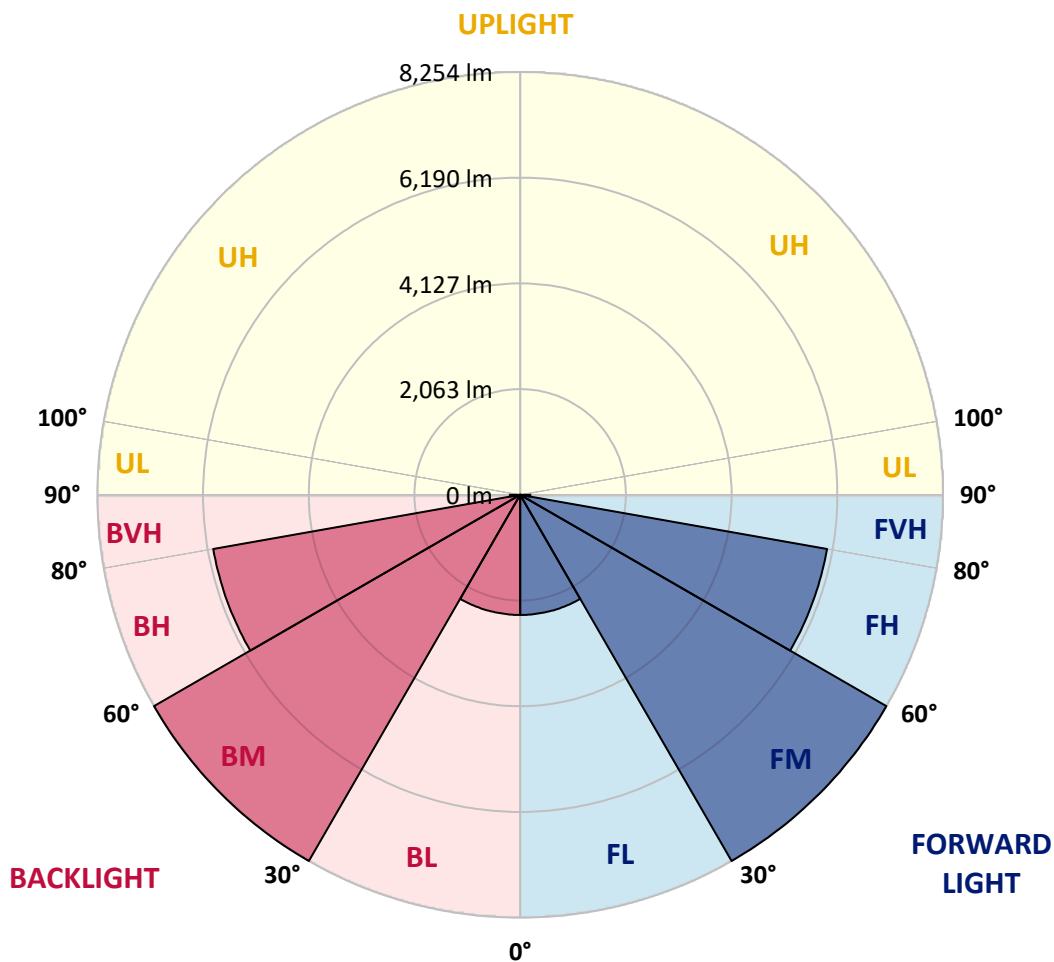
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2344.9	6.9			
FM	(30°-60°)	8253.6	24.4			
FH	(60°-80°)	6083.2	18.0			G3/7500
FVH	(80°-90°)	199.3	0.6			G2/225
BL	(0°-30°)	2344.9	6.9	B3/2500		
BM	(30°-60°)	8253.6	24.4	B4/8500		
BH	(60°-80°)	6083.2	18.0	B5		G5
BVH	(80°-90°)	199.3	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°	5554.6	5554.6	5554.6	5554.6	5554.6	5554.6	5554.6	5554.6	5554.6	5554.6	5554.6
2.5°	5508.6	5553.2	5560.4	5541.7	5543.1	5540.2	5551.7	5556.0	5561.8	5553.2	5548.9
5°	5500.0	5538.8	5546.0	5537.4	5548.9	5546.0	5551.7	5561.8	5560.4	5557.5	5557.5
7.5°	5454.0	5482.7	5505.7	5500.0	5502.8	5521.5	5541.7	5574.7	5590.6	5590.6	5587.7
10°	5393.6	5423.8	5462.6	5454.0	5472.6	5511.5	5551.7	5586.2	5626.5	5635.1	5635.1
12.5°	5328.9	5370.6	5407.9	5416.6	5459.7	5504.3	5577.6	5630.8	5676.8	5697.0	5695.5
15°	5242.6	5278.5	5323.1	5354.7	5423.8	5520.1	5616.4	5698.4	5764.5	5791.9	5796.2
17.5°	5127.6	5166.4	5213.8	5280.0	5400.8	5538.8	5688.3	5799.1	5899.7	5928.5	5928.5
20°	4976.6	5018.3	5075.8	5177.9	5341.8	5557.5	5757.4	5931.3	6062.2	6129.8	6139.8
22.5°	4742.2	4788.2	4881.7	5058.5	5274.2	5554.6	5839.3	6086.6	6283.6	6371.3	6381.4
25°	4481.9	4540.9	4673.2	4906.1	5190.8	5551.7	5921.3	6262.1	6525.2	6660.4	6689.1
27.5°	4251.9	4307.9	4470.4	4758.0	5113.2	5557.5	6003.2	6463.4	6843.0	7037.1	7061.5
30°	4026.1	4076.4	4257.6	4599.8	5041.3	5564.7	6108.2	6694.9	7203.9	7500.1	7559.0
32.5°	3840.6	3891.0	4066.4	4431.6	4953.6	5580.5	6241.9	7004.0	7705.7	8148.6	8186.0
35°	3678.1	3735.7	3889.5	4261.9	4837.1	5603.5	6410.2	7409.5	8424.7	9241.4	9284.5
37.5°	3537.2	3583.2	3719.8	4082.2	4714.9	5607.8	6605.7	7885.4	9353.5	10559.9	10854.7
40°	3443.8	3475.4	3580.4	3916.8	4553.8	5571.9	6830.0	8417.5	10388.8	12091.3	12427.8
42.5°	3358.9	3387.7	3471.1	3764.4	4385.6	5502.8	7038.5	8963.9	11425.6	13655.7	13973.5
45°	3256.8	3279.8	3364.7	3635.0	4221.7	5396.4	7211.1	9470.0	12498.2	15227.4	15526.4
47.5°	3173.4	3190.7	3262.6	3518.5	4039.1	5225.3	7284.4	9928.7	13648.5	16681.1	17052.1
50°	3115.9	3110.2	3173.4	3397.8	3852.1	4986.6	7222.6	10268.0	14860.7	18136.2	18536.0
52.5°	3016.7	3022.5	3082.9	3272.7	3696.8	4691.9	6981.0	10506.7	16080.0	19464.9	19937.9
55°	2914.6	2923.3	2970.7	3141.8	3532.9	4411.5	6533.8	10539.8	17355.5	20853.9	21176.0
57.5°	2805.3	2809.7	2849.9	3000.9	3350.3	4121.0	5970.2	10329.9	18538.8	22127.8	22432.7
60°	2709.0	2710.4	2737.8	2854.2	3147.6	3807.6	5314.5	9908.6	19492.2	23105.6	23601.7
62.5°	2579.6	2579.6	2596.8	2694.6	2940.5	3484.0	4684.7	9255.8	20012.7	23818.8	24179.7
65°	2394.1	2397.0	2414.2	2477.5	2668.7	3131.7	4093.7	8393.0	19981.1	24168.2	24530.6
67.5°	2038.9	2031.8	2135.3	2238.8	2388.4	2775.1	3514.2	7546.1	19256.4	24018.7	24358.0
70°	1476.7	1466.7	1527.0	1673.7	2034.6	2317.9	2986.5	6838.7	17174.3	23459.3	23741.2
72.5°	1212.1	1217.9	1220.8	1202.1	1361.7	1876.5	2494.8	6014.7	14170.5	21743.9	22621.0
75°	959.1	944.7	960.5	974.9	1018.0	1100.0	2018.8	5008.2	11500.3	18232.6	19712.2
77.5°	605.4	596.7	595.3	603.9	660.0	697.4	1236.6	3671.0	8001.9	11533.4	11631.2
80°	421.3	419.9	421.3	432.8	451.5	460.1	685.9	2011.6	4029.0	4200.1	4125.3
82.5°	299.1	289.0	280.4	302.0	291.9	283.3	412.7	921.7	1087.1	740.5	601.0
85°	148.1	151.0	128.0	162.5	152.4	148.1	161.0	175.4	162.5	303.4	343.7
87.5°	41.7	40.3	44.6	51.8	50.3	57.5	51.8	56.1	66.1	115.0	113.6
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)