

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: P510075

Luminaire Tested: **VERD-M-CA4-200-730-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510075  
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-CA4-200-730-U-T1  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 3000K, 910mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29970 lumens  
Efficiency: N/A  
Efficacy: 148.5 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

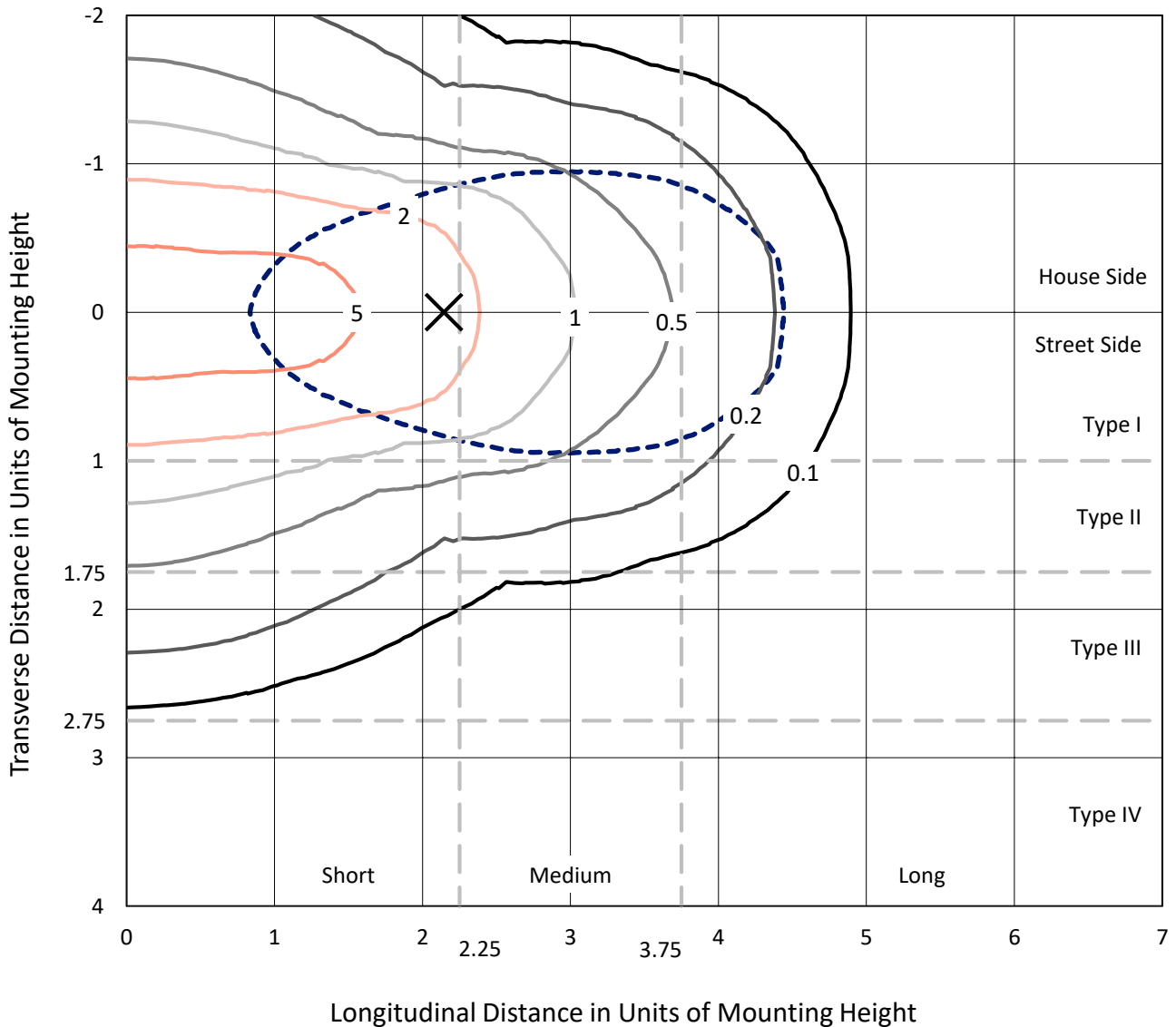
Input Watts (W): 201.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

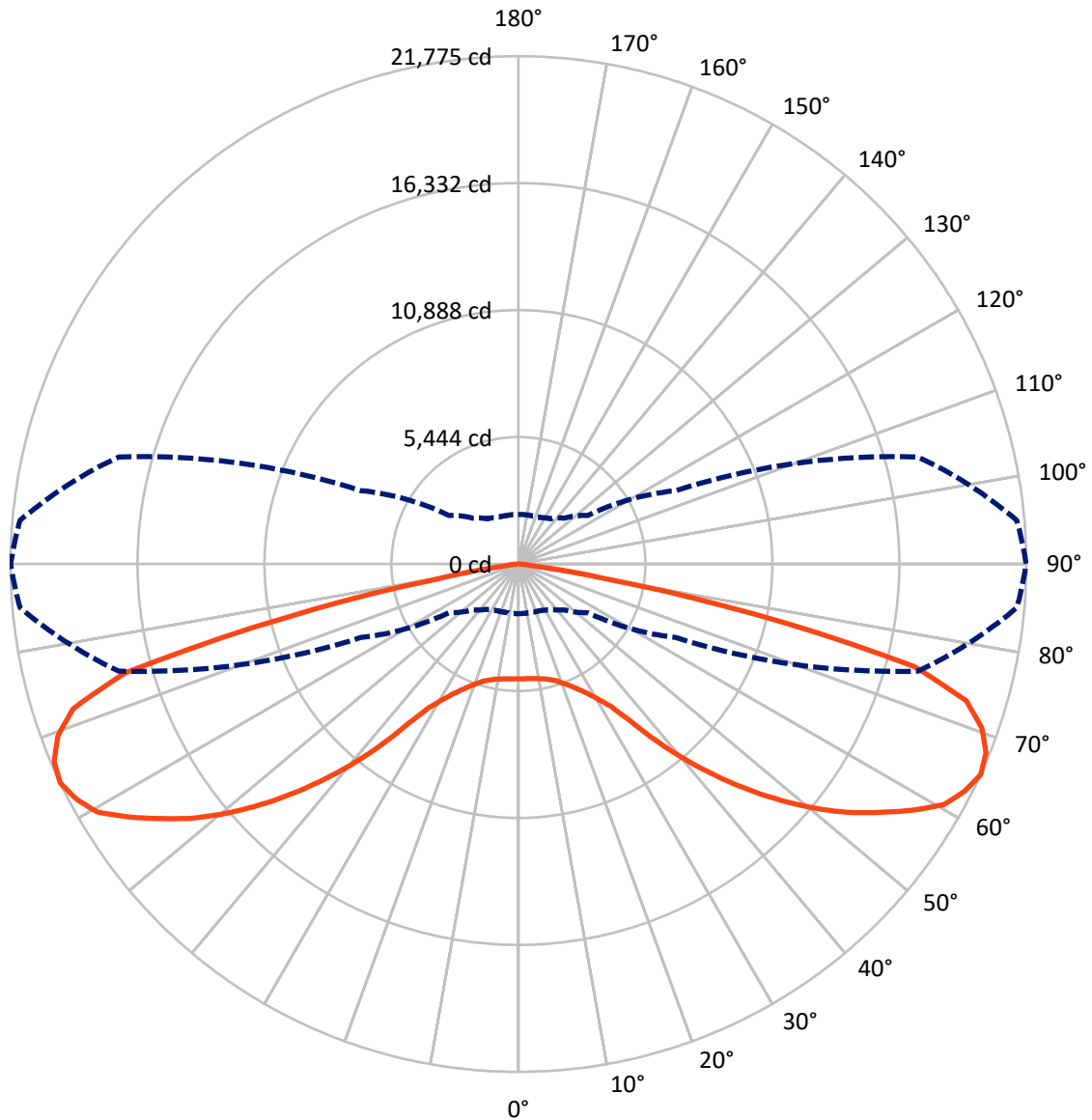
✕ Max cd  
 - - - 1/2 Max cd



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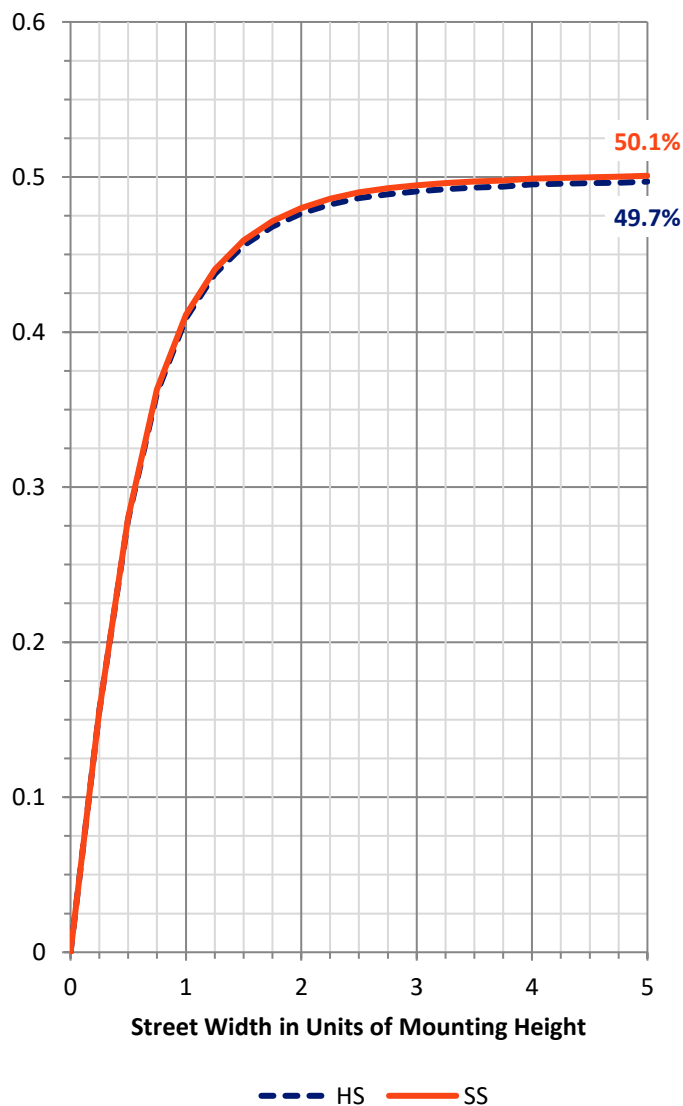
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14985.0	0.0	14985.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14985.0	0.0	14985.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29970.0	0.0	29970.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.3	1.6
10°-20°	1393.4	4.6
20°-30°	2300.4	7.7
30°-40°	3370.7	11.2
40°-50°	4916.8	16.4
50°-60°	6365.7	21.2
60°-70°	6706.6	22.4
70°-80°	4093.3	13.7
80°-90°	353.8	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°	29970.0	100.0
0°-180°	29970.0	100.0

**Coefficient of Utilization**



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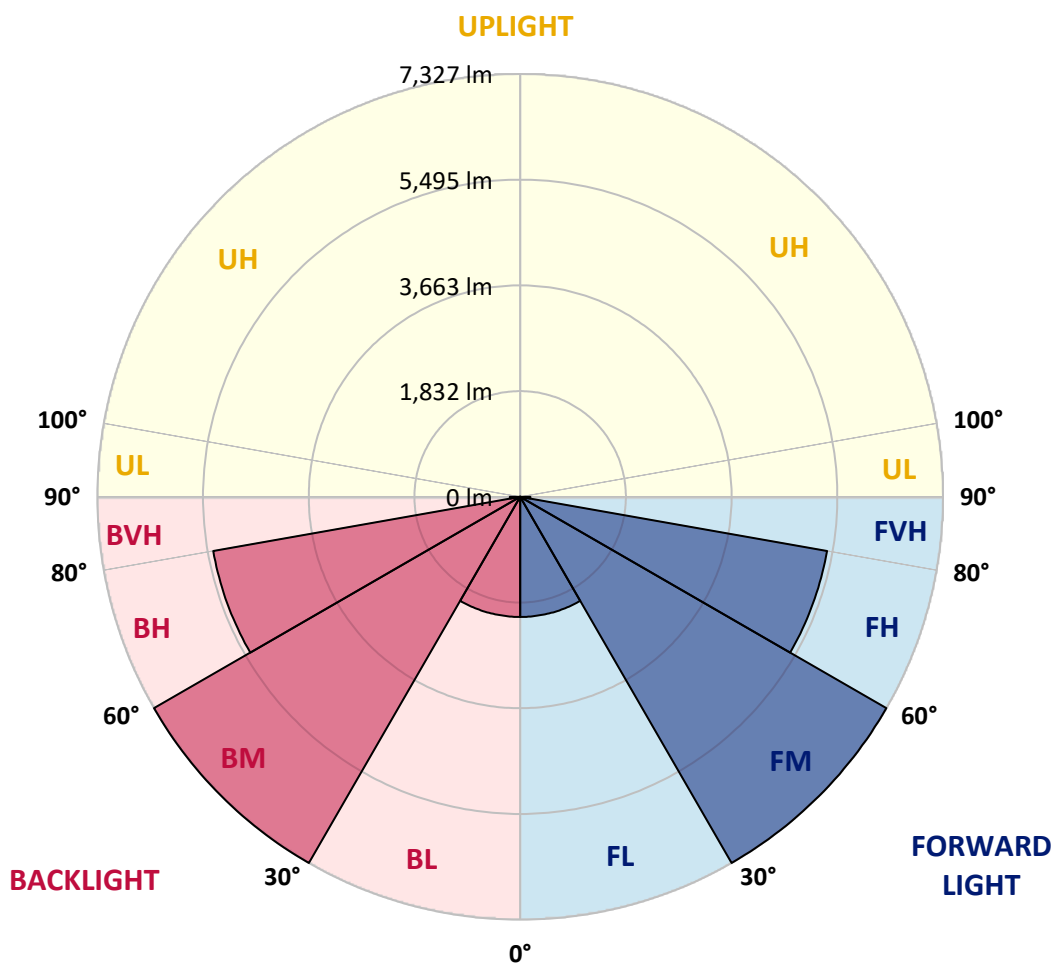
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2081.5	6.9			
FM (30°-60°)	7326.6	24.4			
FH (60°-80°)	5400.0	18.0			G3/7500
FVH (80°-90°)	176.9	0.6			G2/225
BL (0°-30°)	2081.5	6.9	B3/2500		
BM (30°-60°)	7326.6	24.4	B4/8500		
BH (60°-80°)	5400.0	18.0	B5		G5
BVH (80°-90°)	176.9	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°	4930.7	4930.7	4930.7	4930.7	4930.7	4930.7	4930.7	4930.7	4930.7	4930.7	4930.7
2.5°	4889.9	4929.5	4935.8	4919.3	4920.5	4918.0	4928.2	4932.0	4937.1	4929.5	4925.6
5°	4882.2	4916.7	4923.1	4915.4	4925.6	4923.1	4928.2	4937.1	4935.8	4933.3	4933.3
7.5°	4841.4	4866.9	4887.3	4882.2	4884.8	4901.4	4919.3	4948.6	4962.6	4962.6	4960.1
10°	4787.8	4814.6	4849.0	4841.4	4858.0	4892.4	4928.2	4958.8	4994.6	5002.2	5002.2
12.5°	4730.3	4767.4	4800.5	4808.2	4846.5	4886.1	4951.2	4998.4	5039.2	5057.1	5055.8
15°	4653.8	4685.7	4725.2	4753.3	4814.6	4900.1	4985.6	5058.4	5117.1	5141.3	5145.2
17.5°	4551.6	4586.1	4628.2	4686.9	4794.2	4916.7	5049.4	5147.7	5237.1	5262.6	5262.6
20°	4417.6	4454.6	4505.7	4596.3	4741.8	4933.3	5110.7	5265.2	5381.3	5441.3	5450.2
22.5°	4209.6	4250.4	4333.4	4490.4	4681.8	4930.7	5183.5	5403.0	5577.9	5655.7	5664.7
25°	3978.5	4030.9	4148.3	4355.1	4607.8	4928.2	5256.2	5558.7	5792.3	5912.3	5937.8
27.5°	3774.3	3824.1	3968.3	4223.6	4538.9	4933.3	5329.0	5737.4	6074.4	6246.7	6268.4
30°	3573.9	3618.6	3779.4	4083.2	4475.1	4939.7	5422.2	5942.9	6394.8	6657.7	6710.0
32.5°	3409.3	3453.9	3609.7	3933.9	4397.2	4953.7	5540.9	6217.4	6840.2	7233.4	7266.6
35°	3265.0	3316.1	3452.7	3783.3	4293.8	4974.1	5690.2	6577.3	7478.4	8203.4	8241.7
37.5°	3139.9	3180.8	3302.1	3623.7	4185.3	4978.0	5863.8	6999.8	8303.0	9373.9	9635.6
40°	3057.0	3085.1	3178.2	3476.9	4042.4	4946.1	6062.9	7472.1	9222.0	10733.3	11031.9
42.5°	2981.7	3007.2	3081.2	3341.6	3893.0	4884.8	6248.0	7957.1	10142.3	12122.0	12404.1
45°	2891.0	2911.5	2986.8	3226.7	3747.5	4790.3	6401.2	8406.4	11094.5	13517.1	13782.6
47.5°	2817.0	2832.3	2896.2	3123.4	3585.4	4638.4	6466.2	8813.6	12115.6	14807.5	15136.8
50°	2766.0	2760.9	2817.0	3016.1	3419.5	4426.6	6411.4	9114.8	13191.6	16099.3	16454.1
52.5°	2677.9	2683.0	2736.6	2905.1	3281.6	4164.9	6196.9	9326.7	14274.0	17278.6	17698.6
55°	2587.3	2594.9	2637.0	2788.9	3136.1	3916.0	5800.0	9356.0	15406.2	18511.6	18797.6
57.5°	2490.3	2494.1	2529.8	2663.8	2974.0	3658.2	5299.6	9169.7	16456.6	19642.5	19913.1
60°	2404.7	2406.0	2430.3	2533.7	2794.0	3379.9	4717.6	8795.7	17302.9	20510.5	20950.9
62.5°	2289.9	2289.9	2305.2	2392.0	2610.2	3092.7	4158.5	8216.2	17765.0	21143.6	21464.0
65°	2125.2	2127.8	2143.1	2199.2	2369.0	2780.0	3633.9	7450.4	17736.9	21453.8	21775.4
67.5°	1809.9	1803.6	1895.5	1987.4	2120.1	2463.5	3119.5	6698.6	17093.6	21321.0	21622.2
70°	1310.9	1301.9	1355.5	1485.7	1806.1	2057.6	2651.1	6070.6	15245.3	20824.5	21074.7
72.5°	1076.0	1081.1	1083.7	1067.1	1208.8	1665.7	2214.6	5339.2	12578.9	19301.7	20080.3
75°	851.4	838.6	852.6	865.4	903.7	976.4	1792.1	4445.7	10208.7	16184.8	17498.2
77.5°	537.4	529.7	528.4	536.1	585.9	619.1	1097.7	3258.7	7103.2	10238.0	10324.8
80°	374.0	372.7	374.0	384.2	400.8	408.4	608.8	1785.7	3576.5	3728.4	3662.0
82.5°	265.5	256.6	248.9	268.0	259.1	251.5	366.3	818.2	965.0	657.3	533.5
85°	131.5	134.0	113.6	144.2	135.3	131.5	143.0	155.7	144.2	269.3	305.1
87.5°	37.0	35.7	39.6	46.0	44.7	51.1	46.0	49.8	58.7	102.1	100.8
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)