

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: P509851

Luminaire Tested: **VERD-M-CA3-150-750-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509851  
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-CA3-150-750-U-T1  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(3) 70 CRI, 5000K, 940mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23911 lumens  
Efficiency: N/A  
Efficacy: 156.3 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

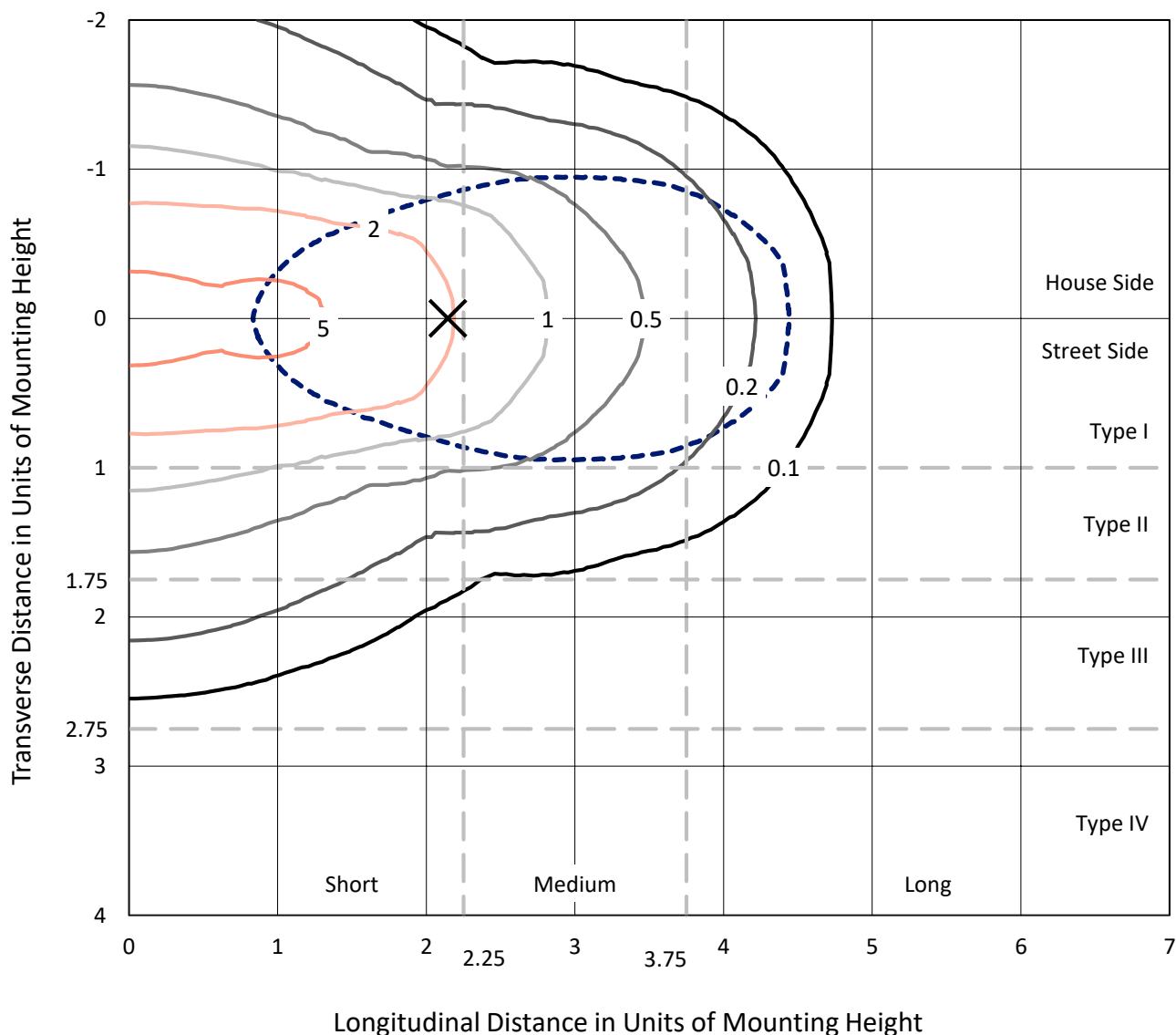
Input Watts (W): 153  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

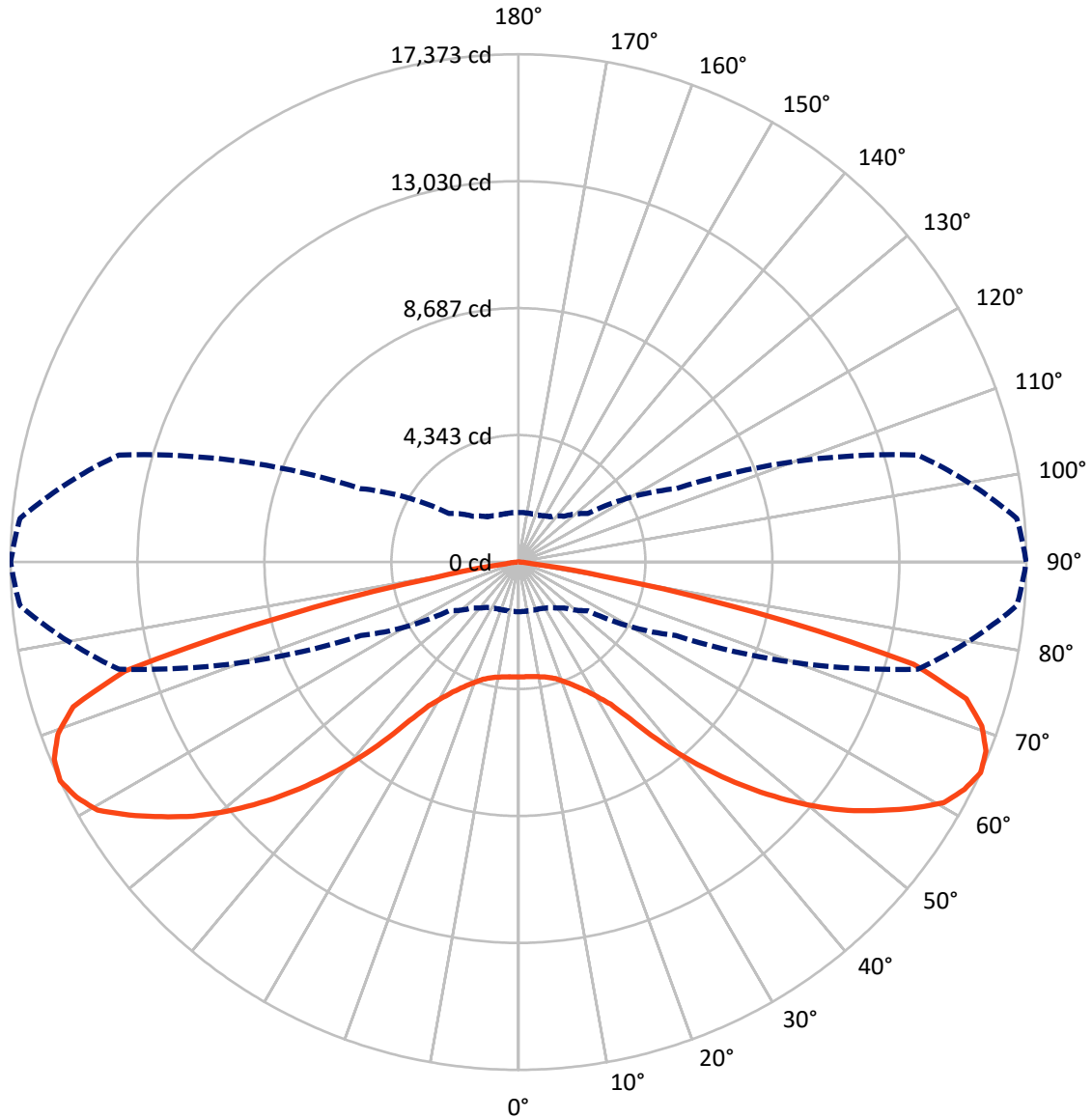
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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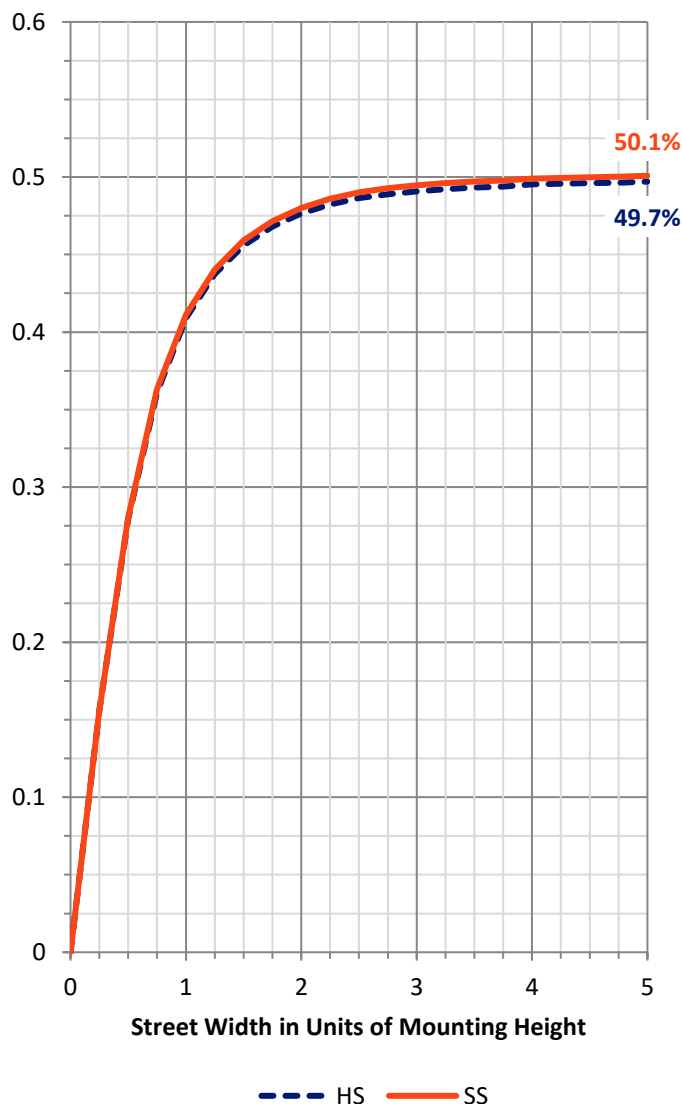
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11955.5	0.0	11955.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11955.5	0.0	11955.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23911.0	0.0	23911.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	374.4	1.6
10°-20°	1111.7	4.6
20°-30°	1835.3	7.7
30°-40°	2689.3	11.2
40°-50°	3922.8	16.4
50°-60°	5078.7	21.2
60°-70°	5350.8	22.4
70°-80°	3265.8	13.7
80°-90°	282.3	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°	23911.0	100.0
0°-180°	23911.0	100.0



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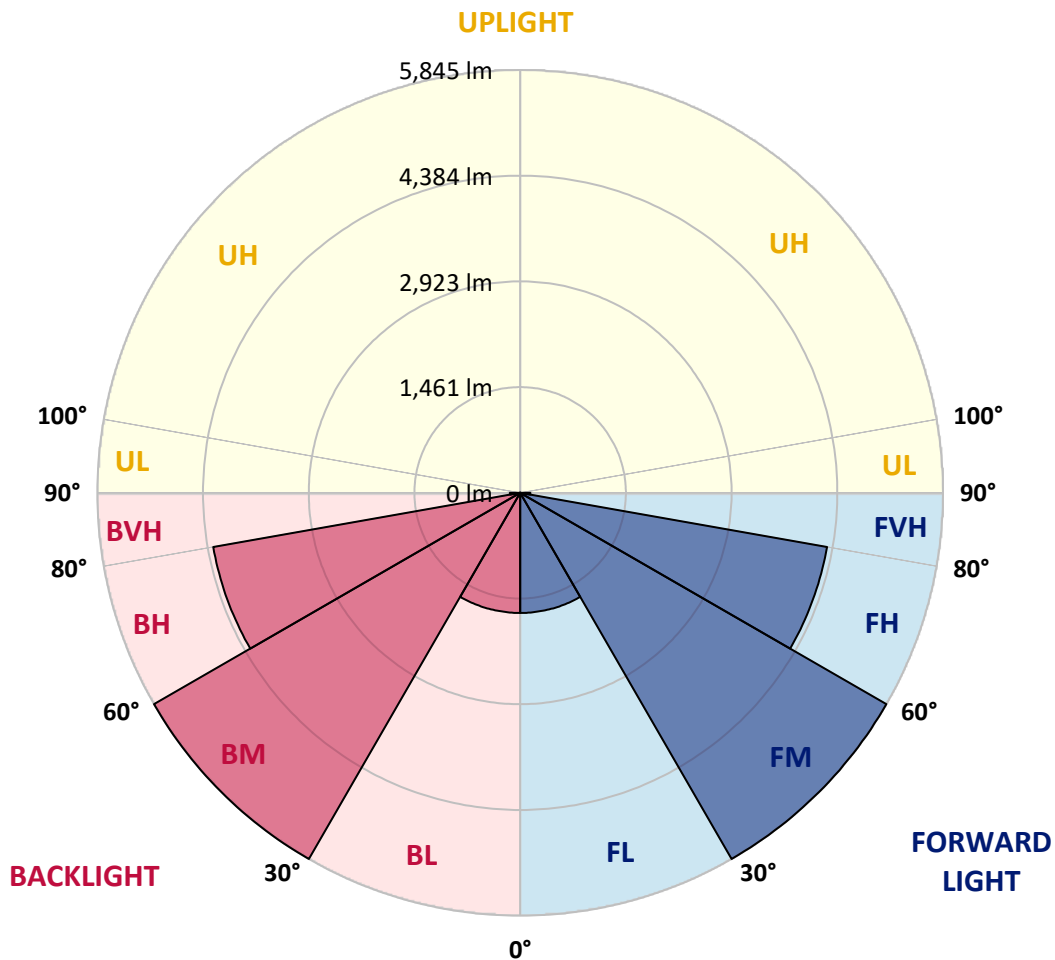
CATALOG NUMBER: VERD-M-CA3-150-750-U-T1

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1660.7	6.9			
FM	(30°-60°)	5845.4	24.4			
FH	(60°-80°)	4308.3	18.0			G2/5000
FVH	(80°-90°)	141.2	0.6			G2/225
BL	(0°-30°)	1660.7	6.9	B3/2500		
BM	(30°-60°)	5845.4	24.4	B4/8500		
BH	(60°-80°)	4308.3	18.0	B4/5000		G4/5000
BVH	(80°-90°)	141.2	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°	3933.9	3933.9	3933.9	3933.9	3933.9	3933.9	3933.9	3933.9	3933.9	3933.9	3933.9
2.5°	3901.3	3932.9	3938.0	3924.7	3925.7	3923.7	3931.9	3934.9	3939.0	3932.9	3929.8
5°	3895.2	3922.7	3927.8	3921.7	3929.8	3927.8	3931.9	3939.0	3938.0	3935.9	3935.9
7.5°	3862.6	3883.0	3899.3	3895.2	3897.2	3910.5	3924.7	3948.2	3959.4	3959.4	3957.3
10°	3819.8	3841.2	3868.7	3862.6	3875.9	3903.3	3931.9	3956.3	3984.8	3990.9	3990.9
12.5°	3774.0	3803.5	3830.0	3836.1	3866.7	3898.3	3950.2	3987.9	4020.5	4034.7	4033.7
15°	3712.9	3738.4	3769.9	3792.3	3841.2	3909.5	3977.7	4035.7	4082.6	4101.9	4105.0
17.5°	3631.4	3658.9	3692.5	3739.4	3824.9	3922.7	4028.6	4107.0	4178.3	4198.7	4198.7
20°	3524.5	3554.1	3594.8	3667.1	3783.2	3935.9	4077.5	4200.7	4293.4	4341.2	4348.4
22.5°	3358.5	3391.1	3457.3	3582.6	3735.3	3933.9	4135.5	4310.7	4450.2	4512.3	4519.4
25°	3174.2	3216.0	3309.6	3474.6	3676.3	3931.9	4193.6	4434.9	4621.3	4717.0	4737.4
27.5°	3011.3	3051.0	3166.1	3369.7	3621.3	3935.9	4251.6	4577.5	4846.3	4983.8	5001.1
30°	2851.4	2887.0	3015.3	3257.7	3570.3	3941.0	4326.0	4741.5	5101.9	5311.7	5353.5
32.5°	2720.0	2755.7	2879.9	3138.6	3508.2	3952.2	4420.7	4960.4	5457.4	5771.0	5797.5
35°	2604.9	2645.7	2754.6	3018.4	3425.7	3968.5	4539.8	5247.6	5966.5	6545.0	6575.5
37.5°	2505.1	2537.7	2634.5	2891.1	3339.2	3971.6	4678.3	5584.6	6624.4	7478.8	7687.5
40°	2439.0	2461.4	2535.7	2774.0	3225.1	3946.1	4837.2	5961.4	7357.6	8563.3	8801.6
42.5°	2378.9	2399.2	2458.3	2666.0	3106.0	3897.2	4984.8	6348.4	8091.8	9671.3	9896.4
45°	2306.6	2322.9	2382.9	2574.4	2989.9	3821.9	5107.0	6706.9	8851.5	10784.4	10996.2
47.5°	2247.5	2259.7	2310.6	2491.9	2860.6	3700.7	5159.0	7031.7	9666.2	11813.9	12076.6
50°	2206.8	2202.7	2247.5	2406.4	2728.2	3531.6	5115.2	7272.1	10524.7	12844.5	13127.6
52.5°	2136.5	2140.6	2183.3	2317.8	2618.2	3322.9	4944.1	7441.1	11388.2	13785.4	14120.5
55°	2064.2	2070.3	2103.9	2225.1	2502.1	3124.3	4627.4	7464.5	12291.5	14769.2	14997.3
57.5°	1986.8	1989.9	2018.4	2125.3	2372.8	2918.6	4228.2	7315.8	13129.6	15671.4	15887.3
60°	1918.6	1919.6	1938.9	2021.4	2229.2	2696.6	3763.8	7017.5	13804.8	16363.9	16715.2
62.5°	1826.9	1826.9	1839.1	1908.4	2082.5	2467.5	3317.8	6555.1	14173.4	16869.0	17124.6
65°	1695.6	1697.6	1709.8	1754.6	1890.1	2218.0	2899.3	5944.1	14151.0	17116.5	17373.1
67.5°	1444.0	1438.9	1512.3	1585.6	1691.5	1965.4	2488.9	5344.3	13637.8	17010.6	17250.9
70°	1045.8	1038.7	1081.5	1185.4	1441.0	1641.6	2115.1	4843.3	12163.2	16614.4	16814.0
72.5°	858.5	862.5	864.6	851.3	964.4	1329.0	1766.8	4259.8	10035.9	15399.5	16020.7
75°	679.2	669.1	680.3	690.4	721.0	779.0	1429.8	3546.9	8144.8	12912.7	13960.6
77.5°	428.7	422.6	421.6	427.7	467.4	493.9	875.8	2599.9	5667.1	8168.2	8237.5
80°	298.4	297.4	298.4	306.5	319.8	325.9	485.8	1424.7	2853.4	2974.6	2921.7
82.5°	211.8	204.7	198.6	213.9	206.7	200.6	292.3	652.8	769.9	524.5	425.7
85°	104.9	106.9	90.6	115.1	107.9	104.9	114.1	124.2	115.1	214.9	243.4
87.5°	29.5	28.5	31.6	36.7	35.6	40.7	36.7	39.7	46.8	81.5	80.4
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)