

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: P510290

Luminaire Tested: **VERD-M-CA4-240-750-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510290  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-181-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/6/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-M-CA4-240-750-U-T5  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 5000K, 1090mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35067 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 V - Short  
BUG Rating: B5 - U0 - G5

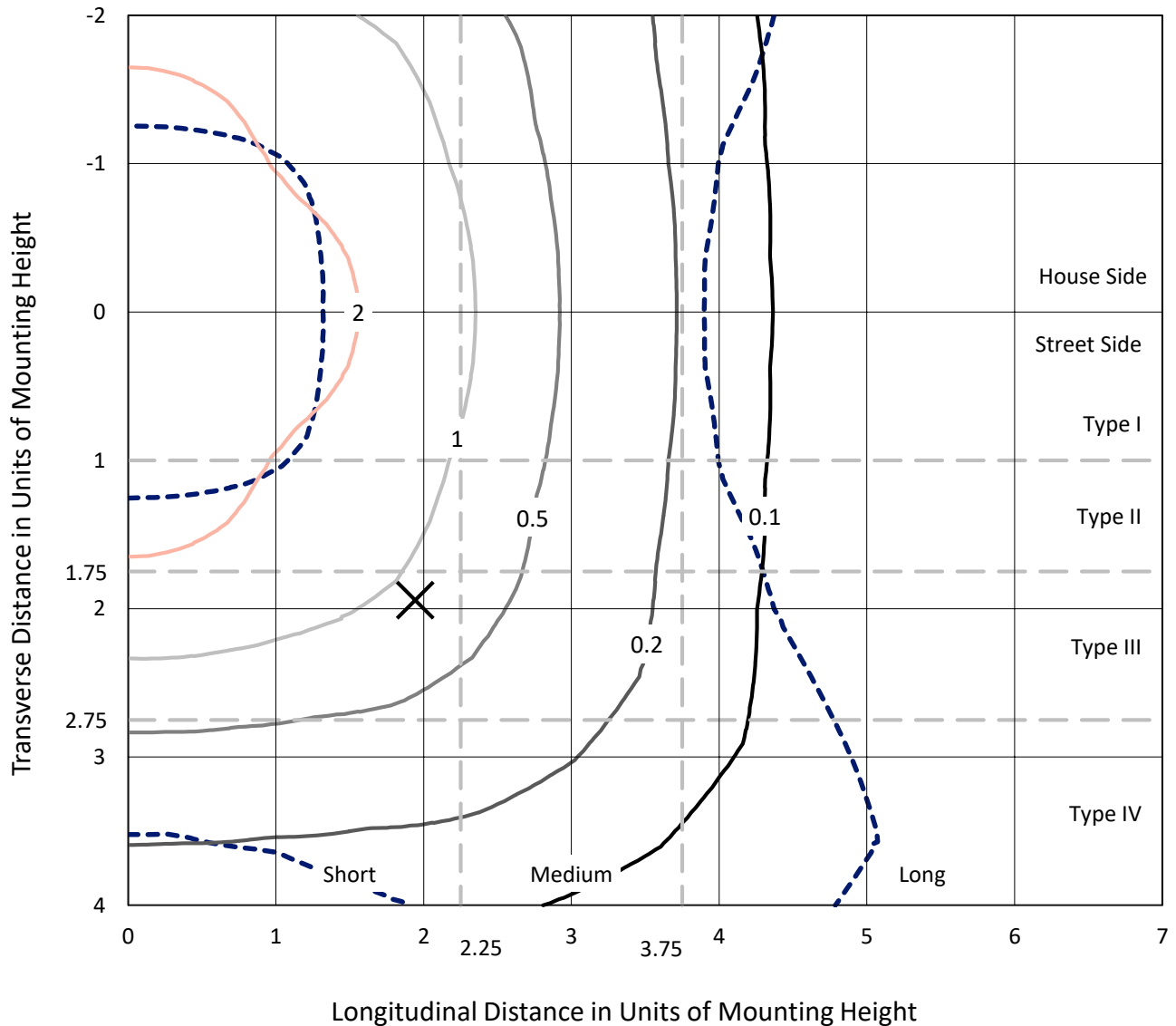
Input Watts (W): 242.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

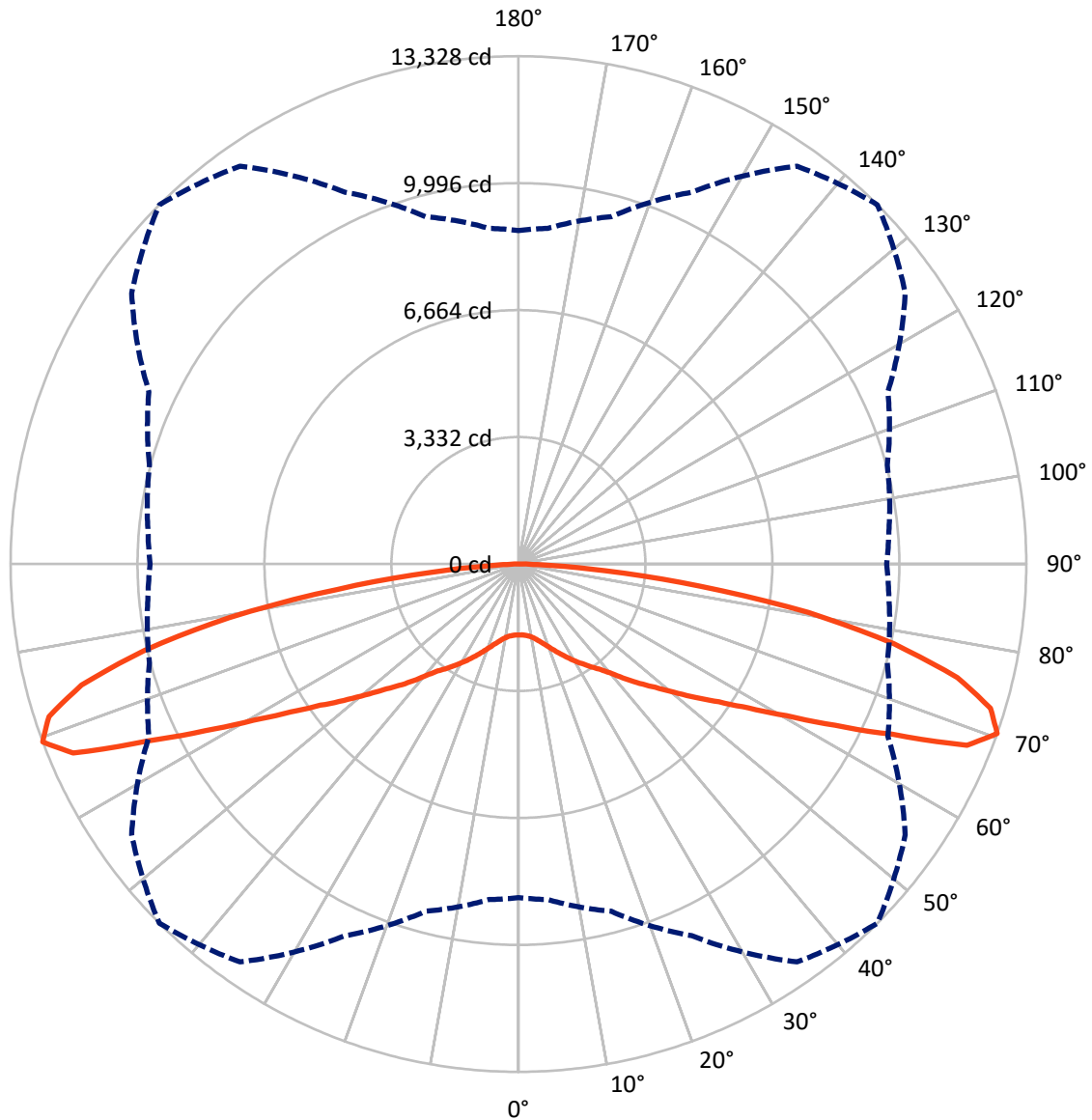
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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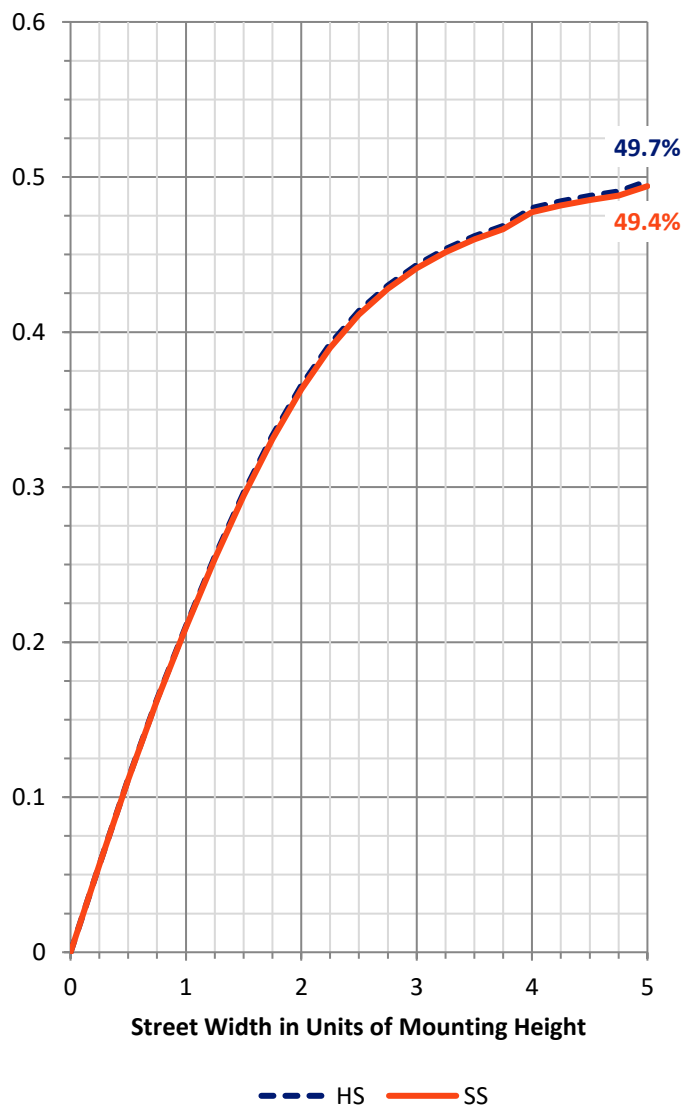
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17533.5	0.0	17533.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17533.5	0.0	17533.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35067.0	0.0	35067.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.4	0.5
10°-20°	603.7	1.7
20°-30°	1207.5	3.4
30°-40°	2100.9	6.0
40°-50°	3655.2	10.4
50°-60°	6364.1	18.1
60°-70°	10307.2	29.4
70°-80°	8842.4	25.2
80°-90°	1803.6	5.1
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°	35067.0	100.0
0°-180°	35067.0	100.0

**Coefficient of Utilization**



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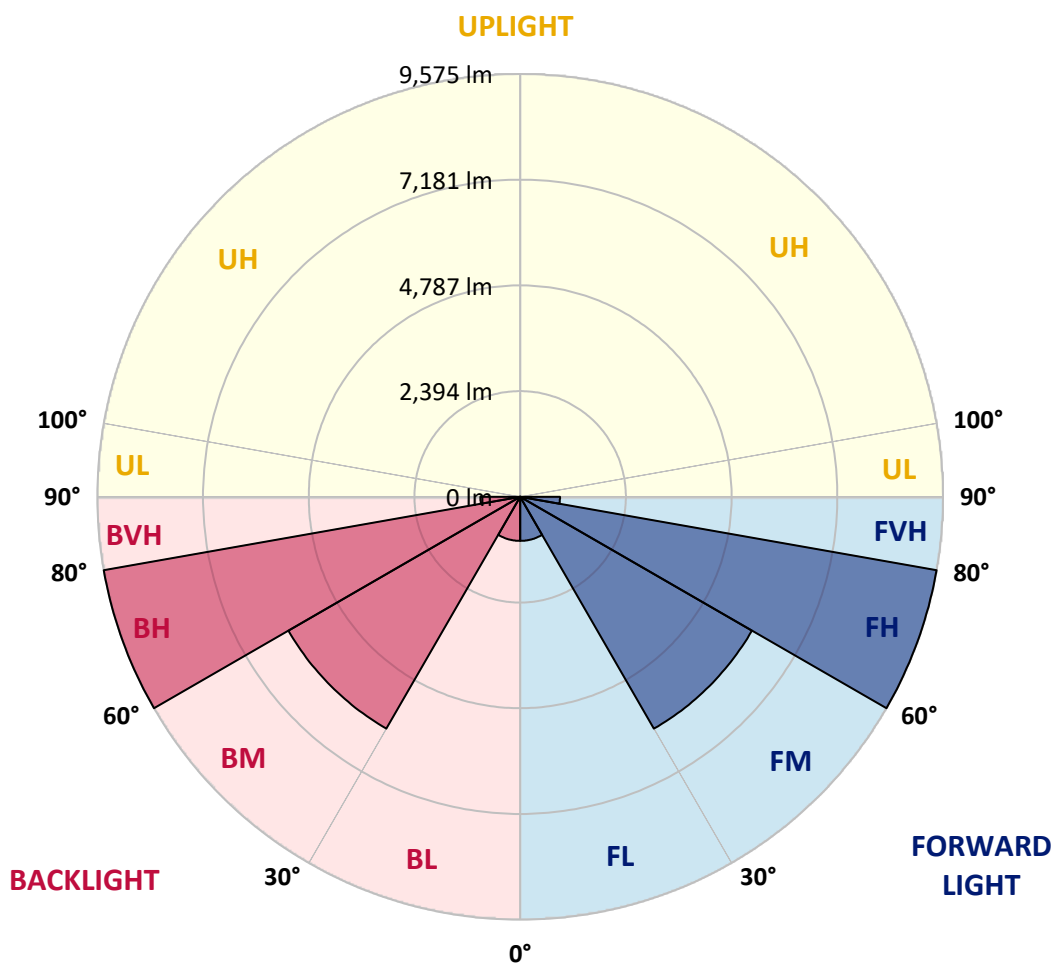
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	996.8	2.8			
FM (30°-60°)	6060.1	17.3			
FH (60°-80°)	9574.8	27.3			G4/12000
FVH (80°-90°)	901.8	2.6			G5
BL (0°-30°)	996.8	2.8	B2/1000		
BM (30°-60°)	6060.1	17.3	B4/8500		
BH (60°-80°)	9574.8	27.3	B5		G4/12000
BVH (80°-90°)	901.8	2.6			G5
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1865.1	1865.1	1865.1	1865.1	1865.1	1865.1	1865.1	1865.1	1865.1	1865.1	1865.1
2.5°	1859.0	1869.8	1868.2	1865.1	1860.5	1860.5	1863.6	1874.4	1875.9	1875.9	1875.9
5°	1880.5	1891.3	1889.8	1886.7	1882.1	1880.5	1883.6	1894.4	1895.9	1895.9	1897.5
7.5°	1905.2	1917.5	1917.5	1915.9	1905.2	1905.2	1908.2	1922.1	1922.1	1925.2	1928.2
10°	1946.7	1960.6	1965.2	1959.0	1952.9	1949.8	1952.9	1966.7	1965.2	1962.1	1963.6
12.5°	2003.7	2017.5	2028.3	2026.7	2020.6	2017.5	2020.6	2028.3	2019.0	2006.7	2006.7
15°	2074.4	2092.9	2105.2	2105.2	2112.9	2108.3	2103.7	2105.2	2091.4	2080.6	2080.6
17.5°	2165.2	2180.6	2191.4	2200.6	2212.9	2212.9	2202.2	2199.1	2180.6	2171.4	2172.9
20°	2276.0	2288.3	2303.7	2311.4	2336.1	2337.6	2319.1	2311.4	2293.0	2280.7	2283.7
22.5°	2396.1	2417.6	2423.8	2446.9	2476.1	2477.6	2453.0	2436.1	2417.6	2408.4	2409.9
25°	2540.7	2562.3	2557.7	2577.7	2622.3	2626.9	2599.2	2574.6	2559.2	2550.0	2553.0
27.5°	2699.2	2720.8	2719.2	2719.2	2771.6	2791.6	2753.1	2726.9	2730.0	2713.1	2719.2
30°	2868.5	2887.0	2897.8	2879.3	2930.1	2962.4	2900.8	2903.9	2902.4	2891.6	2890.1
32.5°	3067.0	3084.0	3082.4	3070.1	3085.5	3131.7	3082.4	3097.8	3102.4	3104.0	3116.3
35°	3293.3	3313.3	3291.7	3274.8	3276.3	3321.0	3284.0	3308.6	3333.3	3342.5	3342.5
37.5°	3534.9	3545.6	3522.5	3496.4	3490.2	3514.9	3508.7	3548.7	3590.3	3613.3	3625.7
40°	3847.3	3856.5	3811.9	3761.1	3751.8	3779.5	3787.2	3875.0	3938.1	3981.1	3988.8
42.5°	4281.2	4279.7	4216.6	4122.7	4078.1	4121.2	4176.6	4278.1	4384.3	4393.6	4425.9
45°	4839.8	4818.3	4736.7	4596.7	4484.4	4469.0	4535.1	4686.0	4804.5	4855.2	4875.2
47.5°	5477.0	5452.3	5304.6	5087.6	4895.2	4835.2	4890.6	5079.9	5256.9	5330.8	5370.8
50°	6187.9	6158.7	6009.4	5715.5	5395.4	5286.1	5320.0	5555.4	5761.7	5855.5	5926.3
52.5°	6952.8	6948.1	6757.3	6418.8	5990.9	5814.0	5803.2	6086.4	6363.4	6488.0	6526.5
55°	7773.0	7749.9	7579.1	7211.3	6715.8	6384.9	6386.4	6700.4	7038.9	7202.1	7220.5
57.5°	8577.8	8568.6	8379.3	8065.4	7559.1	7123.6	7080.5	7497.5	7839.2	7973.1	7979.2
60°	9338.1	9367.3	9268.8	8981.0	8573.2	8080.8	8017.7	8370.1	8660.9	8776.4	8817.9
62.5°	10184.5	10193.7	10181.4	9969.0	9658.2	9325.7	9170.3	9350.4	9638.1	9733.6	9713.6
65°	10789.2	10849.3	10989.3	11098.6	11032.4	10778.5	10573.8	10583.0	10640.0	10578.4	10573.8
67.5°	10018.3	10149.1	10626.1	11394.0	12298.9	12694.4	11863.4	10935.4	10590.7	10367.6	10366.0
70°	8753.3	8841.0	9436.5	10764.6	12746.7	13328.4	12391.2	10698.4	10022.9	9758.2	9664.3
72.5°	7446.7	7516.0	8171.6	9527.3	12035.8	12954.5	12054.2	10002.9	9113.4	8530.1	8540.9
75°	6201.8	6191.0	6686.5	8079.2	10653.8	11897.3	11161.7	8902.6	7636.0	7105.1	7045.1
77.5°	4299.7	4398.2	4961.4	6384.9	8637.9	10067.5	9959.8	7328.3	5852.4	5286.1	5323.1
80°	2253.0	2314.5	2982.4	4335.1	6320.3	7722.2	7580.6	5183.0	3781.1	3154.7	3036.3
82.5°	938.7	978.7	1363.5	2342.2	3862.6	4806.0	4741.4	3159.4	2108.3	1468.1	1465.0
85°	398.6	400.1	578.6	1003.4	1949.8	2283.7	1832.8	1357.3	738.7	463.2	414.0
87.5°	169.3	175.4	235.5	460.1	617.1	498.6	293.9	181.6	121.6	73.9	56.9
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)