

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: P510322

Luminaire Tested: **VERD-M-CA4-250-730-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510322
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-CA4-250-730-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 3000K, 1130mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34946 lumens
Efficiency: N/A
Efficacy: 138.8 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

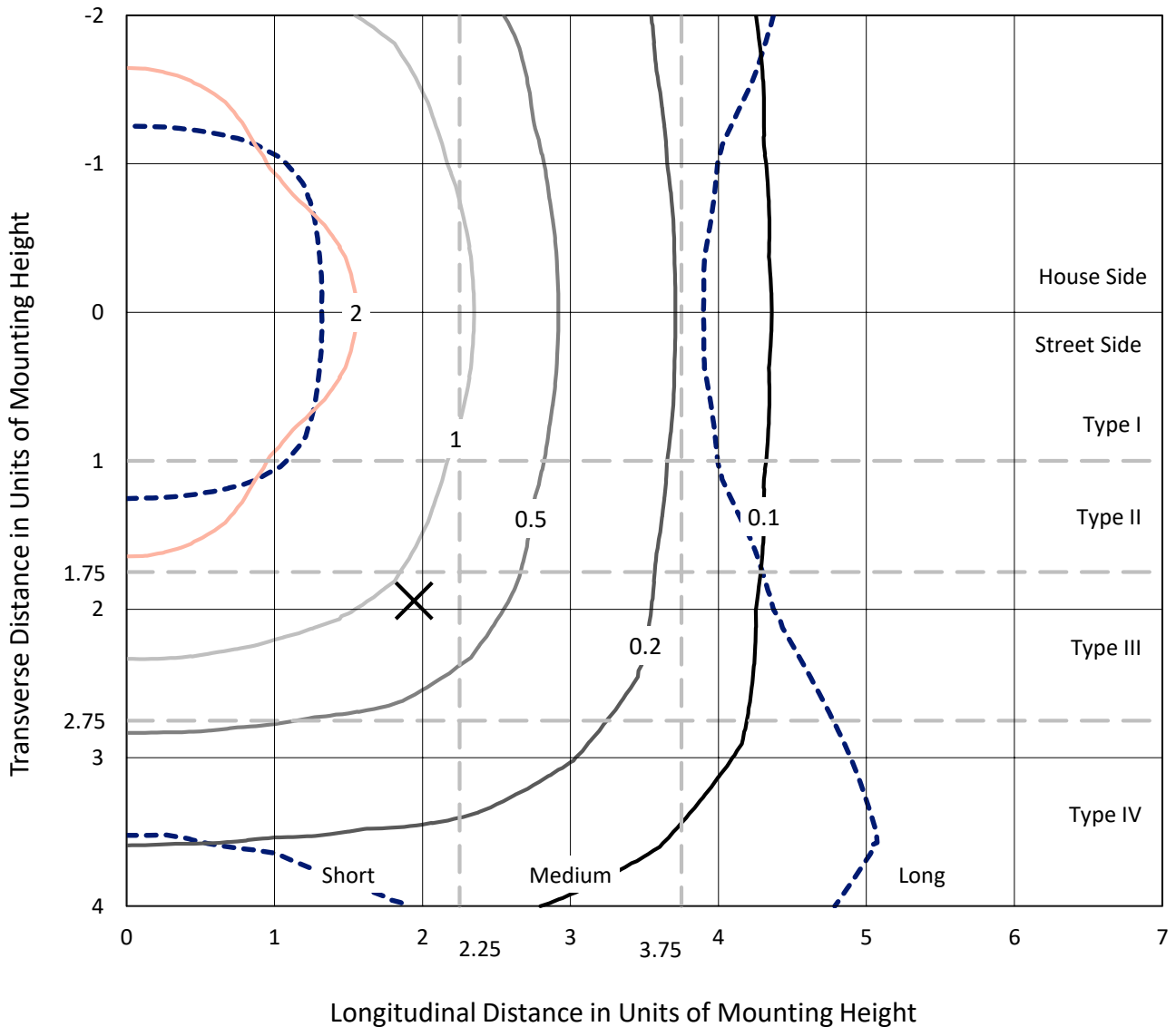
Input Watts (W): 251.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

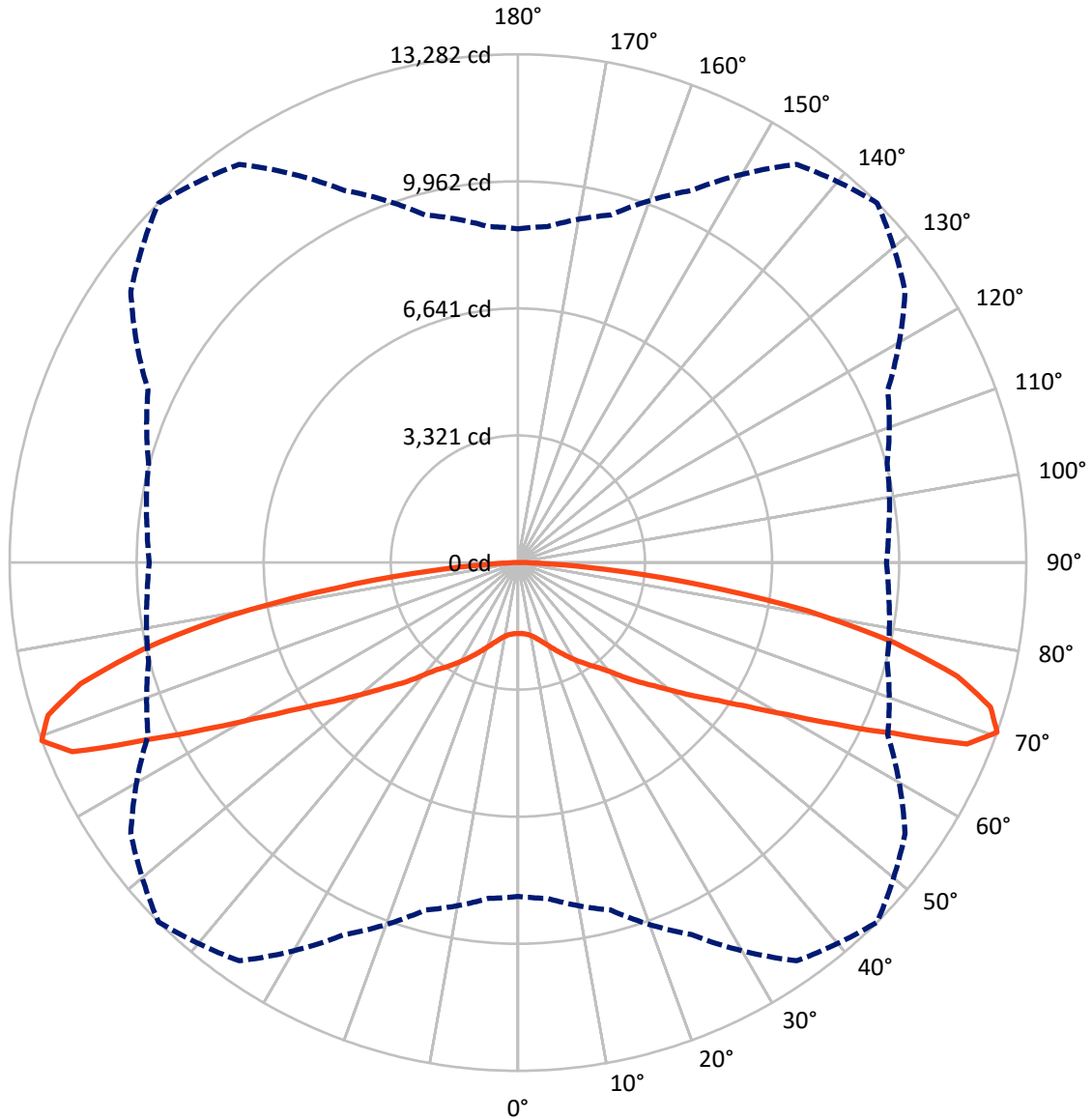
✕ Max cd
 - - - 1/2 Max cd



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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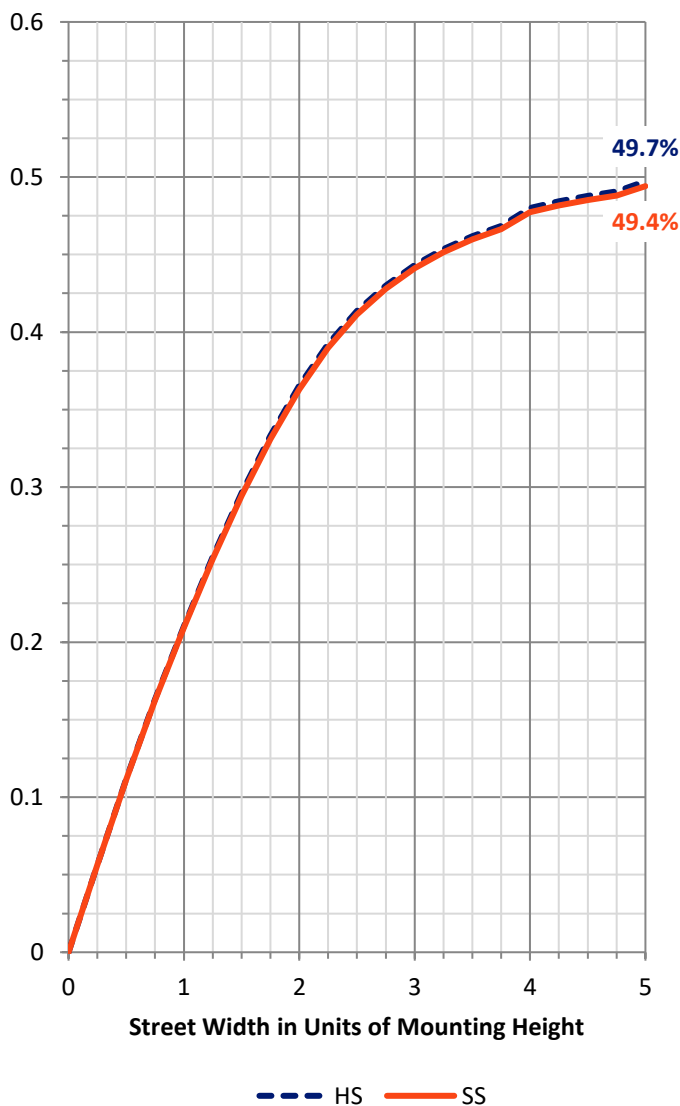
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17473.0	0.0	17473.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17473.0	0.0	17473.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34946.0	0.0	34946.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.8	0.5
10°-20°	601.7	1.7
20°-30°	1203.3	3.4
30°-40°	2093.7	6.0
40°-50°	3642.6	10.4
50°-60°	6342.1	18.1
60°-70°	10271.6	29.4
70°-80°	8811.9	25.2
80°-90°	1797.4	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°	34946.0	100.0
0°-180°	34946.0	100.0

Coefficient of Utilization



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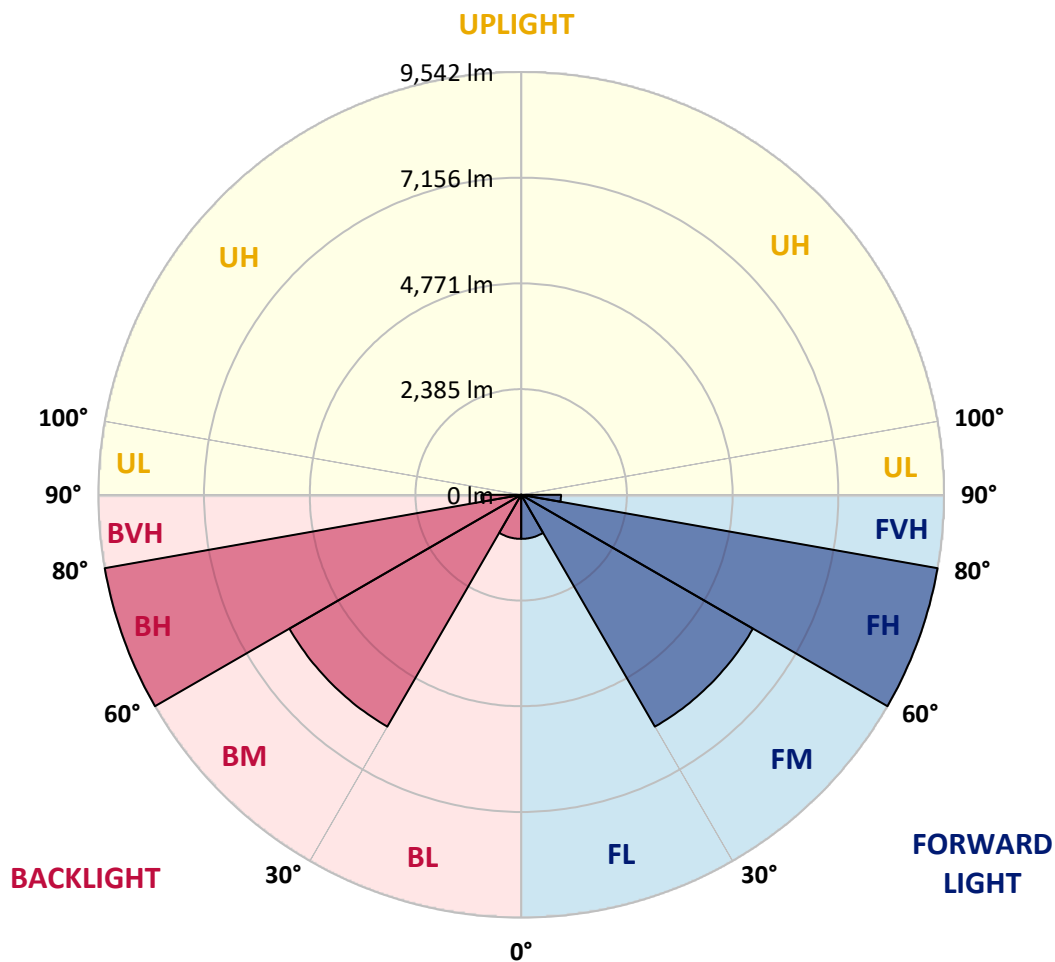
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	993.4	2.8			
FM	(30°-60°)	6039.2	17.3			
FH	(60°-80°)	9541.7	27.3			G4/12000
FVH	(80°-90°)	898.7	2.6			G5
BL	(0°-30°)	993.4	2.8	B2/1000		
BM	(30°-60°)	6039.2	17.3	B4/8500		
BH	(60°-80°)	9541.7	27.3	B5		G4/12000
BVH	(80°-90°)	898.7	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°	1858.7	1858.7	1858.7	1858.7	1858.7	1858.7	1858.7	1858.7	1858.7	1858.7	1858.7
2.5°	1852.6	1863.3	1861.8	1858.7	1854.1	1854.1	1857.2	1867.9	1869.4	1869.4	1869.4
5°	1874.0	1884.8	1883.3	1880.2	1875.6	1874.0	1877.1	1887.9	1889.4	1889.4	1890.9
7.5°	1898.6	1910.9	1910.9	1909.3	1898.6	1898.6	1901.7	1915.5	1915.5	1918.5	1921.6
10°	1940.0	1953.8	1958.4	1952.3	1946.1	1943.1	1946.1	1959.9	1958.4	1955.3	1956.9
12.5°	1996.7	2010.5	2021.3	2019.7	2013.6	2010.5	2013.6	2021.3	2012.1	1999.8	1999.8
15°	2067.3	2085.7	2098.0	2098.0	2105.6	2101.0	2096.4	2098.0	2084.2	2073.4	2073.4
17.5°	2157.8	2173.1	2183.8	2193.0	2205.3	2205.3	2194.6	2191.5	2173.1	2163.9	2165.4
20°	2268.2	2280.5	2295.8	2303.5	2328.0	2329.5	2311.1	2303.5	2285.1	2272.8	2275.9
22.5°	2387.8	2409.3	2415.4	2438.4	2467.6	2469.1	2444.5	2427.7	2409.3	2400.1	2401.6
25°	2532.0	2553.4	2548.8	2568.8	2613.2	2617.8	2590.2	2565.7	2550.4	2541.2	2544.2
27.5°	2689.9	2711.4	2709.9	2709.9	2762.0	2781.9	2743.6	2717.5	2720.6	2703.7	2709.9
30°	2858.6	2877.0	2887.8	2869.4	2920.0	2952.2	2890.8	2893.9	2892.4	2881.6	2880.1
32.5°	3056.4	3073.3	3071.8	3059.5	3074.9	3120.9	3071.8	3087.1	3091.7	3093.3	3105.5
35°	3281.9	3301.8	3280.4	3263.5	3265.0	3309.5	3272.7	3297.2	3321.8	3331.0	3331.0
37.5°	3522.7	3533.4	3510.4	3484.3	3478.2	3502.7	3496.6	3536.5	3577.9	3600.9	3613.1
40°	3834.0	3843.2	3798.7	3748.1	3738.9	3766.5	3774.2	3861.6	3924.5	3967.4	3975.1
42.5°	4266.5	4264.9	4202.0	4108.5	4064.0	4107.0	4162.2	4263.4	4369.2	4378.4	4410.6
45°	4823.1	4801.7	4720.4	4580.8	4468.9	4453.6	4519.5	4669.8	4787.9	4838.5	4858.4
47.5°	5458.1	5433.5	5286.3	5070.1	4878.4	4818.5	4873.8	5062.4	5238.8	5312.4	5352.2
50°	6166.6	6137.4	5988.7	5695.8	5376.8	5267.9	5301.6	5536.3	5741.8	5835.3	5905.9
52.5°	6928.8	6924.2	6734.0	6396.6	5970.3	5793.9	5783.2	6065.4	6341.4	6465.6	6504.0
55°	7746.2	7723.2	7552.9	7186.4	6692.6	6362.9	6364.4	6677.3	7014.7	7177.2	7195.6
57.5°	8548.2	8539.0	8350.4	8037.6	7533.0	7099.0	7056.1	7471.7	7812.1	7945.5	7951.7
60°	9305.8	9335.0	9236.8	8950.0	8543.6	8052.9	7990.0	8341.2	8631.1	8746.1	8787.5
62.5°	10149.3	10158.5	10146.2	9934.6	9624.8	9293.6	9138.7	9318.1	9604.9	9700.0	9680.0
65°	10752.0	10811.8	10951.4	11060.3	10994.3	10741.3	10537.3	10546.5	10603.3	10541.9	10537.3
67.5°	9983.7	10114.0	10589.5	11354.7	12256.5	12650.6	11822.5	10897.7	10554.2	10331.8	10330.3
70°	8723.1	8810.5	9404.0	10727.5	12702.7	13282.4	12348.5	10661.5	9988.3	9724.5	9631.0
72.5°	7421.1	7490.1	8143.4	9494.5	11994.2	12909.8	12012.6	9968.4	9081.9	8500.7	8511.4
75°	6180.4	6169.6	6663.5	8051.4	10617.1	11856.2	11123.1	8871.8	7609.7	7080.6	7020.8
77.5°	4284.9	4383.0	4944.3	6362.9	8608.1	10032.8	9925.4	7303.0	5832.3	5267.9	5304.7
80°	2245.2	2306.5	2972.1	4320.1	6298.5	7695.6	7554.5	5165.1	3768.0	3143.9	3025.8
82.5°	935.5	975.4	1358.8	2334.1	3849.3	4789.4	4725.0	3148.5	2101.0	1463.0	1460.0
85°	397.2	398.7	576.6	999.9	1943.1	2275.9	1826.5	1352.6	736.1	461.6	412.5
87.5°	168.7	174.8	234.6	458.5	615.0	496.9	292.9	181.0	121.2	73.6	56.7
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)