

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: P510282

Luminaire Tested: **VERD-M-CA4-240-740-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510282
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-CA4-240-740-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 4000K, 1090mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34435 lumens
Efficiency: N/A
Efficacy: 142.1 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

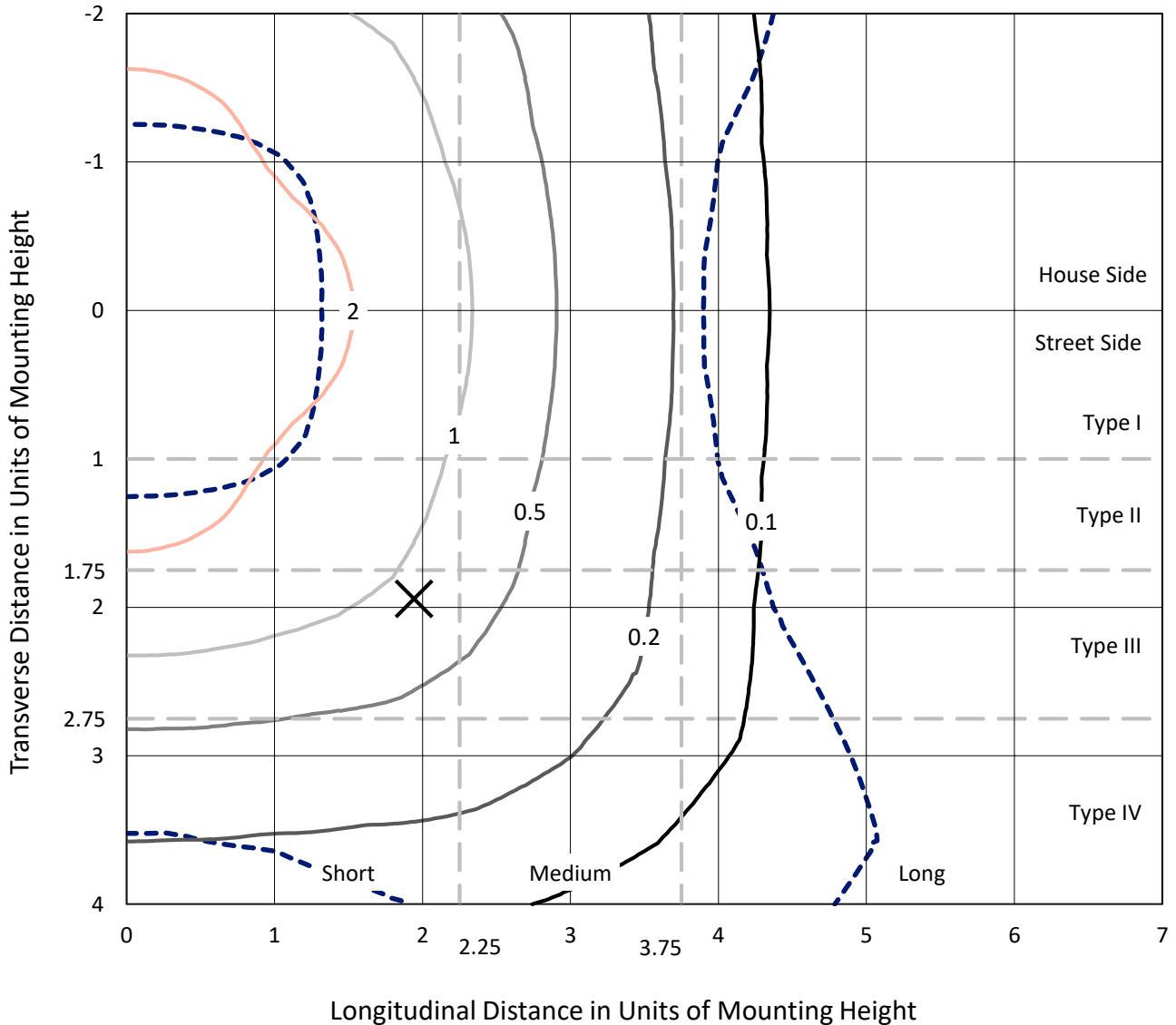
Input Watts (W): 242.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510282
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Iso-Footcandle Lines of Horizontal Illumination

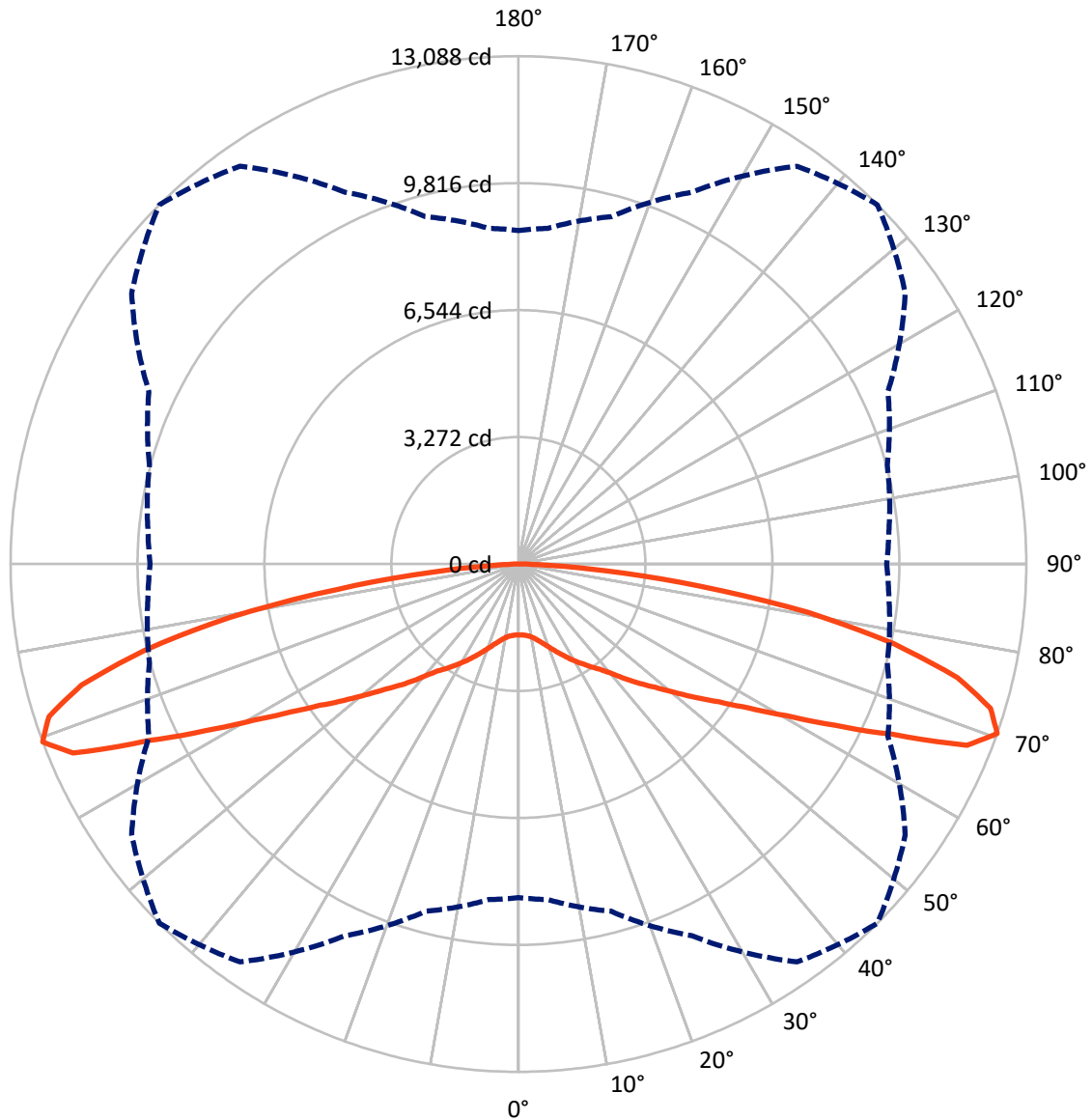
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P510282
CATALOG NUMBER: VERD-M-CA4-240-740-U-T5

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	17217.5	0.0	17217.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17217.5	0.0	17217.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34435.0	0.0	34435.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.1	0.5
10°-20°	592.9	1.7
20°-30°	1185.7	3.4
30°-40°	2063.1	6.0
40°-50°	3589.3	10.4
50°-60°	6249.4	18.1
60°-70°	10121.4	29.4
70°-80°	8683.0	25.2
80°-90°	1771.1	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°	34435.0	100.0
0°-180°	34435.0	100.0



REPORT NUMBER: P510282

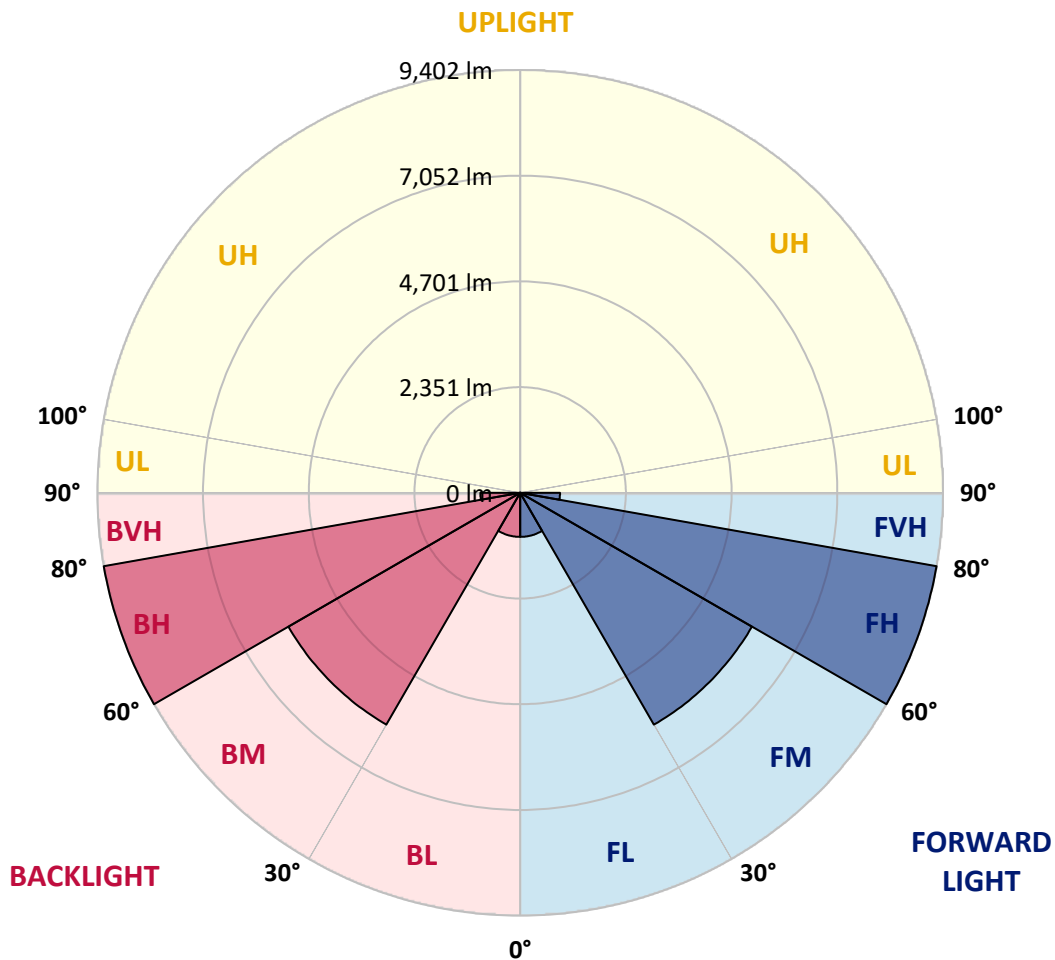
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	978.8	2.8			
FM (30°-60°)	5950.9	17.3			
FH (60°-80°)	9402.2	27.3			G4/12000
FVH (80°-90°)	885.6	2.6			G5
BL (0°-30°)	978.8	2.8	B2/1000		
BM (30°-60°)	5950.9	17.3	B4/8500		
BH (60°-80°)	9402.2	27.3	B5		G4/12000
BVH (80°-90°)	885.6	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°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
2.5°	1825.5	1836.1	1834.6	1831.5	1827.0	1827.0	1830.0	1840.6	1842.1	1842.1	1842.1
5°	1846.6	1857.2	1855.7	1852.7	1848.2	1846.6	1849.7	1860.2	1861.8	1861.8	1863.3
7.5°	1870.8	1882.9	1882.9	1881.4	1870.8	1870.8	1873.8	1887.4	1887.4	1890.5	1893.5
10°	1911.6	1925.2	1929.8	1923.7	1917.7	1914.6	1917.7	1931.3	1929.8	1926.7	1928.2
12.5°	1967.5	1981.1	1991.7	1990.2	1984.2	1981.1	1984.2	1991.7	1982.7	1970.6	1970.6
15°	2037.1	2055.2	2067.3	2067.3	2074.8	2070.3	2065.8	2067.3	2053.7	2043.1	2043.1
17.5°	2126.2	2141.3	2151.9	2161.0	2173.1	2173.1	2162.5	2159.5	2141.3	2132.3	2133.8
20°	2235.0	2247.1	2262.2	2269.8	2294.0	2295.5	2277.3	2269.8	2251.6	2239.5	2242.6
22.5°	2352.9	2374.0	2380.1	2402.8	2431.5	2433.0	2408.8	2392.2	2374.0	2365.0	2366.5
25°	2494.9	2516.1	2511.6	2531.2	2575.0	2579.6	2552.4	2528.2	2513.1	2504.0	2507.0
27.5°	2650.6	2671.7	2670.2	2670.2	2721.6	2741.3	2703.5	2677.8	2680.8	2664.2	2670.2
30°	2816.8	2834.9	2845.5	2827.4	2877.3	2909.0	2848.6	2851.6	2850.1	2839.5	2838.0
32.5°	3011.8	3028.4	3026.9	3014.8	3029.9	3075.2	3026.9	3042.0	3046.5	3048.0	3060.1
35°	3233.9	3253.5	3232.4	3215.8	3217.3	3261.1	3224.8	3249.0	3273.2	3282.3	3282.3
37.5°	3471.2	3481.7	3459.1	3433.4	3427.3	3451.5	3445.5	3484.8	3525.6	3548.2	3560.3
40°	3777.9	3787.0	3743.2	3693.3	3684.2	3711.4	3719.0	3805.1	3867.1	3909.4	3916.9
42.5°	4204.1	4202.6	4140.6	4048.4	4004.6	4046.9	4101.3	4201.0	4305.3	4314.4	4346.1
45°	4752.6	4731.5	4651.4	4513.9	4403.5	4388.4	4453.4	4601.5	4717.9	4767.7	4787.4
47.5°	5378.2	5354.1	5209.0	4995.9	4807.0	4748.1	4802.5	4988.4	5162.1	5234.7	5274.0
50°	6076.4	6047.7	5901.1	5612.5	5298.2	5190.9	5224.1	5455.3	5657.8	5750.0	5819.5
52.5°	6827.5	6822.9	6635.5	6303.1	5883.0	5709.2	5698.6	5976.7	6248.7	6371.1	6408.9
55°	7632.9	7610.2	7442.5	7081.3	6594.7	6269.8	6271.3	6579.6	6912.1	7072.3	7090.4
57.5°	8423.2	8414.2	8228.3	7920.0	7422.9	6995.2	6952.9	7362.4	7697.9	7829.4	7835.4
60°	9169.8	9198.5	9101.8	8819.2	8418.7	7935.1	7873.2	8219.2	8504.8	8618.2	8659.0
62.5°	10000.9	10010.0	9997.9	9789.3	9484.1	9157.7	9005.0	9181.9	9464.4	9558.1	9538.5
65°	10594.8	10653.7	10791.2	10898.5	10833.6	10584.2	10383.2	10392.3	10448.2	10387.8	10383.2
67.5°	9837.7	9966.1	10434.6	11188.7	12077.2	12465.6	11649.6	10738.4	10399.9	10180.7	10179.2
70°	8595.5	8681.7	9266.5	10570.6	12517.0	13088.2	12167.9	10505.6	9842.2	9582.3	9490.1
72.5°	7312.5	7380.5	8024.3	9355.6	11818.8	12721.0	11837.0	9822.6	8949.1	8376.4	8387.0
75°	6090.0	6079.4	6566.0	7933.6	10461.8	11682.8	10960.5	8742.1	7498.4	6977.1	6918.1
77.5°	4222.2	4318.9	4872.0	6269.8	8482.2	9886.1	9780.3	7196.2	5747.0	5190.9	5227.1
80°	2212.3	2272.8	2928.6	4257.0	6206.4	7583.0	7444.0	5089.6	3712.9	3097.9	2981.5
82.5°	921.8	961.1	1338.9	2300.0	3793.0	4719.4	4655.9	3102.4	2070.3	1441.7	1438.6
85°	391.4	392.9	568.2	985.3	1914.6	2242.6	1799.8	1332.8	725.4	454.9	406.5
87.5°	166.2	172.3	231.2	451.8	606.0	489.6	288.6	178.3	119.4	72.5	55.9
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)