

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: P510298

Luminaire Tested: **VERD-M-CA4-240-760-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510298
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-CA4-240-760-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 5700K, 1090mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34323 lumens
Efficiency: N/A
Efficacy: 141.7 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

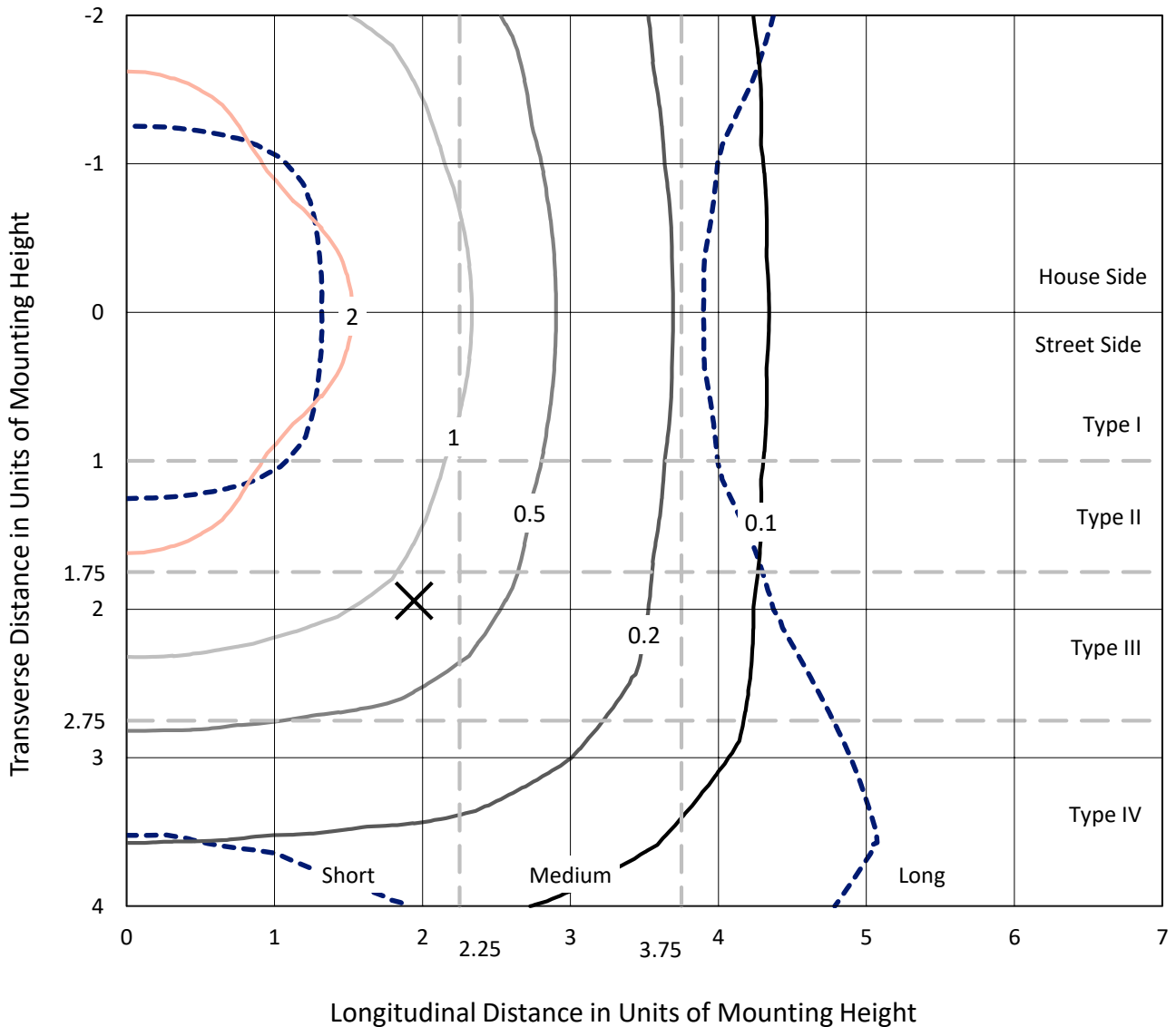
Input Watts (W): 242.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

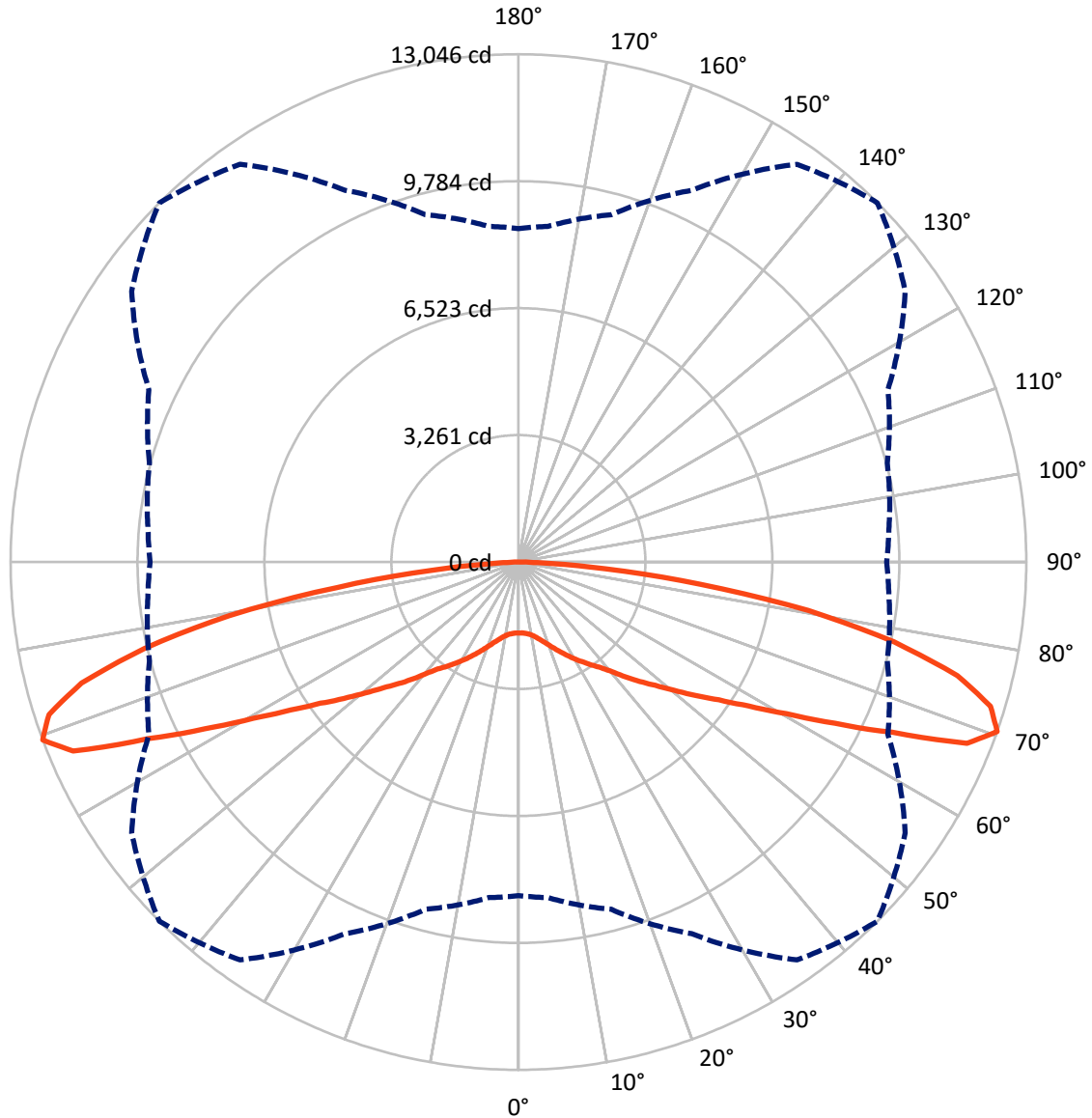
× Max cd
 - - - 1/2 Max cd



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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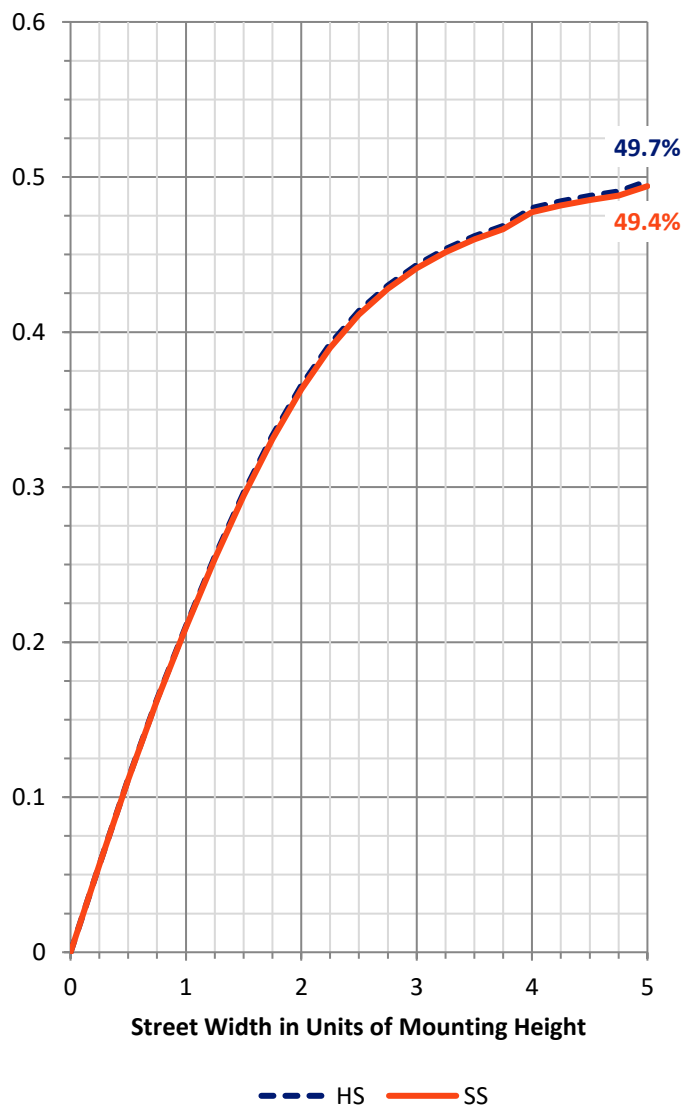
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17161.5	0.0	17161.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17161.5	0.0	17161.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34323.0	0.0	34323.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.5	0.5
10°-20°	590.9	1.7
20°-30°	1181.8	3.4
30°-40°	2056.4	6.0
40°-50°	3577.6	10.4
50°-60°	6229.1	18.1
60°-70°	10088.5	29.4
70°-80°	8654.8	25.2
80°-90°	1765.4	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°	34323.0	100.0
0°-180°	34323.0	100.0

Coefficient of Utilization



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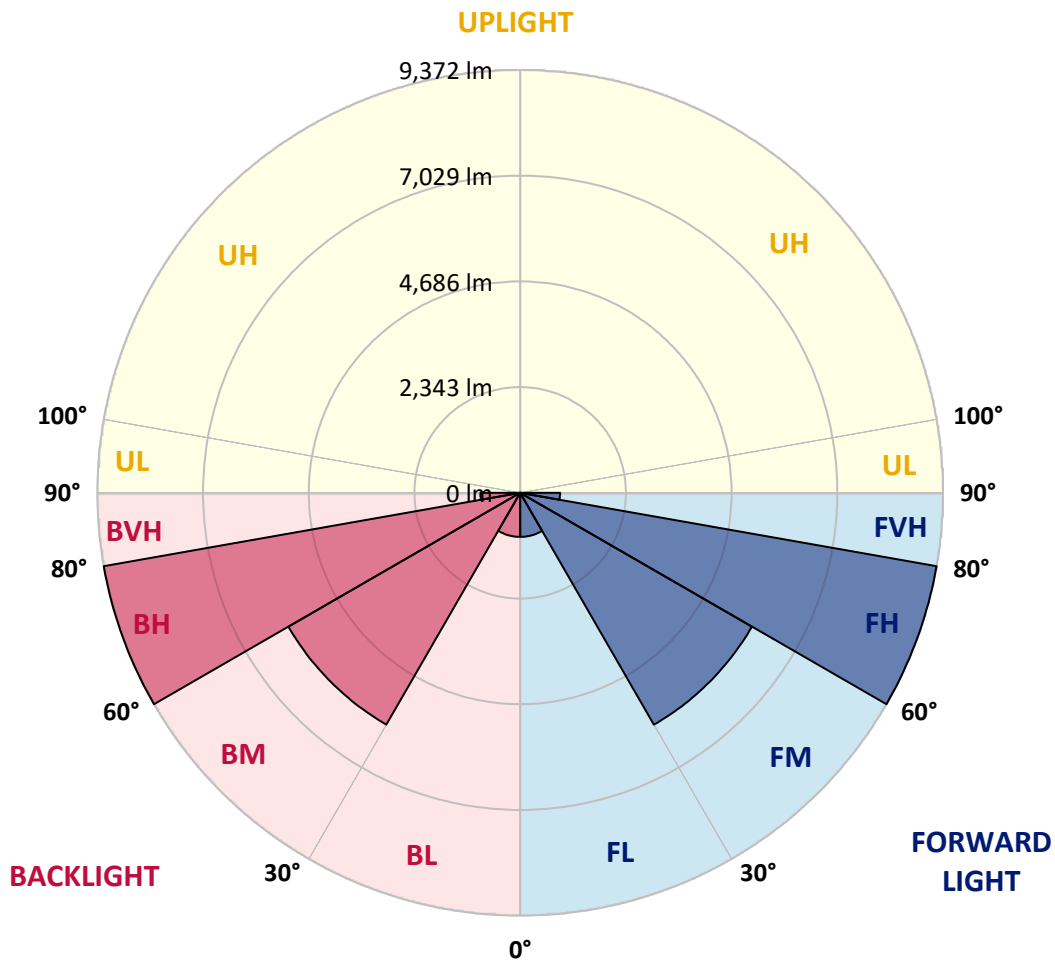
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	975.6	2.8			
FM (30°-60°)	5931.5	17.3			
FH (60°-80°)	9371.6	27.3			G4/12000
FVH (80°-90°)	882.7	2.6			G5
BL (0°-30°)	975.6	2.8	B2/1000		
BM (30°-60°)	5931.5	17.3	B4/8500		
BH (60°-80°)	9371.6	27.3	B5		G4/12000
BVH (80°-90°)	882.7	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°	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6
2.5°	1819.6	1830.1	1828.6	1825.6	1821.1	1821.1	1824.1	1834.6	1836.1	1836.1	1836.1
5°	1840.6	1851.2	1849.7	1846.7	1842.1	1840.6	1843.7	1854.2	1855.7	1855.7	1857.2
7.5°	1864.7	1876.8	1876.8	1875.3	1864.7	1864.7	1867.8	1881.3	1881.3	1884.3	1887.3
10°	1905.4	1919.0	1923.5	1917.5	1911.4	1908.4	1911.4	1925.0	1923.5	1920.5	1922.0
12.5°	1961.1	1974.7	1985.2	1983.7	1977.7	1974.7	1977.7	1985.2	1976.2	1964.2	1964.2
15°	2030.4	2048.5	2060.6	2060.6	2068.1	2063.6	2059.0	2060.6	2047.0	2036.5	2036.5
17.5°	2119.3	2134.4	2144.9	2153.9	2166.0	2166.0	2155.4	2152.4	2134.4	2125.3	2126.8
20°	2227.7	2239.8	2254.9	2262.4	2286.5	2288.0	2269.9	2262.4	2244.3	2232.3	2235.3
22.5°	2345.2	2366.3	2372.3	2394.9	2423.6	2425.1	2401.0	2384.4	2366.3	2357.3	2358.8
25°	2486.8	2507.9	2503.4	2523.0	2566.7	2571.2	2544.1	2520.0	2504.9	2495.9	2498.9
27.5°	2642.0	2663.1	2661.5	2661.5	2712.8	2732.3	2694.7	2669.1	2672.1	2655.5	2661.5
30°	2807.7	2825.7	2836.3	2818.2	2867.9	2899.5	2839.3	2842.3	2840.8	2830.2	2828.7
32.5°	3002.0	3018.5	3017.0	3005.0	3020.0	3065.2	3017.0	3032.1	3036.6	3038.1	3050.2
35°	3223.4	3243.0	3221.9	3205.3	3206.8	3250.5	3214.3	3238.4	3262.5	3271.6	3271.6
37.5°	3459.9	3470.4	3447.8	3422.2	3416.2	3440.3	3434.3	3473.4	3514.1	3536.7	3548.7
40°	3765.6	3774.7	3731.0	3681.3	3672.2	3699.4	3706.9	3792.7	3854.5	3896.7	3904.2
42.5°	4190.4	4188.9	4127.1	4035.2	3991.6	4033.7	4088.0	4187.4	4291.3	4300.4	4332.0
45°	4737.2	4716.1	4636.2	4499.2	4389.2	4374.2	4438.9	4586.5	4702.5	4752.2	4771.8
47.5°	5360.8	5336.7	5192.1	4979.7	4791.4	4732.6	4786.9	4972.1	5145.4	5217.7	5256.8
50°	6056.6	6028.0	5881.9	5594.2	5280.9	5174.0	5207.1	5437.6	5639.4	5731.3	5800.6
52.5°	6805.2	6800.7	6614.0	6282.6	5863.8	5690.6	5680.1	5957.2	6228.4	6350.4	6388.0
55°	7608.1	7585.5	7418.3	7058.3	6573.3	6249.4	6250.9	6558.2	6889.6	7049.3	7067.3
57.5°	8395.8	8386.8	8201.5	7894.3	7398.7	6972.4	6930.3	7338.5	7672.8	7803.9	7809.9
60°	9139.9	9168.6	9072.2	8790.5	8391.3	7909.3	7847.6	8192.5	8477.2	8590.2	8630.8
62.5°	9968.4	9977.4	9965.4	9757.5	9453.2	9127.9	8975.8	9152.0	9433.7	9527.0	9507.5
65°	10560.3	10619.1	10756.1	10863.1	10798.3	10549.8	10349.5	10358.5	10414.2	10354.0	10349.5
67.5°	9805.7	9933.7	10400.7	11152.3	12038.0	12425.1	11611.7	10703.4	10366.0	10147.6	10146.1
70°	8567.6	8653.4	9236.3	10536.2	12476.3	13045.7	12128.3	10471.5	9810.2	9551.1	9459.3
72.5°	7288.8	7356.5	7998.2	9325.2	11780.4	12679.6	11798.5	9790.6	8920.0	8349.2	8359.7
75°	6070.2	6059.7	6544.7	7907.8	10427.8	11644.8	10924.8	8713.7	7474.0	6954.4	6895.6
77.5°	4208.5	4304.9	4856.2	6249.4	8454.6	9853.9	9748.5	7172.8	5728.3	5174.0	5210.1
80°	2205.2	2265.4	2919.1	4243.1	6186.2	7558.4	7419.8	5073.1	3700.9	3087.8	2971.8
82.5°	918.8	958.0	1334.5	2292.5	3780.7	4704.0	4640.8	3092.3	2063.6	1437.0	1434.0
85°	390.1	391.6	566.4	982.1	1908.4	2235.3	1793.9	1328.5	723.0	453.4	405.2
87.5°	165.7	171.7	230.5	450.4	604.0	488.0	287.7	177.7	119.0	72.3	55.7
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)