

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: P510250

Luminaire Tested: **VERD-M-CA4-230-760-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510250
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-CA4-230-760-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 5700K, 1050mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33261 lumens
Efficiency: N/A
Efficacy: 142.6 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

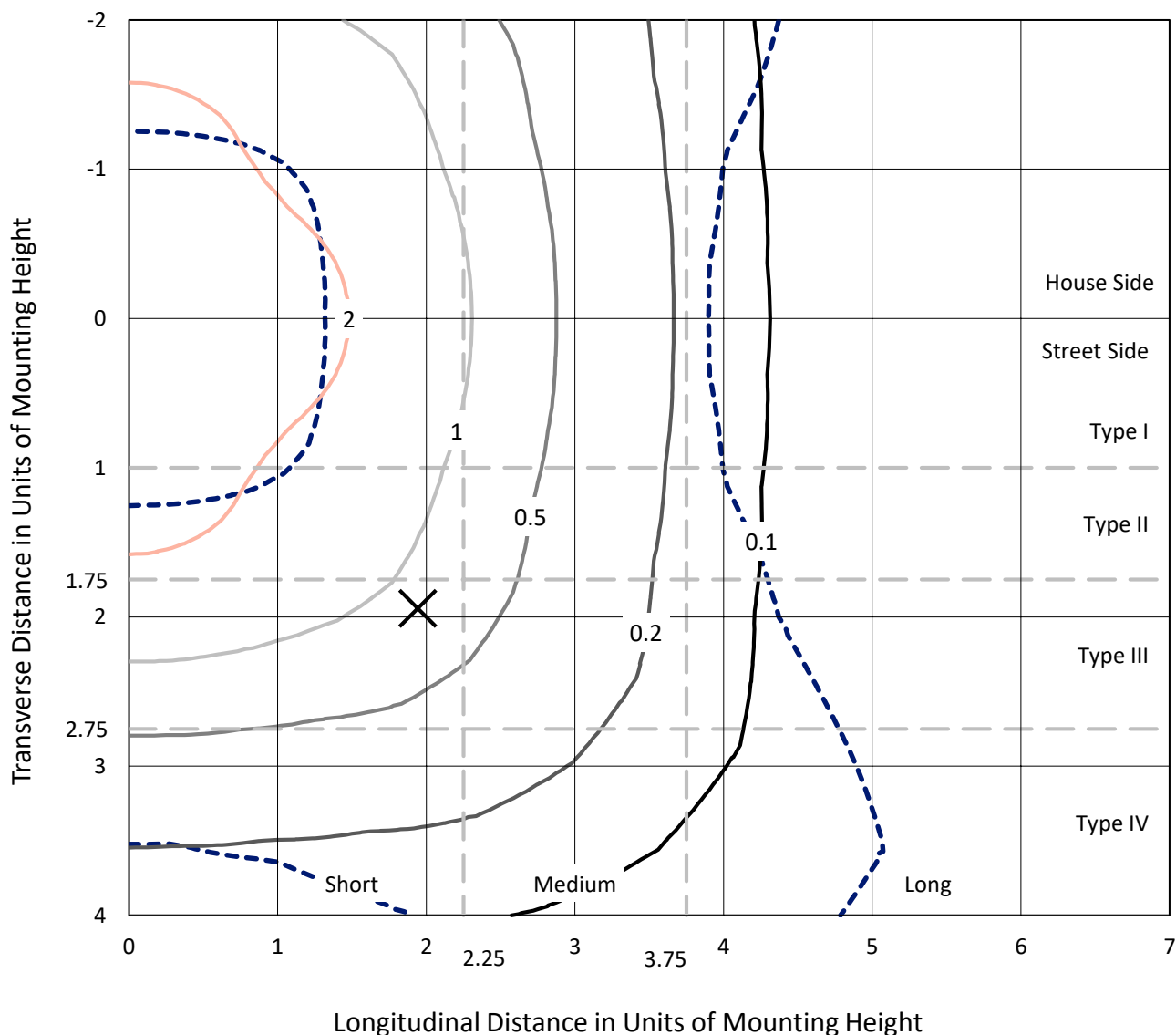
Input Watts (W): 233.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510250
 CATALOG NUMBER: VERD-M-CA4-230-760-U-T5

Iso-Footcandle Lines of Horizontal Illumination

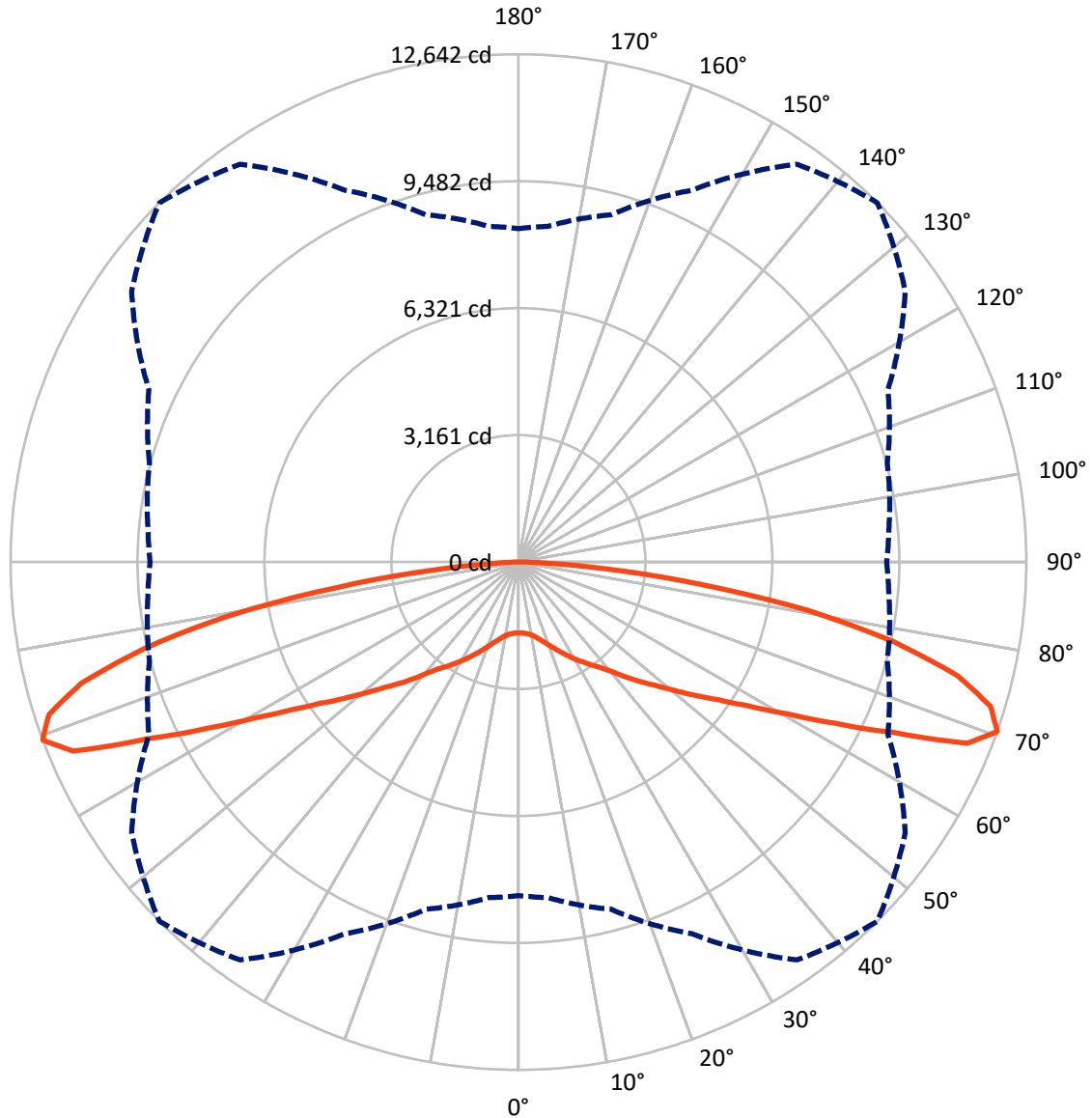
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

REPORT NUMBER: P510250
CATALOG NUMBER: VERD-M-CA4-230-760-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P510250

CATALOG NUMBER: VERD-M-CA4-230-760-U-T5

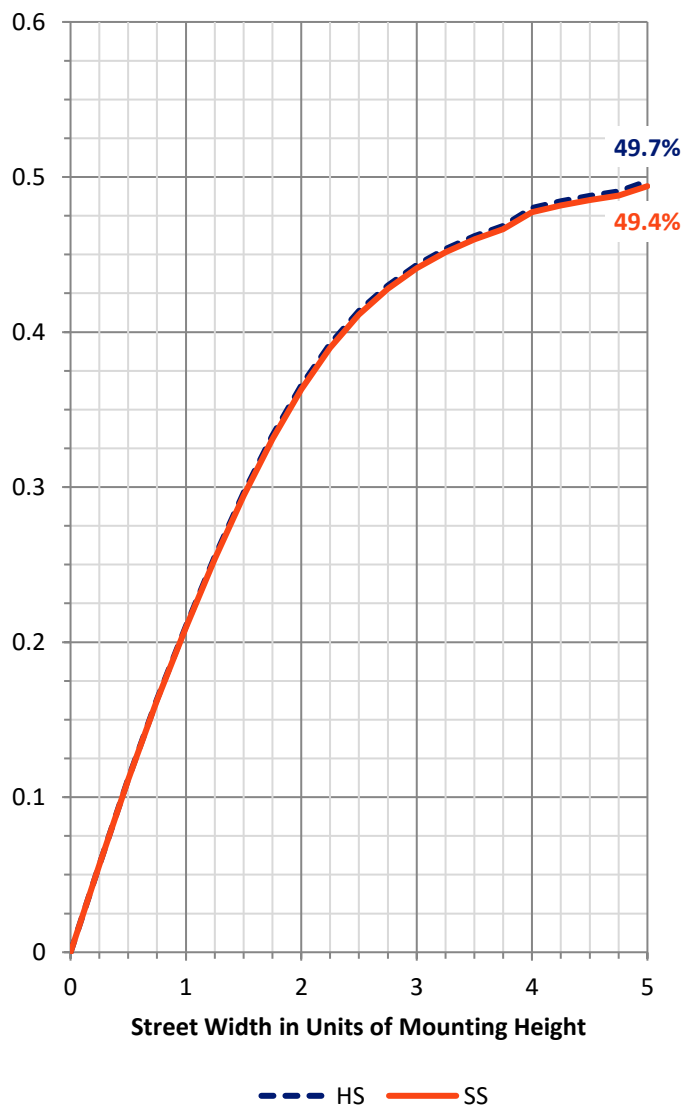
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16630.5	0.0	16630.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16630.5	0.0	16630.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33261.0	0.0	33261.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	0.5
10°-20°	572.7	1.7
20°-30°	1145.3	3.4
30°-40°	1992.7	6.0
40°-50°	3466.9	10.4
50°-60°	6036.3	18.1
60°-70°	9776.3	29.4
70°-80°	8387.0	25.2
80°-90°	1710.7	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°	33261.0	100.0
0°-180°	33261.0	100.0

Coefficient of Utilization



REPORT NUMBER: P510250

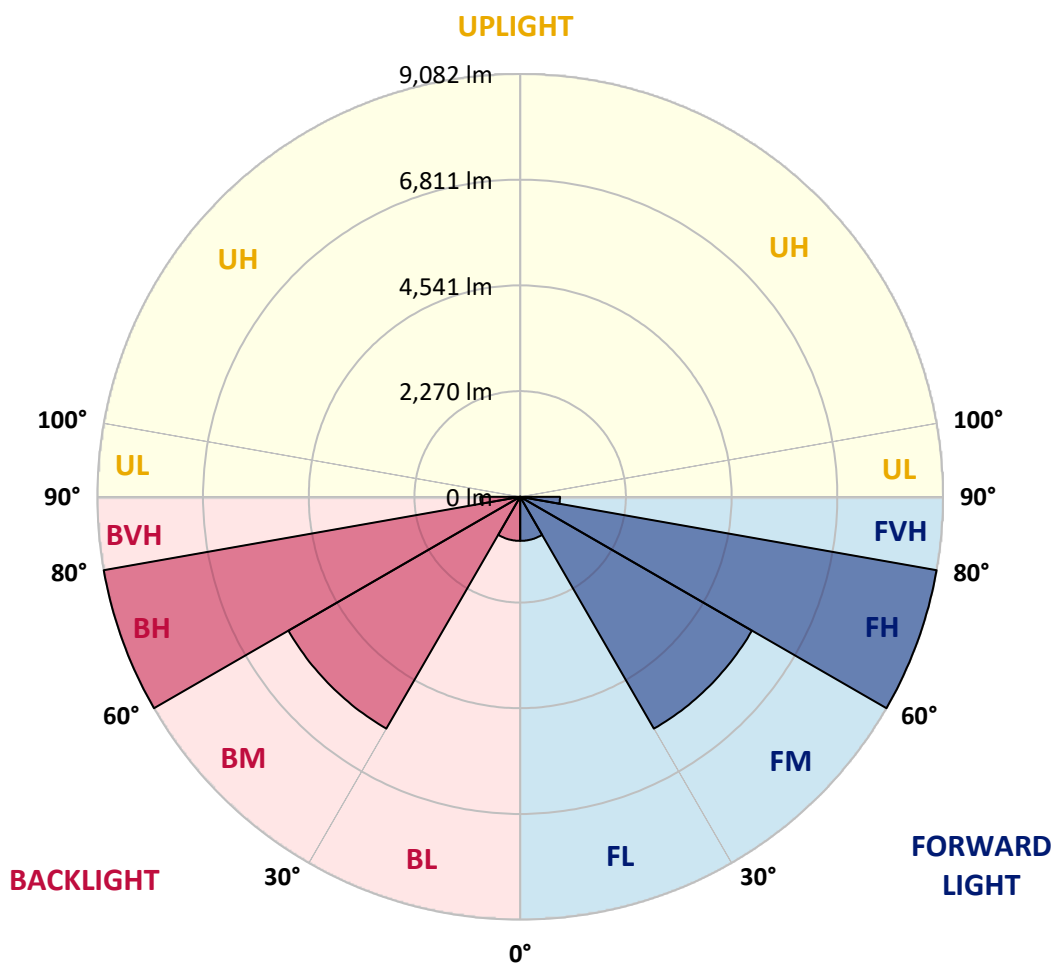
CATALOG NUMBER: VERD-M-CA4-230-760-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	945.5	2.8			
FM	(30°-60°)	5748.0	17.3			
FH	(60°-80°)	9081.7	27.3			G4/12000
FVH	(80°-90°)	855.4	2.6			G5
BL	(0°-30°)	945.5	2.8	B2/1000		
BM	(30°-60°)	5748.0	17.3	B4/8500		
BH	(60°-80°)	9081.7	27.3	B5		G4/12000
BVH	(80°-90°)	855.4	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





REPORT NUMBER: P510250

CATALOG NUMBER: VERD-M-CA4-230-760-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1769.1	1769.1	1769.1	1769.1	1769.1	1769.1	1769.1	1769.1	1769.1	1769.1	1769.1
2.5°	1763.3	1773.5	1772.0	1769.1	1764.7	1764.7	1767.6	1777.8	1779.3	1779.3	1779.3
5°	1783.7	1793.9	1792.4	1789.5	1785.1	1783.7	1786.6	1796.8	1798.3	1798.3	1799.7
7.5°	1807.0	1818.7	1818.7	1817.3	1807.0	1807.0	1810.0	1823.1	1823.1	1826.0	1828.9
10°	1846.5	1859.6	1864.0	1858.1	1852.3	1849.4	1852.3	1865.4	1864.0	1861.0	1862.5
12.5°	1900.5	1913.6	1923.8	1922.4	1916.5	1913.6	1916.5	1923.8	1915.1	1903.4	1903.4
15°	1967.6	1985.1	1996.8	1996.8	2004.1	1999.7	1995.3	1996.8	1983.7	1973.4	1973.4
17.5°	2053.7	2068.3	2078.5	2087.3	2099.0	2099.0	2088.8	2085.8	2068.3	2059.6	2061.0
20°	2158.8	2170.5	2185.1	2192.4	2215.7	2217.2	2199.7	2192.4	2174.9	2163.2	2166.1
22.5°	2272.7	2293.1	2298.9	2320.8	2348.6	2350.0	2326.7	2310.6	2293.1	2284.3	2285.8
25°	2409.9	2430.3	2425.9	2444.9	2487.2	2491.6	2465.3	2442.0	2427.4	2418.6	2421.6
27.5°	2560.2	2580.7	2579.2	2579.2	2628.8	2647.8	2611.3	2586.5	2589.4	2573.4	2579.2
30°	2720.8	2738.3	2748.5	2731.0	2779.2	2809.8	2751.4	2754.4	2752.9	2742.7	2741.2
32.5°	2909.1	2925.1	2923.7	2912.0	2926.6	2970.4	2923.7	2938.3	2942.6	2944.1	2955.8
35°	3123.6	3142.6	3122.2	3106.1	3107.6	3149.9	3114.9	3138.2	3161.6	3170.4	3170.4
37.5°	3352.8	3363.0	3341.1	3316.3	3310.5	3333.8	3328.0	3365.9	3405.4	3427.3	3438.9
40°	3649.1	3657.9	3615.5	3567.4	3558.6	3584.9	3592.2	3675.4	3735.2	3776.1	3783.4
42.5°	4060.7	4059.3	3999.4	3910.4	3868.1	3908.9	3961.5	4057.8	4158.5	4167.3	4197.9
45°	4590.6	4570.2	4492.8	4360.0	4253.4	4238.8	4301.6	4444.6	4557.0	4605.2	4624.2
47.5°	5194.9	5171.5	5031.4	4825.6	4643.1	4586.2	4638.8	4818.3	4986.2	5056.2	5094.2
50°	5869.2	5841.5	5699.9	5421.1	5117.5	5013.9	5046.0	5269.3	5464.9	5554.0	5621.1
52.5°	6594.7	6590.3	6409.3	6088.2	5682.4	5514.5	5504.3	5772.9	6035.6	6153.9	6190.4
55°	7372.7	7350.8	7188.8	6839.9	6369.9	6056.1	6057.5	6355.3	6676.4	6831.1	6848.7
57.5°	8136.1	8127.3	7947.8	7650.0	7169.8	6756.7	6715.8	7111.4	7435.4	7562.4	7568.3
60°	8857.1	8884.9	8791.5	8518.5	8131.7	7664.6	7604.8	7939.0	8214.9	8324.4	8363.8
62.5°	9659.9	9668.7	9657.0	9455.6	9160.7	8845.5	8698.0	8868.8	9141.8	9232.3	9213.3
65°	10233.6	10290.5	10423.3	10527.0	10464.2	10223.4	10029.2	10038.0	10092.0	10033.6	10029.2
67.5°	9502.3	9626.4	10078.9	10807.2	11665.5	12040.6	11252.4	10372.2	10045.3	9833.6	9832.2
70°	8302.5	8385.7	8950.6	10210.2	12090.3	12642.0	11753.1	10147.5	9506.7	9255.6	9166.6
72.5°	7063.2	7128.9	7750.7	9036.7	11415.9	12287.3	11433.4	9487.7	8644.0	8090.8	8101.0
75°	5882.4	5872.2	6342.2	7663.1	10105.1	11284.5	10586.8	8444.1	7242.8	6739.2	6682.3
77.5°	4078.3	4171.7	4705.9	6056.1	8193.0	9549.0	9446.8	6950.8	5551.0	5013.9	5048.9
80°	2136.9	2195.3	2828.8	4111.8	5994.8	7324.5	7190.2	4916.1	3586.4	2992.3	2879.9
82.5°	890.4	928.3	1293.2	2221.6	3663.7	4558.5	4497.2	2996.7	1999.7	1392.5	1389.6
85°	378.0	379.5	548.8	951.7	1849.4	2166.1	1738.4	1287.4	700.6	439.4	392.6
87.5°	160.6	166.4	223.3	436.4	585.3	472.9	278.8	172.2	115.3	70.1	54.0
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)