

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: P510130

Luminaire Tested: **VERD-M-CA4-210-730-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510130
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-CA4-210-730-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 3000K, 960mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30444 lumens
Efficiency: N/A
Efficacy: 142.5 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

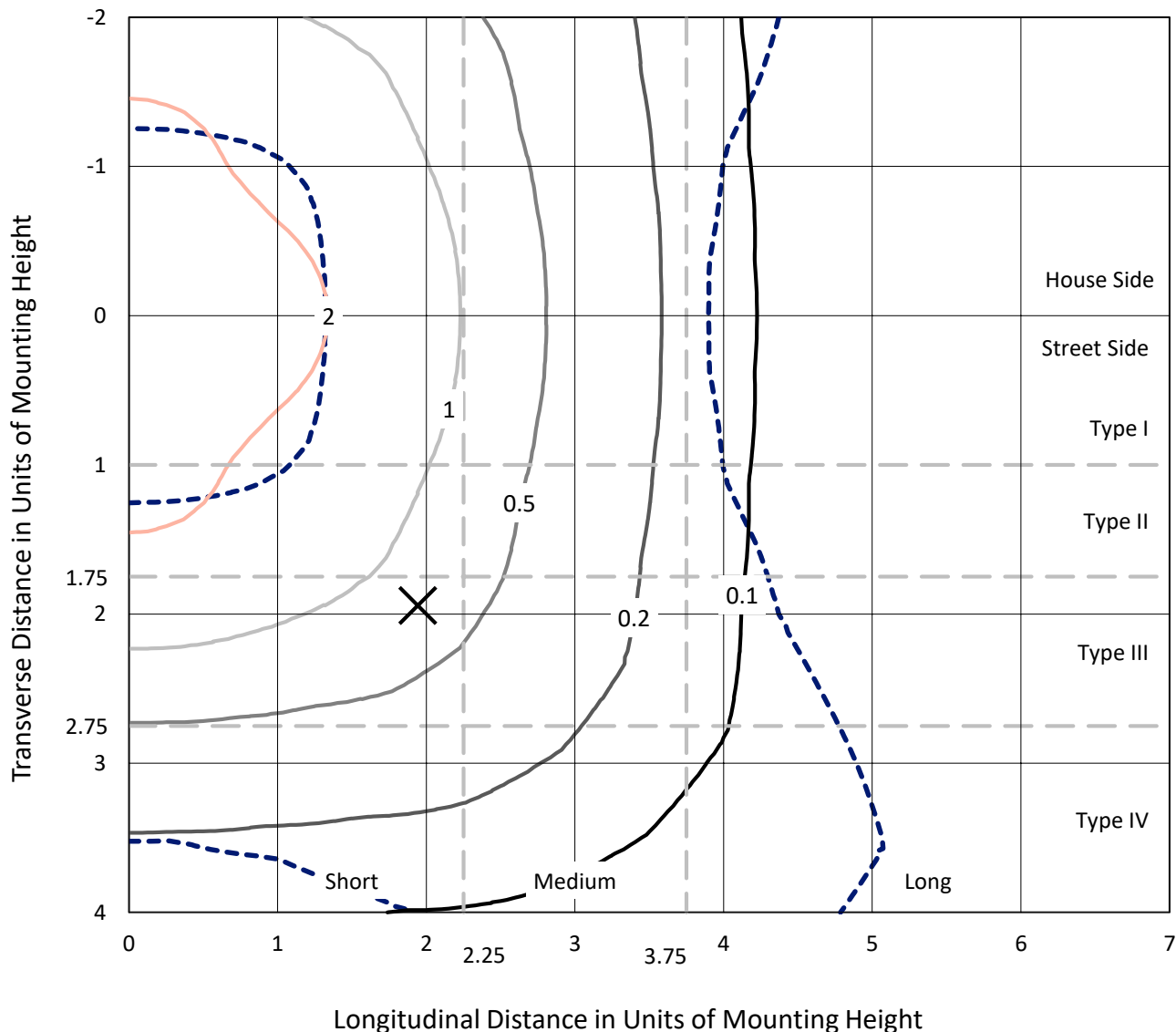
Input Watts (W): 213.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510130
 CATALOG NUMBER: VERD-M-CA4-210-730-U-T5

Iso-Footcandle Lines of Horizontal Illumination

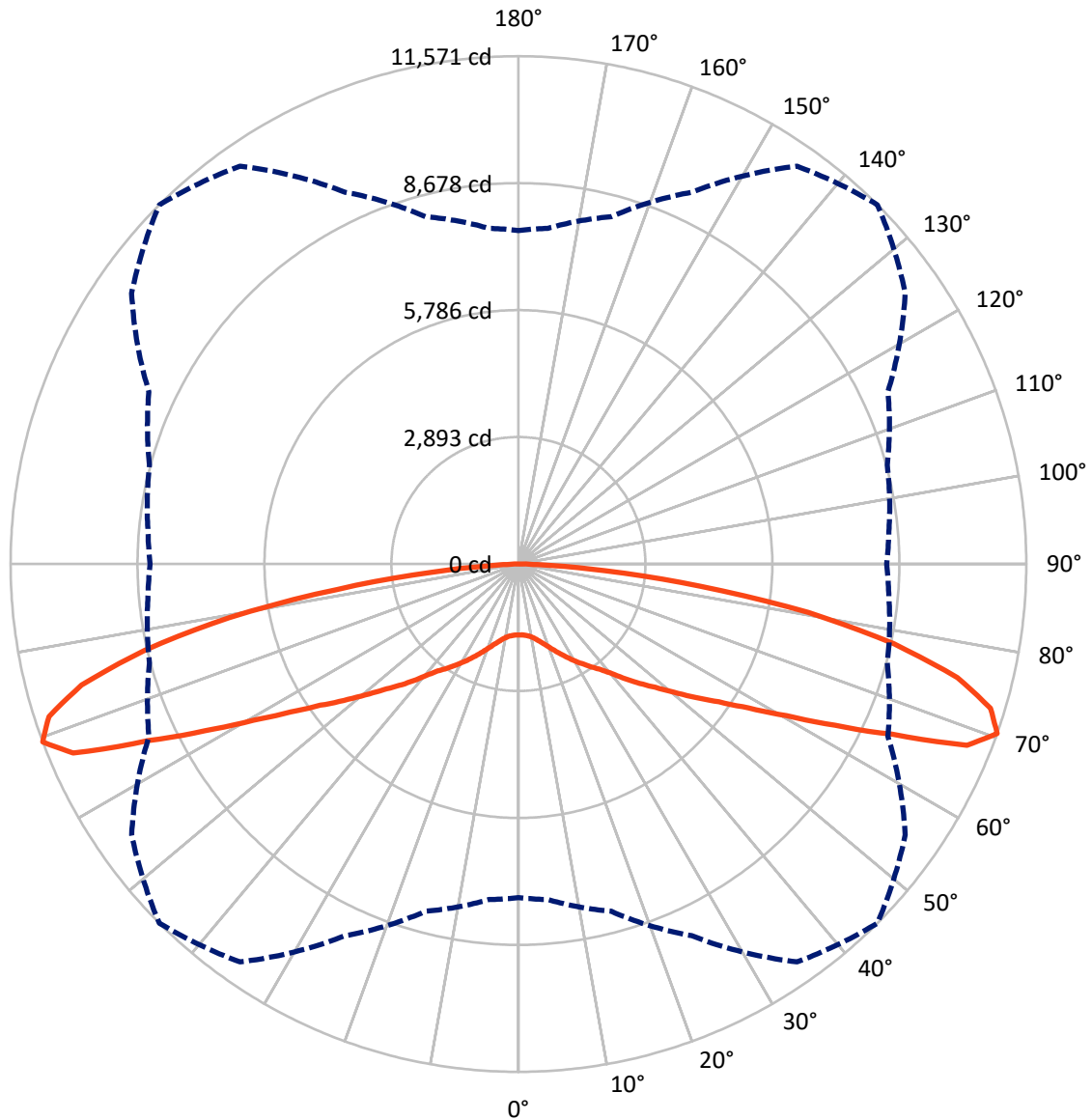
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

REPORT NUMBER: P510130
CATALOG NUMBER: VERD-M-CA4-210-730-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P510130

CATALOG NUMBER: VERD-M-CA4-210-730-U-T5

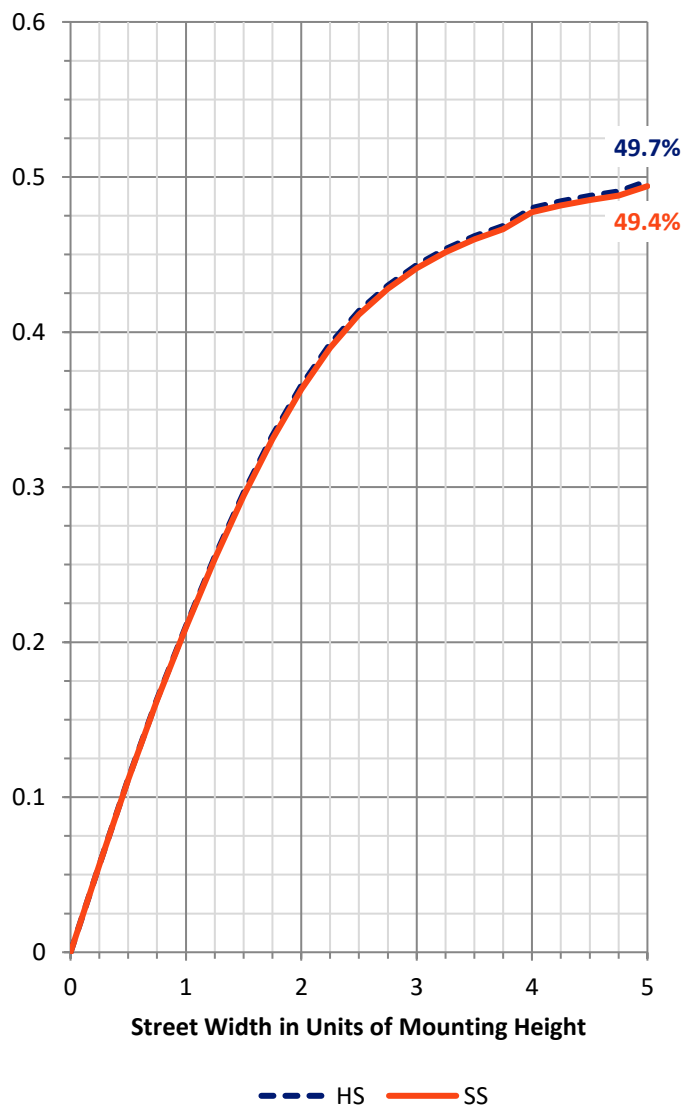
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15222.0	0.0	15222.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15222.0	0.0	15222.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30444.0	0.0	30444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.3	0.5
10°-20°	524.2	1.7
20°-30°	1048.3	3.4
30°-40°	1824.0	6.0
40°-50°	3173.3	10.4
50°-60°	5525.1	18.1
60°-70°	8948.3	29.4
70°-80°	7676.7	25.2
80°-90°	1565.9	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°	30444.0	100.0
0°-180°	30444.0	100.0

Coefficient of Utilization



REPORT NUMBER: P510130

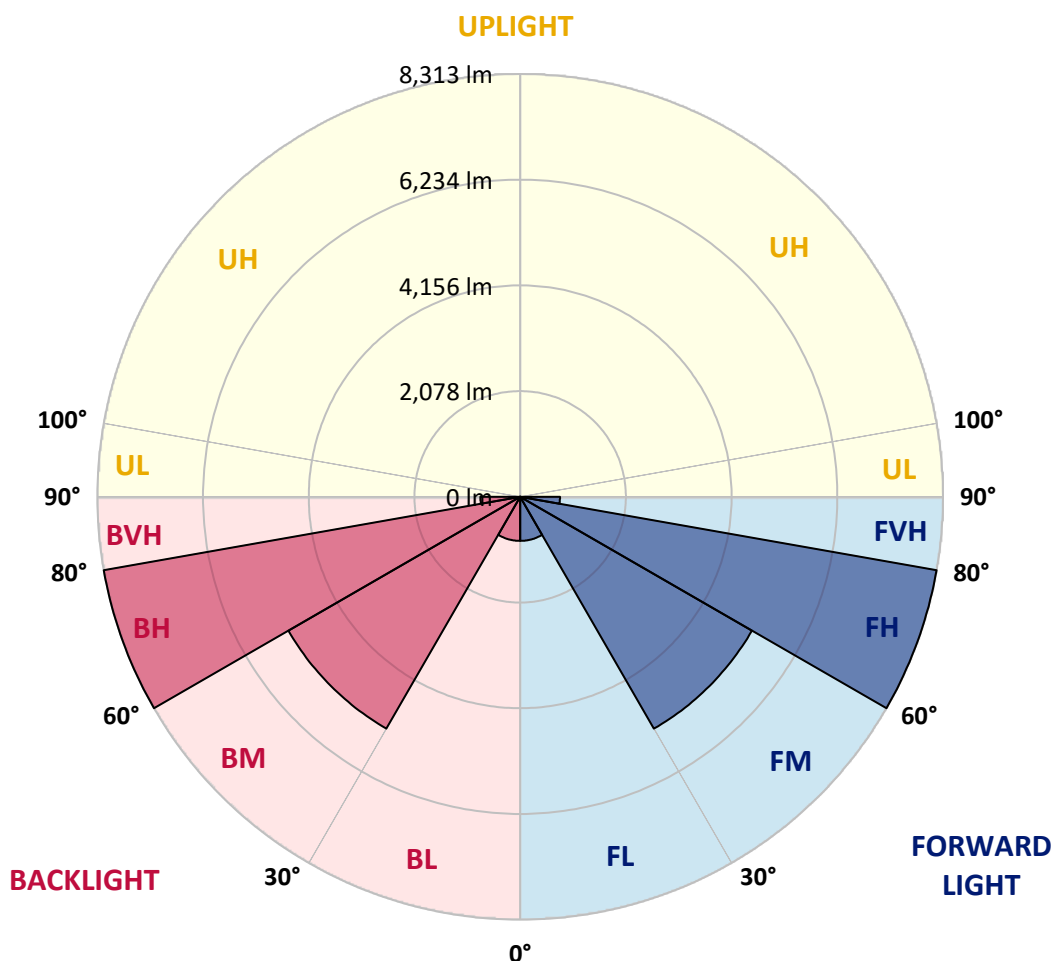
CATALOG NUMBER: VERD-M-CA4-210-730-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	865.4	2.8			
FM	(30°-60°)	5261.2	17.3			
FH	(60°-80°)	8312.5	27.3			G4/12000
FVH	(80°-90°)	782.9	2.6			G5
BL	(0°-30°)	865.4	2.8	B2/1000		
BM	(30°-60°)	5261.2	17.3	B4/8500		
BH	(60°-80°)	8312.5	27.3	B5		G4/12000
BVH	(80°-90°)	782.9	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: P510130

CATALOG NUMBER: VERD-M-CA4-210-730-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3
2.5°	1613.9	1623.3	1621.9	1619.3	1615.3	1615.3	1617.9	1627.3	1628.6	1628.6	1628.6
5°	1632.6	1642.0	1640.6	1638.0	1634.0	1632.6	1635.3	1644.6	1646.0	1646.0	1647.3
7.5°	1654.0	1664.7	1664.7	1663.3	1654.0	1654.0	1656.7	1668.7	1668.7	1671.4	1674.0
10°	1690.1	1702.1	1706.1	1700.8	1695.4	1692.7	1695.4	1707.4	1706.1	1703.4	1704.8
12.5°	1739.5	1751.5	1760.9	1759.5	1754.2	1751.5	1754.2	1760.9	1752.9	1742.2	1742.2
15°	1801.0	1817.0	1827.7	1827.7	1834.4	1830.4	1826.3	1827.7	1815.7	1806.3	1806.3
17.5°	1879.8	1893.1	1902.5	1910.5	1921.2	1921.2	1911.8	1909.2	1893.1	1885.1	1886.5
20°	1976.0	1986.7	2000.0	2006.7	2028.1	2029.4	2013.4	2006.7	1990.7	1980.0	1982.7
22.5°	2080.2	2098.9	2104.2	2124.3	2149.7	2151.0	2129.6	2114.9	2098.9	2090.9	2092.2
25°	2205.8	2224.5	2220.5	2237.8	2276.6	2280.6	2256.5	2235.2	2221.8	2213.8	2216.5
27.5°	2343.4	2362.1	2360.8	2360.8	2406.2	2423.5	2390.1	2367.4	2370.1	2355.4	2360.8
30°	2490.3	2506.4	2515.7	2499.7	2543.8	2571.8	2518.4	2521.1	2519.7	2510.4	2509.1
32.5°	2662.7	2677.4	2676.1	2665.4	2678.7	2718.8	2676.1	2689.4	2693.4	2694.8	2705.4
35°	2859.1	2876.5	2857.8	2843.1	2844.4	2883.1	2851.1	2872.5	2893.8	2901.8	2901.8
37.5°	3068.8	3078.2	3058.2	3035.4	3030.1	3051.5	3046.1	3080.9	3116.9	3137.0	3147.7
40°	3340.1	3348.1	3309.3	3265.2	3257.2	3281.3	3288.0	3364.1	3418.9	3456.3	3463.0
42.5°	3716.8	3715.5	3660.7	3579.2	3540.5	3577.9	3626.0	3714.1	3806.3	3814.3	3842.4
45°	4201.8	4183.1	4112.3	3990.7	3893.2	3879.8	3937.3	4068.2	4171.1	4215.2	4232.5
47.5°	4754.9	4733.5	4605.3	4416.9	4249.9	4197.8	4245.9	4410.2	4563.9	4628.0	4662.7
50°	5372.2	5346.8	5217.2	4962.0	4684.1	4589.2	4618.6	4823.0	5002.1	5083.6	5145.0
52.5°	6036.2	6032.1	5866.5	5572.6	5201.1	5047.5	5038.1	5284.0	5524.5	5632.7	5666.1
55°	6748.3	6728.2	6579.9	6260.6	5830.4	5543.2	5544.5	5817.0	6111.0	6252.6	6268.6
57.5°	7447.0	7439.0	7274.6	7002.1	6562.5	6184.5	6147.0	6509.1	6805.7	6921.9	6927.3
60°	8107.0	8132.4	8046.9	7797.0	7443.0	7015.5	6960.7	7266.6	7519.1	7619.3	7655.4
62.5°	8841.8	8849.8	8839.1	8654.8	8384.9	8096.3	7961.4	8117.7	8367.5	8450.4	8433.0
65°	9366.9	9419.0	9540.5	9635.4	9578.0	9357.5	9179.8	9187.8	9237.3	9183.8	9179.8
67.5°	8697.5	8811.1	9225.2	9891.9	10677.5	11020.9	10299.4	9493.8	9194.5	9000.8	8999.5
70°	7599.3	7675.5	8192.5	9345.5	11066.3	11571.3	10757.7	9288.0	8701.5	8471.7	8390.2
72.5°	6465.0	6525.1	7094.3	8271.3	10449.0	11246.6	10465.1	8684.2	7911.9	7405.6	7414.9
75°	5384.2	5374.8	5805.0	7014.1	9249.3	10328.8	9690.2	7728.9	6629.3	6168.4	6116.3
77.5°	3732.9	3818.4	4307.3	5543.2	7499.1	8740.3	8646.7	6362.1	5080.9	4589.2	4621.3
80°	1955.9	2009.4	2589.2	3763.6	5487.0	6704.2	6581.3	4499.7	3282.6	2738.8	2636.0
82.5°	815.0	849.7	1183.7	2033.4	3353.4	4172.4	4116.3	2742.9	1830.4	1274.6	1271.9
85°	346.0	347.4	502.3	871.1	1692.7	1982.7	1591.2	1178.4	641.3	402.1	359.4
87.5°	147.0	152.3	204.4	399.5	535.7	432.9	255.2	157.7	105.5	64.1	49.4
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)