

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: P510058

Luminaire Tested: **VERD-M-CA4-190-760-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510058
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-CA4-190-760-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 5700K, 870mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28377 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

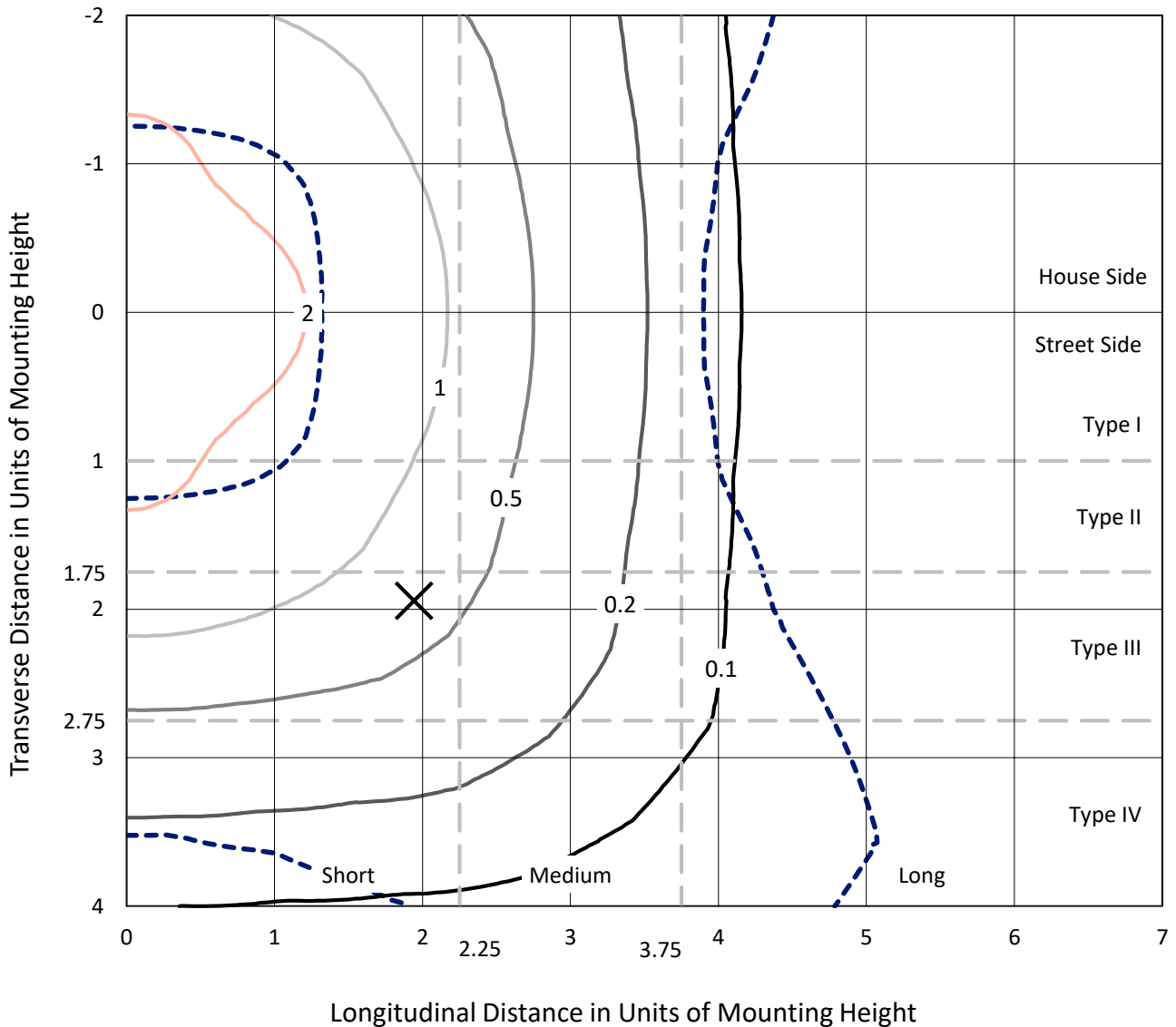
Input Watts (W): 193.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510058
 CATALOG NUMBER: VERD-M-CA4-190-760-U-T5

Iso-Footcandle Lines of Horizontal Illumination

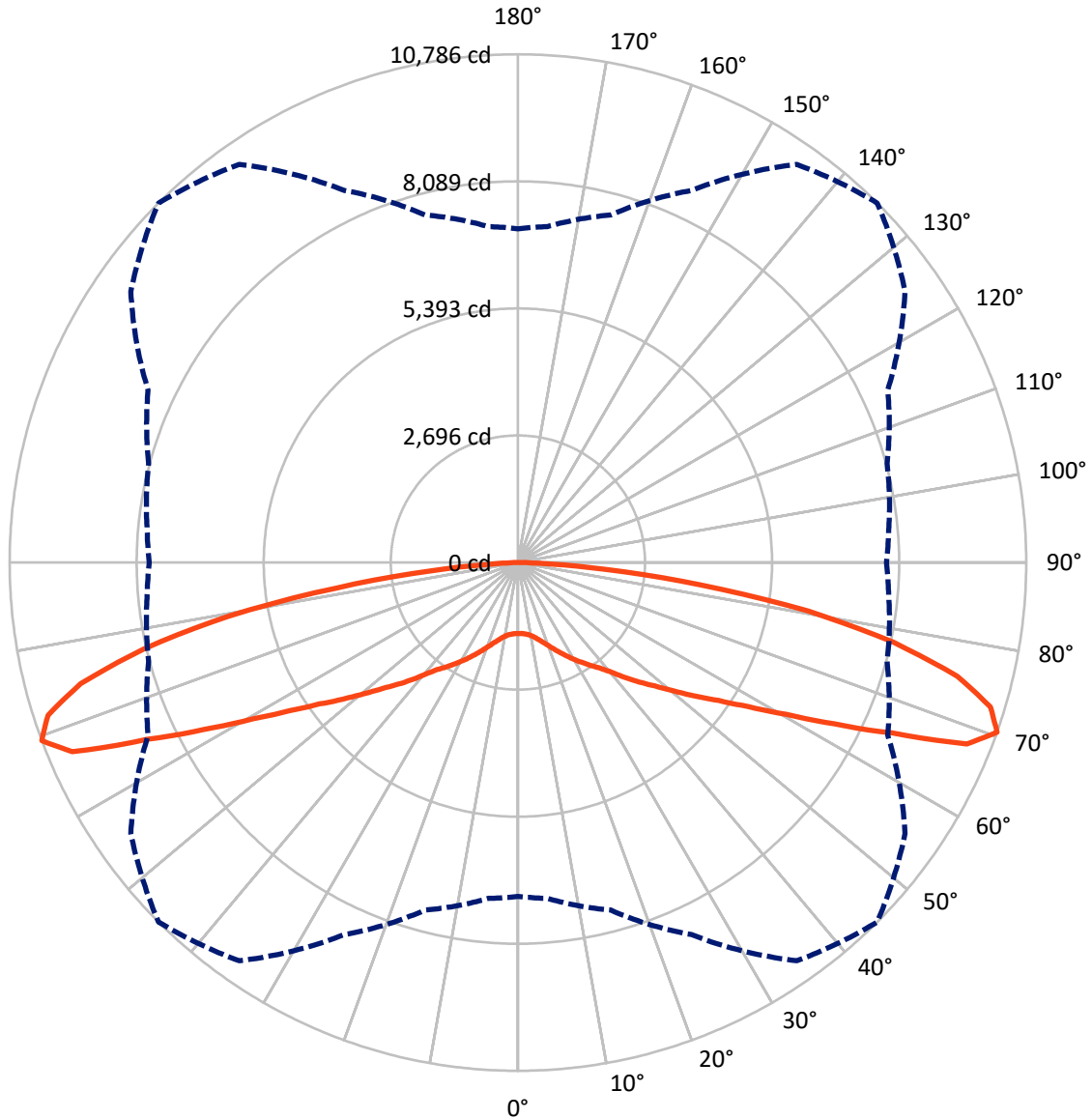
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

REPORT NUMBER: P510058
CATALOG NUMBER: VERD-M-CA4-190-760-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P510058

CATALOG NUMBER: VERD-M-CA4-190-760-U-T5

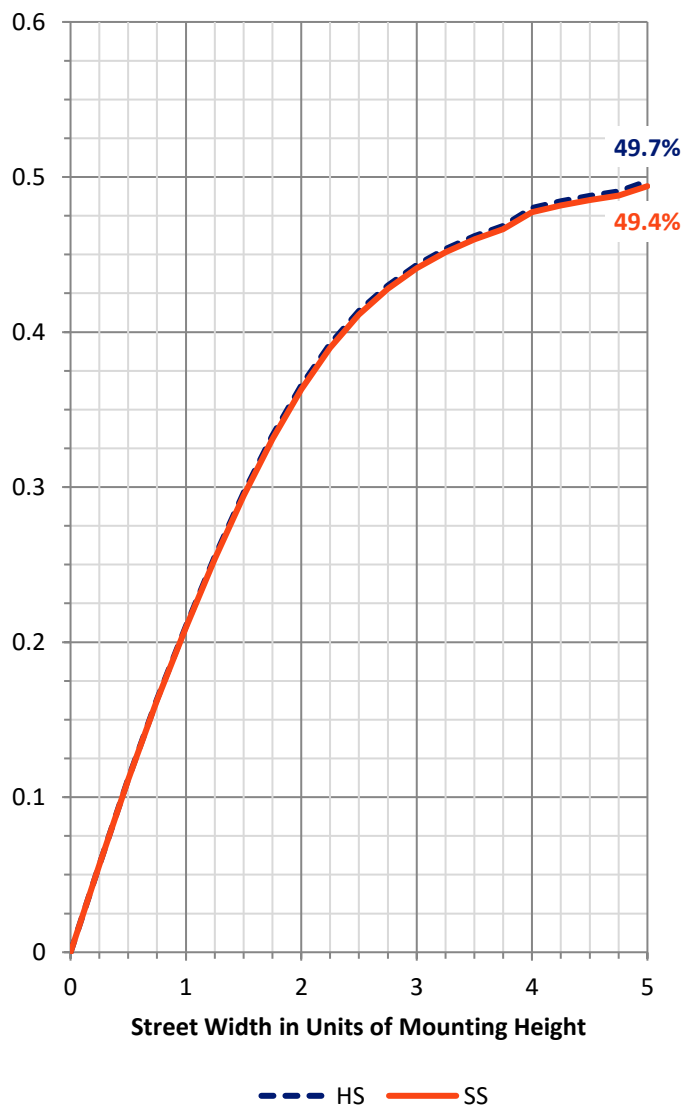
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14188.5	0.0	14188.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14188.5	0.0	14188.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28377.0	0.0	28377.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.6	0.5
10°-20°	488.6	1.7
20°-30°	977.1	3.4
30°-40°	1700.1	6.0
40°-50°	2957.9	10.4
50°-60°	5150.0	18.1
60°-70°	8340.8	29.4
70°-80°	7155.5	25.2
80°-90°	1459.5	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°	28377.0	100.0
0°-180°	28377.0	100.0

Coefficient of Utilization



REPORT NUMBER: P510058

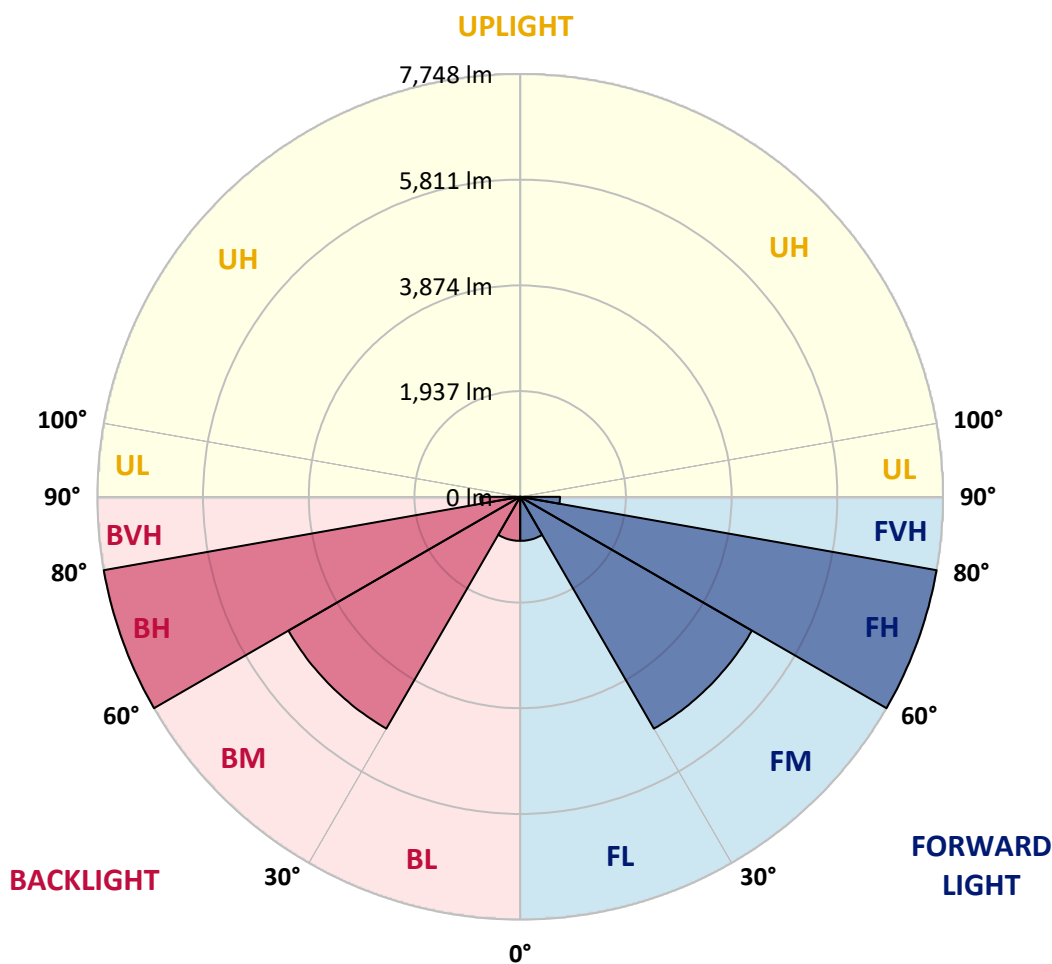
CATALOG NUMBER: VERD-M-CA4-190-760-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	806.6	2.8			
FM (30°-60°)	4904.0	17.3			
FH (60°-80°)	7748.1	27.3			G4/12000
FVH (80°-90°)	729.8	2.6			G4/750
BL (0°-30°)	806.6	2.8	B2/1000		
BM (30°-60°)	4904.0	17.3	B3/5000		
BH (60°-80°)	7748.1	27.3	B5		G4/12000
BVH (80°-90°)	729.8	2.6			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





REPORT NUMBER: P510058

CATALOG NUMBER: VERD-M-CA4-190-760-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1509.3	1509.3	1509.3	1509.3	1509.3	1509.3	1509.3	1509.3	1509.3	1509.3	1509.3
2.5°	1504.3	1513.1	1511.8	1509.3	1505.6	1505.6	1508.1	1516.8	1518.0	1518.0	1518.0
5°	1521.8	1530.5	1529.2	1526.8	1523.0	1521.8	1524.3	1533.0	1534.2	1534.2	1535.5
7.5°	1541.7	1551.7	1551.7	1550.4	1541.7	1541.7	1544.2	1555.4	1555.4	1557.9	1560.4
10°	1575.3	1586.5	1590.3	1585.3	1580.3	1577.8	1580.3	1591.5	1590.3	1587.8	1589.0
12.5°	1621.4	1632.6	1641.3	1640.1	1635.1	1632.6	1635.1	1641.3	1633.9	1623.9	1623.9
15°	1678.7	1693.6	1703.6	1703.6	1709.8	1706.1	1702.3	1703.6	1692.4	1683.7	1683.7
17.5°	1752.2	1764.6	1773.3	1780.8	1790.8	1790.8	1782.0	1779.6	1764.6	1757.1	1758.4
20°	1841.8	1851.8	1864.2	1870.5	1890.4	1891.6	1876.7	1870.5	1855.5	1845.6	1848.0
22.5°	1939.0	1956.4	1961.4	1980.0	2003.7	2005.0	1985.0	1971.3	1956.4	1948.9	1950.2
25°	2056.0	2073.4	2069.7	2085.9	2122.0	2125.8	2103.3	2083.4	2071.0	2063.5	2066.0
27.5°	2184.3	2201.7	2200.5	2200.5	2242.8	2259.0	2227.9	2206.7	2209.2	2195.5	2200.5
30°	2321.3	2336.2	2344.9	2330.0	2371.1	2397.2	2347.4	2349.9	2348.7	2339.9	2338.7
32.5°	2481.9	2495.6	2494.4	2484.4	2496.9	2534.2	2494.4	2506.8	2510.6	2511.8	2521.8
35°	2665.0	2681.2	2663.7	2650.0	2651.3	2687.4	2657.5	2677.4	2697.4	2704.8	2704.8
37.5°	2860.5	2869.2	2850.5	2829.4	2824.4	2844.3	2839.3	2871.7	2905.3	2924.0	2934.0
40°	3113.3	3120.8	3084.6	3043.5	3036.1	3058.5	3064.7	3135.7	3186.8	3221.6	3227.9
42.5°	3464.5	3463.2	3412.2	3336.2	3300.1	3335.0	3379.8	3462.0	3547.9	3555.4	3581.5
45°	3916.5	3899.1	3833.1	3719.8	3628.8	3616.4	3669.9	3792.0	3887.9	3929.0	3945.2
47.5°	4432.1	4412.1	4292.6	4117.0	3961.3	3912.8	3957.6	4110.8	4254.0	4313.8	4346.1
50°	5007.4	4983.7	4863.0	4625.1	4366.1	4277.7	4305.1	4495.6	4662.5	4738.4	4795.7
52.5°	5626.3	5622.6	5468.2	5194.2	4848.0	4704.8	4696.1	4925.2	5149.4	5250.2	5281.4
55°	6290.1	6271.4	6133.2	5835.5	5434.6	5166.8	5168.1	5422.1	5696.1	5828.1	5843.0
57.5°	6941.4	6933.9	6780.7	6526.7	6117.0	5764.6	5729.7	6067.2	6343.6	6452.0	6457.0
60°	7556.6	7580.2	7500.5	7267.7	6937.6	6539.1	6488.1	6773.3	7008.6	7102.0	7135.7
62.5°	8241.5	8249.0	8239.0	8067.1	7815.6	7546.6	7420.8	7566.5	7799.4	7876.6	7860.4
65°	8730.9	8779.5	8892.8	8981.2	8927.7	8722.2	8556.6	8564.0	8610.1	8560.3	8556.6
67.5°	8107.0	8212.8	8598.9	9220.3	9952.6	10272.6	9600.1	8849.2	8570.3	8389.7	8388.4
70°	7083.3	7154.3	7636.3	8711.0	10314.9	10785.7	10027.3	8657.4	8110.7	7896.5	7820.6
72.5°	6026.1	6082.1	6612.6	7709.7	9739.6	10483.1	9754.5	8094.5	7374.8	6902.8	6911.5
75°	5018.6	5009.9	5410.9	6537.9	8621.3	9627.5	9032.3	7204.1	6179.2	5749.6	5701.0
77.5°	3479.4	3559.1	4014.9	5166.8	6989.9	8146.8	8059.7	5930.2	4735.9	4277.7	4307.5
80°	1823.1	1873.0	2413.4	3508.1	5114.5	6249.0	6134.4	4194.2	3059.7	2552.9	2457.0
82.5°	759.6	792.0	1103.3	1895.4	3125.7	3889.1	3836.8	2556.6	1706.1	1188.0	1185.5
85°	322.5	323.8	468.2	811.9	1577.8	1848.0	1483.2	1098.4	597.8	374.8	335.0
87.5°	137.0	142.0	190.5	372.3	499.4	403.5	237.9	146.9	98.4	59.8	46.1
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)