

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: P510082

Luminaire Tested: **VERD-M-CA4-200-730-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510082
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-CA4-200-730-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 3000K, 910mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29085 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

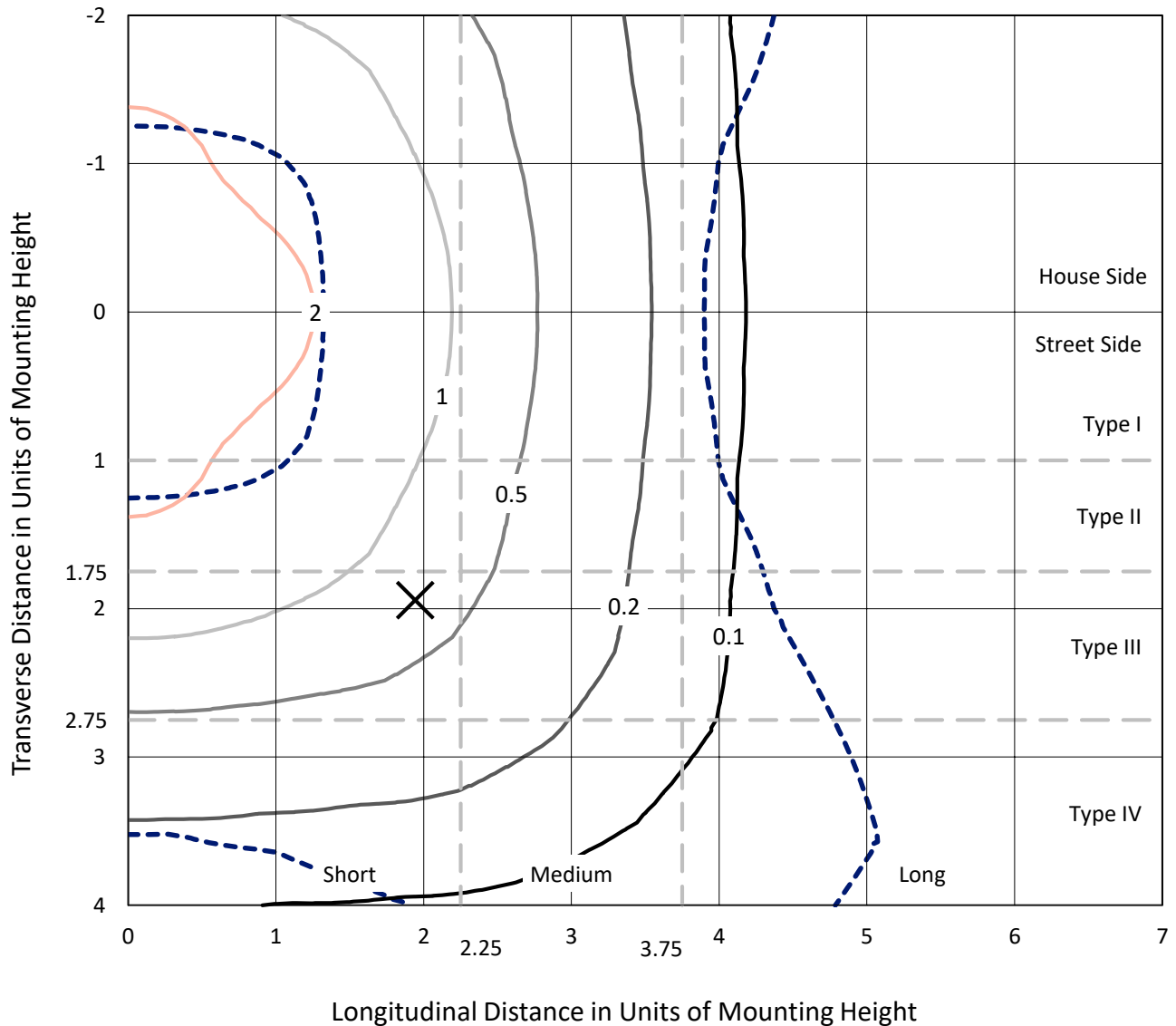
Input Watts (W): 201.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

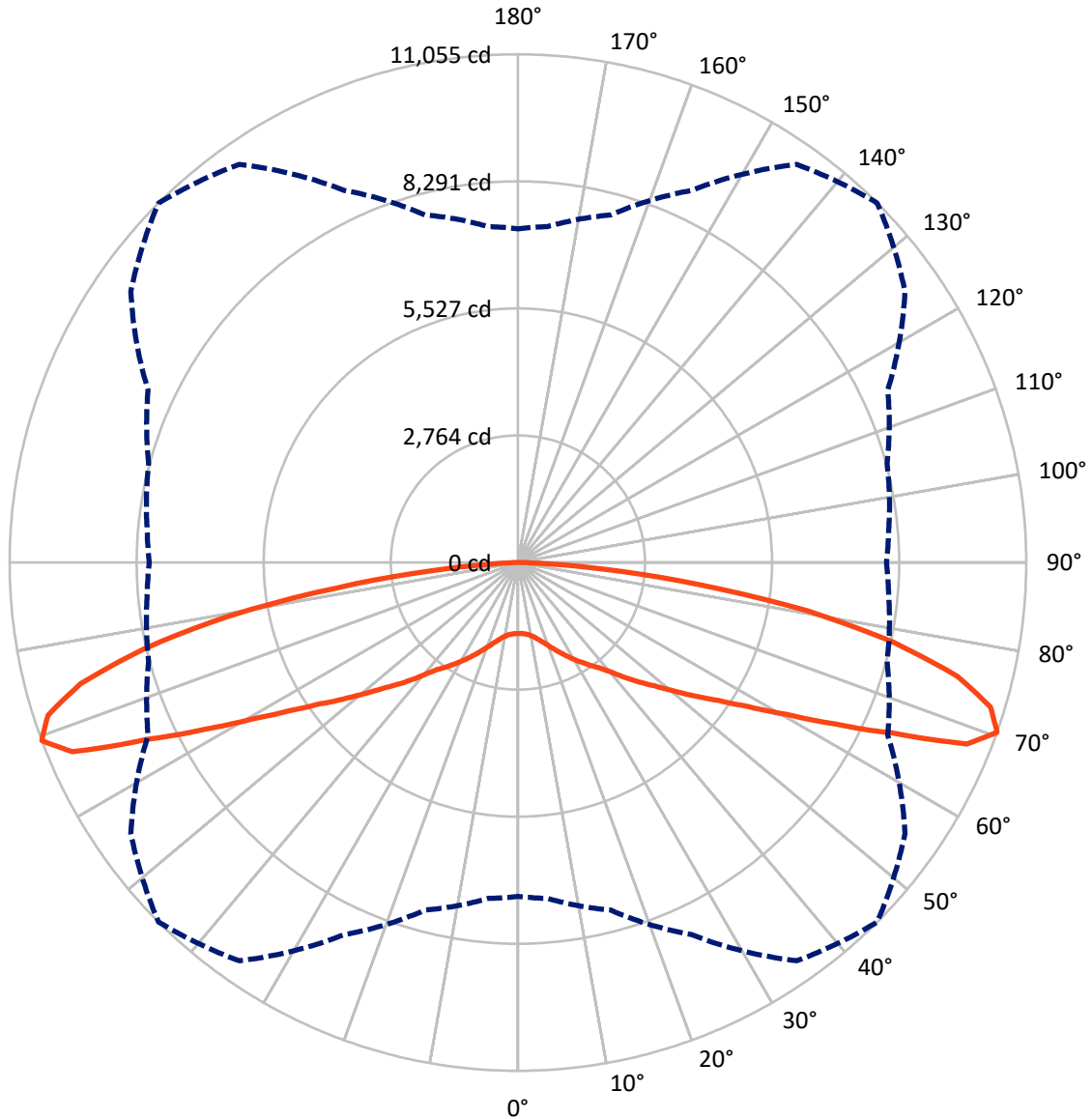
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	14542.5	0.0	14542.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14542.5	0.0	14542.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29085.0	0.0	29085.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.3	0.5
10°-20°	500.8	1.7
20°-30°	1001.5	3.4
30°-40°	1742.5	6.0
40°-50°	3031.7	10.4
50°-60°	5278.4	18.1
60°-70°	8548.9	29.4
70°-80°	7334.0	25.2
80°-90°	1496.0	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°	29085.0	100.0
0°-180°	29085.0	100.0



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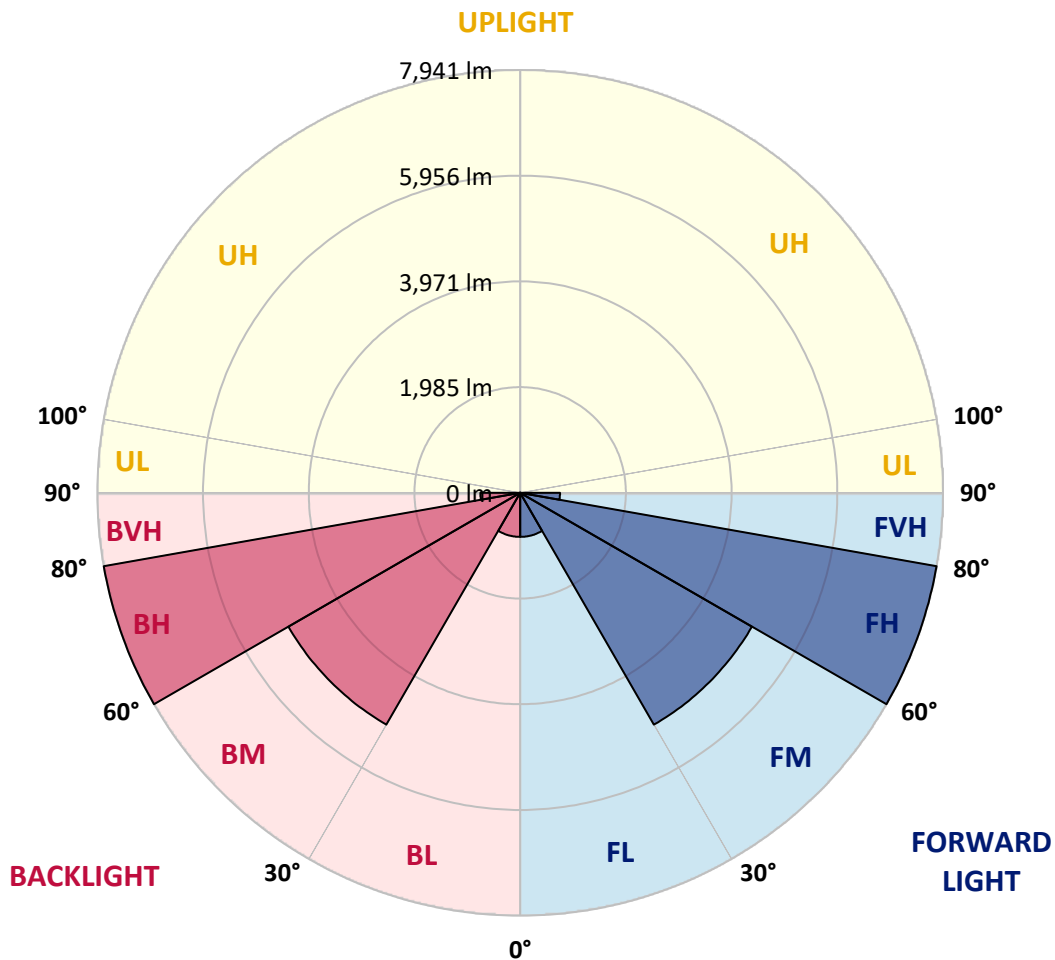
CATALOG NUMBER: VERD-M-CA4-200-730-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	826.8	2.8			
FM (30°-60°)	5026.3	17.3			
FH (60°-80°)	7941.4	27.3			G4/12000
FVH (80°-90°)	748.0	2.6			G4/750
BL (0°-30°)	826.8	2.8	B2/1000		
BM (30°-60°)	5026.3	17.3	B4/8500		
BH (60°-80°)	7941.4	27.3	B5		G4/12000
BVH (80°-90°)	748.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0
2.5°	1541.9	1550.8	1549.5	1547.0	1543.1	1543.1	1545.7	1554.6	1555.9	1555.9	1555.9
5°	1559.7	1568.7	1567.4	1564.8	1561.0	1559.7	1562.3	1571.2	1572.5	1572.5	1573.8
7.5°	1580.2	1590.4	1590.4	1589.1	1580.2	1580.2	1582.7	1594.2	1594.2	1596.8	1599.3
10°	1614.6	1626.1	1629.9	1624.8	1619.7	1617.2	1619.7	1631.2	1629.9	1627.4	1628.7
12.5°	1661.9	1673.3	1682.3	1681.0	1675.9	1673.3	1675.9	1682.3	1674.6	1664.4	1664.4
15°	1720.6	1735.9	1746.1	1746.1	1752.5	1748.6	1744.8	1746.1	1734.6	1725.7	1725.7
17.5°	1795.9	1808.6	1817.6	1825.2	1835.4	1835.4	1826.5	1824.0	1808.6	1801.0	1802.3
20°	1887.8	1898.0	1910.7	1917.1	1937.6	1938.8	1923.5	1917.1	1901.8	1891.6	1894.2
22.5°	1987.3	2005.2	2010.3	2029.5	2053.7	2055.0	2034.6	2020.5	2005.2	1997.5	1998.8
25°	2107.3	2125.2	2121.4	2137.9	2175.0	2178.8	2155.8	2135.4	2122.6	2115.0	2117.5
27.5°	2238.8	2256.6	2255.4	2255.4	2298.8	2315.4	2283.5	2261.8	2264.3	2250.3	2255.4
30°	2379.2	2394.5	2403.4	2388.1	2430.2	2457.0	2406.0	2408.5	2407.3	2398.3	2397.1
32.5°	2543.8	2557.9	2556.6	2546.4	2559.2	2597.4	2556.6	2569.4	2573.2	2574.5	2584.7
35°	2731.5	2748.1	2730.2	2716.1	2717.4	2754.4	2723.8	2744.2	2764.6	2772.3	2772.3
37.5°	2931.9	2940.8	2921.6	2899.9	2894.8	2915.3	2910.2	2943.3	2977.8	2997.0	3007.2
40°	3191.0	3198.6	3161.6	3119.5	3111.8	3134.8	3141.2	3213.9	3266.3	3302.0	3308.4
42.5°	3550.9	3549.6	3497.3	3419.4	3382.4	3418.2	3464.1	3548.3	3636.4	3644.1	3670.9
45°	4014.2	3996.4	3928.7	3812.6	3719.4	3706.6	3761.5	3886.6	3984.9	4027.0	4043.6
47.5°	4542.7	4522.2	4399.7	4219.7	4060.2	4010.4	4056.3	4213.3	4360.1	4421.4	4454.6
50°	5132.3	5108.1	4984.3	4740.5	4475.0	4384.4	4412.5	4607.7	4778.8	4856.6	4915.4
52.5°	5766.7	5762.9	5604.6	5323.8	4969.0	4822.2	4813.2	5048.1	5277.8	5381.2	5413.1
55°	6447.0	6427.9	6286.2	5981.1	5570.1	5295.7	5297.0	5557.4	5838.2	5973.5	5988.8
57.5°	7114.6	7106.9	6949.9	6689.5	6269.6	5908.4	5872.6	6218.5	6501.9	6612.9	6618.1
60°	7745.1	7769.4	7687.7	7449.0	7110.7	6702.3	6650.0	6942.3	7183.5	7279.2	7313.7
62.5°	8447.1	8454.8	8444.6	8268.4	8010.6	7734.9	7606.0	7755.3	7994.0	8073.1	8056.5
65°	8948.7	8998.5	9114.7	9205.3	9150.4	8939.8	8770.0	8777.7	8824.9	8773.9	8770.0
67.5°	8309.3	8417.8	8813.4	9450.4	10200.9	10528.9	9839.6	9070.0	8784.1	8599.0	8597.7
70°	7260.1	7332.8	7826.8	8928.3	10572.3	11054.8	10277.4	8873.4	8313.1	8093.6	8015.7
72.5°	6176.4	6233.9	6777.6	7902.1	9982.6	10744.6	9997.9	8296.5	7558.7	7075.0	7083.9
75°	5143.8	5134.9	5545.9	6701.0	8836.4	9867.7	9257.6	7383.9	6333.4	5893.1	5843.3
77.5°	3566.2	3647.9	4115.1	5295.7	7164.3	8350.1	8260.8	6078.1	4854.1	4384.4	4415.0
80°	1868.6	1919.7	2473.6	3595.6	5242.1	6404.9	6287.5	4298.9	3136.1	2616.6	2518.3
82.5°	778.6	811.8	1130.9	1942.7	3203.7	3986.1	3932.5	2620.4	1748.6	1217.7	1215.1
85°	330.6	331.9	479.9	832.2	1617.2	1894.2	1520.2	1125.8	612.7	384.2	343.3
87.5°	140.4	145.5	195.3	381.6	511.8	413.5	243.8	150.6	100.8	61.3	47.2
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)