

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: P509890

Luminaire Tested: **VERD-M-CA3-160-730-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509890
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-CA3-160-730-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 3000K, 1000mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23577 lumens
Efficiency: N/A
Efficacy: 144.9 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

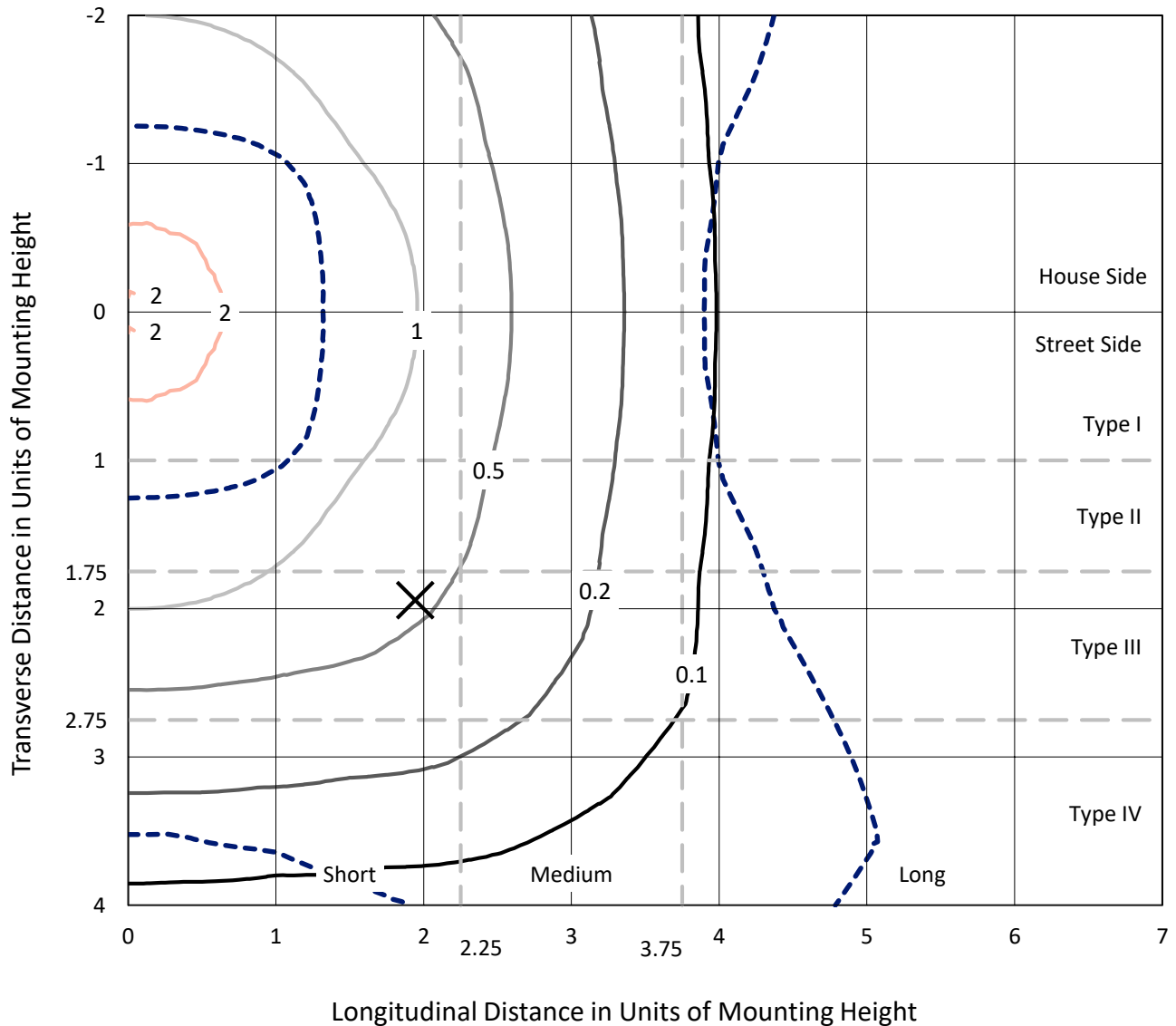
Input Watts (W): 162.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

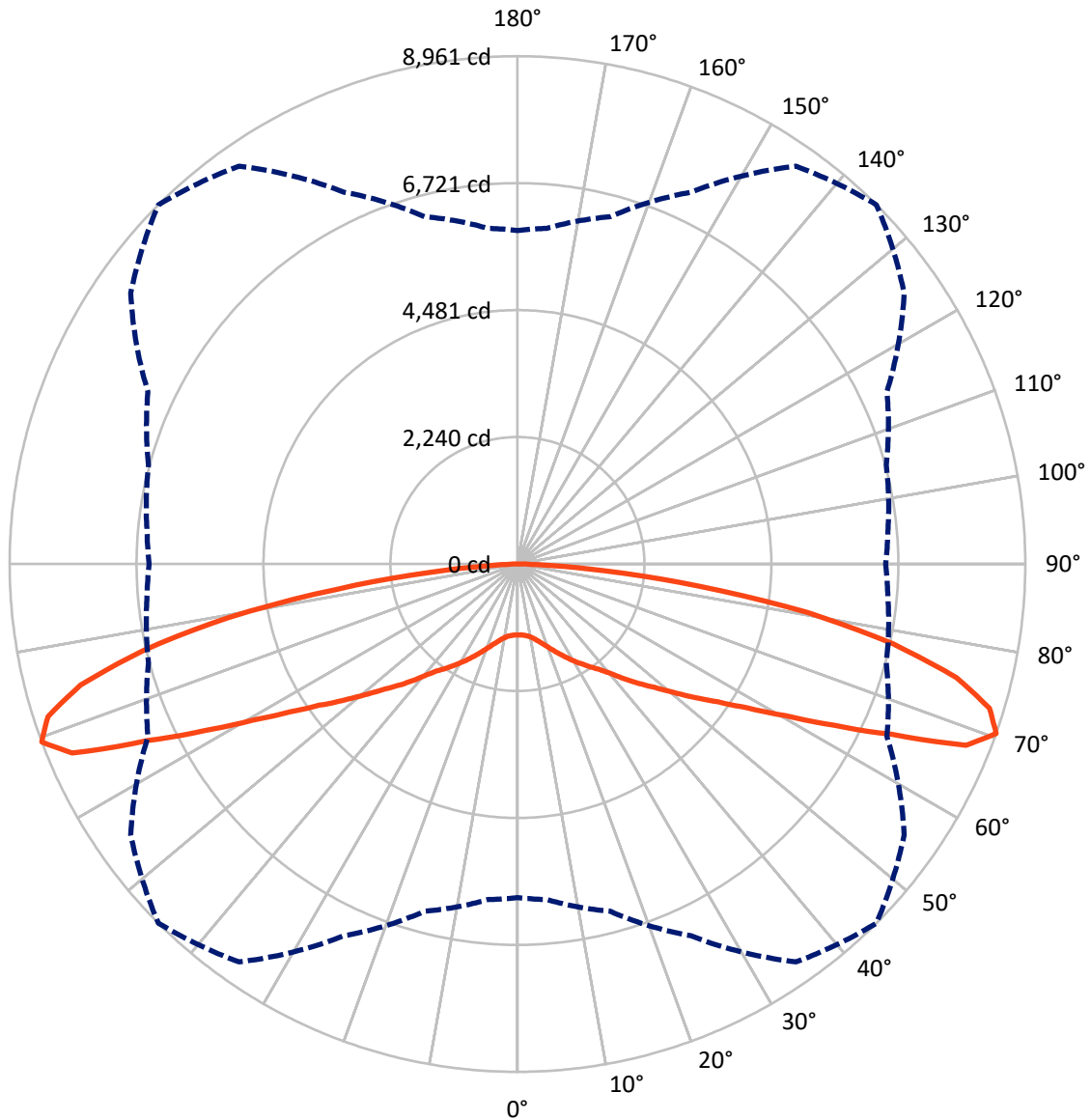
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	11788.5	0.0	11788.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11788.5	0.0	11788.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23577.0	0.0	23577.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	0.5
10°-20°	405.9	1.7
20°-30°	811.8	3.4
30°-40°	1412.5	6.0
40°-50°	2457.5	10.4
50°-60°	4278.8	18.1
60°-70°	6929.9	29.4
70°-80°	5945.1	25.2
80°-90°	1212.7	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°	23577.0	100.0
0°-180°	23577.0	100.0



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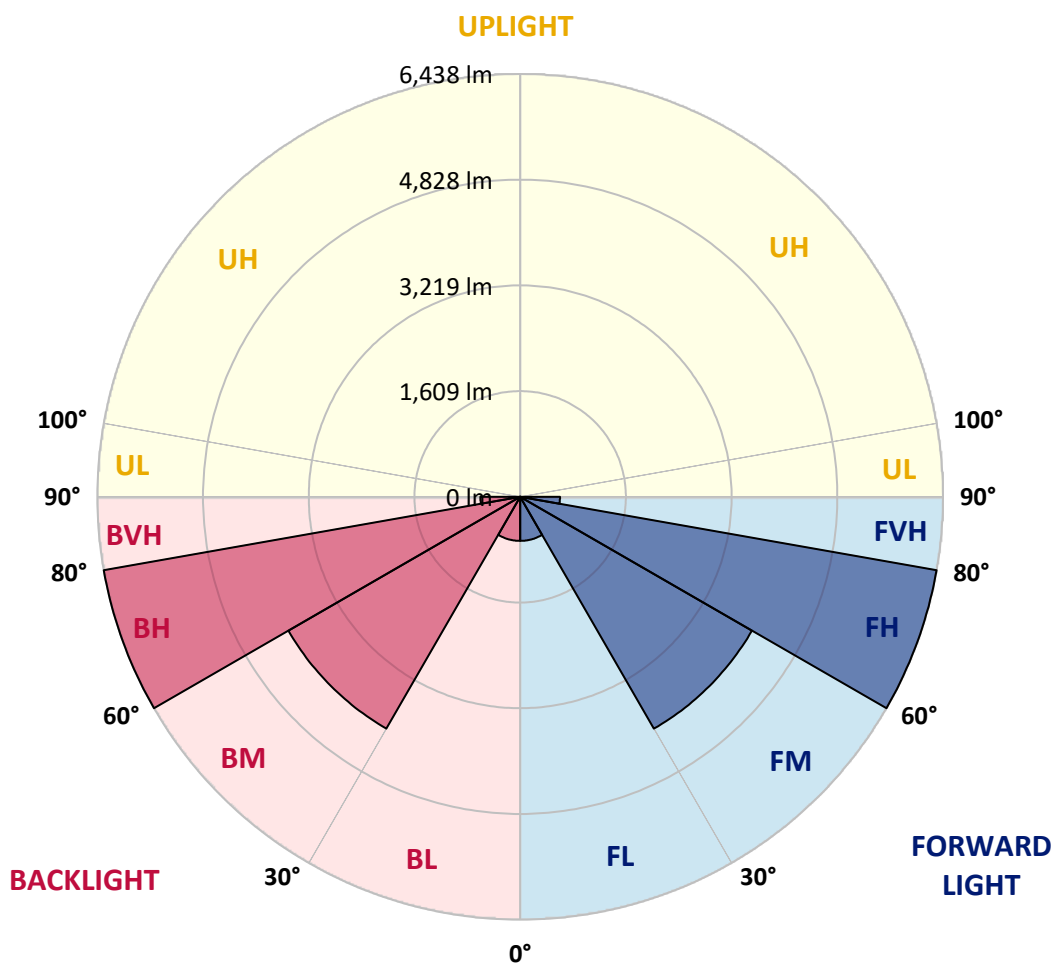
CATALOG NUMBER: VERD-M-CA3-160-730-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	670.2	2.8			
FM (30°-60°)	4074.5	17.3			
FH (60°-80°)	6437.5	27.3			G3/7500
FVH (80°-90°)	606.3	2.6			G4/750
BL (0°-30°)	670.2	2.8	B2/1000		
BM (30°-60°)	4074.5	17.3	B3/5000		
BH (60°-80°)	6437.5	27.3	B5		G3/7500
BVH (80°-90°)	606.3	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°	1254.0	1254.0	1254.0	1254.0	1254.0	1254.0	1254.0	1254.0	1254.0	1254.0	1254.0
2.5°	1249.9	1257.1	1256.1	1254.0	1250.9	1250.9	1253.0	1260.2	1261.3	1261.3	1261.3
5°	1264.4	1271.6	1270.6	1268.5	1265.4	1264.4	1266.4	1273.7	1274.7	1274.7	1275.7
7.5°	1280.9	1289.2	1289.2	1288.2	1280.9	1280.9	1283.0	1292.3	1292.3	1294.4	1296.4
10°	1308.9	1318.2	1321.3	1317.1	1313.0	1310.9	1313.0	1322.3	1321.3	1319.2	1320.2
12.5°	1347.1	1356.4	1363.7	1362.7	1358.5	1356.4	1358.5	1363.7	1357.5	1349.2	1349.2
15°	1394.7	1407.1	1415.4	1415.4	1420.6	1417.5	1414.4	1415.4	1406.1	1398.9	1398.9
17.5°	1455.8	1466.1	1473.4	1479.6	1487.9	1487.9	1480.6	1478.5	1466.1	1459.9	1461.0
20°	1530.3	1538.6	1548.9	1554.1	1570.6	1571.7	1559.2	1554.1	1541.7	1533.4	1535.4
22.5°	1611.0	1625.5	1629.6	1645.1	1664.8	1665.8	1649.3	1637.9	1625.5	1619.3	1620.3
25°	1708.2	1722.7	1719.6	1733.1	1763.1	1766.2	1747.6	1731.0	1720.7	1714.4	1716.5
27.5°	1814.8	1829.3	1828.3	1828.3	1863.4	1876.9	1851.0	1833.4	1835.5	1824.1	1828.3
30°	1928.6	1941.0	1948.3	1935.9	1970.0	1991.7	1950.3	1952.4	1951.4	1944.1	1943.1
32.5°	2062.1	2073.5	2072.4	2064.2	2074.5	2105.5	2072.4	2082.8	2085.9	2086.9	2095.2
35°	2214.2	2227.6	2213.2	2201.8	2202.8	2232.8	2208.0	2224.5	2241.1	2247.3	2247.3
37.5°	2376.6	2383.9	2368.4	2350.8	2346.6	2363.2	2359.0	2385.9	2413.9	2429.4	2437.7
40°	2586.7	2592.9	2562.9	2528.7	2522.5	2541.1	2546.3	2605.3	2647.7	2676.7	2681.9
42.5°	2878.4	2877.4	2835.0	2771.9	2741.9	2770.8	2808.1	2876.4	2947.8	2954.0	2975.7
45°	3254.0	3239.5	3184.7	3090.6	3015.0	3004.7	3049.2	3150.6	3230.2	3264.4	3277.8
47.5°	3682.4	3665.8	3566.5	3420.6	3291.3	3250.9	3288.2	3415.4	3534.4	3584.1	3611.0
50°	4160.4	4140.7	4040.4	3842.8	3627.5	3554.1	3576.8	3735.2	3873.8	3936.9	3984.5
52.5°	4674.6	4671.5	4543.2	4315.6	4028.0	3909.0	3901.7	4092.1	4278.4	4362.2	4388.0
55°	5226.1	5210.6	5095.7	4848.5	4515.3	4292.8	4293.9	4504.9	4732.6	4842.2	4854.7
57.5°	5767.2	5761.0	5633.8	5422.7	5082.3	4789.5	4760.5	5040.9	5270.6	5360.6	5364.8
60°	6278.4	6298.0	6231.8	6038.3	5764.1	5433.0	5390.6	5627.6	5823.1	5900.7	5928.6
62.5°	6847.4	6853.6	6845.4	6702.6	6493.6	6270.1	6165.6	6286.6	6480.1	6544.3	6530.8
65°	7254.1	7294.4	7388.6	7462.0	7417.5	7246.8	7109.2	7115.4	7153.7	7112.3	7109.2
67.5°	6735.7	6823.6	7144.4	7660.7	8269.1	8535.0	7976.3	7352.4	7120.6	6970.6	6969.5
70°	5885.2	5944.2	6344.6	7237.5	8570.2	8961.3	8331.1	7193.0	6738.8	6560.8	6497.7
72.5°	5006.8	5053.3	5494.1	6405.6	8092.1	8709.8	8104.6	6725.3	6127.3	5735.2	5742.4
75°	4169.7	4162.5	4495.6	5432.0	7163.0	7999.0	7504.4	5985.6	5134.0	4777.1	4736.7
77.5°	2890.9	2957.1	3335.8	4292.8	5807.6	6768.8	6696.4	4927.1	3934.8	3554.1	3578.9
80°	1514.8	1556.1	2005.2	2914.7	4249.4	5192.0	5096.8	3484.8	2542.2	2121.1	2041.4
82.5°	631.1	658.0	916.7	1574.8	2597.0	3231.3	3187.8	2124.2	1417.5	987.1	985.0
85°	268.0	269.0	389.0	674.6	1310.9	1535.4	1232.3	912.6	496.6	311.4	278.3
87.5°	113.8	118.0	158.3	309.4	414.9	335.2	197.6	122.1	81.7	49.7	38.3
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)