

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: P509938

Luminaire Tested: **VERD-M-CA3-170-730-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509938
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-CA3-170-730-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 3000K, 1060mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24703 lumens
Efficiency: N/A
Efficacy: 143.0 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

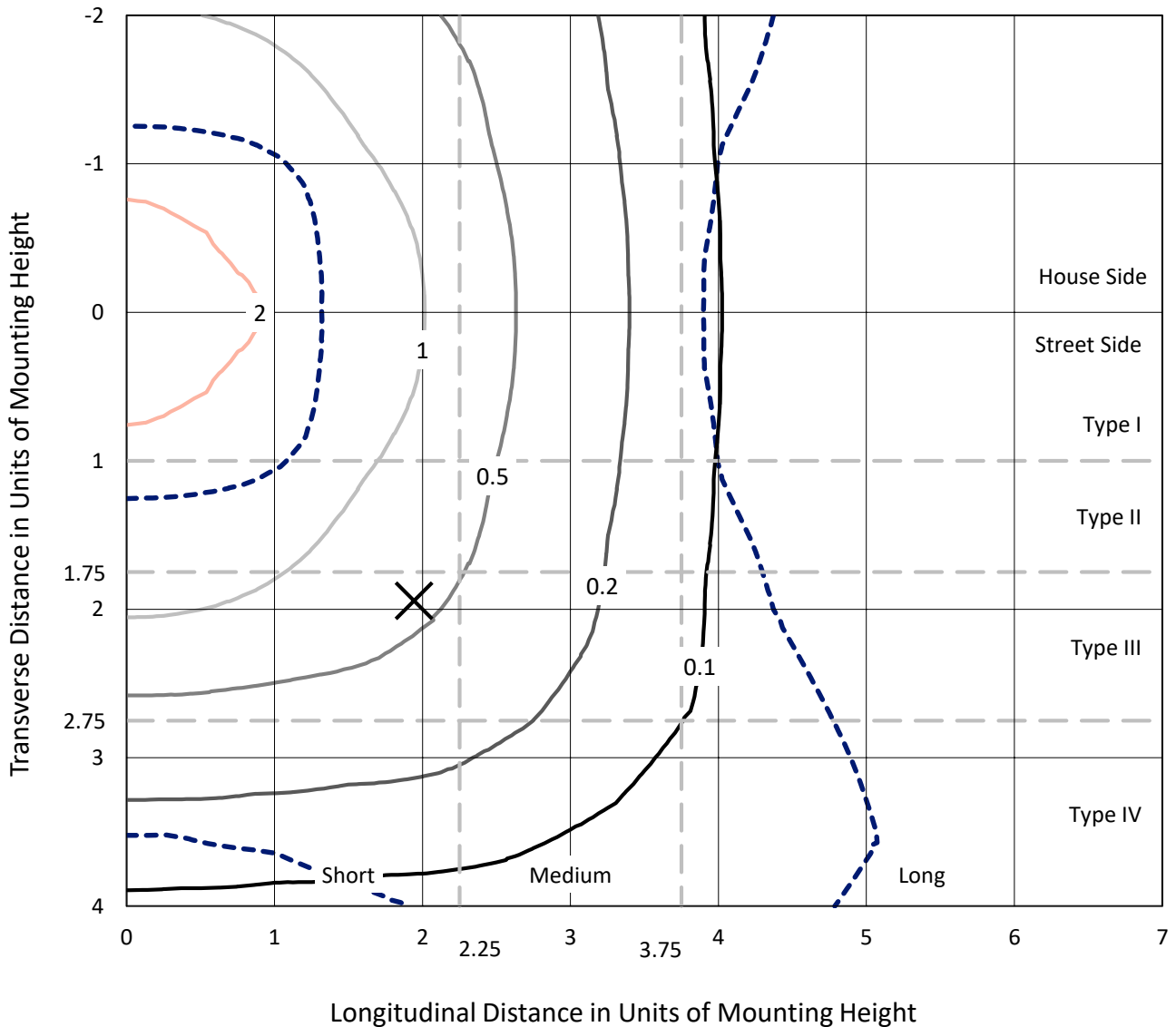
Input Watts (W): 172.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509938
 CATALOG NUMBER: VERD-M-CA3-170-730-U-T5

Iso-Footcandle Lines of Horizontal Illumination

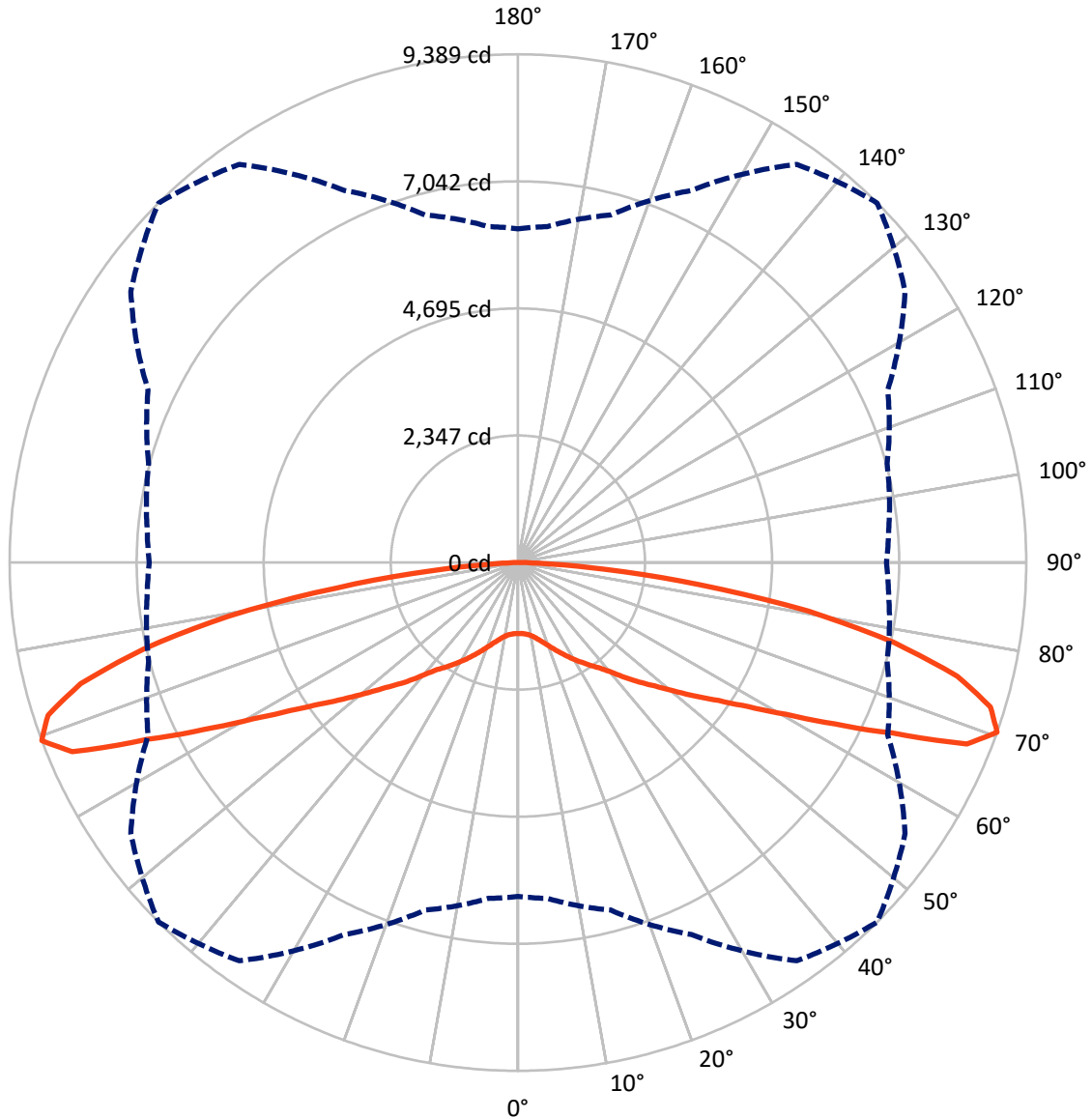
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

REPORT NUMBER: P509938
CATALOG NUMBER: VERD-M-CA3-170-730-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509938

CATALOG NUMBER: VERD-M-CA3-170-730-U-T5

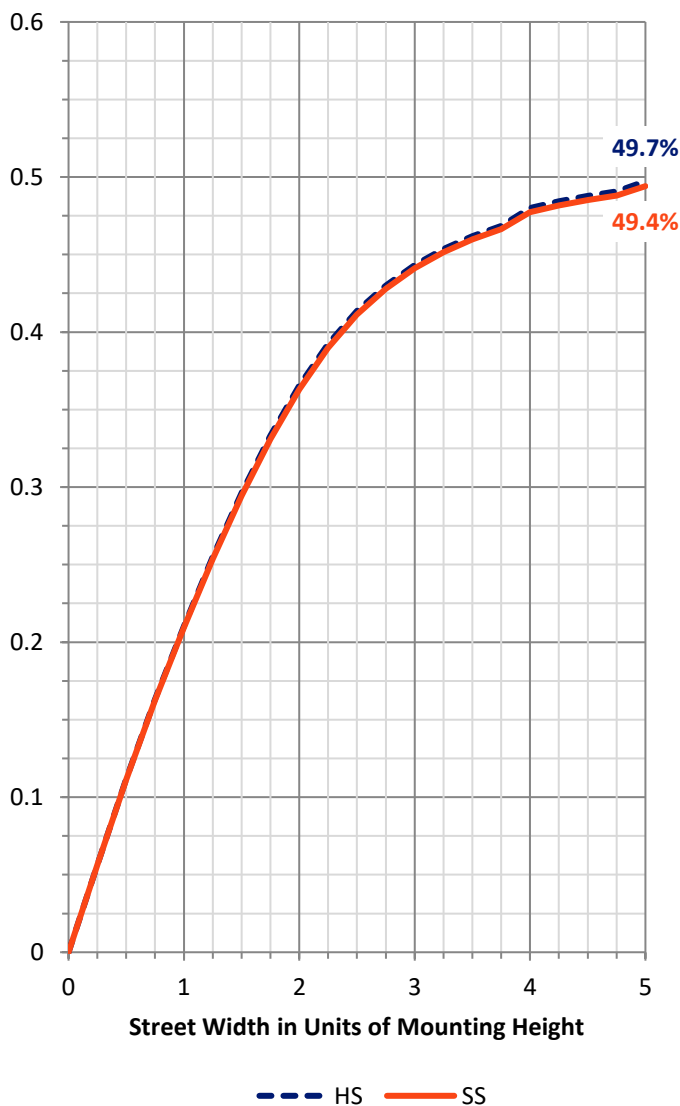
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12351.5	0.0	12351.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12351.5	0.0	12351.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24703.0	0.0	24703.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	0.5
10°-20°	425.3	1.7
20°-30°	850.6	3.4
30°-40°	1480.0	6.0
40°-50°	2574.9	10.4
50°-60°	4483.2	18.1
60°-70°	7260.9	29.4
70°-80°	6229.1	25.2
80°-90°	1270.6	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°	24703.0	100.0
0°-180°	24703.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509938

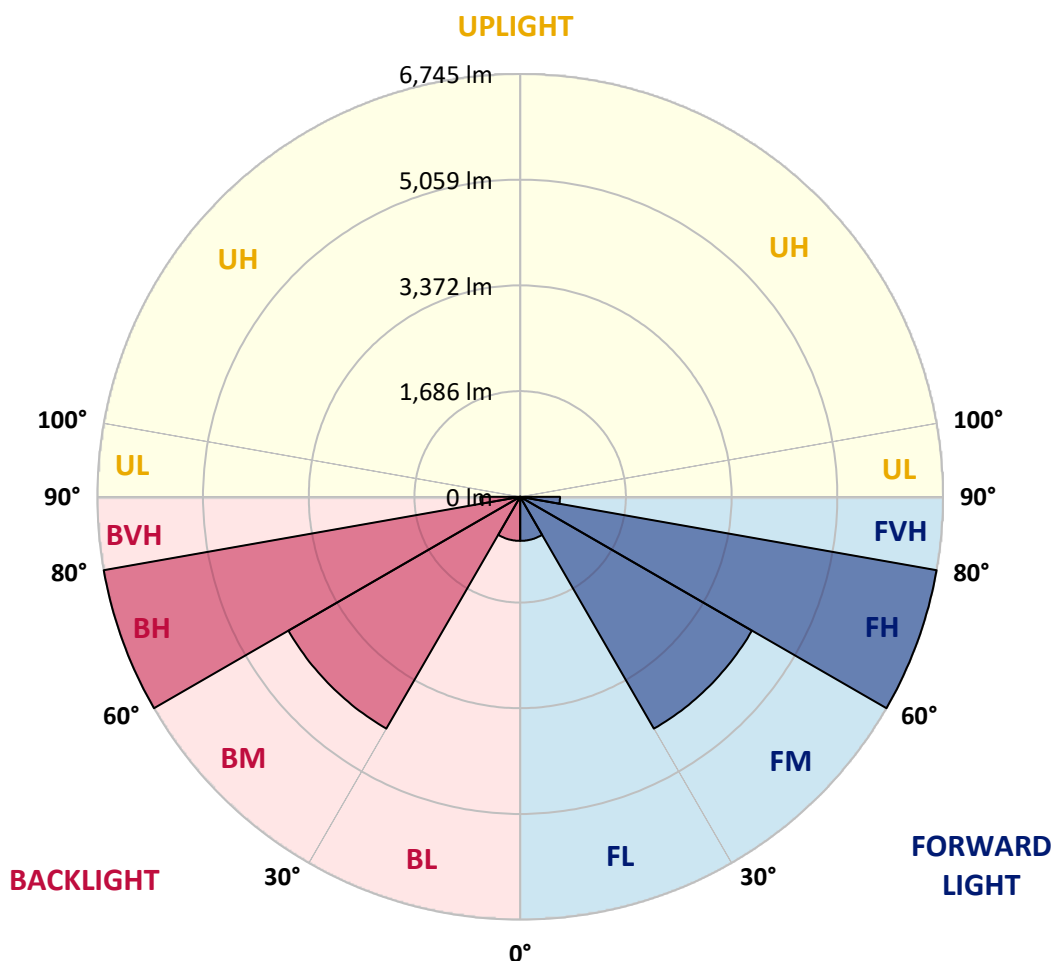
CATALOG NUMBER: VERD-M-CA3-170-730-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	702.2	2.8			
FM	(30°-60°)	4269.0	17.3			
FH	(60°-80°)	6745.0	27.3			G3/7500
FVH	(80°-90°)	635.3	2.6			G4/750
BL	(0°-30°)	702.2	2.8	B2/1000		
BM	(30°-60°)	4269.0	17.3	B3/5000		
BH	(60°-80°)	6745.0	27.3	B5		G3/7500
BVH	(80°-90°)	635.3	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





REPORT NUMBER: P509938

CATALOG NUMBER: VERD-M-CA3-170-730-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1313.9	1313.9	1313.9	1313.9	1313.9	1313.9	1313.9	1313.9	1313.9	1313.9	1313.9
2.5°	1309.6	1317.2	1316.1	1313.9	1310.7	1310.7	1312.8	1320.4	1321.5	1321.5	1321.5
5°	1324.7	1332.3	1331.3	1329.1	1325.8	1324.7	1326.9	1334.5	1335.6	1335.6	1336.7
7.5°	1342.1	1350.8	1350.8	1349.7	1342.1	1342.1	1344.3	1354.0	1354.0	1356.2	1358.4
10°	1371.4	1381.1	1384.4	1380.0	1375.7	1373.5	1375.7	1385.5	1384.4	1382.2	1383.3
12.5°	1411.5	1421.2	1428.8	1427.7	1423.4	1421.2	1423.4	1428.8	1422.3	1413.6	1413.6
15°	1461.3	1474.4	1483.0	1483.0	1488.4	1485.2	1481.9	1483.0	1473.3	1465.7	1465.7
17.5°	1525.3	1536.1	1543.7	1550.2	1558.9	1558.9	1551.3	1549.2	1536.1	1529.6	1530.7
20°	1603.4	1612.0	1622.9	1628.3	1645.6	1646.7	1633.7	1628.3	1615.3	1606.6	1608.8
22.5°	1687.9	1703.1	1707.4	1723.7	1744.3	1745.4	1728.0	1716.1	1703.1	1696.6	1697.7
25°	1789.8	1805.0	1801.7	1815.8	1847.3	1850.5	1831.0	1813.7	1802.8	1796.3	1798.5
27.5°	1901.5	1916.7	1915.6	1915.6	1952.4	1966.5	1939.4	1921.0	1923.2	1911.2	1915.6
30°	2020.7	2033.7	2041.3	2028.3	2064.1	2086.9	2043.5	2045.7	2044.6	2037.0	2035.9
32.5°	2160.6	2172.5	2171.4	2162.7	2173.6	2206.1	2171.4	2182.3	2185.5	2186.6	2195.3
35°	2319.9	2334.0	2318.9	2306.9	2308.0	2339.4	2313.4	2330.8	2348.1	2354.6	2354.6
37.5°	2490.1	2497.7	2481.5	2463.0	2458.7	2476.0	2471.7	2499.9	2529.2	2545.4	2554.1
40°	2710.2	2716.7	2685.3	2649.5	2643.0	2662.5	2667.9	2729.7	2774.2	2804.5	2809.9
42.5°	3015.9	3014.8	2970.4	2904.3	2872.8	2903.2	2942.2	3013.7	3088.5	3095.1	3117.8
45°	3409.4	3394.3	3336.8	3238.2	3159.0	3148.2	3194.8	3301.0	3384.5	3420.3	3434.4
47.5°	3858.2	3840.9	3736.8	3584.0	3448.5	3406.2	3445.2	3578.6	3703.2	3755.3	3783.4
50°	4359.1	4338.5	4233.3	4026.3	3800.8	3723.8	3747.7	3913.5	4058.8	4124.9	4174.8
52.5°	4897.9	4894.6	4760.2	4521.7	4220.3	4095.7	4088.1	4287.5	4482.7	4570.5	4597.6
55°	5475.7	5459.4	5339.1	5080.0	4730.9	4497.9	4498.9	4720.1	4958.6	5073.5	5086.5
57.5°	6042.7	6036.2	5902.8	5681.7	5325.0	5018.2	4987.9	5281.6	5522.3	5616.6	5621.0
60°	6578.2	6598.8	6529.4	6326.7	6039.4	5692.5	5648.1	5896.3	6101.2	6182.5	6211.8
62.5°	7174.5	7181.0	7172.3	7022.7	6803.7	6569.5	6460.0	6586.9	6789.6	6856.8	6842.7
65°	7600.5	7642.8	7741.4	7818.4	7771.8	7592.9	7448.7	7455.2	7495.3	7452.0	7448.7
67.5°	7057.4	7149.5	7485.6	8026.5	8664.0	8942.6	8357.2	7703.5	7460.7	7303.5	7302.4
70°	6166.3	6228.1	6647.6	7583.2	8979.5	9389.2	8729.0	7536.5	7060.6	6874.2	6808.0
72.5°	5245.9	5294.7	5756.5	6711.6	8478.6	9125.8	8491.6	7046.5	6419.9	6009.1	6016.7
75°	4368.9	4361.3	4710.3	5691.4	7505.1	8381.0	7862.8	6271.4	5379.2	5005.2	4962.9
77.5°	3028.9	3098.3	3495.1	4497.9	6085.0	7092.1	7016.2	5162.4	4122.8	3723.8	3749.8
80°	1587.1	1630.5	2101.0	3053.9	4452.3	5439.9	5340.2	3651.2	2663.6	2222.4	2138.9
82.5°	661.3	689.5	960.5	1650.0	2721.0	3385.6	3340.1	2225.6	1485.2	1034.2	1032.0
85°	280.8	281.9	407.6	706.8	1373.5	1608.8	1291.1	956.2	520.4	326.3	291.6
87.5°	119.2	123.6	165.9	324.1	434.7	351.2	207.1	127.9	85.6	52.0	40.1
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)