

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: P509922

Luminaire Tested: **VERD-M-CA3-170-722-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509922
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-CA3-170-722-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 2200K, 1060mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20504 lumens
Efficiency: N/A
Efficacy: 118.7 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

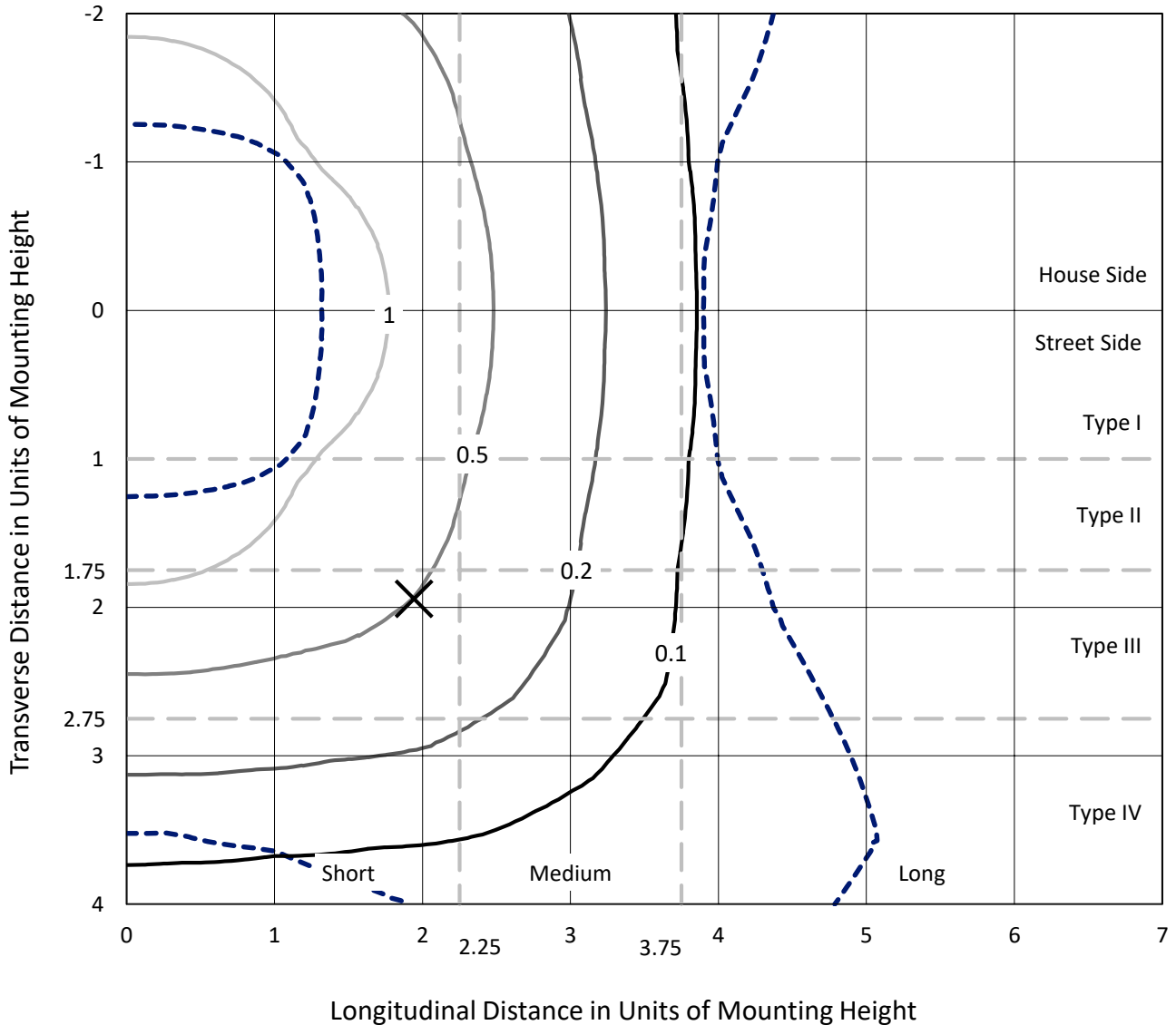
Input Watts (W): 172.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

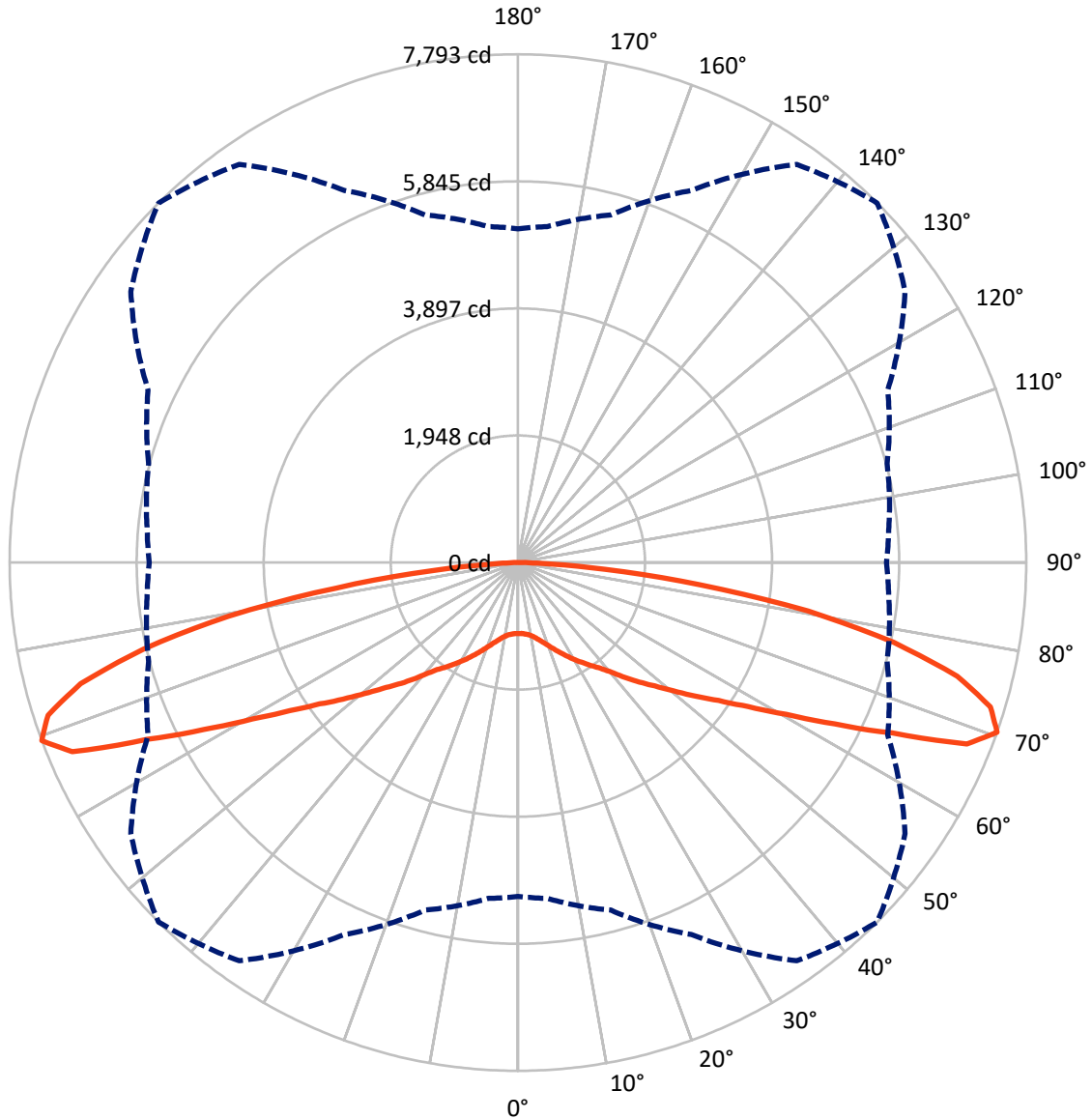
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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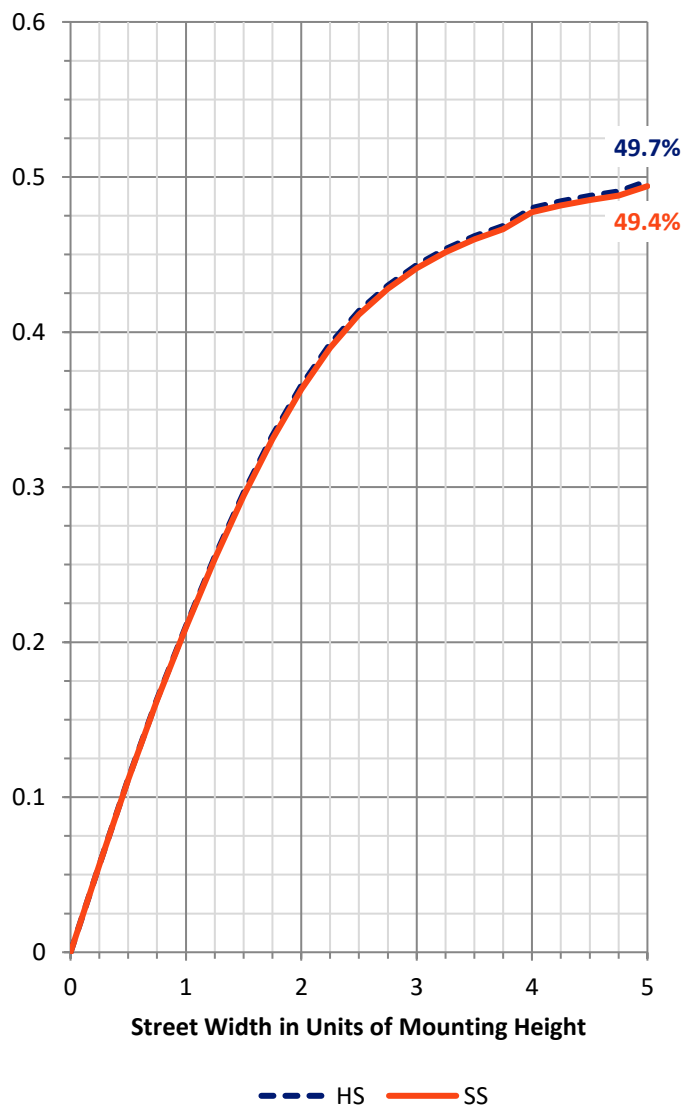
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10252.0	0.0	10252.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10252.0	0.0	10252.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20504.0	0.0	20504.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	0.5
10°-20°	353.0	1.7
20°-30°	706.0	3.4
30°-40°	1228.4	6.0
40°-50°	2137.2	10.4
50°-60°	3721.1	18.1
60°-70°	6026.7	29.4
70°-80°	5170.2	25.2
80°-90°	1054.6	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°	20504.0	100.0
0°-180°	20504.0	100.0

Coefficient of Utilization



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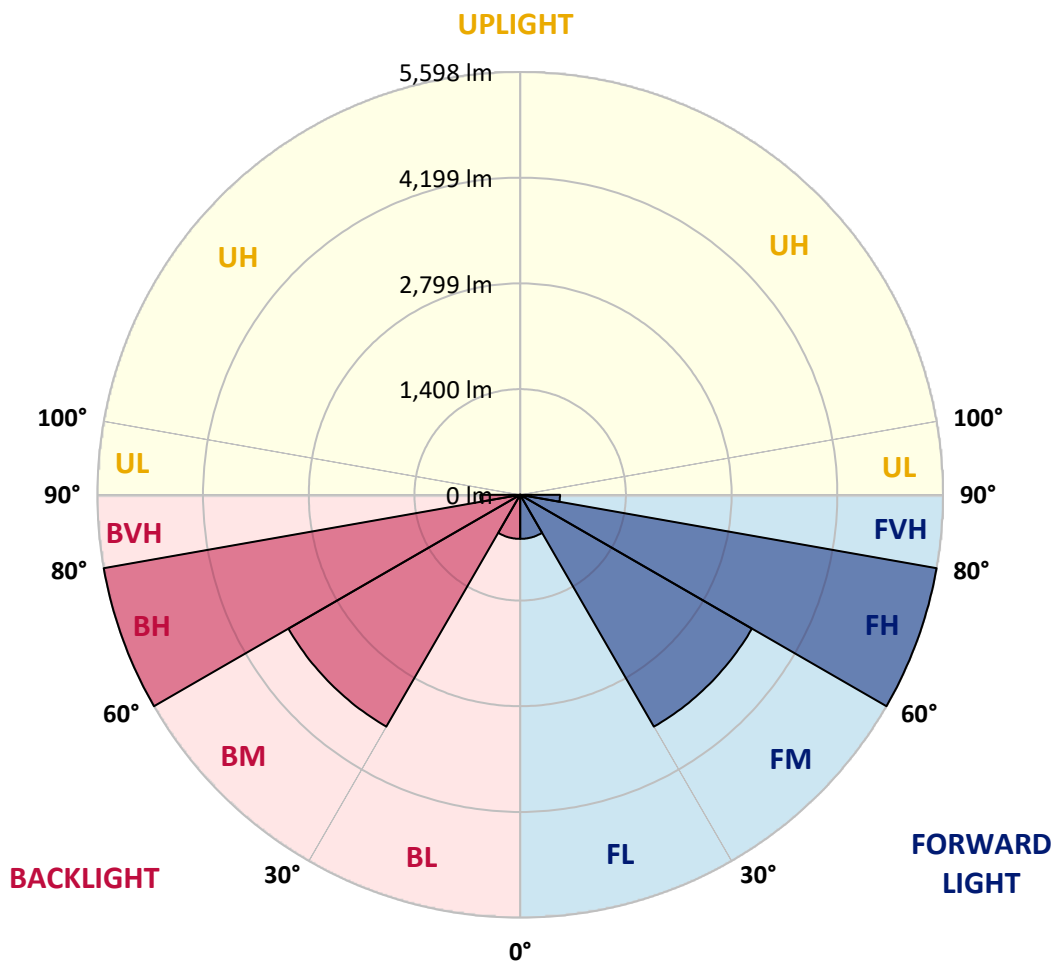
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	582.8	2.8			
FM (30°-60°)	3543.4	17.3			
FH (60°-80°)	5598.5	27.3			G3/7500
FVH (80°-90°)	527.3	2.6			G4/750
BL (0°-30°)	582.8	2.8	B2/1000		
BM (30°-60°)	3543.4	17.3	B3/5000		
BH (60°-80°)	5598.5	27.3	B5		G3/7500
BVH (80°-90°)	527.3	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°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1087.0	1093.3	1092.4	1090.6	1087.9	1087.9	1089.7	1096.0	1096.9	1096.9	1096.9
5°	1099.6	1105.9	1105.0	1103.2	1100.5	1099.6	1101.4	1107.7	1108.6	1108.6	1109.5
7.5°	1114.0	1121.2	1121.2	1120.3	1114.0	1114.0	1115.8	1123.9	1123.9	1125.7	1127.5
10°	1138.3	1146.4	1149.1	1145.5	1141.9	1140.1	1141.9	1150.0	1149.1	1147.3	1148.2
12.5°	1171.6	1179.7	1186.0	1185.1	1181.5	1179.7	1181.5	1186.0	1180.6	1173.4	1173.4
15°	1212.9	1223.7	1230.9	1230.9	1235.4	1232.7	1230.0	1230.9	1222.8	1216.5	1216.5
17.5°	1266.0	1275.0	1281.3	1286.7	1293.9	1293.9	1287.6	1285.8	1275.0	1269.6	1270.5
20°	1330.8	1338.0	1347.0	1351.5	1365.9	1366.8	1356.0	1351.5	1340.7	1333.5	1335.3
22.5°	1401.0	1413.6	1417.2	1430.7	1447.8	1448.7	1434.3	1424.4	1413.6	1408.2	1409.1
25°	1485.6	1498.2	1495.5	1507.2	1533.3	1536.0	1519.8	1505.4	1496.4	1491.0	1492.8
27.5°	1578.3	1590.9	1590.0	1590.0	1620.6	1632.3	1609.8	1594.5	1596.3	1586.4	1590.0
30°	1677.2	1688.0	1694.3	1683.5	1713.2	1732.1	1696.1	1697.9	1697.0	1690.7	1689.8
32.5°	1793.3	1803.2	1802.3	1795.1	1804.1	1831.1	1802.3	1811.3	1814.0	1814.9	1822.1
35°	1925.6	1937.3	1924.7	1914.8	1915.7	1941.8	1920.2	1934.6	1949.0	1954.4	1954.4
37.5°	2066.9	2073.2	2059.7	2044.4	2040.8	2055.2	2051.6	2075.0	2099.3	2112.8	2120.0
40°	2249.5	2254.9	2228.8	2199.1	2193.7	2209.9	2214.4	2265.7	2302.6	2327.8	2332.3
42.5°	2503.3	2502.4	2465.5	2410.6	2384.5	2409.7	2442.1	2501.5	2563.6	2569.0	2587.9
45°	2829.9	2817.3	2769.6	2687.7	2622.0	2613.0	2651.7	2739.9	2809.2	2838.9	2850.6
47.5°	3202.4	3188.0	3101.6	2974.8	2862.3	2827.2	2859.6	2970.3	3073.8	3116.9	3140.3
50°	3618.1	3601.0	3513.8	3341.9	3154.7	3090.8	3110.6	3248.3	3368.9	3423.8	3465.2
52.5°	4065.3	4062.6	3951.1	3753.1	3503.0	3399.5	3393.2	3558.8	3720.7	3793.6	3816.1
55°	4544.9	4531.4	4431.6	4216.5	3926.8	3733.3	3734.2	3917.8	4115.7	4211.1	4221.9
57.5°	5015.5	5010.1	4899.5	4715.9	4419.9	4165.2	4140.0	4383.9	4583.6	4661.9	4665.5
60°	5460.1	5477.1	5419.6	5251.3	5012.8	4724.9	4688.0	4894.1	5064.1	5131.6	5155.9
62.5°	5954.9	5960.3	5953.1	5829.0	5647.2	5452.9	5362.0	5467.2	5635.5	5691.3	5679.6
65°	6308.6	6343.7	6425.5	6489.4	6450.7	6302.3	6182.6	6188.0	6221.3	6185.3	6182.6
67.5°	5857.8	5934.3	6213.2	6662.2	7191.3	7422.5	6936.6	6394.1	6192.5	6062.0	6061.1
70°	5118.1	5169.4	5517.6	6294.2	7453.1	7793.3	7245.3	6255.5	5860.5	5705.7	5650.8
72.5°	4354.2	4394.7	4778.0	5570.7	7037.4	7574.6	7048.2	5848.8	5328.7	4987.6	4993.9
75°	3626.2	3619.9	3909.7	4724.0	6229.4	6956.4	6526.3	5205.4	4464.9	4154.4	4119.3
77.5°	2514.1	2571.7	2901.0	3733.3	5050.6	5886.6	5823.6	4284.9	3422.0	3090.8	3112.4
80°	1317.3	1353.3	1743.8	2534.8	3695.5	4515.2	4432.5	3030.6	2210.8	1844.6	1775.3
82.5°	548.9	572.3	797.2	1369.5	2258.5	2810.1	2772.3	1847.3	1232.7	858.4	856.6
85°	233.1	234.0	338.3	586.7	1140.1	1335.3	1071.7	793.6	431.9	270.8	242.0
87.5°	99.0	102.6	137.7	269.0	360.8	291.5	171.9	106.2	71.1	43.2	33.3
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)