

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: P509387

Luminaire Tested: **VERD-CA2-90-722-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-90-722-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1250mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11235 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

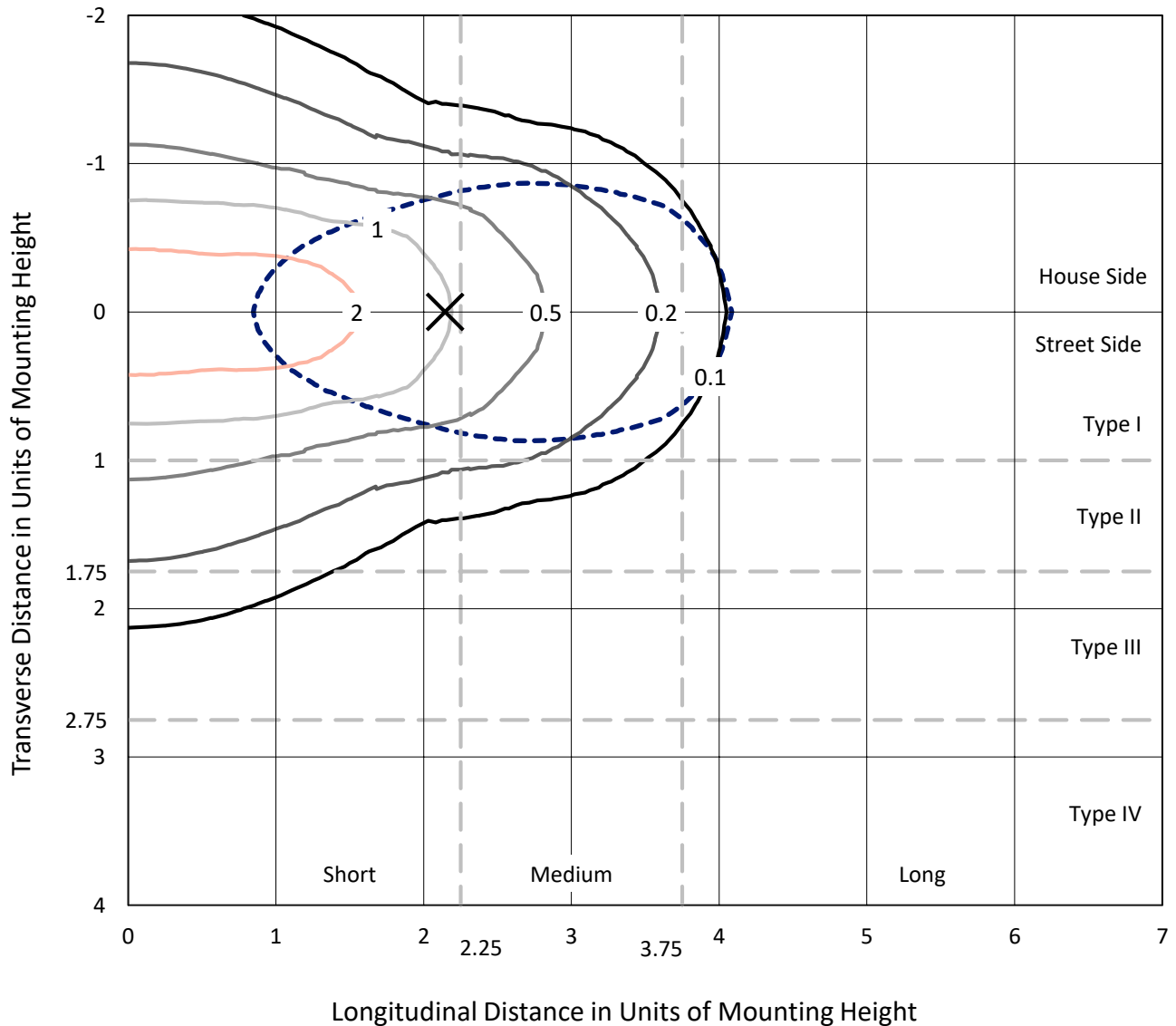
Input Watts (W): 94.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509387
 CATALOG NUMBER: VERD-CA2-90-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

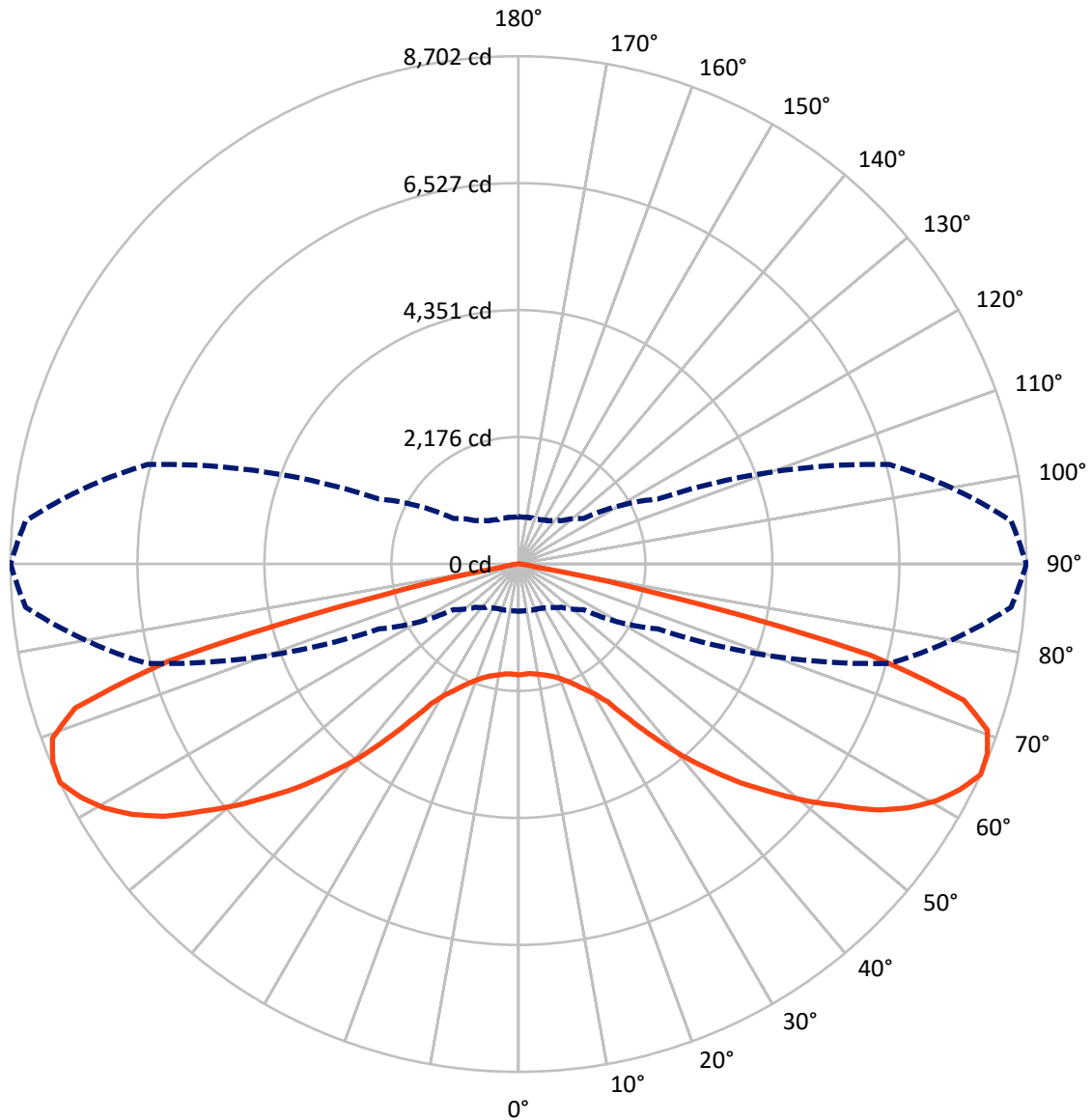
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type I - Short - N/A

REPORT NUMBER: P509387
CATALOG NUMBER: VERD-CA2-90-722-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P509387

CATALOG NUMBER: VERD-CA2-90-722-U-T1

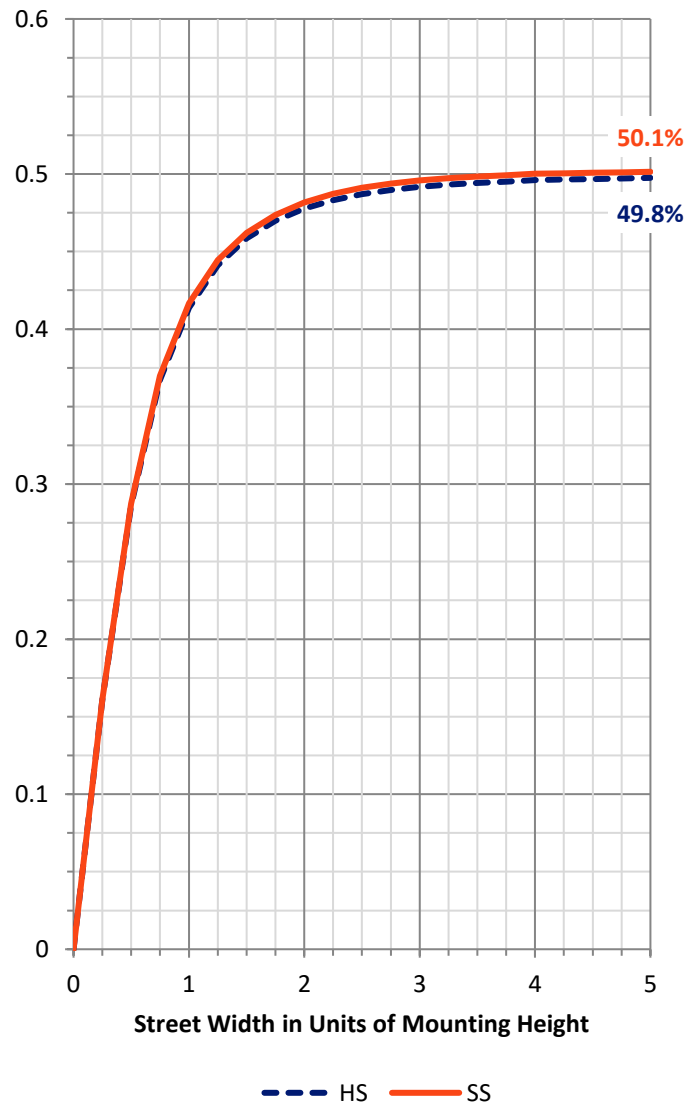
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5617.5	0.0	5617.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5617.5	0.0	5617.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11235.0	0.0	11235.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.3	1.6
10°-20°	537.0	4.8
20°-30°	886.9	7.9
30°-40°	1309.0	11.7
40°-50°	1904.6	17.0
50°-60°	2438.0	21.7
60°-70°	2549.5	22.7
70°-80°	1375.5	12.2
80°-90°	54.1	0.5
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°	11235.0	100.0
0°-180°	11235.0	100.0



REPORT NUMBER: P509387

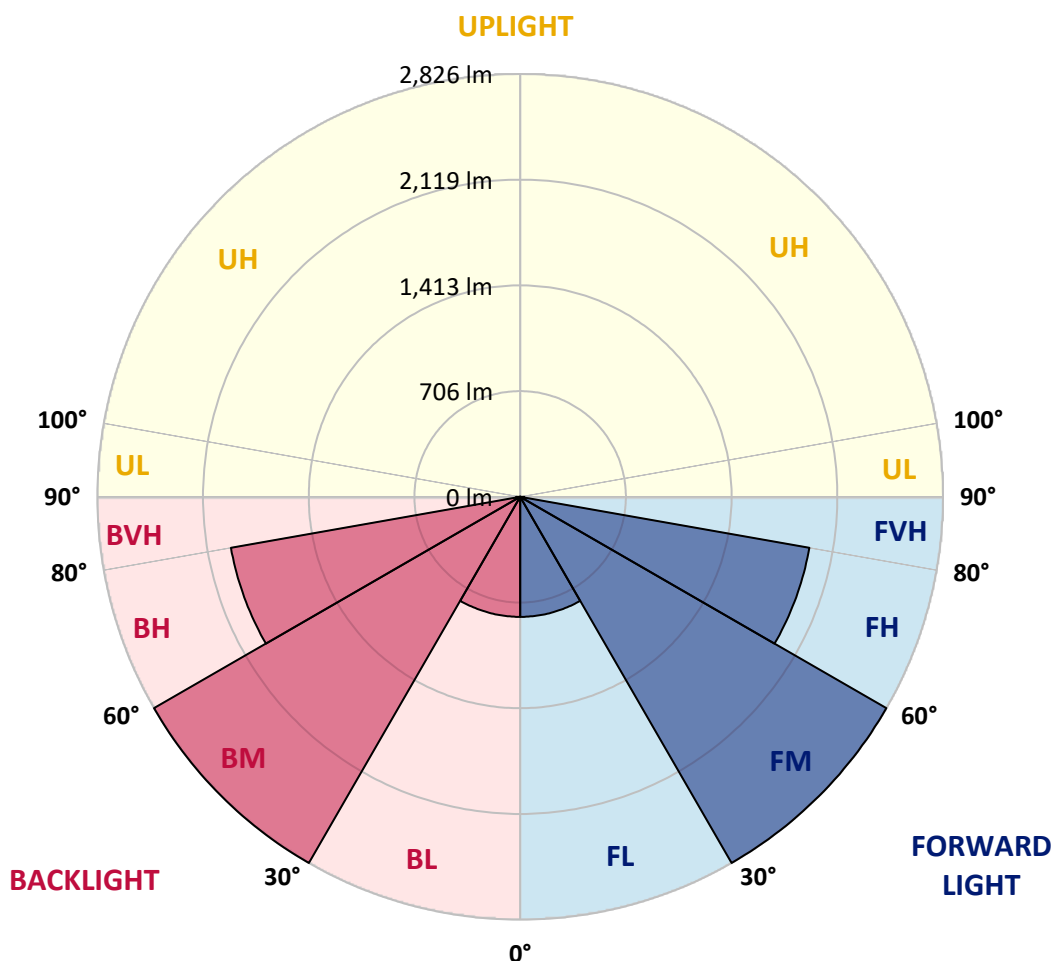
CATALOG NUMBER: VERD-CA2-90-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	802.1	7.1			
FM	(30°-60°)	2825.8	25.2			
FH	(60°-80°)	1962.5	17.5			G2/5000
FVH	(80°-90°)	27.1	0.2			G1/100
BL	(0°-30°)	802.1	7.1	B2/1000		
BM	(30°-60°)	2825.8	25.2	B3/5000		
BH	(60°-80°)	1962.5	17.5	B3/2500		G3/2500
BVH	(80°-90°)	27.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





REPORT NUMBER: P509387
 CATALOG NUMBER: VERD-CA2-90-722-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9
2.5°	1890.6	1897.5	1900.9	1899.7	1892.9	1892.9	1892.9	1892.9	1890.6	1889.4	1890.6
5°	1876.9	1882.6	1889.4	1886.0	1882.6	1886.0	1886.0	1886.0	1887.2	1887.2	1887.2
7.5°	1865.4	1873.4	1876.9	1881.4	1873.4	1882.6	1896.3	1898.6	1899.7	1899.7	1899.7
10°	1855.1	1862.0	1871.1	1870.0	1873.4	1887.2	1902.0	1919.2	1920.3	1923.8	1923.8
12.5°	1829.9	1839.1	1849.4	1856.3	1860.8	1892.9	1907.8	1929.5	1946.7	1949.0	1950.1
15°	1799.0	1804.8	1816.2	1832.2	1856.3	1890.6	1923.8	1951.2	1978.7	1985.6	1985.6
17.5°	1752.1	1759.0	1775.0	1797.9	1841.4	1897.5	1950.1	1986.7	2021.1	2031.4	2033.6
20°	1688.0	1700.6	1722.4	1762.4	1820.8	1902.0	1978.7	2033.6	2078.3	2101.2	2102.3
22.5°	1611.4	1620.5	1659.4	1716.6	1799.0	1902.0	2008.5	2088.6	2150.4	2185.9	2189.3
25°	1527.8	1535.8	1586.2	1666.3	1771.6	1903.2	2038.2	2149.2	2245.4	2292.3	2296.9
27.5°	1452.3	1460.3	1517.5	1614.8	1747.5	1906.6	2070.3	2223.6	2357.5	2420.5	2433.0
30°	1382.5	1385.9	1451.1	1558.7	1721.2	1908.9	2109.2	2304.9	2475.4	2577.2	2584.1
32.5°	1317.2	1326.4	1387.0	1502.6	1690.3	1912.3	2160.7	2420.5	2664.2	2817.6	2823.3
35°	1258.9	1266.9	1327.5	1445.4	1649.1	1921.5	2216.8	2568.1	2937.7	3205.5	3250.2
37.5°	1211.9	1220.0	1273.7	1384.8	1606.8	1919.2	2290.0	2747.8	3271.9	3695.4	3762.9
40°	1174.2	1183.3	1226.8	1327.5	1550.7	1902.0	2366.7	2942.3	3635.8	4211.5	4312.2
42.5°	1142.1	1150.1	1187.9	1277.2	1490.0	1874.6	2435.3	3118.6	3987.2	4736.8	4816.9
45°	1105.5	1114.7	1151.3	1234.8	1434.0	1832.2	2481.1	3291.4	4343.1	5235.7	5350.2
47.5°	1081.5	1087.2	1115.8	1193.6	1371.0	1765.8	2489.1	3413.8	4724.2	5763.3	5842.3
50°	1059.7	1058.6	1083.8	1152.4	1312.7	1681.2	2446.8	3508.8	5087.0	6255.4	6373.3
52.5°	1028.8	1030.0	1050.6	1112.4	1255.4	1582.7	2346.1	3532.8	5460.1	6748.7	6876.9
55°	992.2	995.7	1015.1	1066.6	1197.1	1485.5	2174.4	3489.4	5861.7	7236.2	7442.2
57.5°	956.7	954.5	973.9	1019.7	1134.1	1387.0	1978.7	3378.3	6247.4	7748.9	7878.2
60°	915.5	917.8	931.6	969.3	1067.7	1282.9	1760.1	3186.1	6507.2	8144.9	8235.3
62.5°	868.6	868.6	881.2	909.8	991.1	1169.6	1550.7	2932.0	6653.7	8350.9	8500.8
65°	809.1	805.7	819.4	840.0	901.8	1048.3	1359.6	2633.3	6581.6	8475.6	8702.2
67.5°	745.0	738.2	745.0	754.2	800.0	917.8	1166.2	2363.2	6245.1	8395.5	8667.9
70°	661.5	652.3	655.8	655.8	686.7	765.6	977.3	2134.4	5477.2	8136.9	8523.7
72.5°	541.3	537.9	543.6	539.0	561.9	614.6	810.3	1856.3	4463.3	7516.6	7981.2
75°	329.6	334.2	352.5	384.5	405.1	445.2	592.8	1468.3	3379.5	5670.6	6225.7
77.5°	137.3	153.4	169.4	175.1	198.0	193.4	267.8	666.1	1368.7	2258.0	2444.5
80°	45.8	46.9	104.1	115.6	127.0	104.1	101.9	223.2	391.4	330.7	278.1
82.5°	27.5	29.8	57.2	61.8	53.8	56.1	59.5	75.5	73.2	119.0	135.0
85°	13.7	14.9	25.2	28.6	28.6	34.3	34.3	36.6	41.2	72.1	77.8
87.5°	3.4	3.4	6.9	10.3	11.4	13.7	13.7	16.0	18.3	26.3	30.9
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)