

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: P509051

Luminaire Tested: **VERD-CA2-100-722-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509051
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-CA2-100-722-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1370mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12093 lumens
Efficiency: N/A
Efficacy: 117.0 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): 103.4
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

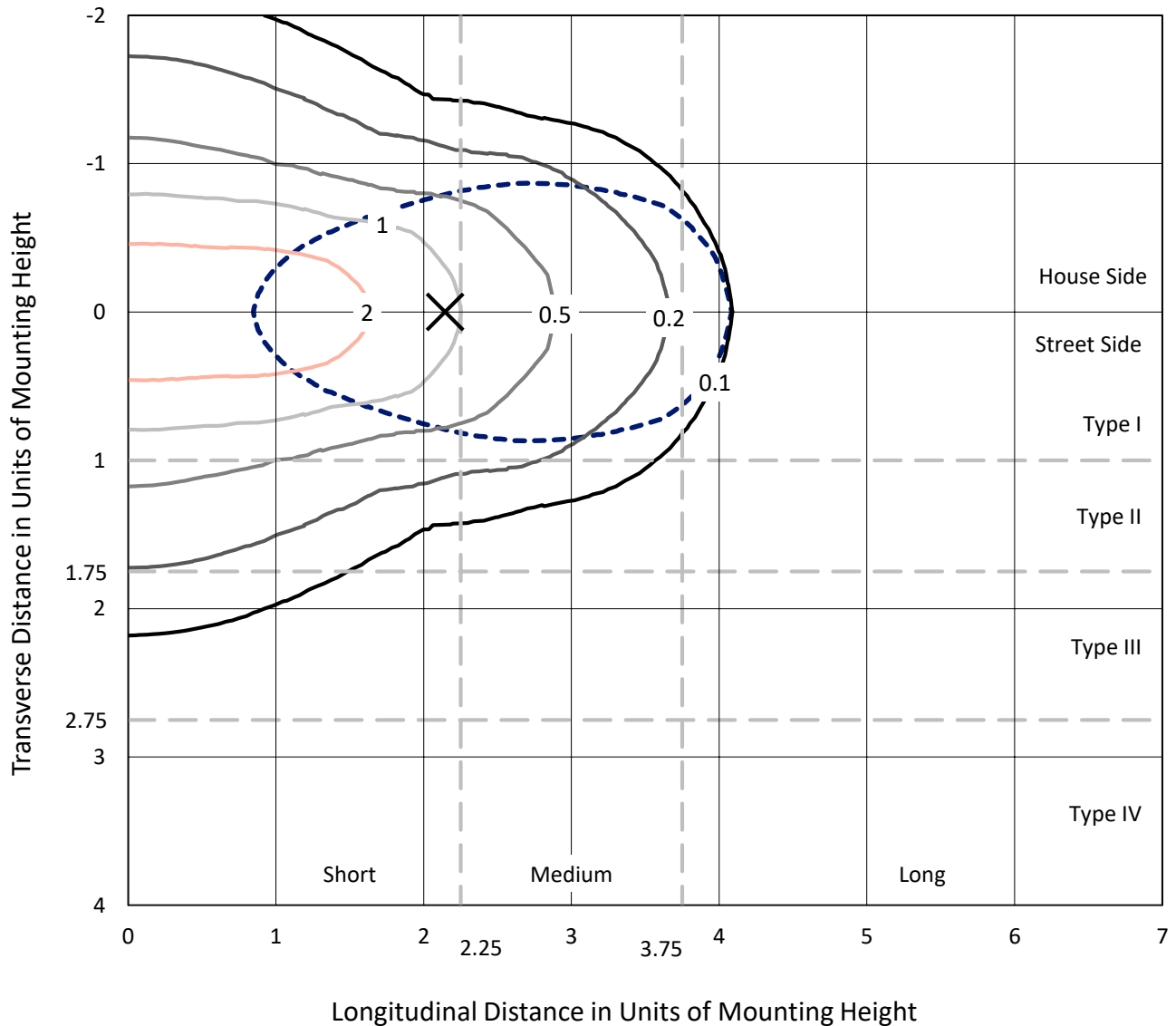


REPORT NUMBER: P509051

CATALOG NUMBER: VERD-CA2-100-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

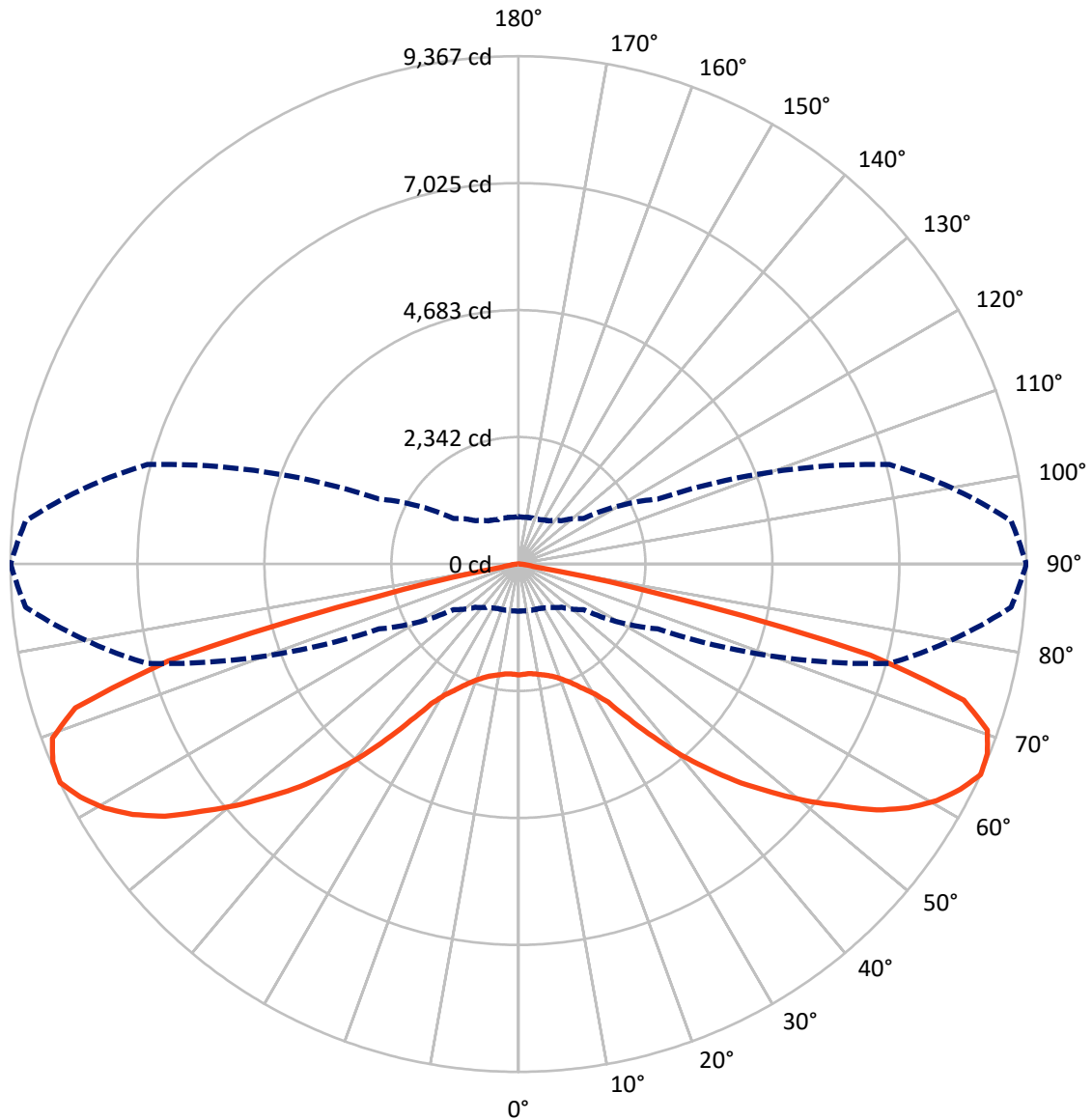
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type I - Short - N/A

REPORT NUMBER: P509051
CATALOG NUMBER: VERD-CA2-100-722-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509051

CATALOG NUMBER: VERD-CA2-100-722-U-T1

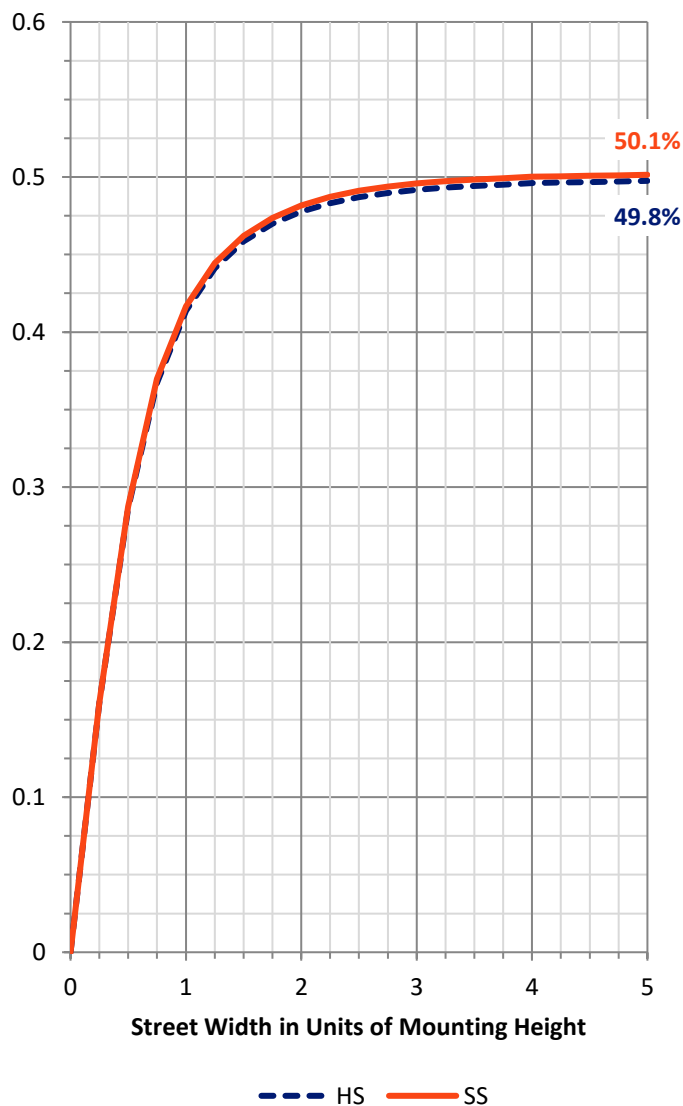
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6046.5	0.0	6046.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6046.5	0.0	6046.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12093.0	0.0	12093.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.1	1.6
10°-20°	578.0	4.8
20°-30°	954.6	7.9
30°-40°	1409.0	11.7
40°-50°	2050.0	17.0
50°-60°	2624.2	21.7
60°-70°	2744.2	22.7
70°-80°	1480.5	12.2
80°-90°	58.3	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°	12093.0	100.0
0°-180°	12093.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509051

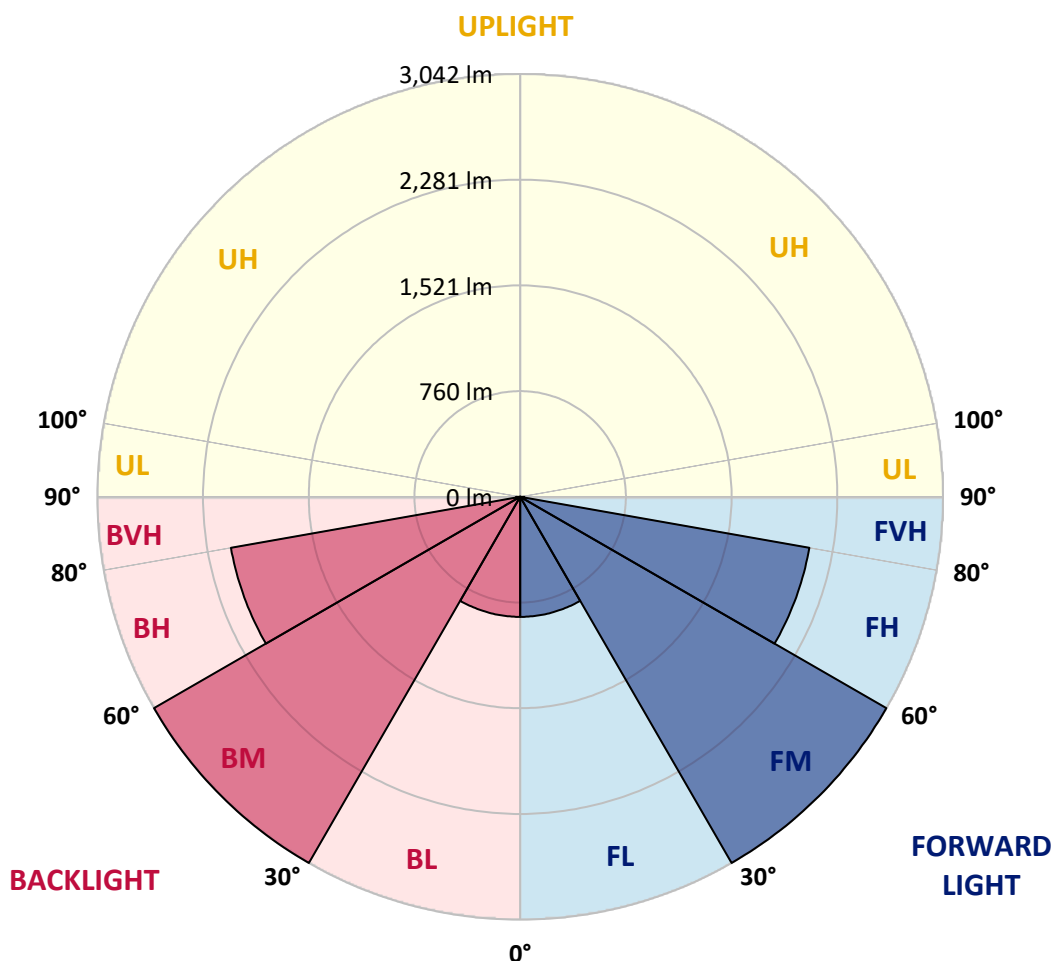
CATALOG NUMBER: VERD-CA2-100-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	863.4	7.1			
FM	(30°-60°)	3041.6	25.2			
FH	(60°-80°)	2112.4	17.5			G2/5000
FVH	(80°-90°)	29.1	0.2			G1/100
BL	(0°-30°)	863.4	7.1	B2/1000		
BM	(30°-60°)	3041.6	25.2	B3/5000		
BH	(60°-80°)	2112.4	17.5	B3/2500		G3/2500
BVH	(80°-90°)	29.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2046.1	2046.1	2046.1	2046.1	2046.1	2046.1	2046.1	2046.1	2046.1	2046.1	2046.1
2.5°	2035.0	2042.4	2046.1	2044.8	2037.4	2037.4	2037.4	2037.4	2035.0	2033.7	2035.0
5°	2020.2	2026.4	2033.7	2030.0	2026.4	2030.0	2030.0	2030.0	2031.3	2031.3	2031.3
7.5°	2007.9	2016.5	2020.2	2025.1	2016.5	2026.4	2041.1	2043.6	2044.8	2044.8	2044.8
10°	1996.8	2004.2	2014.0	2012.8	2016.5	2031.3	2047.3	2065.8	2067.0	2070.7	2070.7
12.5°	1969.7	1979.5	1990.6	1998.0	2002.9	2037.4	2053.5	2076.9	2095.3	2097.8	2099.0
15°	1936.4	1942.6	1954.9	1972.2	1998.0	2035.0	2070.7	2100.3	2129.8	2137.2	2137.2
17.5°	1885.9	1893.3	1910.6	1935.2	1982.0	2042.4	2099.0	2138.4	2175.4	2186.5	2189.0
20°	1816.9	1830.5	1853.9	1897.0	1959.8	2047.3	2129.8	2189.0	2237.0	2261.6	2262.9
22.5°	1734.4	1744.3	1786.1	1847.7	1936.4	2047.3	2161.9	2248.1	2314.6	2352.8	2356.5
25°	1644.5	1653.1	1707.3	1793.5	1906.9	2048.5	2193.9	2313.4	2416.8	2467.3	2472.3
27.5°	1563.2	1571.8	1633.4	1738.1	1881.0	2052.2	2228.4	2393.4	2537.6	2605.3	2618.9
30°	1488.0	1491.7	1562.0	1677.7	1852.7	2054.7	2270.3	2480.9	2664.4	2774.1	2781.5
32.5°	1417.8	1427.7	1493.0	1617.4	1819.4	2058.4	2325.7	2605.3	2867.7	3032.8	3038.9
35°	1355.0	1363.6	1428.9	1555.8	1775.1	2068.2	2386.0	2764.2	3162.1	3450.3	3498.4
37.5°	1304.5	1313.1	1371.0	1490.5	1729.5	2065.8	2464.9	2957.6	3521.8	3977.6	4050.2
40°	1263.9	1273.7	1320.5	1428.9	1669.1	2047.3	2547.4	3167.0	3913.5	4533.1	4641.5
42.5°	1229.4	1238.0	1278.6	1374.7	1603.8	2017.7	2621.3	3356.7	4291.7	5098.5	5184.7
45°	1189.9	1199.8	1239.2	1329.1	1543.5	1972.2	2670.6	3542.7	4674.8	5635.6	5758.8
47.5°	1164.1	1170.2	1201.0	1284.8	1475.7	1900.7	2679.2	3674.5	5085.0	6203.5	6288.5
50°	1140.7	1139.4	1166.5	1240.4	1412.9	1809.5	2633.6	3776.8	5475.5	6733.2	6860.0
52.5°	1107.4	1108.6	1130.8	1197.3	1351.3	1703.6	2525.2	3802.6	5877.0	7264.1	7402.0
55°	1068.0	1071.7	1092.6	1148.1	1288.5	1598.9	2340.5	3755.8	6309.4	7788.8	8010.6
57.5°	1029.8	1027.3	1048.3	1097.6	1220.7	1493.0	2129.8	3636.3	6724.5	8340.7	8479.9
60°	985.5	987.9	1002.7	1043.4	1149.3	1380.9	1894.5	3429.4	7004.2	8766.9	8864.2
62.5°	935.0	935.0	948.5	979.3	1066.8	1258.9	1669.1	3155.9	7161.8	8988.6	9150.0
65°	870.9	867.2	882.0	904.2	970.7	1128.4	1463.4	2834.4	7084.2	9122.9	9366.8
67.5°	801.9	794.5	801.9	811.8	861.0	987.9	1255.2	2543.7	6722.1	9036.7	9329.8
70°	712.0	702.1	705.8	705.8	739.1	824.1	1052.0	2297.4	5895.5	8758.3	9174.6
72.5°	582.7	579.0	585.1	580.2	604.8	661.5	872.1	1998.0	4804.1	8090.6	8590.7
75°	354.8	359.7	379.4	413.9	436.1	479.2	638.1	1580.4	3637.6	6103.7	6701.1
77.5°	147.8	165.1	182.3	188.5	213.1	208.2	288.2	716.9	1473.3	2430.4	2631.2
80°	49.3	50.5	112.1	124.4	136.7	112.1	109.6	240.2	421.3	356.0	299.3
82.5°	29.6	32.0	61.6	66.5	57.9	60.4	64.1	81.3	78.8	128.1	145.4
85°	14.8	16.0	27.1	30.8	30.8	37.0	37.0	39.4	44.3	77.6	83.8
87.5°	3.7	3.7	7.4	11.1	12.3	14.8	14.8	17.2	19.7	28.3	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)