

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: P509099

Luminaire Tested: **VERD-CA2-110-722-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509099
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-CA2-110-722-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1020mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13944 lumens
Efficiency: N/A
Efficacy: 122.7 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

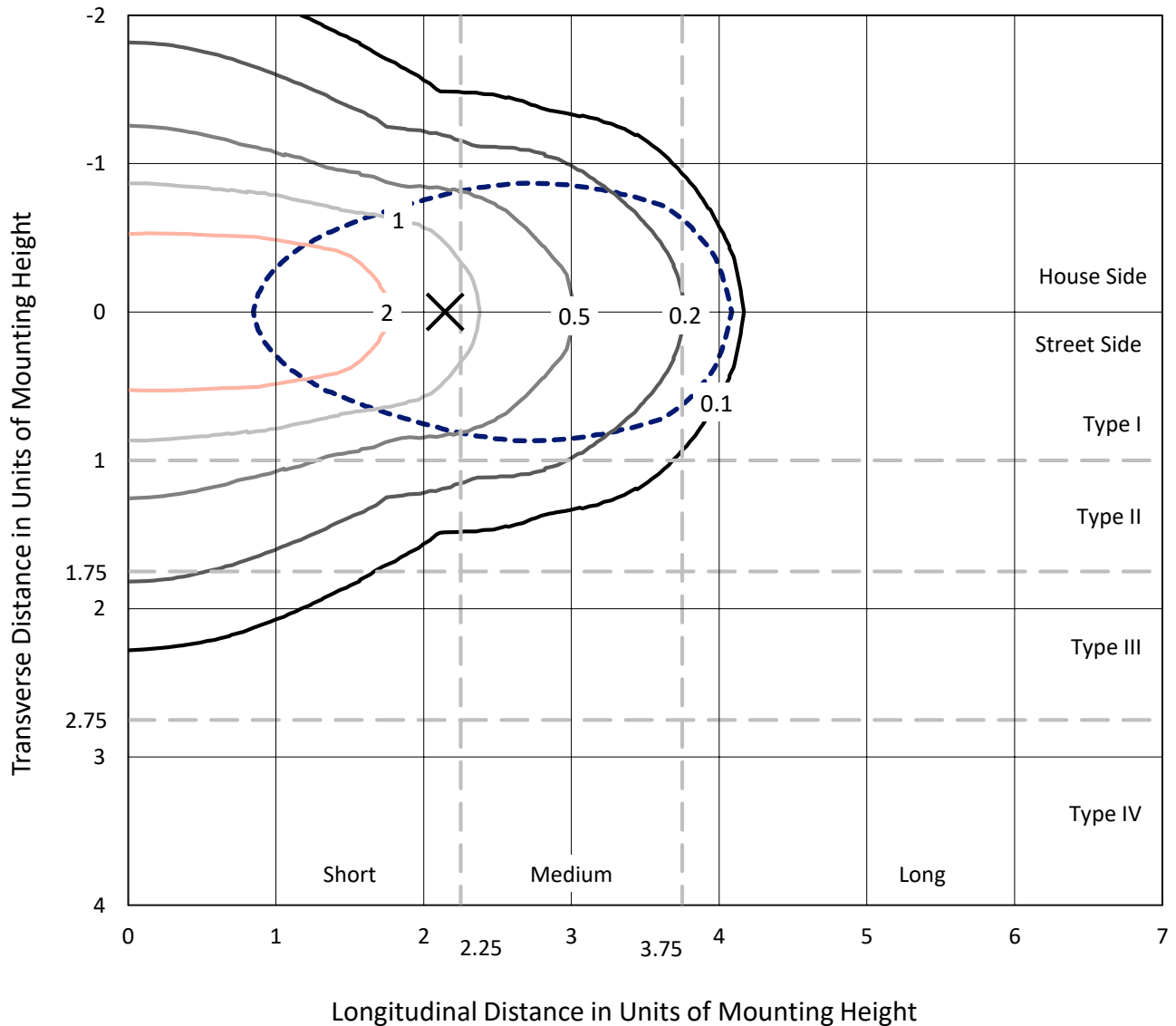
Input Watts (W): 113.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509099
 CATALOG NUMBER: VERD-CA2-110-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

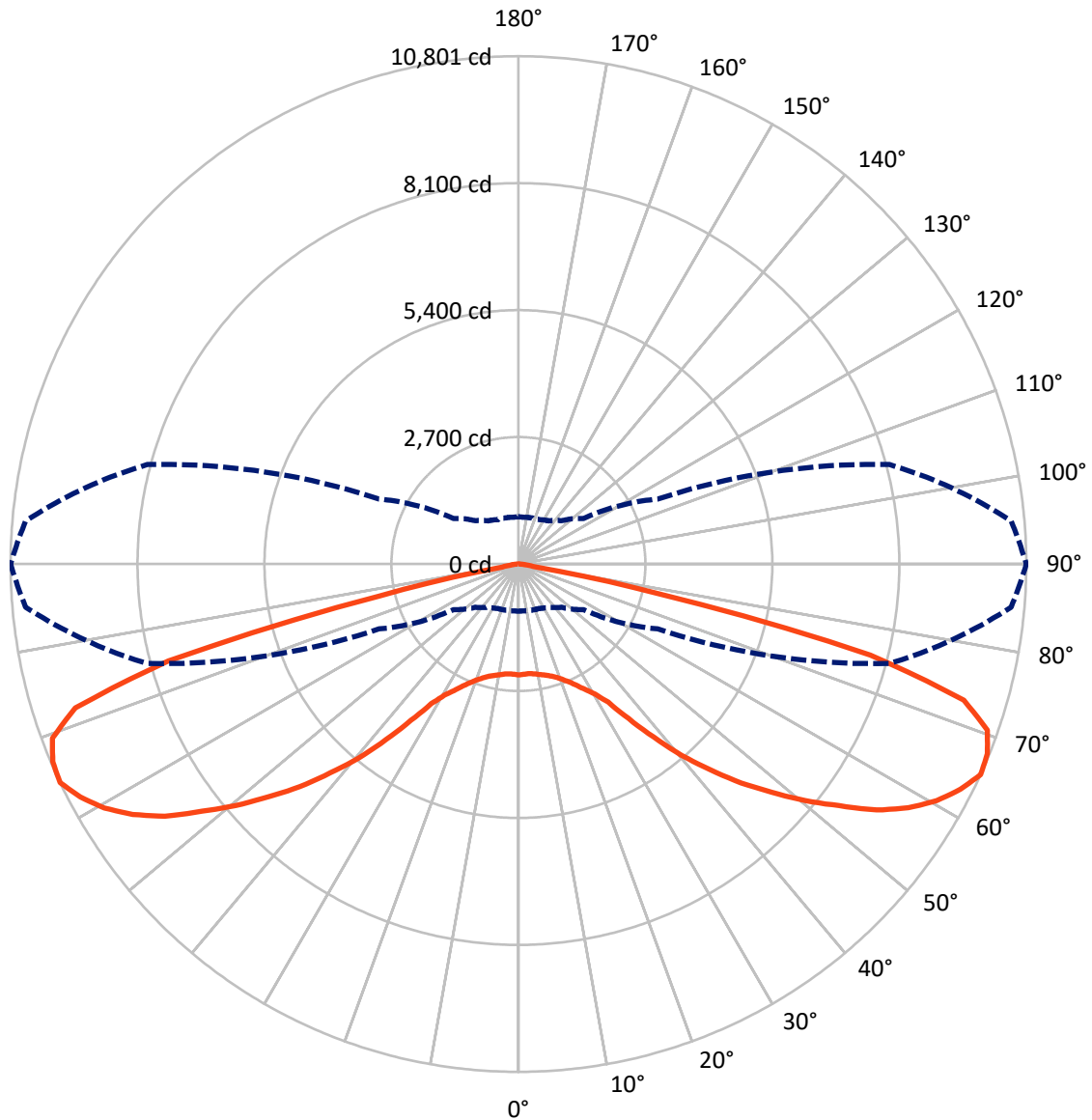
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type I - Short - N/A

REPORT NUMBER: P509099
CATALOG NUMBER: VERD-CA2-110-722-U-T1

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: VERD-CA2-110-722-U-T1

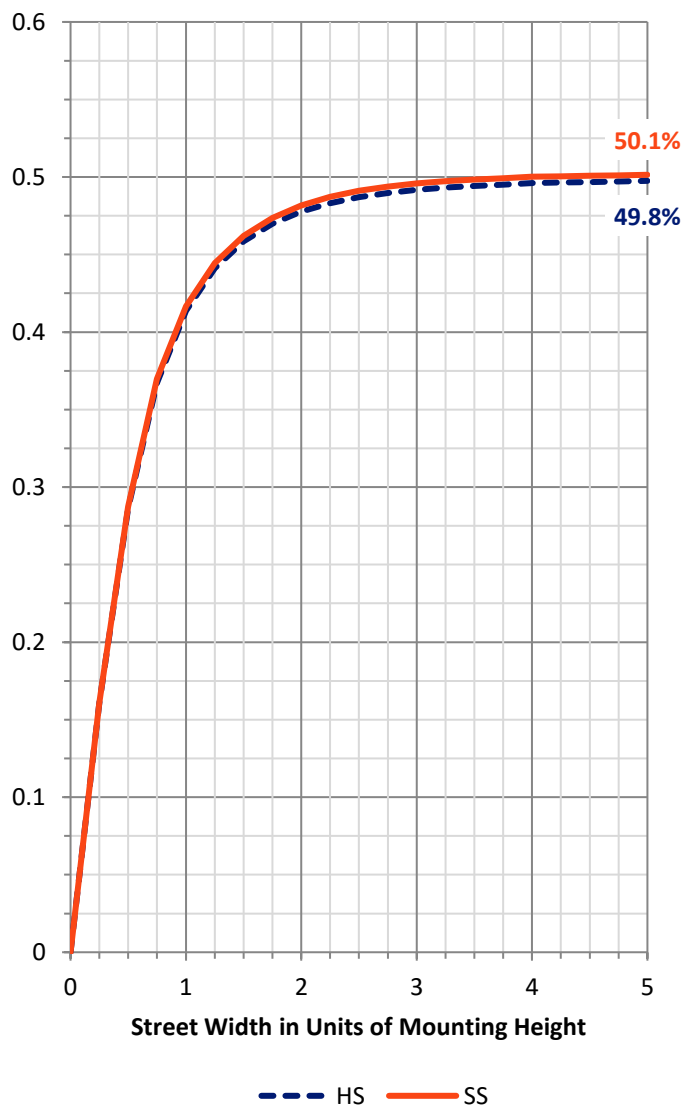
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6972.0	0.0	6972.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6972.0	0.0	6972.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13944.0	0.0	13944.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.8	1.6
10°-20°	666.5	4.8
20°-30°	1100.7	7.9
30°-40°	1624.6	11.7
40°-50°	2363.8	17.0
50°-60°	3025.9	21.7
60°-70°	3164.3	22.7
70°-80°	1707.1	12.2
80°-90°	67.2	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°	13944.0	100.0
0°-180°	13944.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509099

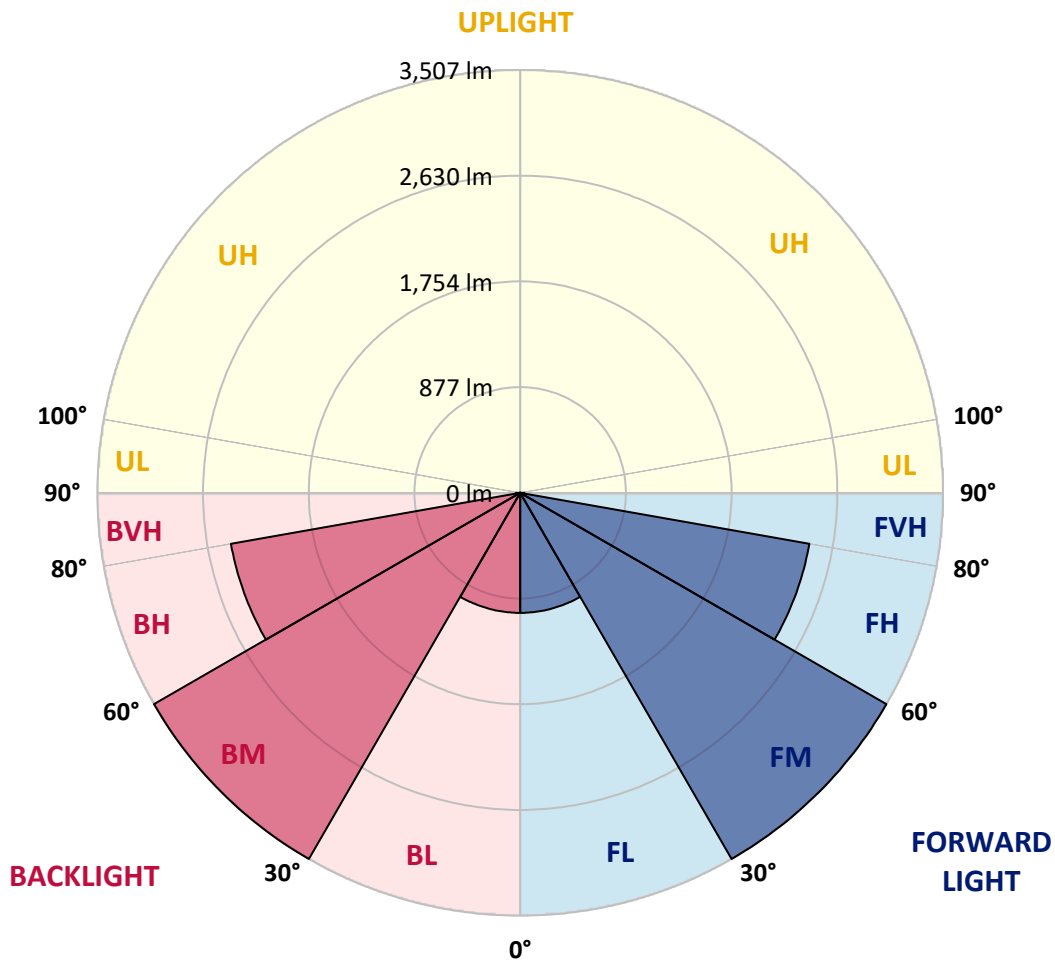
CATALOG NUMBER: VERD-CA2-110-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	995.5	7.1			
FM	(30°-60°)	3507.2	25.2			
FH	(60°-80°)	2435.7	17.5			G2/5000
FVH	(80°-90°)	33.6	0.2			G1/100
BL	(0°-30°)	995.5	7.1	B2/1000		
BM	(30°-60°)	3507.2	25.2	B3/5000		
BH	(60°-80°)	2435.7	17.5	B3/2500		G3/2500
BVH	(80°-90°)	33.6	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: P509099

CATALOG NUMBER: VERD-CA2-110-722-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2359.2	2359.2	2359.2	2359.2	2359.2	2359.2	2359.2	2359.2	2359.2	2359.2	2359.2
2.5°	2346.5	2355.0	2359.2	2357.8	2349.3	2349.3	2349.3	2349.3	2346.5	2345.0	2346.5
5°	2329.4	2336.5	2345.0	2340.8	2336.5	2340.8	2340.8	2340.8	2342.2	2342.2	2342.2
7.5°	2315.2	2325.1	2329.4	2335.1	2325.1	2336.5	2353.6	2356.4	2357.8	2357.8	2357.8
10°	2302.4	2310.9	2322.3	2320.9	2325.1	2342.2	2360.7	2382.0	2383.4	2387.6	2387.6
12.5°	2271.2	2282.5	2295.3	2303.8	2309.5	2349.3	2367.8	2394.7	2416.1	2418.9	2420.3
15°	2232.8	2239.9	2254.1	2274.0	2303.8	2346.5	2387.6	2421.7	2455.8	2464.3	2464.3
17.5°	2174.6	2183.1	2203.0	2231.4	2285.4	2355.0	2420.3	2465.8	2508.4	2521.2	2524.0
20°	2095.0	2110.7	2137.7	2187.4	2259.8	2360.7	2455.8	2524.0	2579.4	2607.8	2609.2
22.5°	1999.9	2011.2	2059.5	2130.6	2232.8	2360.7	2492.8	2592.2	2668.9	2712.9	2717.2
25°	1896.2	1906.1	1968.6	2068.1	2198.7	2362.1	2529.7	2667.5	2786.8	2845.0	2850.7
27.5°	1802.5	1812.4	1883.4	2004.1	2168.9	2366.3	2569.5	2759.8	2926.0	3004.1	3019.7
30°	1715.8	1720.1	1801.0	1934.5	2136.2	2369.2	2617.7	2860.6	3072.3	3198.7	3207.2
32.5°	1634.8	1646.2	1721.5	1864.9	2097.9	2373.4	2681.7	3004.1	3306.6	3497.0	3504.1
35°	1562.4	1572.4	1647.6	1793.9	2046.8	2384.8	2751.3	3187.3	3646.1	3978.5	4033.9
37.5°	1504.2	1514.1	1580.9	1718.6	1994.2	2382.0	2842.2	3410.3	4060.8	4586.4	4670.2
40°	1457.3	1468.7	1522.6	1647.6	1924.6	2360.7	2937.3	3651.8	4512.5	5227.0	5352.0
42.5°	1417.5	1427.5	1474.3	1585.1	1849.3	2326.6	3022.6	3870.5	4948.6	5878.9	5978.3
45°	1372.1	1383.4	1428.9	1532.6	1779.7	2274.0	3079.4	4085.0	5390.3	6498.2	6640.2
47.5°	1342.3	1349.4	1384.9	1481.4	1701.6	2191.6	3089.3	4237.0	5863.3	7153.0	7251.0
50°	1315.3	1313.8	1345.1	1430.3	1629.2	2086.5	3036.8	4354.9	6313.6	7763.8	7910.0
52.5°	1276.9	1278.3	1303.9	1380.6	1558.1	1964.4	2911.8	4384.7	6776.6	8375.9	8535.0
55°	1231.5	1235.7	1259.9	1323.8	1485.7	1843.6	2698.7	4330.7	7275.1	8981.0	9236.7
57.5°	1187.4	1184.6	1208.7	1265.6	1407.6	1721.5	2455.8	4192.9	7753.8	9617.3	9777.8
60°	1136.3	1139.1	1156.2	1203.1	1325.2	1592.2	2184.5	3954.3	8076.2	10108.8	10221.0
62.5°	1078.1	1078.1	1093.7	1129.2	1230.0	1451.6	1924.6	3639.0	8258.0	10364.5	10550.5
65°	1004.2	999.9	1017.0	1042.6	1119.3	1301.1	1687.4	3268.3	8168.6	10519.3	10800.5
67.5°	924.7	916.1	924.7	936.0	992.8	1139.1	1447.4	2933.1	7751.0	10419.8	10757.9
70°	821.0	809.6	813.9	813.9	852.2	950.2	1213.0	2649.0	6797.9	10098.8	10578.9
72.5°	671.8	667.6	674.7	669.0	697.4	762.7	1005.6	2303.8	5539.4	9329.0	9905.7
75°	409.1	414.7	437.5	477.2	502.8	552.5	735.8	1822.3	4194.4	7037.9	7726.8
77.5°	170.4	190.3	210.2	217.3	245.7	240.0	332.4	826.7	1698.8	2802.4	3033.9
80°	56.8	58.2	129.3	143.5	157.7	129.3	126.4	277.0	485.8	410.5	345.2
82.5°	34.1	36.9	71.0	76.7	66.8	69.6	73.9	93.7	90.9	147.7	167.6
85°	17.0	18.5	31.2	35.5	35.5	42.6	42.6	45.5	51.1	89.5	96.6
87.5°	4.3	4.3	8.5	12.8	14.2	17.0	17.0	19.9	22.7	32.7	38.4
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)