

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: P509195

Luminaire Tested: **VERD-CA2-130-722-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509195
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-CA2-130-722-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1180mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15827 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

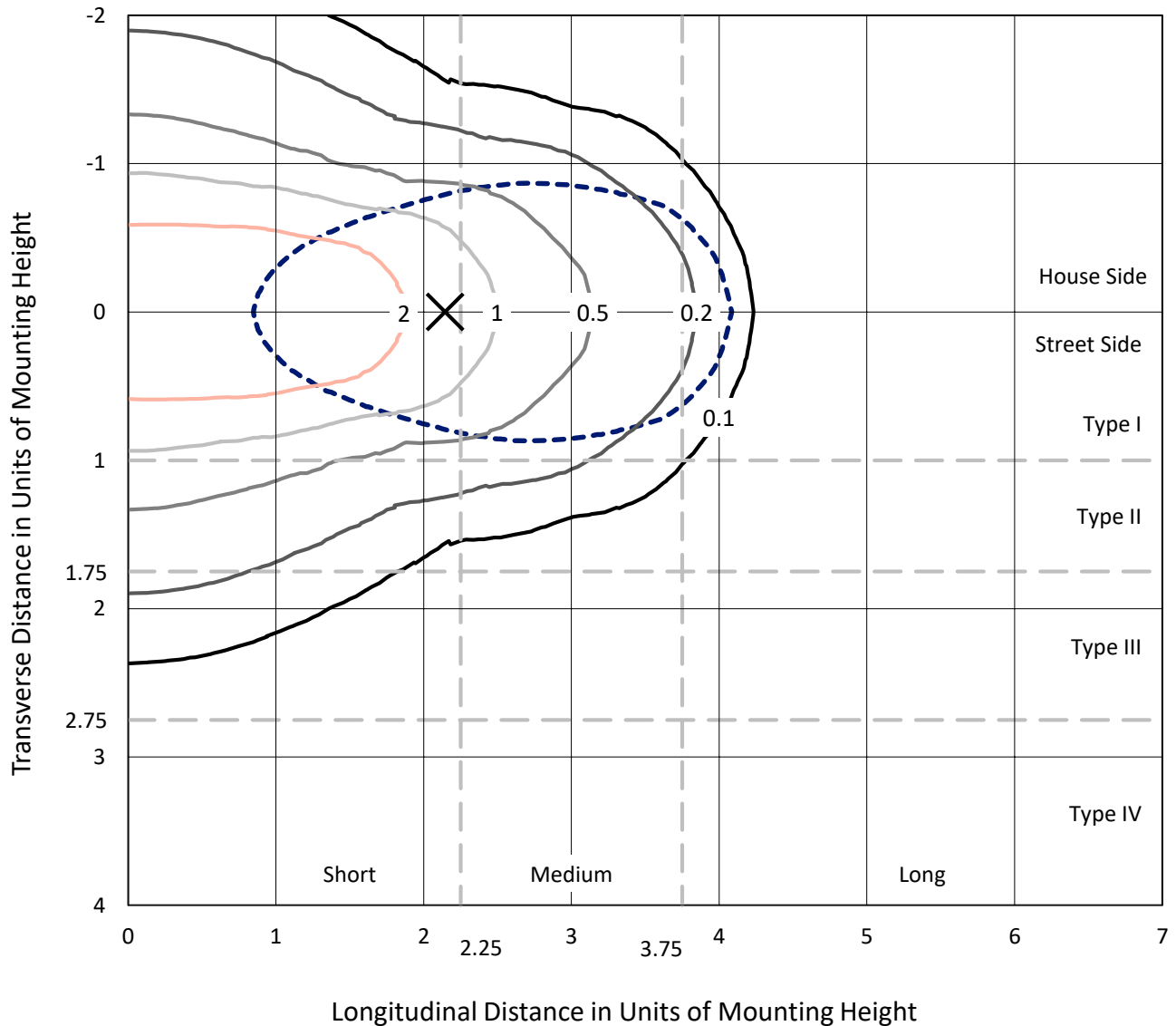
Input Watts (W): 131.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509195
 CATALOG NUMBER: VERD-CA2-130-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

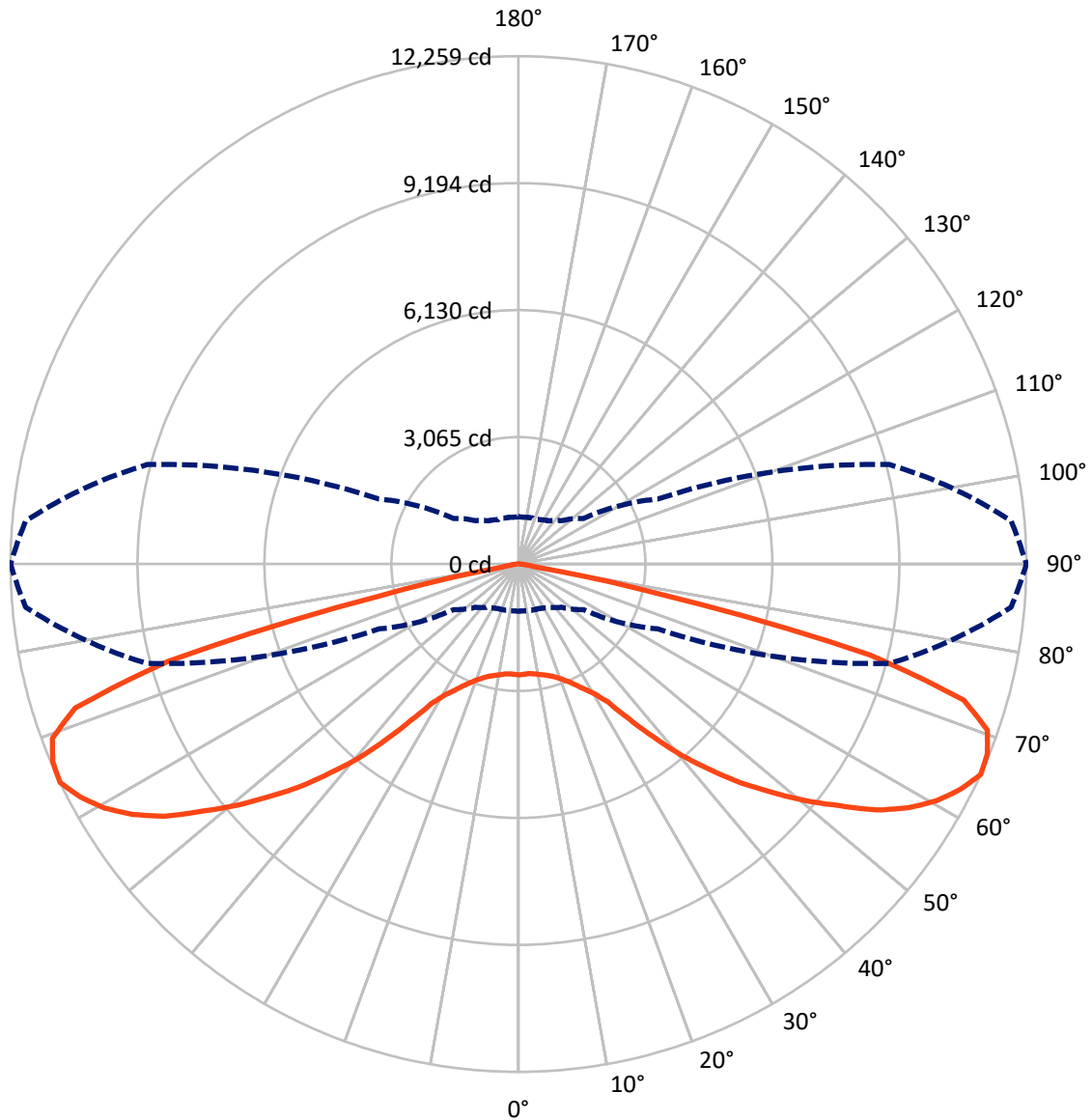
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type I - Short - N/A

REPORT NUMBER: P509195
CATALOG NUMBER: VERD-CA2-130-722-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509195

CATALOG NUMBER: VERD-CA2-130-722-U-T1

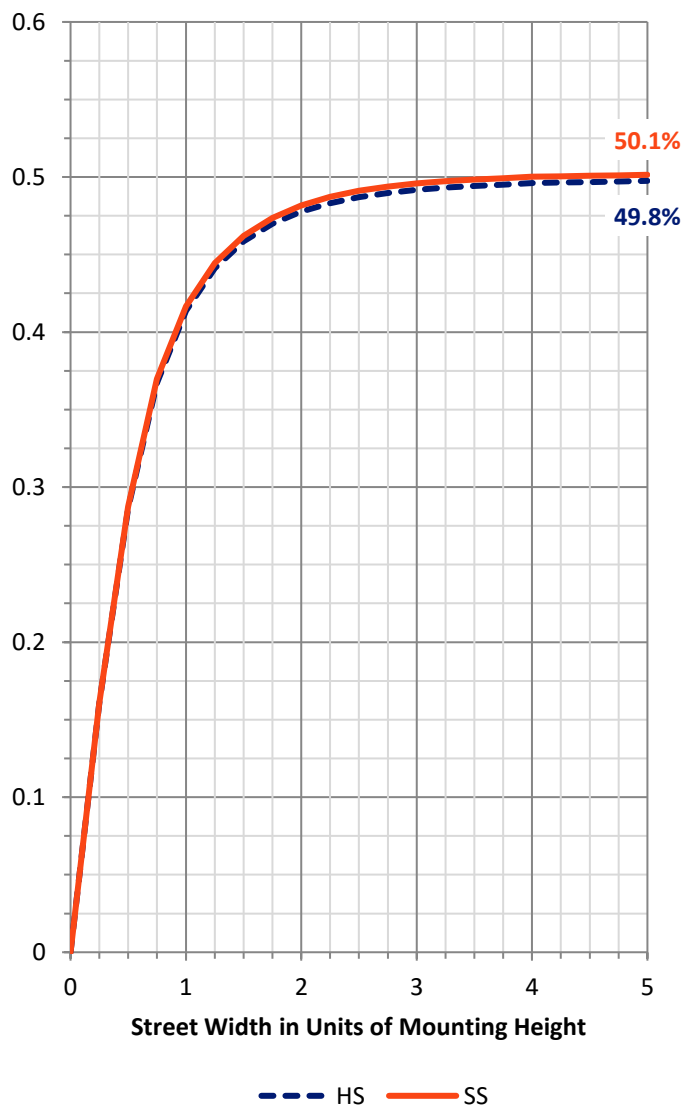
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7913.5	0.0	7913.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7913.5	0.0	7913.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15827.0	0.0	15827.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.0	1.6
10°-20°	756.5	4.8
20°-30°	1249.3	7.9
30°-40°	1844.0	11.7
40°-50°	2683.0	17.0
50°-60°	3434.5	21.7
60°-70°	3591.6	22.7
70°-80°	1937.7	12.2
80°-90°	76.3	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°	15827.0	100.0
0°-180°	15827.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509195

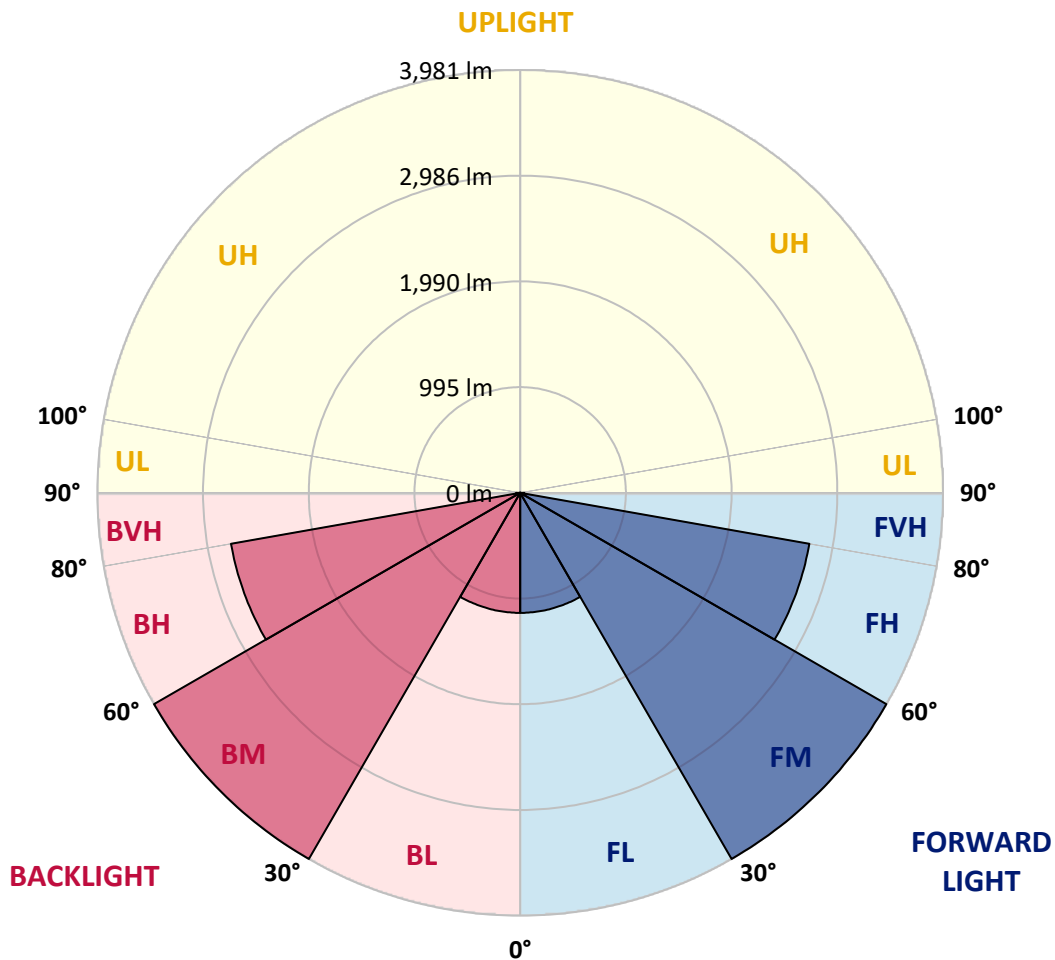
CATALOG NUMBER: VERD-CA2-130-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1129.9	7.1			
FM	(30°-60°)	3980.8	25.2			
FH	(60°-80°)	2764.6	17.5			G2/5000
FVH	(80°-90°)	38.1	0.2			G1/100
BL	(0°-30°)	1129.9	7.1	B3/2500		
BM	(30°-60°)	3980.8	25.2	B3/5000		
BH	(60°-80°)	2764.6	17.5	B4/5000		G4/5000
BVH	(80°-90°)	38.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2677.8	2677.8	2677.8	2677.8	2677.8	2677.8	2677.8	2677.8	2677.8	2677.8	2677.8
2.5°	2663.3	2673.0	2677.8	2676.2	2666.5	2666.5	2666.5	2666.5	2663.3	2661.7	2663.3
5°	2644.0	2652.0	2661.7	2656.9	2652.0	2656.9	2656.9	2656.9	2658.5	2658.5	2658.5
7.5°	2627.9	2639.1	2644.0	2650.4	2639.1	2652.0	2671.4	2674.6	2676.2	2676.2	2676.2
10°	2613.3	2623.0	2635.9	2634.3	2639.1	2658.5	2679.4	2703.6	2705.2	2710.1	2710.1
12.5°	2577.9	2590.8	2605.3	2615.0	2621.4	2666.5	2687.5	2718.1	2742.3	2745.5	2747.2
15°	2534.3	2542.4	2558.5	2581.1	2615.0	2663.3	2710.1	2748.8	2787.5	2797.1	2797.1
17.5°	2468.2	2477.9	2500.5	2532.7	2594.0	2673.0	2747.2	2798.7	2847.1	2861.6	2864.8
20°	2378.0	2395.7	2426.3	2482.8	2565.0	2679.4	2787.5	2864.8	2927.7	2960.0	2961.6
22.5°	2269.9	2282.8	2337.7	2418.3	2534.3	2679.4	2829.4	2942.2	3029.3	3079.3	3084.1
25°	2152.3	2163.5	2234.5	2347.3	2495.7	2681.1	2871.3	3027.7	3163.1	3229.2	3235.6
27.5°	2045.9	2057.1	2137.7	2274.8	2461.8	2685.9	2916.4	3132.5	3321.1	3409.8	3427.5
30°	1947.5	1952.3	2044.2	2195.8	2424.7	2689.1	2971.2	3246.9	3487.1	3630.6	3640.3
32.5°	1855.6	1868.5	1954.0	2116.8	2381.2	2694.0	3043.8	3409.8	3753.2	3969.2	3977.2
35°	1773.4	1784.7	1870.1	2036.2	2323.1	2706.8	3122.8	3617.7	4138.5	4515.7	4578.6
37.5°	1707.3	1718.6	1794.4	1950.7	2263.5	2703.6	3226.0	3870.8	4609.2	5205.7	5300.8
40°	1654.1	1667.0	1728.3	1870.1	2184.5	2679.4	3334.0	4144.9	5121.9	5932.8	6074.7
42.5°	1609.0	1620.2	1673.4	1799.2	2099.1	2640.7	3430.7	4393.2	5616.8	6672.8	6785.7
45°	1557.4	1570.3	1621.9	1739.5	2020.1	2581.1	3495.2	4636.6	6118.2	7375.7	7536.9
47.5°	1523.5	1531.6	1571.9	1681.5	1931.4	2487.6	3506.5	4809.1	6655.1	8118.9	8230.2
50°	1492.9	1491.3	1526.7	1623.5	1849.2	2368.3	3446.8	4942.9	7166.1	8812.2	8978.2
52.5°	1449.3	1451.0	1480.0	1567.0	1768.6	2229.6	3305.0	4976.8	7691.7	9507.0	9687.6
55°	1397.8	1402.6	1430.0	1502.6	1686.3	2092.6	3063.1	4915.5	8257.6	10193.8	10484.0
57.5°	1347.8	1344.6	1372.0	1436.5	1597.7	1954.0	2787.5	4759.2	8800.9	10916.1	11098.2
60°	1289.7	1293.0	1312.3	1365.5	1504.2	1807.3	2479.5	4488.3	9166.8	11473.9	11601.2
62.5°	1223.6	1223.6	1241.4	1281.7	1396.1	1647.6	2184.5	4130.4	9373.2	11764.1	11975.3
65°	1139.8	1135.0	1154.3	1183.3	1270.4	1476.8	1915.3	3709.6	9271.6	11939.8	12259.0
67.5°	1049.5	1039.9	1049.5	1062.4	1126.9	1293.0	1642.8	3329.1	8797.7	11826.9	12210.6
70°	931.8	918.9	923.8	923.8	967.3	1078.5	1376.8	3006.7	7715.9	11462.6	12007.5
72.5°	762.6	757.7	765.8	759.3	791.6	865.7	1141.4	2615.0	6287.5	10588.8	11243.3
75°	464.3	470.8	496.6	541.7	570.7	627.1	835.1	2068.4	4760.8	7988.3	8770.3
77.5°	193.5	216.0	238.6	246.7	278.9	272.5	377.2	938.3	1928.2	3180.8	3443.6
80°	64.5	66.1	146.7	162.8	179.0	146.7	143.5	314.4	551.4	465.9	391.8
82.5°	38.7	41.9	80.6	87.1	75.8	79.0	83.8	106.4	103.2	167.7	190.2
85°	19.3	21.0	35.5	40.3	40.3	48.4	48.4	51.6	58.0	101.6	109.6
87.5°	4.8	4.8	9.7	14.5	16.1	19.3	19.3	22.6	25.8	37.1	43.5
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)