

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: P509091

Luminaire Tested: **VERD-CA2-100-760-U-T1**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509091  
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-CA2-100-760-U-T1  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1370mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14790 lumens  
Efficiency: N/A  
Efficacy: 143.0 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

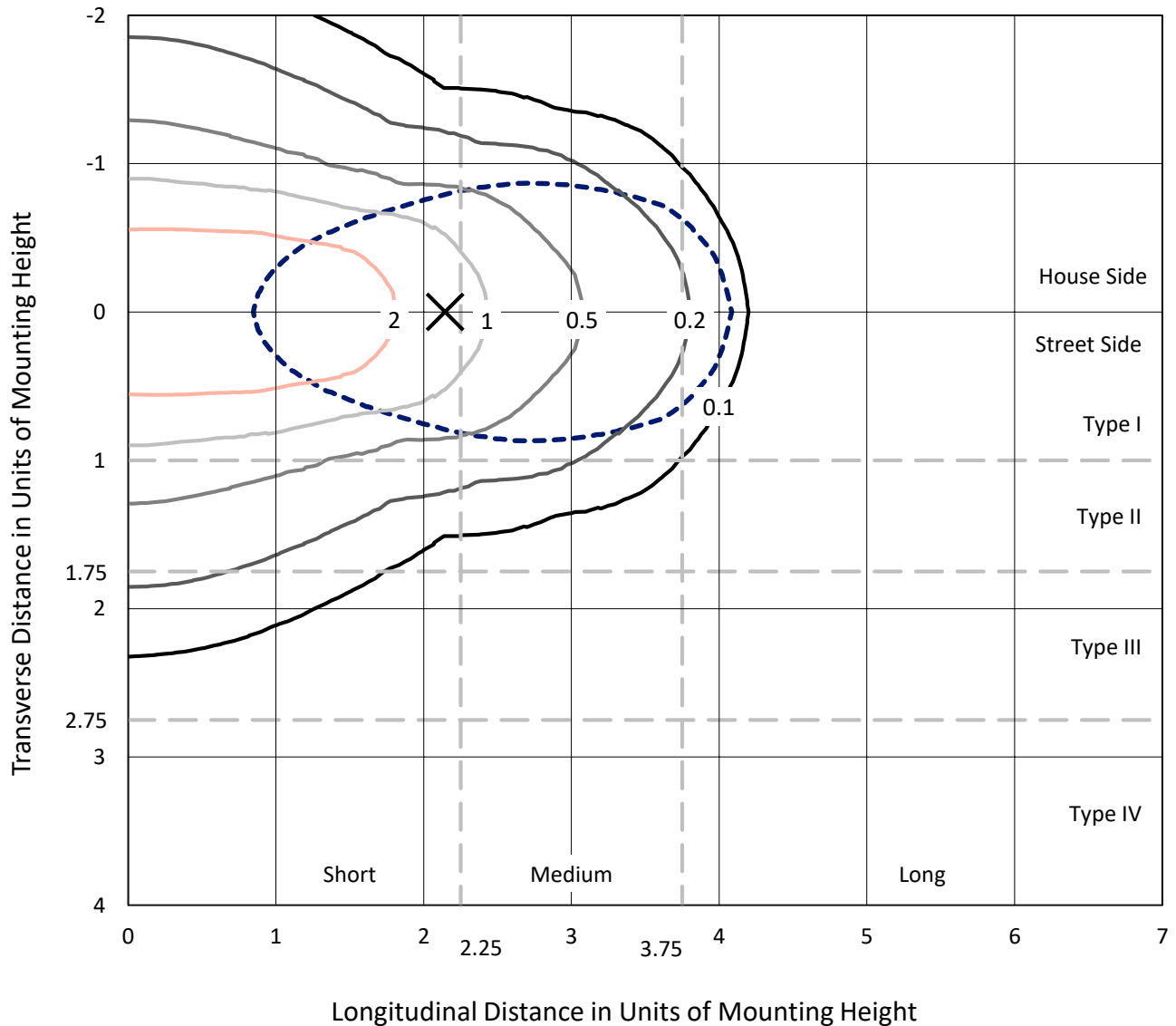
Input Watts (W): 103.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

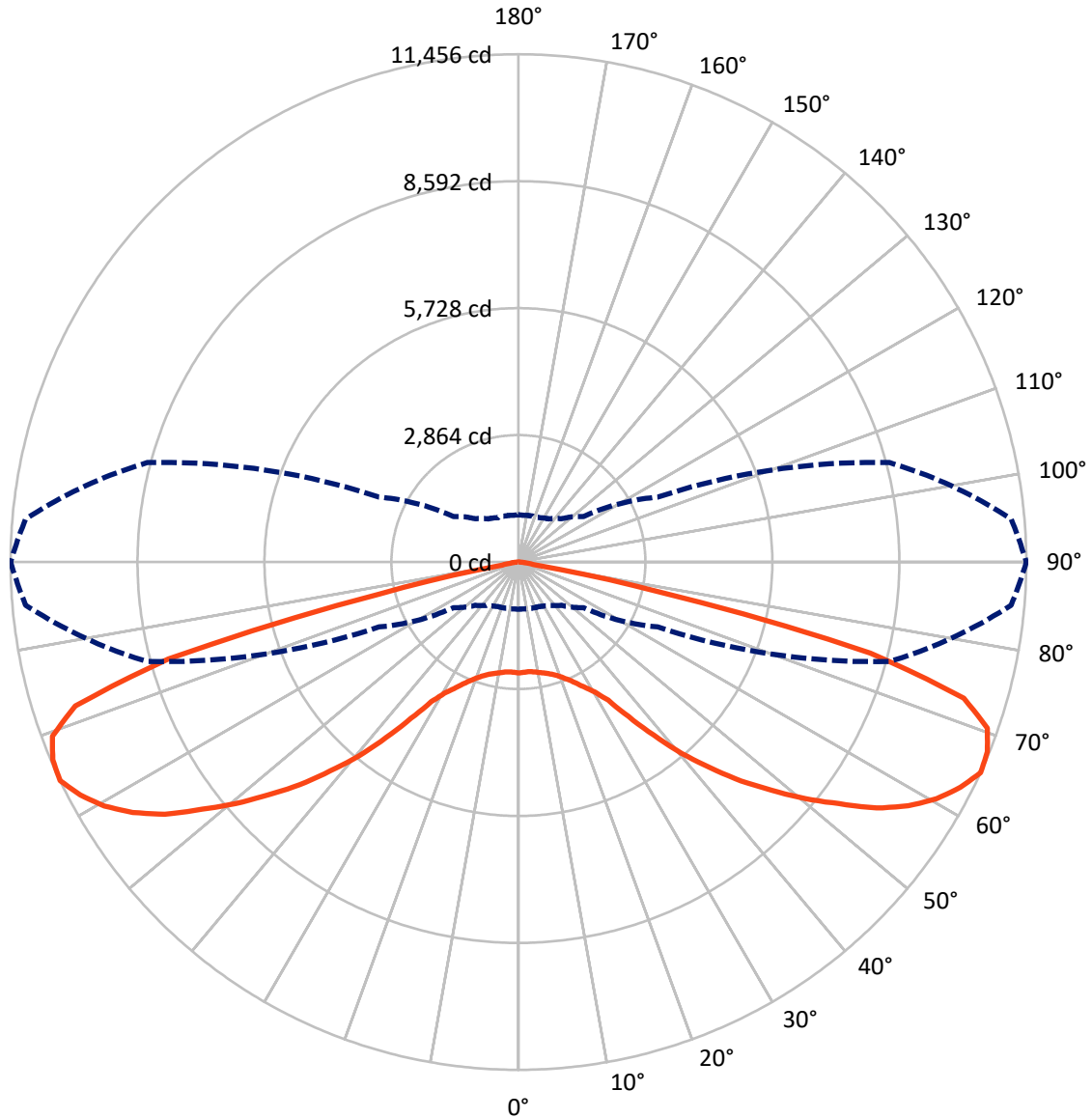
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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

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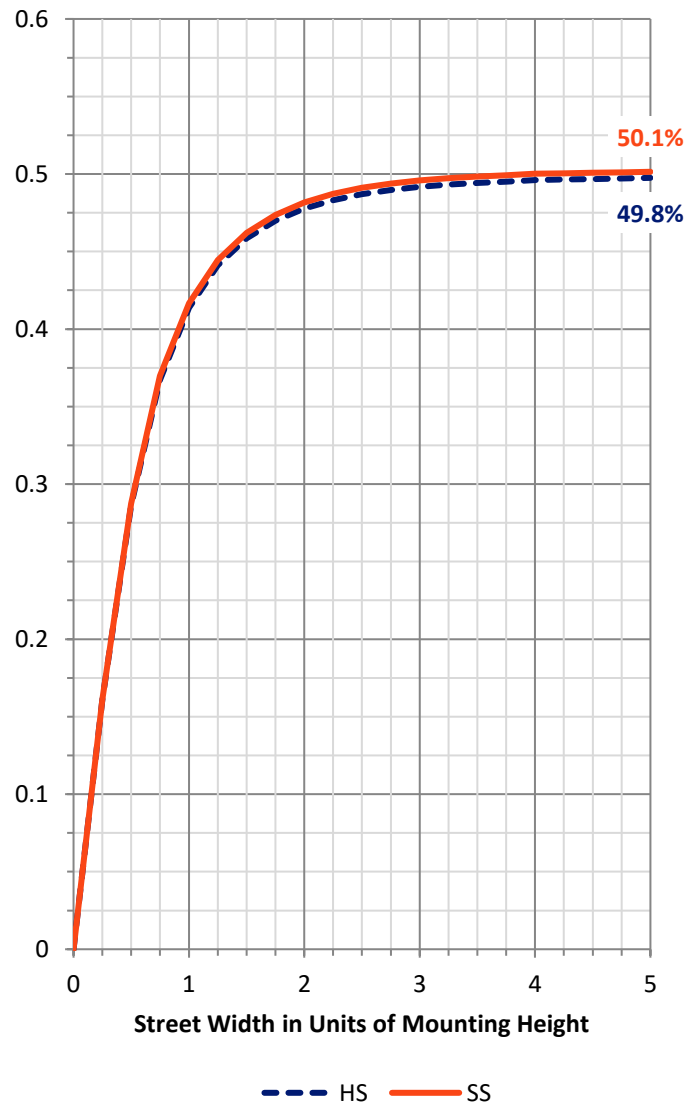
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7395.0	0.0	7395.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7395.0	0.0	7395.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14790.0	0.0	14790.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.4	1.6
10°-20°	707.0	4.8
20°-30°	1167.5	7.9
30°-40°	1723.2	11.7
40°-50°	2507.2	17.0
50°-60°	3209.5	21.7
60°-70°	3356.3	22.7
70°-80°	1810.7	12.2
80°-90°	71.3	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°	14790.0	100.0
0°-180°	14790.0	100.0



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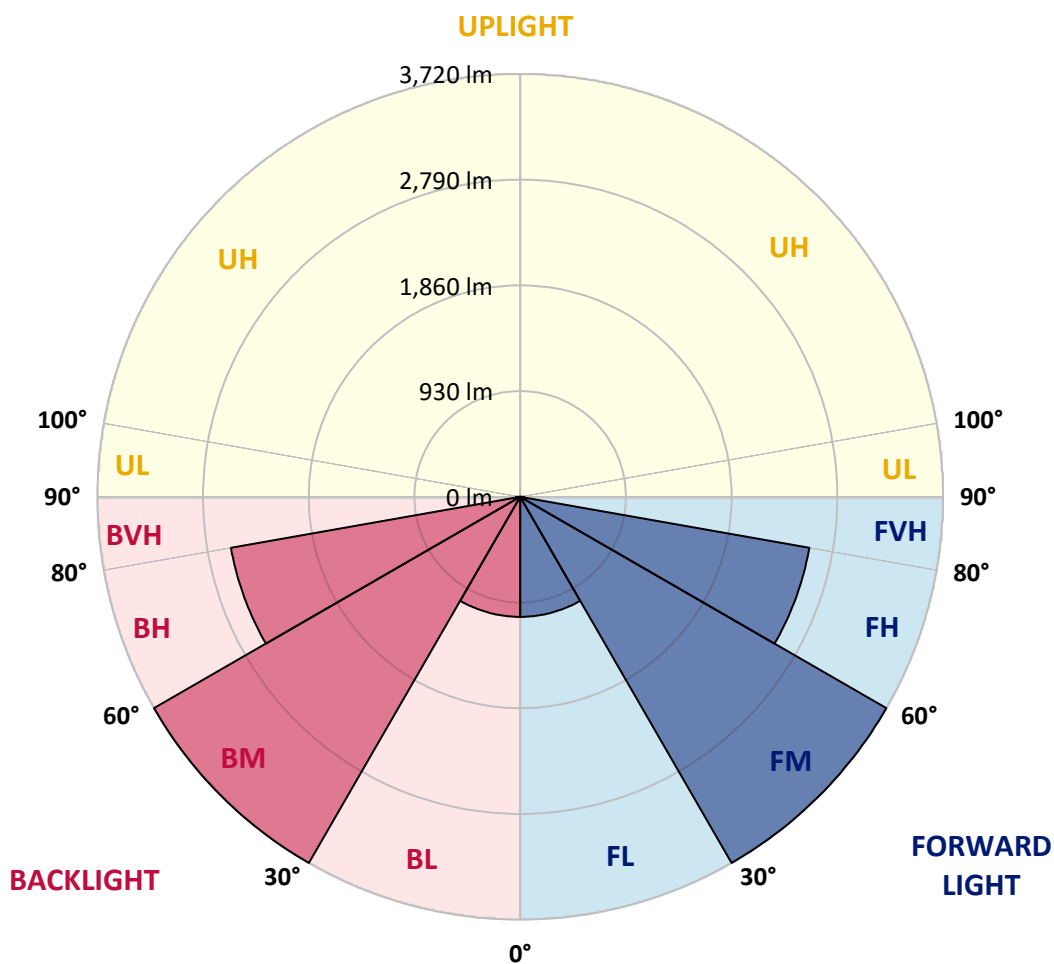
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1055.9	7.1			
FM	(30°-60°)	3720.0	25.2			
FH	(60°-80°)	2583.5	17.5			G2/5000
FVH	(80°-90°)	35.6	0.2			G1/100
BL	(0°-30°)	1055.9	7.1	B3/2500		
BM	(30°-60°)	3720.0	25.2	B3/5000		
BH	(60°-80°)	2583.5	17.5	B4/5000		G4/5000
BVH	(80°-90°)	35.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	2502.4	2502.4	2502.4	2502.4	2502.4	2502.4	2502.4	2502.4	2502.4	2502.4	2502.4
2.5°	2488.8	2497.9	2502.4	2500.9	2491.8	2491.8	2491.8	2491.8	2488.8	2487.3	2488.8
5°	2470.7	2478.3	2487.3	2482.8	2478.3	2482.8	2482.8	2482.8	2484.3	2484.3	2484.3
7.5°	2455.7	2466.2	2470.7	2476.8	2466.2	2478.3	2496.3	2499.4	2500.9	2500.9	2500.9
10°	2442.1	2451.2	2463.2	2461.7	2466.2	2484.3	2503.9	2526.5	2528.0	2532.5	2532.5
12.5°	2409.0	2421.0	2434.6	2443.6	2449.6	2491.8	2511.4	2540.0	2562.6	2565.7	2567.2
15°	2368.3	2375.8	2390.9	2412.0	2443.6	2488.8	2532.5	2568.7	2604.8	2613.9	2613.9
17.5°	2306.5	2315.6	2336.7	2366.8	2424.0	2497.9	2567.2	2615.4	2660.6	2674.1	2677.1
20°	2222.2	2238.7	2267.4	2320.1	2396.9	2503.9	2604.8	2677.1	2735.9	2766.0	2767.5
22.5°	2121.2	2133.3	2184.5	2259.8	2368.3	2503.9	2644.0	2749.4	2830.8	2877.5	2882.0
25°	2011.2	2021.8	2088.1	2193.5	2332.1	2505.4	2683.2	2829.3	2955.8	3017.6	3023.6
27.5°	1911.8	1922.4	1997.7	2125.7	2300.5	2509.9	2725.3	2927.2	3103.5	3186.3	3202.9
30°	1819.9	1824.4	1910.3	2051.9	2265.8	2512.9	2776.6	3034.2	3258.7	3392.7	3401.8
32.5°	1734.0	1746.1	1825.9	1978.1	2225.2	2517.4	2844.4	3186.3	3507.2	3709.1	3716.7
35°	1657.2	1667.7	1747.6	1902.8	2170.9	2529.5	2918.2	3380.7	3867.3	4219.8	4278.6
37.5°	1595.4	1606.0	1676.8	1822.9	2115.2	2526.5	3014.6	3617.2	4307.2	4864.6	4953.5
40°	1545.7	1557.8	1615.0	1747.6	2041.4	2503.9	3115.5	3873.3	4786.3	5544.1	5676.7
42.5°	1503.5	1514.1	1563.8	1681.3	1961.5	2467.7	3205.9	4105.3	5248.8	6235.6	6341.1
45°	1455.3	1467.4	1515.6	1625.6	1887.7	2412.0	3266.2	4332.8	5717.3	6892.5	7043.1
47.5°	1423.7	1431.2	1468.9	1571.3	1804.8	2324.6	3276.7	4494.0	6219.0	7587.0	7690.9
50°	1395.1	1393.6	1426.7	1517.1	1728.0	2213.1	3221.0	4619.1	6696.6	8234.8	8390.0
52.5°	1354.4	1355.9	1383.0	1464.4	1652.7	2083.6	3088.4	4650.7	7187.7	8884.1	9052.8
55°	1306.2	1310.7	1336.3	1404.1	1575.8	1955.5	2862.4	4593.5	7716.5	9525.9	9797.1
57.5°	1259.5	1256.5	1282.1	1342.3	1493.0	1825.9	2604.8	4447.3	8224.2	10200.8	10371.1
60°	1205.2	1208.3	1226.3	1276.0	1405.6	1688.8	2317.1	4194.2	8566.2	10722.1	10841.1
62.5°	1143.5	1143.5	1160.0	1197.7	1304.7	1539.7	2041.4	3859.8	8759.1	10993.3	11190.6
65°	1065.1	1060.6	1078.7	1105.8	1187.2	1380.0	1789.8	3466.6	8664.2	11157.5	11455.8
67.5°	980.8	971.7	980.8	992.8	1053.1	1208.3	1535.2	3111.0	8221.2	11052.0	11410.6
70°	870.8	858.7	863.3	863.3	903.9	1007.9	1286.6	2809.7	7210.3	10711.6	11220.8
72.5°	712.6	708.1	715.6	709.6	739.7	809.0	1066.6	2443.6	5875.5	9895.0	10506.7
75°	433.9	439.9	464.0	506.2	533.3	586.0	780.4	1932.9	4448.8	7464.9	8195.6
77.5°	180.8	201.9	223.0	230.5	260.6	254.6	352.5	876.8	1801.8	2972.4	3218.0
80°	60.3	61.8	137.1	152.2	167.2	137.1	134.1	293.8	515.2	435.4	366.1
82.5°	36.2	39.2	75.3	81.4	70.8	73.8	78.3	99.4	96.4	156.7	177.8
85°	18.1	19.6	33.1	37.7	37.7	45.2	45.2	48.2	54.2	94.9	102.4
87.5°	4.5	4.5	9.0	13.6	15.1	18.1	18.1	21.1	24.1	34.7	40.7
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)