

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: P509147

Luminaire Tested: **VERD-CA2-120-722-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509147
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-CA2-120-722-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14874 lumens
Efficiency: N/A
Efficacy: 121.2 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

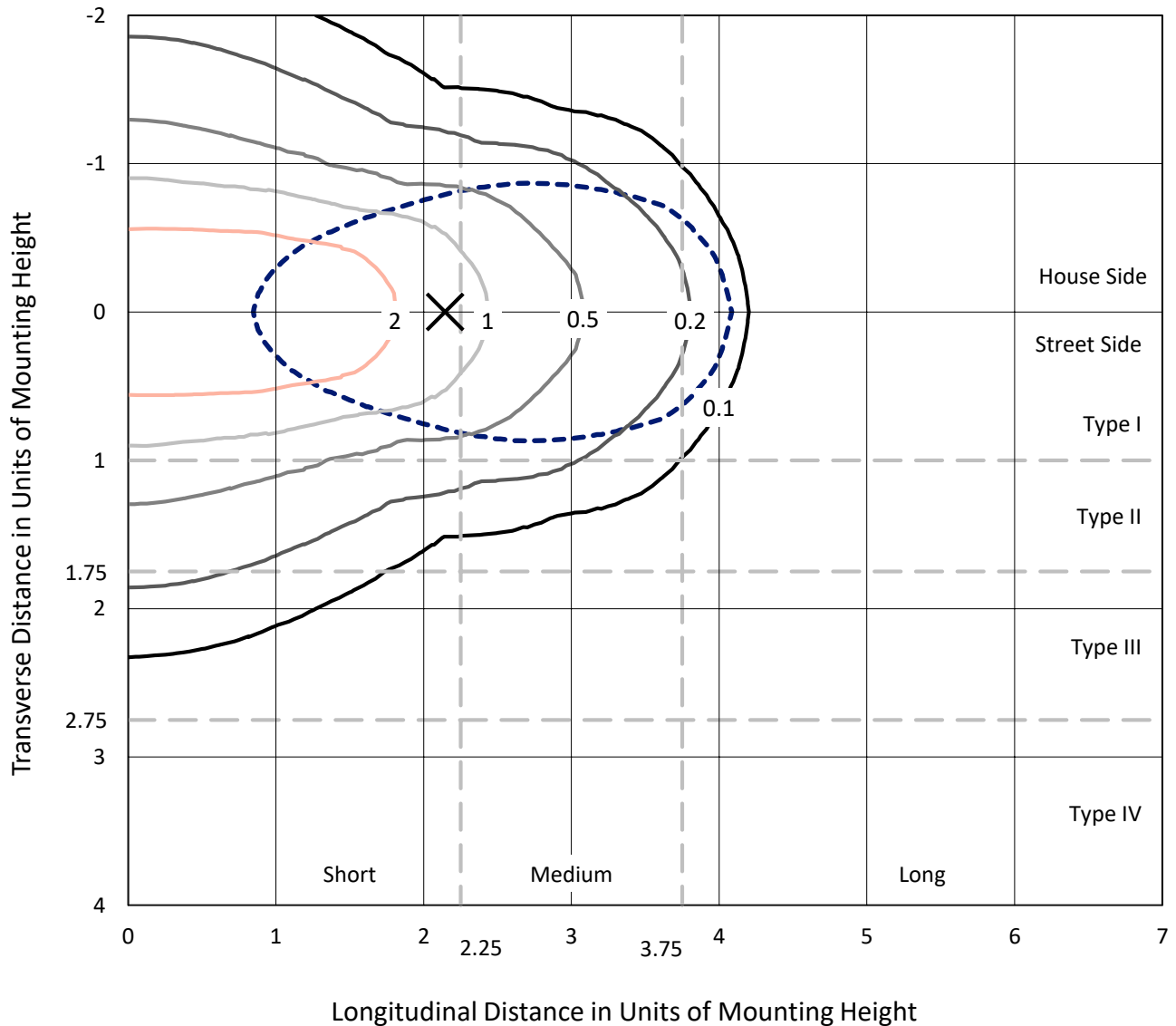
Input Watts (W): 122.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

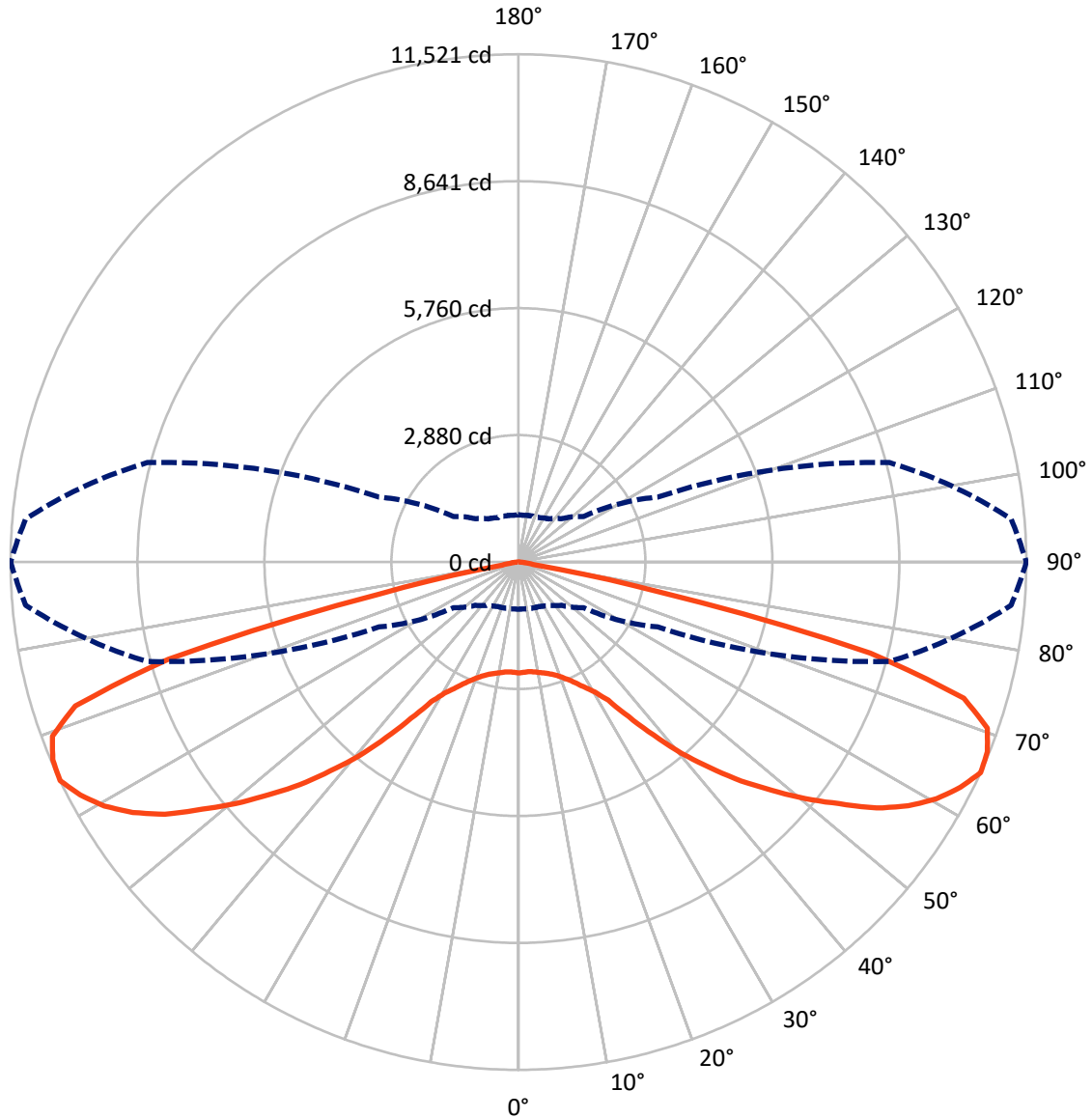
× Max cd
 - - - 1/2 Max cd



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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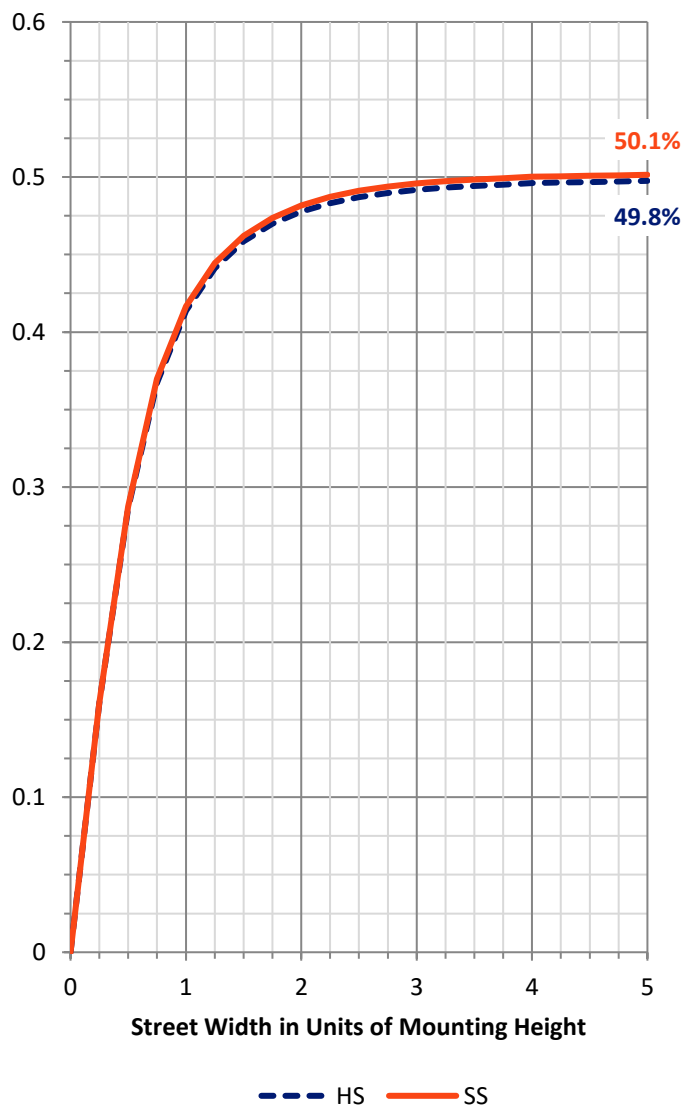
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7437.0	0.0	7437.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7437.0	0.0	7437.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14874.0	0.0	14874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.7	1.6
10°-20°	711.0	4.8
20°-30°	1174.1	7.9
30°-40°	1733.0	11.7
40°-50°	2521.5	17.0
50°-60°	3227.7	21.7
60°-70°	3375.3	22.7
70°-80°	1821.0	12.2
80°-90°	71.7	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°	14874.0	100.0
0°-180°	14874.0	100.0

Coefficient of Utilization



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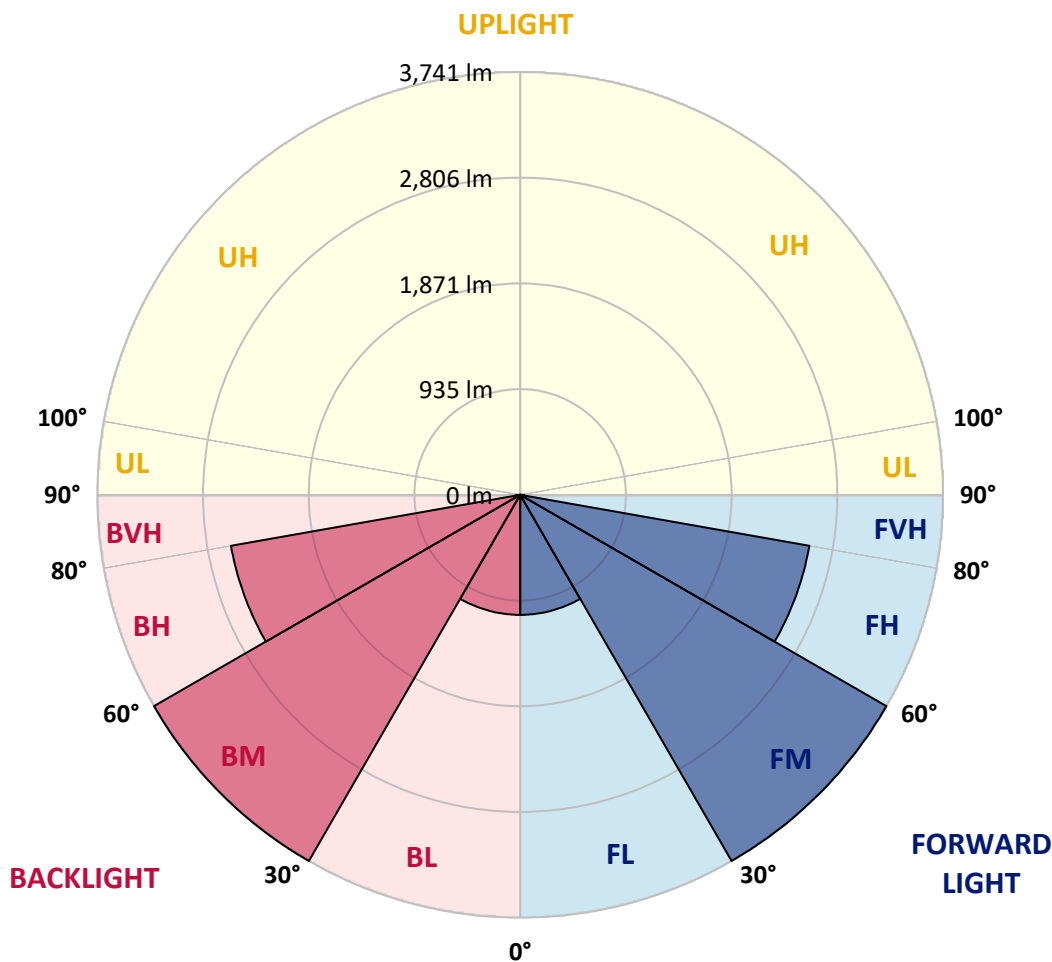
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1061.9	7.1			
FM (30°-60°)	3741.1	25.2			
FH (60°-80°)	2598.2	17.5			G2/5000
FVH (80°-90°)	35.8	0.2			G1/100
BL (0°-30°)	1061.9	7.1	B3/2500		
BM (30°-60°)	3741.1	25.2	B3/5000		
BH (60°-80°)	2598.2	17.5	B4/5000		G4/5000
BVH (80°-90°)	35.8	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°	2516.6	2516.6	2516.6	2516.6	2516.6	2516.6	2516.6	2516.6	2516.6	2516.6	2516.6
2.5°	2503.0	2512.0	2516.6	2515.1	2506.0	2506.0	2506.0	2506.0	2503.0	2501.4	2503.0
5°	2484.8	2492.3	2501.4	2496.9	2492.3	2496.9	2496.9	2496.9	2498.4	2498.4	2498.4
7.5°	2469.6	2480.2	2484.8	2490.8	2480.2	2492.3	2510.5	2513.6	2515.1	2515.1	2515.1
10°	2456.0	2465.1	2477.2	2475.7	2480.2	2498.4	2518.1	2540.8	2542.3	2546.9	2546.9
12.5°	2422.7	2434.8	2448.4	2457.5	2463.6	2506.0	2525.7	2554.5	2577.2	2580.2	2581.7
15°	2381.7	2389.3	2404.5	2425.7	2457.5	2503.0	2546.9	2583.3	2619.6	2628.7	2628.7
17.5°	2319.6	2328.7	2349.9	2380.2	2437.8	2512.0	2581.7	2630.2	2675.7	2689.3	2692.3
20°	2234.8	2251.4	2280.2	2333.3	2410.5	2518.1	2619.6	2692.3	2751.4	2781.7	2783.2
22.5°	2133.3	2145.4	2196.9	2272.7	2381.7	2518.1	2659.0	2765.1	2846.9	2893.8	2898.4
25°	2022.7	2033.3	2099.9	2206.0	2345.4	2519.6	2698.4	2845.4	2972.6	3034.8	3040.8
27.5°	1922.7	1933.3	2009.0	2137.8	2313.6	2524.2	2740.8	2943.8	3121.1	3204.4	3221.1
30°	1830.2	1834.8	1921.2	2063.6	2278.7	2527.2	2792.3	3051.4	3277.2	3412.0	3421.1
32.5°	1743.9	1756.0	1836.3	1989.3	2237.8	2531.7	2860.5	3204.4	3527.2	3730.2	3737.8
35°	1666.6	1677.2	1757.5	1913.6	2183.3	2543.9	2934.8	3399.9	3889.3	4243.8	4302.9
37.5°	1604.5	1615.1	1686.3	1833.3	2127.2	2540.8	3031.7	3637.8	4331.7	4892.3	4981.7
40°	1554.5	1566.6	1624.2	1757.5	2053.0	2518.1	3133.2	3895.3	4813.5	5575.6	5708.9
42.5°	1512.1	1522.7	1572.7	1690.9	1972.7	2481.7	3224.1	4128.7	5278.6	6271.0	6377.1
45°	1463.6	1475.7	1524.2	1634.8	1898.4	2425.7	3284.7	4357.4	5749.8	6931.6	7083.1
47.5°	1431.8	1439.3	1477.2	1580.3	1815.1	2337.8	3295.4	4519.6	6254.3	7630.1	7734.6
50°	1403.0	1401.5	1434.8	1525.7	1737.8	2225.7	3239.3	4645.3	6734.6	8281.6	8437.6
52.5°	1362.1	1363.6	1390.9	1472.7	1662.1	2095.4	3106.0	4677.1	7228.6	8934.6	9104.3
55°	1313.6	1318.1	1343.9	1412.1	1584.8	1966.6	2878.7	4619.6	7760.4	9580.0	9852.7
57.5°	1266.6	1263.6	1289.4	1350.0	1501.5	1836.3	2619.6	4472.6	8271.0	10258.8	10430.0
60°	1212.1	1215.1	1233.3	1283.3	1413.6	1698.4	2330.2	4218.0	8614.9	10783.0	10902.7
62.5°	1150.0	1150.0	1166.6	1204.5	1312.1	1548.4	2053.0	3881.7	8808.8	11055.7	11254.2
65°	1071.2	1066.6	1084.8	1112.1	1193.9	1387.8	1799.9	3486.3	8713.4	11220.9	11520.8
67.5°	986.3	977.2	986.3	998.5	1059.1	1215.1	1543.9	3128.7	8267.9	11114.8	11475.4
70°	875.7	863.6	868.2	868.2	909.1	1013.6	1293.9	2825.7	7251.3	10772.4	11284.5
72.5°	716.6	712.1	719.7	713.6	743.9	813.6	1072.7	2457.5	5908.9	9951.2	10566.3
75°	436.3	442.4	466.7	509.1	536.3	589.4	784.8	1943.9	4474.1	7507.3	8242.2
77.5°	181.8	203.0	224.2	231.8	262.1	256.1	354.5	881.8	1812.1	2989.3	3236.3
80°	60.6	62.1	137.9	153.0	168.2	137.9	134.8	295.4	518.2	437.9	368.2
82.5°	36.4	39.4	75.8	81.8	71.2	74.2	78.8	100.0	97.0	157.6	178.8
85°	18.2	19.7	33.3	37.9	37.9	45.5	45.5	48.5	54.5	95.5	103.0
87.5°	4.5	4.5	9.1	13.6	15.2	18.2	18.2	21.2	24.2	34.8	40.9
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)