

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: P509058

Luminaire Tested: **VERD-CA2-100-722-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)
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-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1370mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11724 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

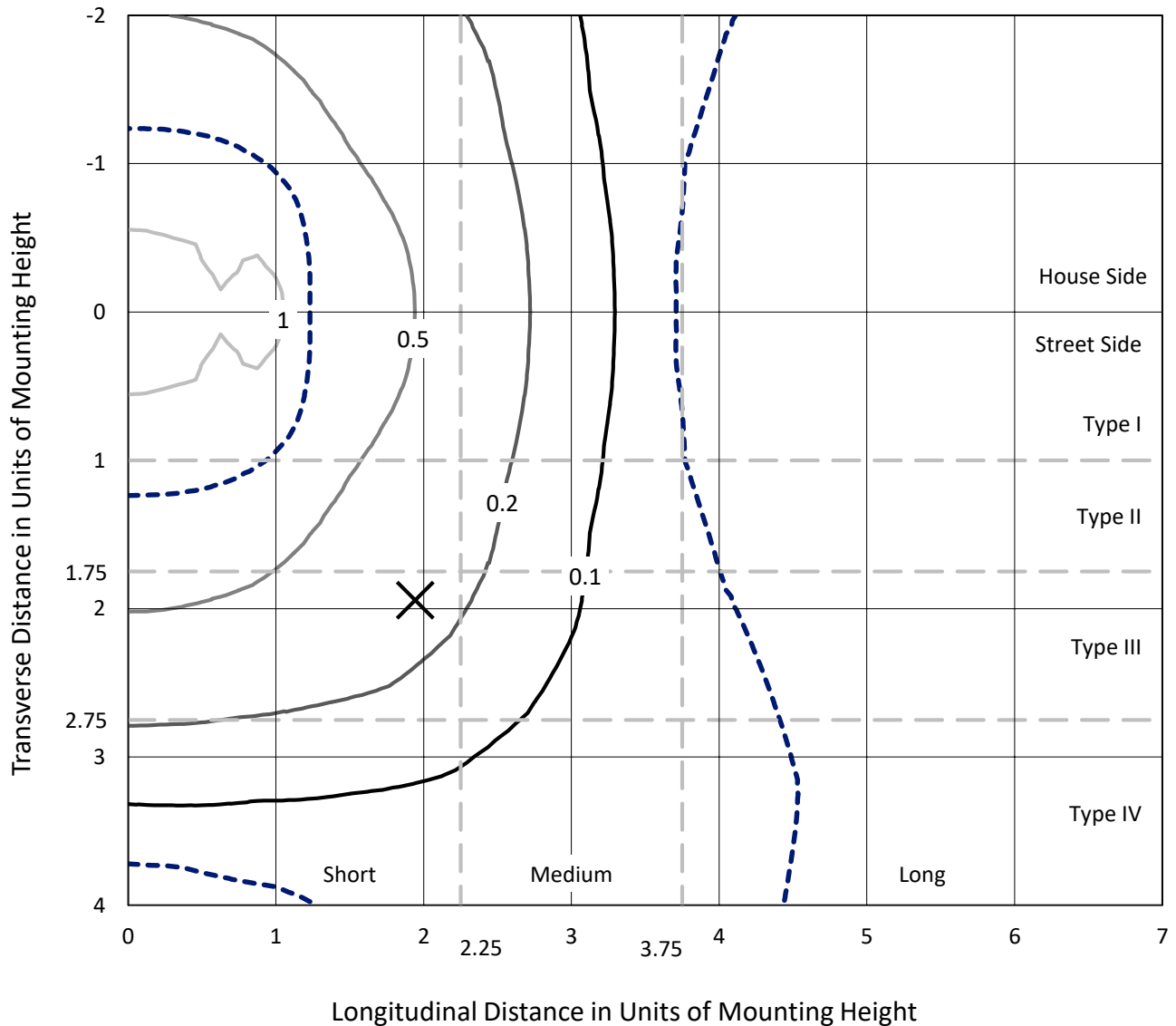
Input Watts (W): 103.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

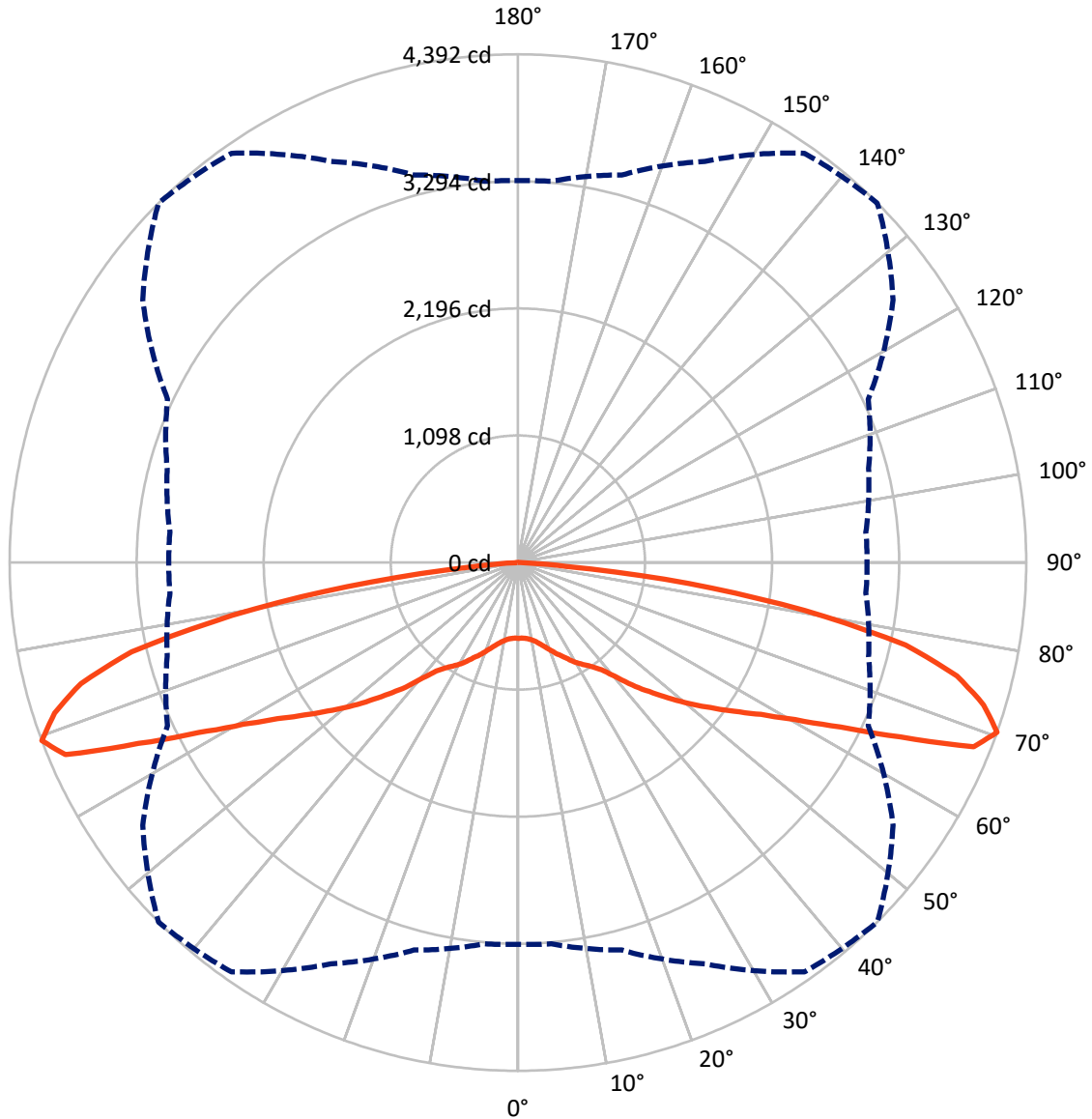
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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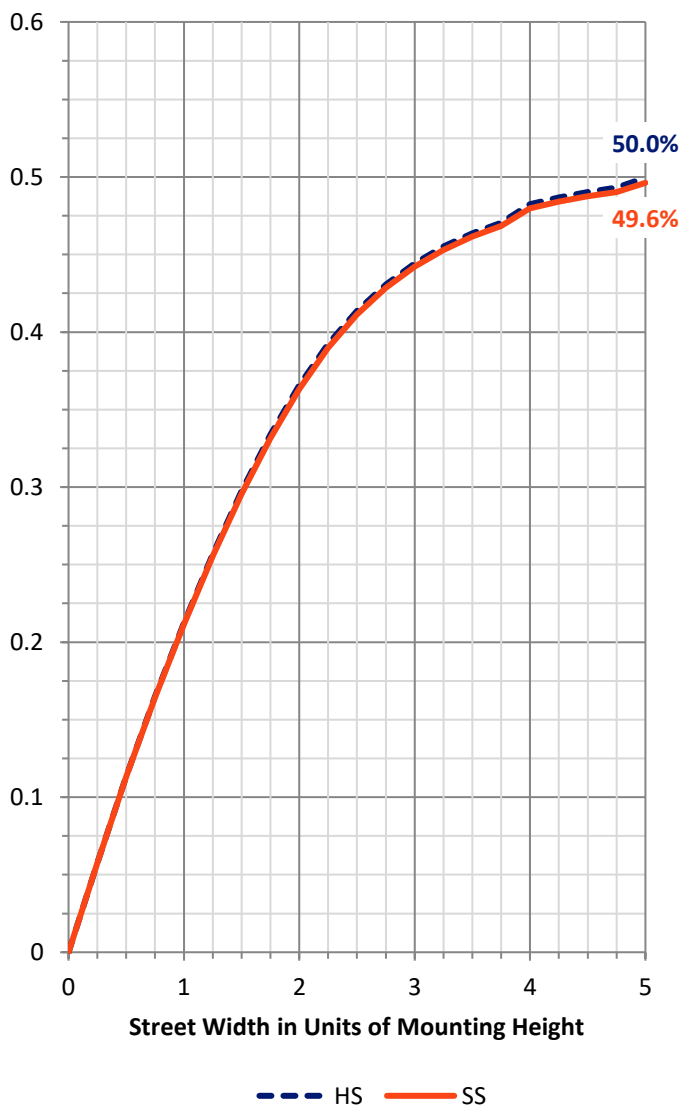
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5862.0	0.0	5862.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5862.0	0.0	5862.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11724.0	0.0	11724.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	0.5
10°-20°	209.4	1.8
20°-30°	411.4	3.5
30°-40°	705.5	6.0
40°-50°	1295.5	11.0
50°-60°	2180.2	18.6
60°-70°	3444.8	29.4
70°-80°	2939.6	25.1
80°-90°	473.9	4.0
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°	11724.0	100.0
0°-180°	11724.0	100.0

Coefficient of Utilization



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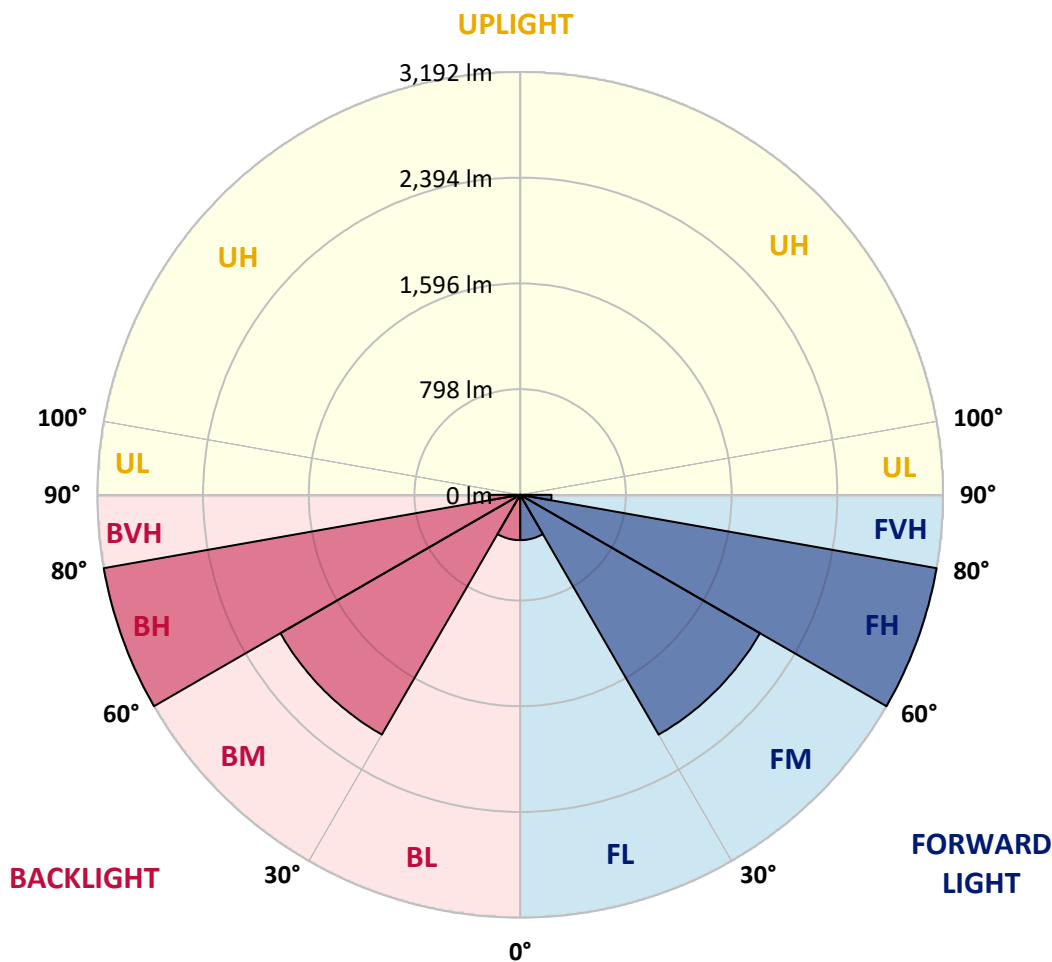
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.2	2.9			
FM (30°-60°)	2090.6	17.8			
FH (60°-80°)	3192.2	27.2			G2/5000
FVH (80°-90°)	237.0	2.0			G3/500
BL (0°-30°)	342.2	2.9	B1/500		
BM (30°-60°)	2090.6	17.8	B2/2500		
BH (60°-80°)	3192.2	27.2	B4/5000		G2/5000
BVH (80°-90°)	237.0	2.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3	655.3
2.5°	656.6	660.3	656.6	656.6	654.1	652.9	652.9	652.9	655.3	657.8	657.8
5°	661.5	664.0	660.3	660.3	657.8	657.8	657.8	657.8	660.3	662.7	661.5
7.5°	670.1	673.8	670.1	670.1	667.7	665.2	665.2	666.4	667.7	668.9	667.7
10°	684.9	689.8	684.9	687.4	682.4	681.2	680.0	680.0	681.2	681.2	681.2
12.5°	703.4	707.1	704.6	707.1	702.2	702.2	698.5	698.5	697.2	697.2	697.2
15°	728.0	733.0	730.5	734.2	731.7	731.7	728.0	724.3	723.1	723.1	723.1
17.5°	757.6	762.5	761.3	767.4	765.0	767.4	760.1	753.9	755.1	755.1	753.9
20°	792.1	797.0	797.0	805.6	805.6	808.1	798.2	792.1	789.6	790.8	789.6
22.5°	830.3	835.2	834.0	847.5	854.9	854.9	841.4	836.4	831.5	832.7	830.3
25°	872.1	878.3	872.1	884.5	896.8	898.0	886.9	874.6	874.6	880.8	878.3
27.5°	907.9	915.3	911.6	916.5	943.6	951.0	933.7	920.2	922.7	927.6	923.9
30°	951.0	957.1	951.0	954.7	980.6	1005.2	973.2	969.5	974.4	979.3	979.3
32.5°	1006.4	1013.8	1002.7	1006.4	1015.0	1053.2	1024.9	1029.8	1040.9	1052.0	1052.0
35°	1071.7	1079.1	1068.0	1068.0	1071.7	1103.7	1095.1	1109.9	1132.1	1155.5	1160.4
37.5°	1154.2	1157.9	1145.6	1140.7	1148.1	1174.0	1186.3	1219.5	1255.3	1298.4	1305.8
40°	1266.3	1271.3	1254.0	1249.1	1254.0	1291.0	1325.5	1384.6	1433.9	1479.5	1484.4
42.5°	1432.6	1447.4	1430.2	1414.2	1414.2	1447.4	1495.5	1566.9	1629.7	1659.3	1666.7
45°	1616.2	1629.7	1592.8	1571.8	1563.2	1590.3	1643.3	1727.1	1786.2	1834.2	1830.5
47.5°	1834.2	1829.3	1794.8	1757.8	1730.7	1748.0	1797.3	1869.9	1934.0	1977.1	1978.3
50°	2078.1	2076.9	2031.3	1958.6	1906.9	1914.3	1947.6	2025.2	2089.2	2129.9	2139.7
52.5°	2338.0	2329.4	2269.1	2185.3	2107.7	2083.1	2096.6	2165.6	2234.6	2281.4	2281.4
55°	2598.0	2586.9	2536.4	2425.5	2333.1	2266.6	2256.7	2325.7	2404.6	2461.2	2464.9
57.5°	2866.5	2869.0	2814.8	2719.9	2578.3	2476.0	2448.9	2527.8	2611.5	2663.3	2676.8
60°	3140.0	3137.5	3095.6	3029.1	2887.5	2754.4	2710.1	2755.6	2861.6	2902.2	2918.2
62.5°	3488.6	3497.2	3435.6	3388.8	3254.5	3126.4	3042.7	3087.0	3191.7	3248.4	3249.6
65°	3677.1	3694.3	3721.4	3806.4	3762.1	3631.5	3525.6	3473.8	3441.8	3423.3	3412.2
67.5°	3571.1	3572.4	3689.4	3906.2	4162.4	4246.2	3842.1	3480.0	3346.9	3310.0	3300.1
70°	3298.9	3306.3	3466.4	3824.9	4316.4	4391.5	3956.7	3339.5	3136.3	3018.0	3016.8
72.5°	2756.9	2846.8	3057.4	3588.4	4216.6	4208.0	3773.2	3112.9	2792.6	2675.6	2662.0
75°	2181.6	2207.5	2499.4	3096.9	3847.1	3918.5	3505.8	2706.4	2334.4	2180.4	2171.7
77.5°	1394.5	1417.9	1739.4	2403.3	3250.8	3424.5	2990.9	2161.9	1745.5	1530.0	1523.8
80°	681.2	747.7	991.6	1564.4	2346.7	2510.5	2104.0	1382.1	1033.5	830.3	813.0
82.5°	279.6	294.4	482.9	866.0	1377.2	1488.1	1075.4	643.0	381.9	252.5	234.1
85°	83.8	85.0	147.8	309.2	580.2	420.1	216.8	92.4	40.7	29.6	28.3
87.5°	14.8	16.0	27.1	37.0	35.7	16.0	14.8	13.6	13.6	13.6	14.8
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)