

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: P507710

Luminaire Tested: **VERD-S-CA1-70-760-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-70-760-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 1330mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10259 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

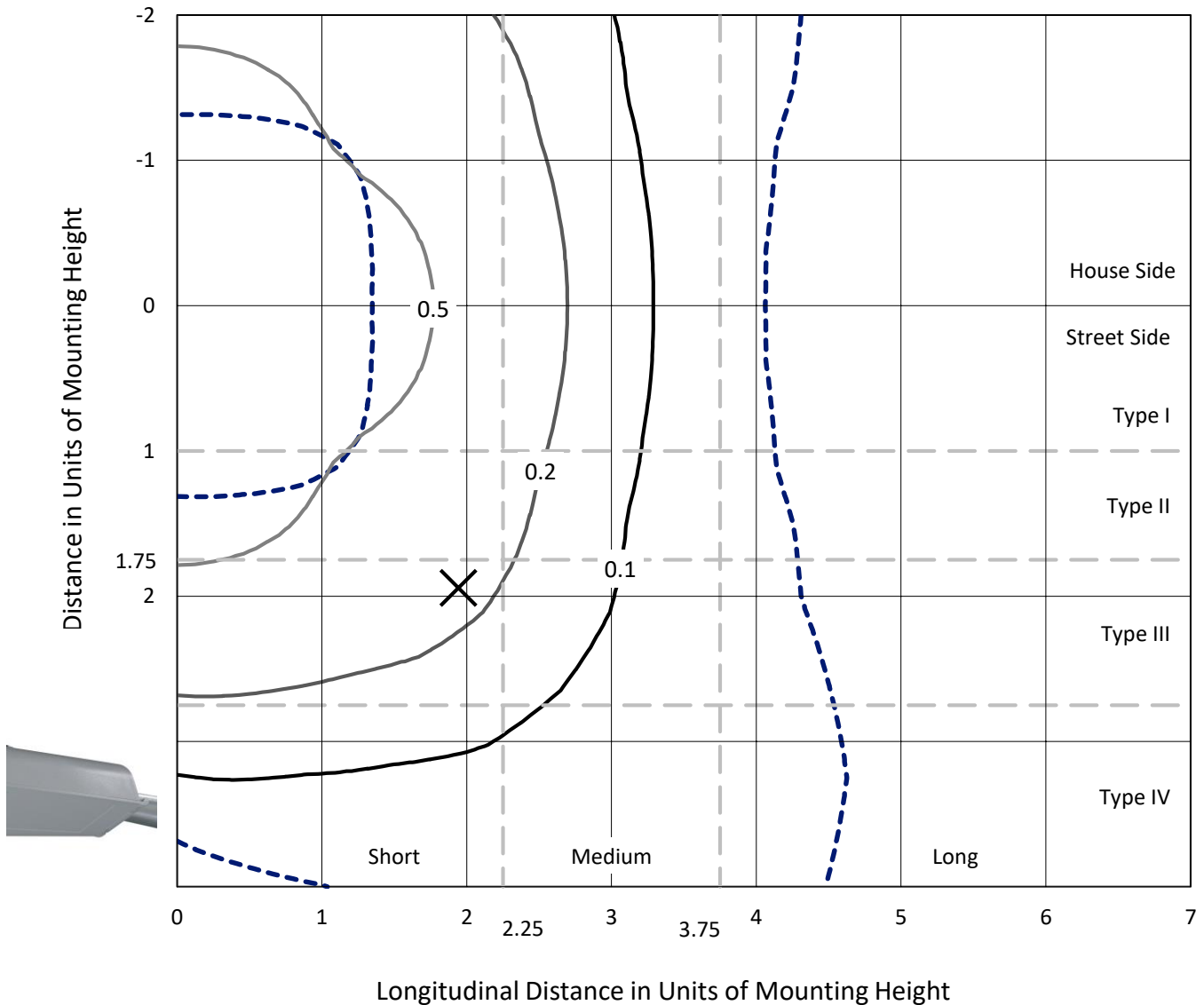
Input Watts (W): 73.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

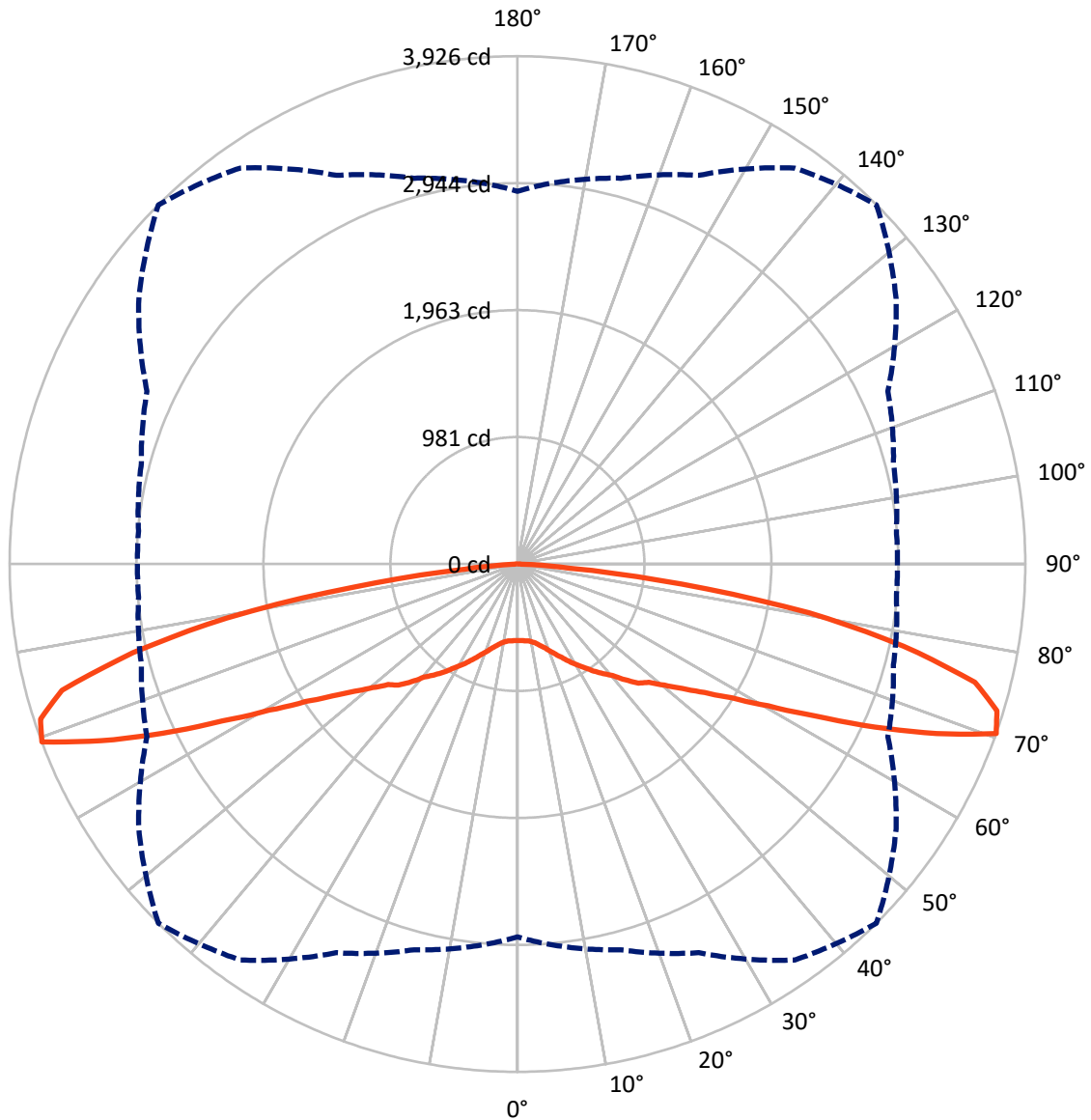
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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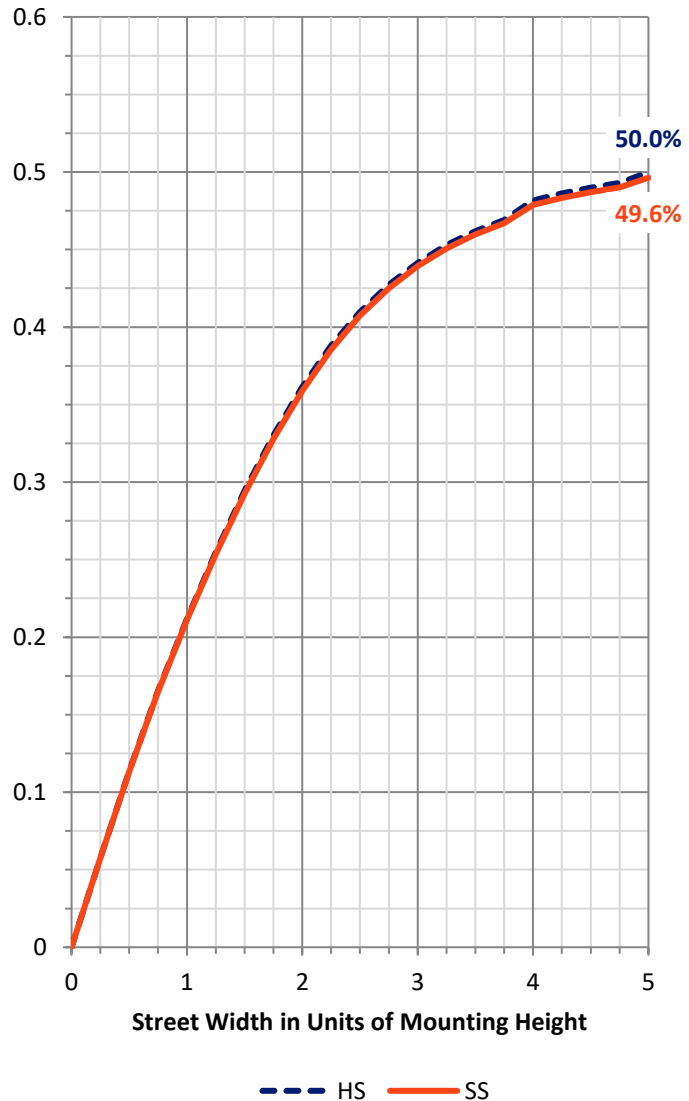
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5129.5	0.0	5129.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5129.5	0.0	5129.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10259.0	0.0	10259.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	0.6
10°-20°	185.2	1.8
20°-30°	367.3	3.6
30°-40°	639.3	6.2
40°-50°	1047.4	10.2
50°-60°	1780.9	17.4
60°-70°	2960.5	28.9
70°-80°	2761.6	26.9
80°-90°	459.4	4.5
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°	10259.0	100.0
0°-180°	10259.0	100.0

Coefficient of Utilization



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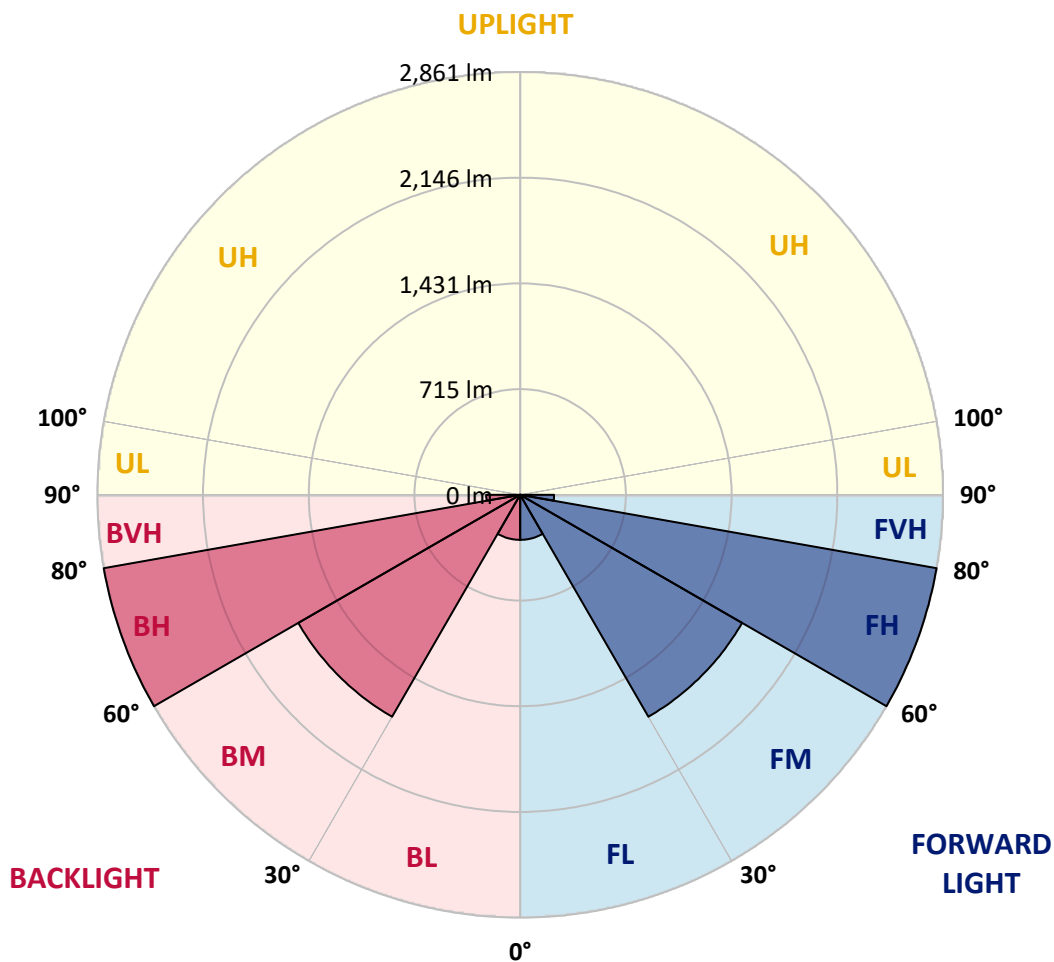
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.9	3.0			
FM (30°-60°)	1733.8	16.9			
FH (60°-80°)	2861.0	27.9			G2/5000
FVH (80°-90°)	229.7	2.2			G3/500
BL (0°-30°)	304.9	3.0	B1/500		
BM (30°-60°)	1733.8	16.9	B2/2500		
BH (60°-80°)	2861.0	27.9	B4/5000		G2/5000
BVH (80°-90°)	229.7	2.2			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°	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4
2.5°	591.4	591.4	591.4	591.4	591.4	591.4	591.4	594.2	594.2	594.2	594.2
5°	596.9	596.9	594.2	594.2	594.2	596.9	596.9	596.9	596.9	599.7	599.7
7.5°	599.7	599.7	599.7	599.7	599.7	599.7	599.7	599.7	602.5	602.5	602.5
10°	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8
12.5°	621.9	621.9	624.7	624.7	627.5	627.5	624.7	624.7	621.9	619.2	619.2
15°	641.4	641.4	644.1	646.9	652.5	652.5	649.7	646.9	641.4	638.6	638.6
17.5°	660.8	660.8	663.6	669.1	677.5	680.2	674.7	669.1	663.6	660.8	660.8
20°	688.6	691.3	694.1	699.7	713.6	719.1	710.8	699.7	696.9	696.9	696.9
22.5°	730.2	730.2	730.2	738.5	749.6	758.0	746.9	741.3	735.8	735.8	735.8
25°	774.6	774.6	774.6	777.4	794.1	802.4	791.3	783.0	780.2	783.0	783.0
27.5°	824.6	824.6	824.6	824.6	838.5	852.4	838.5	830.2	832.9	832.9	832.9
30°	877.4	877.4	880.1	880.1	885.7	902.4	888.5	885.7	888.5	891.2	891.2
32.5°	938.4	941.2	938.4	938.4	944.0	955.1	946.8	946.8	952.3	957.9	957.9
35°	1002.3	1002.3	1002.3	1002.3	1005.1	1016.2	1010.6	1010.6	1019.0	1027.3	1027.3
37.5°	1071.7	1074.5	1066.2	1063.4	1068.9	1074.5	1071.7	1077.3	1091.2	1102.3	1105.0
40°	1146.7	1146.7	1138.4	1130.0	1130.0	1132.8	1138.4	1149.5	1168.9	1182.8	1185.6
42.5°	1241.1	1249.4	1235.5	1224.4	1218.9	1224.4	1230.0	1249.4	1268.8	1280.0	1280.0
45°	1366.0	1368.8	1352.1	1332.7	1318.8	1313.3	1321.6	1341.0	1363.2	1385.5	1385.5
47.5°	1518.7	1513.2	1477.1	1418.8	1377.1	1366.0	1379.9	1424.3	1477.1	1510.4	1516.0
50°	1710.3	1704.7	1649.2	1563.2	1488.2	1471.5	1479.9	1546.5	1624.2	1674.2	1682.5
52.5°	1938.0	1924.1	1863.0	1749.2	1635.3	1596.5	1615.9	1704.7	1804.7	1868.6	1876.9
55°	2171.2	2162.9	2099.0	1971.3	1826.9	1754.7	1779.7	1899.1	2024.0	2090.7	2096.2
57.5°	2398.9	2401.6	2343.3	2226.7	2057.4	1951.9	1985.2	2126.8	2268.4	2335.0	2335.0
60°	2615.4	2612.7	2571.0	2479.4	2348.9	2226.7	2268.4	2385.0	2509.9	2571.0	2576.6
62.5°	2823.7	2820.9	2807.0	2748.7	2673.7	2584.9	2587.7	2665.4	2765.4	2809.8	2818.1
65°	3093.0	3087.4	3068.0	3031.9	3043.0	3037.5	2945.8	2965.3	3059.7	3109.6	3112.4
67.5°	3112.4	3145.7	3209.6	3317.9	3473.4	3495.6	3379.0	3204.0	3156.8	3129.1	3126.3
70°	2882.0	2954.2	3087.4	3315.1	3737.1	3925.9	3573.3	3159.6	3009.7	2940.3	2937.5
72.5°	2476.6	2626.5	2801.5	3165.2	3753.8	3875.9	3592.7	2995.8	2754.3	2640.4	2623.8
75°	1918.5	2062.9	2354.4	2854.2	3531.7	3653.8	3376.2	2687.6	2376.7	2265.6	2232.3
77.5°	1180.0	1352.1	1660.3	2232.3	2923.6	3048.6	2826.4	2143.4	1810.3	1635.3	1643.7
80°	574.7	744.1	1002.3	1507.6	2101.8	2285.0	1943.5	1382.7	1102.3	980.1	969.0
82.5°	249.9	338.7	483.1	755.2	1193.9	1277.2	988.4	683.0	544.2	485.9	480.3
85°	36.1	50.0	124.9	224.9	360.9	405.4	233.2	141.6	108.3	97.2	88.8
87.5°	25.0	25.0	25.0	27.8	33.3	36.1	30.5	27.8	25.0	25.0	25.0
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)