

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: P507686

Luminaire Tested: **VERD-S-CA1-70-730-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507686
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-CA1-70-730-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1330mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10106 lumens
Efficiency: N/A
Efficacy: 137.5 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

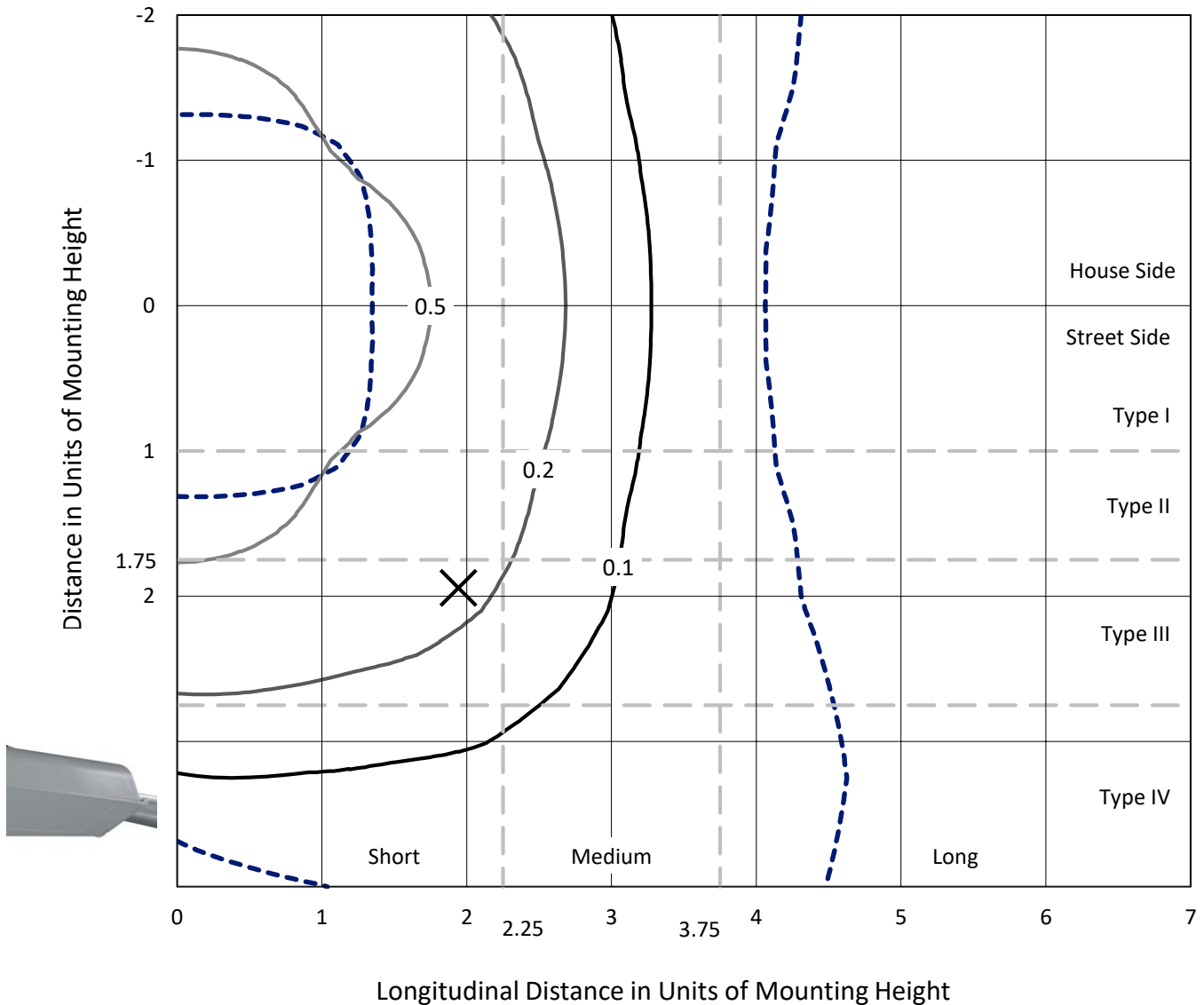
Input Watts (W): 73.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

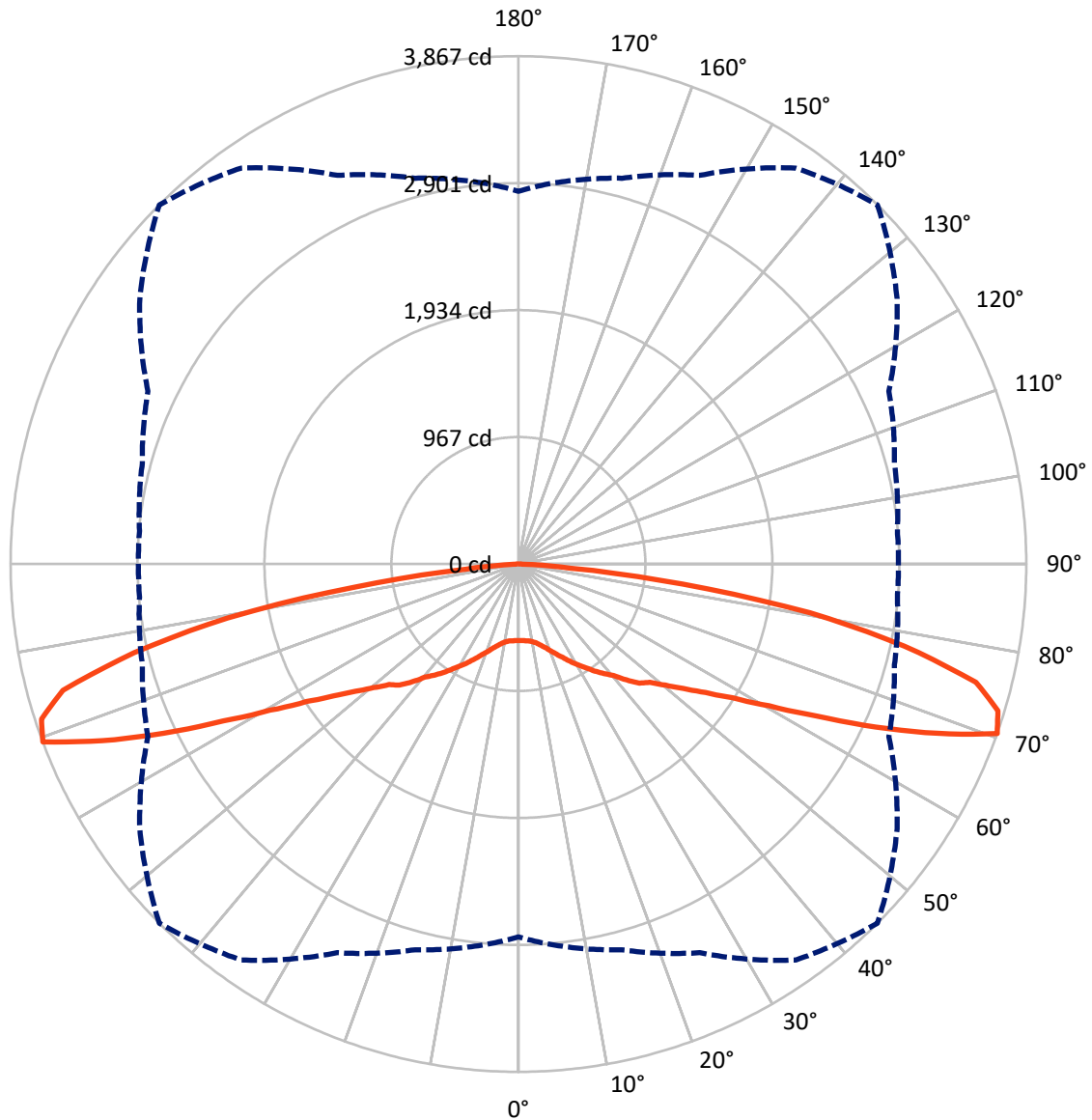
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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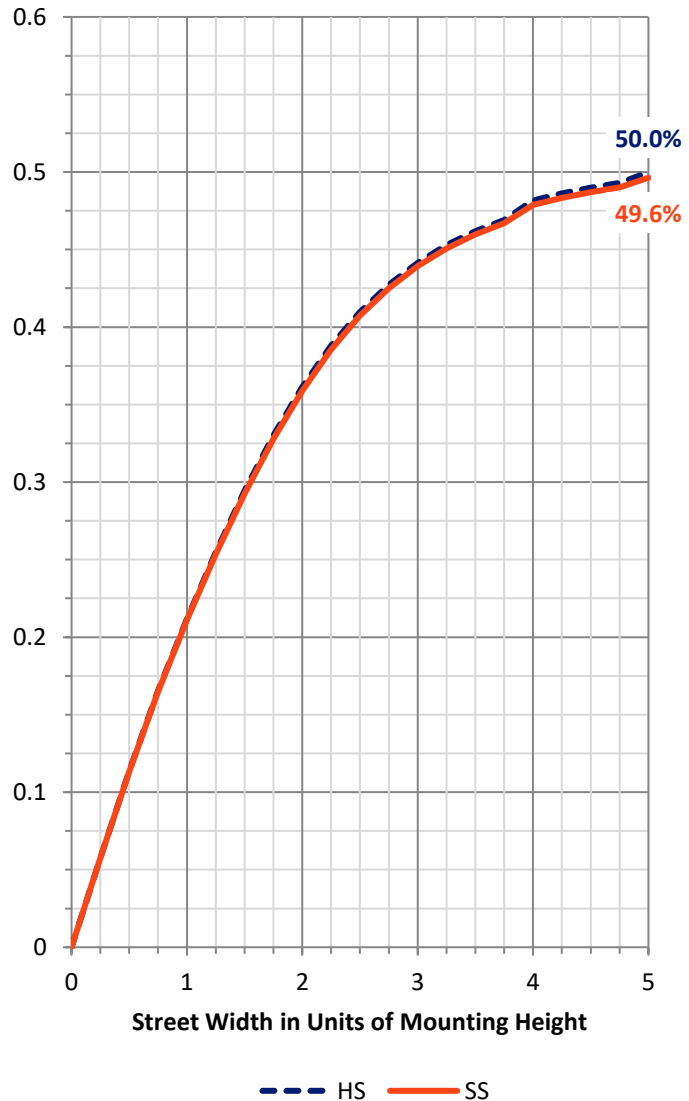
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5053.0	0.0	5053.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5053.0	0.0	5053.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10106.0	0.0	10106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	0.6
10°-20°	182.5	1.8
20°-30°	361.9	3.6
30°-40°	629.8	6.2
40°-50°	1031.8	10.2
50°-60°	1754.4	17.4
60°-70°	2916.3	28.9
70°-80°	2720.4	26.9
80°-90°	452.5	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°	10106.0	100.0
0°-180°	10106.0	100.0

Coefficient of Utilization



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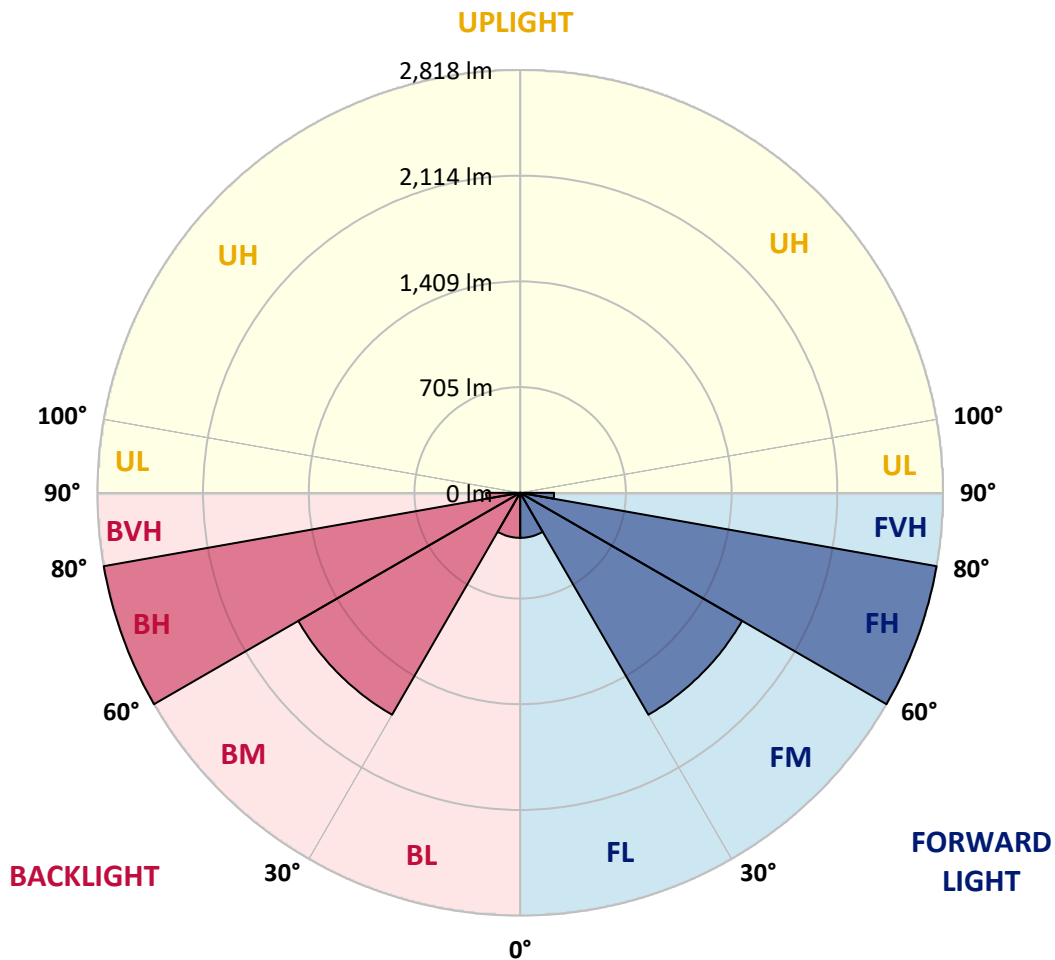
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	300.4	3.0			
FM	(30°-60°)	1708.0	16.9			
FH	(60°-80°)	2818.4	27.9			G2/5000
FVH	(80°-90°)	226.3	2.2			G3/500
BL	(0°-30°)	300.4	3.0	B1/500		
BM	(30°-60°)	1708.0	16.9	B2/2500		
BH	(60°-80°)	2818.4	27.9	B4/5000		G2/5000
BVH	(80°-90°)	226.3	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°	582.6	582.6	582.6	582.6	582.6	582.6	582.6	582.6	582.6	582.6	582.6
2.5°	582.6	582.6	582.6	582.6	582.6	582.6	582.6	585.3	585.3	585.3	585.3
5°	588.0	588.0	585.3	585.3	585.3	588.0	588.0	588.0	588.0	590.8	590.8
7.5°	590.8	590.8	590.8	590.8	590.8	590.8	590.8	590.8	593.5	593.5	593.5
10°	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7
12.5°	612.7	612.7	615.4	615.4	618.1	618.1	615.4	615.4	612.7	609.9	609.9
15°	631.8	631.8	634.5	637.3	642.7	642.7	640.0	637.3	631.8	629.1	629.1
17.5°	650.9	650.9	653.7	659.1	667.4	670.1	664.6	659.1	653.7	650.9	650.9
20°	678.3	681.0	683.8	689.2	702.9	708.4	700.2	689.2	686.5	686.5	686.5
22.5°	719.3	719.3	719.3	727.5	738.5	746.7	735.7	730.3	724.8	724.8	724.8
25°	763.1	763.1	763.1	765.8	782.2	790.4	779.5	771.3	768.6	771.3	771.3
27.5°	812.3	812.3	812.3	812.3	826.0	839.7	826.0	817.8	820.5	820.5	820.5
30°	864.3	864.3	867.0	867.0	872.5	888.9	875.2	872.5	875.2	878.0	878.0
32.5°	924.4	927.2	924.4	924.4	929.9	940.9	932.7	932.7	938.1	943.6	943.6
35°	987.4	987.4	987.4	987.4	990.1	1001.0	995.6	995.6	1003.8	1012.0	1012.0
37.5°	1055.7	1058.5	1050.3	1047.5	1053.0	1058.5	1055.7	1061.2	1074.9	1085.8	1088.6
40°	1129.6	1129.6	1121.4	1113.2	1113.2	1115.9	1121.4	1132.3	1151.5	1165.1	1167.9
42.5°	1222.6	1230.8	1217.1	1206.2	1200.7	1206.2	1211.6	1230.8	1249.9	1260.9	1260.9
45°	1345.6	1348.4	1332.0	1312.8	1299.2	1293.7	1301.9	1321.0	1342.9	1364.8	1364.8
47.5°	1496.1	1490.6	1455.1	1397.6	1356.6	1345.6	1359.3	1403.1	1455.1	1487.9	1493.3
50°	1684.8	1679.3	1624.6	1539.8	1466.0	1449.6	1457.8	1523.4	1600.0	1649.2	1657.4
52.5°	1909.1	1895.4	1835.2	1723.1	1610.9	1572.7	1591.8	1679.3	1777.8	1840.7	1848.9
55°	2138.8	2130.6	2067.7	1941.9	1799.7	1728.6	1753.2	1870.8	1993.9	2059.5	2065.0
57.5°	2363.1	2365.8	2308.4	2193.5	2026.7	1922.7	1955.6	2095.1	2234.5	2300.2	2300.2
60°	2576.4	2573.7	2532.7	2442.4	2313.9	2193.5	2234.5	2349.4	2472.5	2532.7	2538.1
62.5°	2781.6	2778.8	2765.1	2707.7	2633.9	2546.3	2549.1	2625.7	2724.1	2767.9	2776.1
65°	3046.9	3041.4	3022.2	2986.7	2997.6	2992.2	2901.9	2921.0	3014.0	3063.3	3066.0
67.5°	3066.0	3098.8	3161.7	3268.4	3421.6	3443.4	3328.6	3156.3	3109.8	3082.4	3079.7
70°	2839.0	2910.1	3041.4	3265.7	3681.4	3867.4	3520.0	3112.5	2964.8	2896.4	2893.7
72.5°	2439.7	2587.4	2759.7	3118.0	3697.8	3818.1	3539.2	2951.1	2713.2	2601.0	2584.6
75°	1889.9	2032.1	2319.3	2811.6	3479.0	3599.3	3325.8	2647.5	2341.2	2231.8	2199.0
77.5°	1162.4	1332.0	1635.6	2199.0	2880.0	3003.1	2784.3	2111.5	1783.3	1610.9	1619.2
80°	566.2	733.0	987.4	1485.1	2070.4	2251.0	1914.5	1362.1	1085.8	965.5	954.5
82.5°	246.2	333.7	475.9	743.9	1176.1	1258.1	973.7	672.8	536.1	478.6	473.2
85°	35.6	49.2	123.1	221.5	355.6	399.3	229.7	139.5	106.7	95.7	87.5
87.5°	24.6	24.6	24.6	27.4	32.8	35.6	30.1	27.4	24.6	24.6	24.6
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)