

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: P507678

Luminaire Tested: **VERD-S-CA1-70-727-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507678
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-CA1-70-727-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2700K, 1330mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8716 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

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

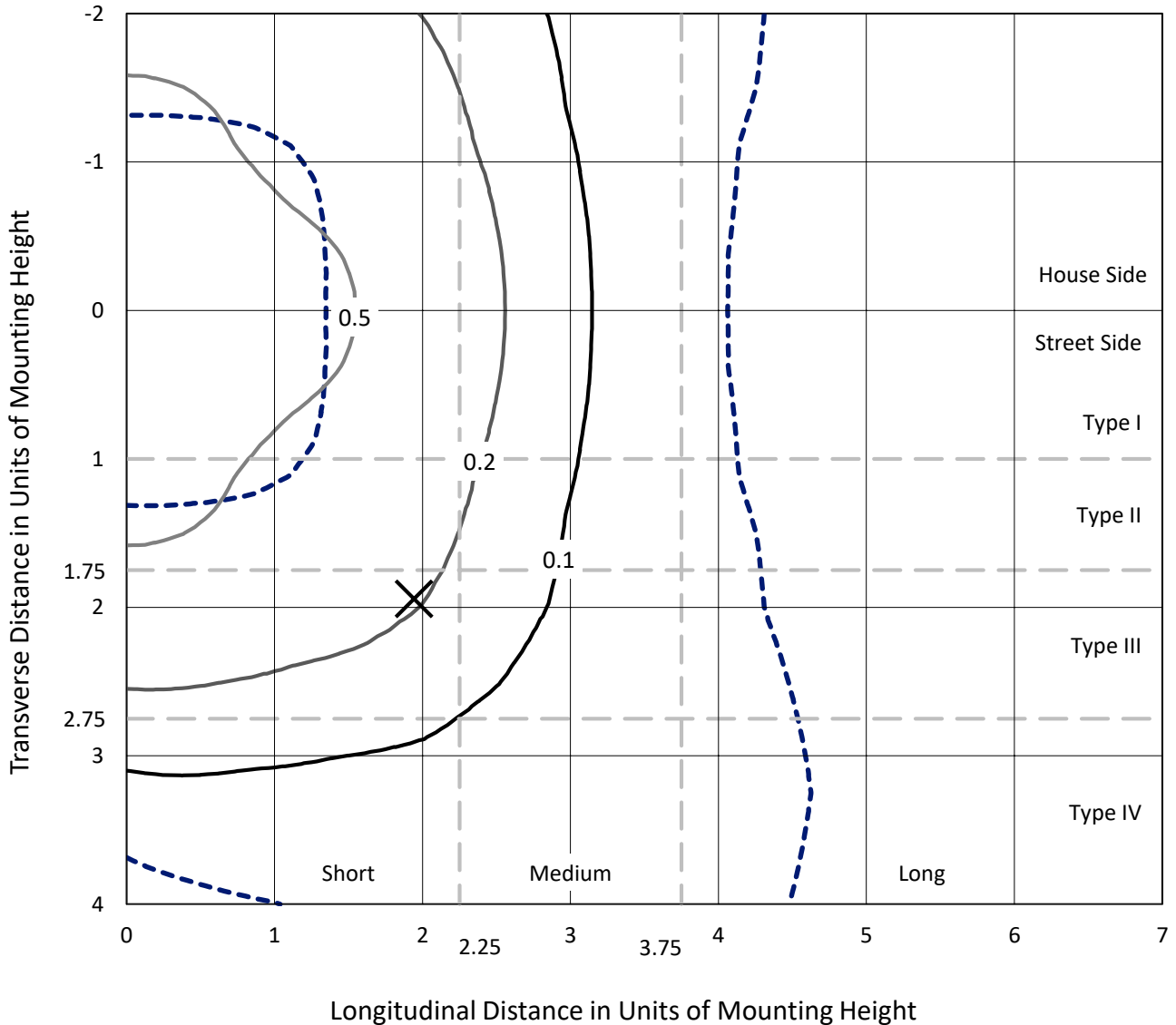


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Iso-Footcandle Lines of Horizontal Illumination

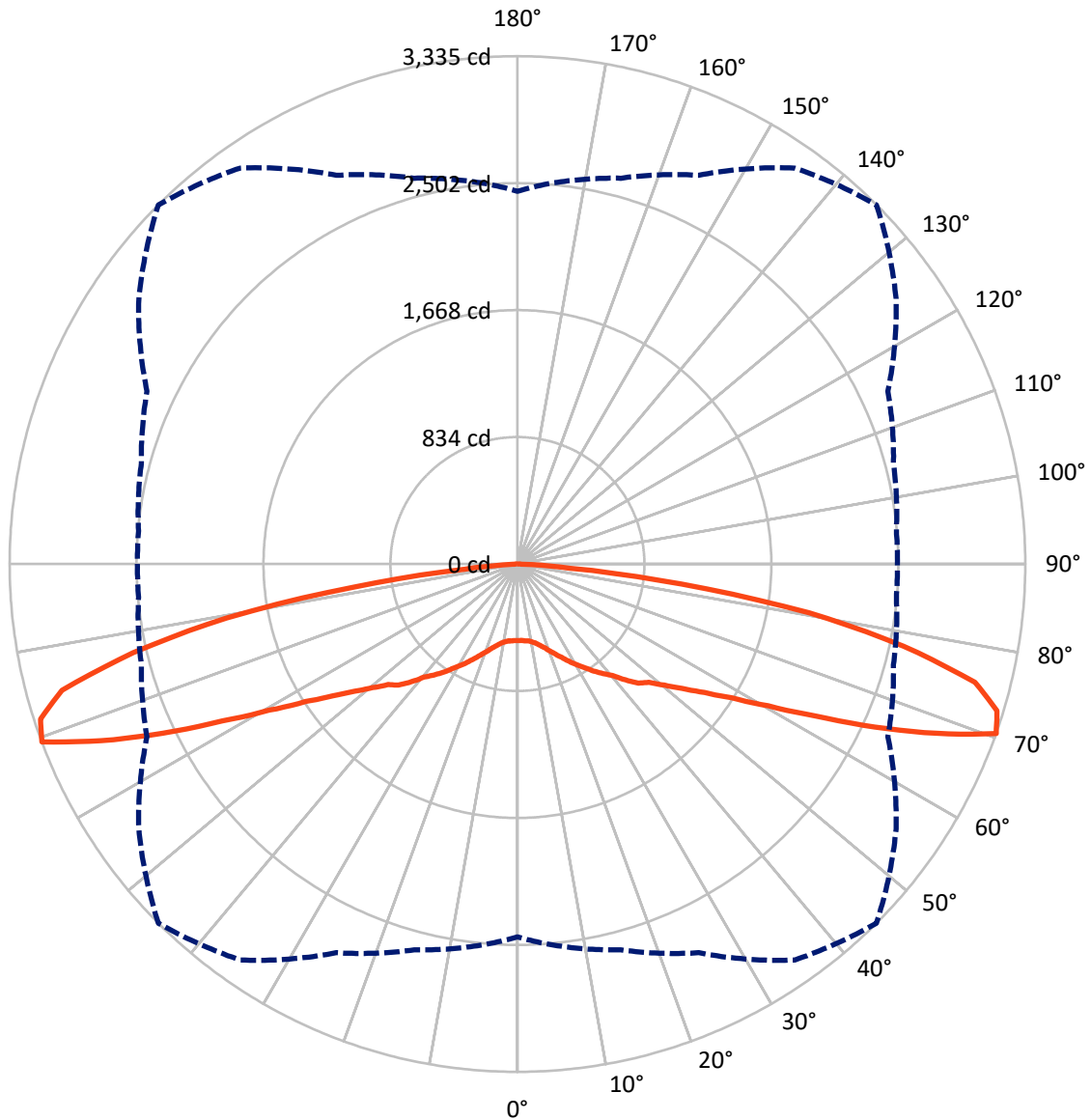
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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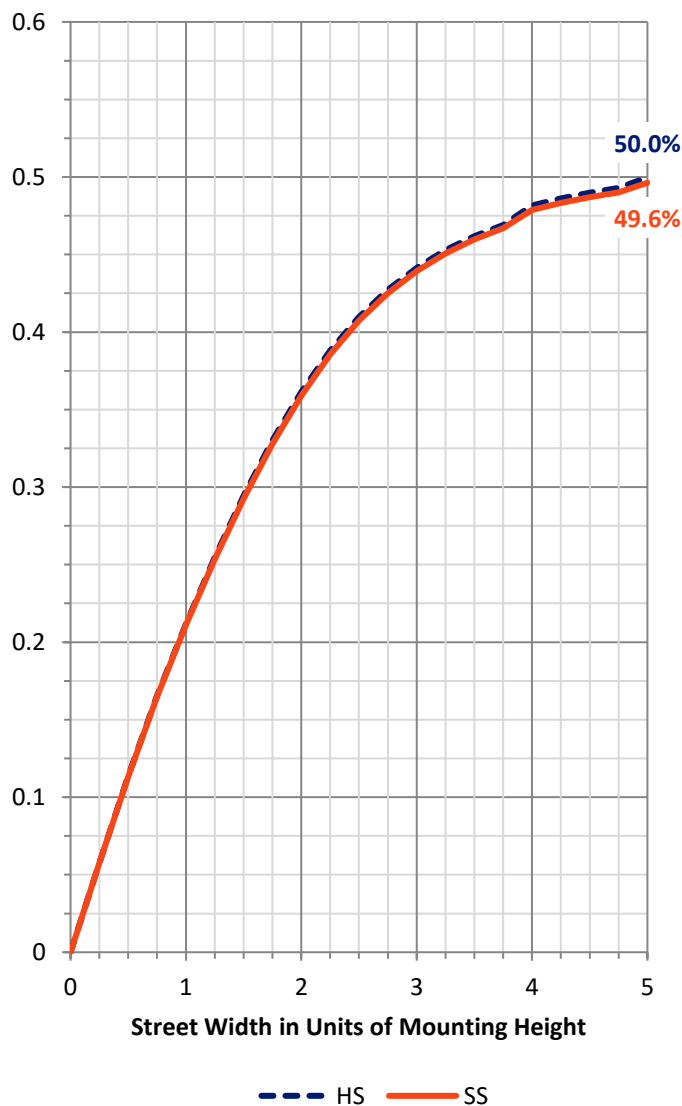
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4358.0	0.0	4358.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4358.0	0.0	4358.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8716.0	0.0	8716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	0.6
10°-20°	157.4	1.8
20°-30°	312.1	3.6
30°-40°	543.2	6.2
40°-50°	889.9	10.2
50°-60°	1513.1	17.4
60°-70°	2515.2	28.9
70°-80°	2346.2	26.9
80°-90°	390.3	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°	8716.0	100.0
0°-180°	8716.0	100.0

Coefficient of Utilization



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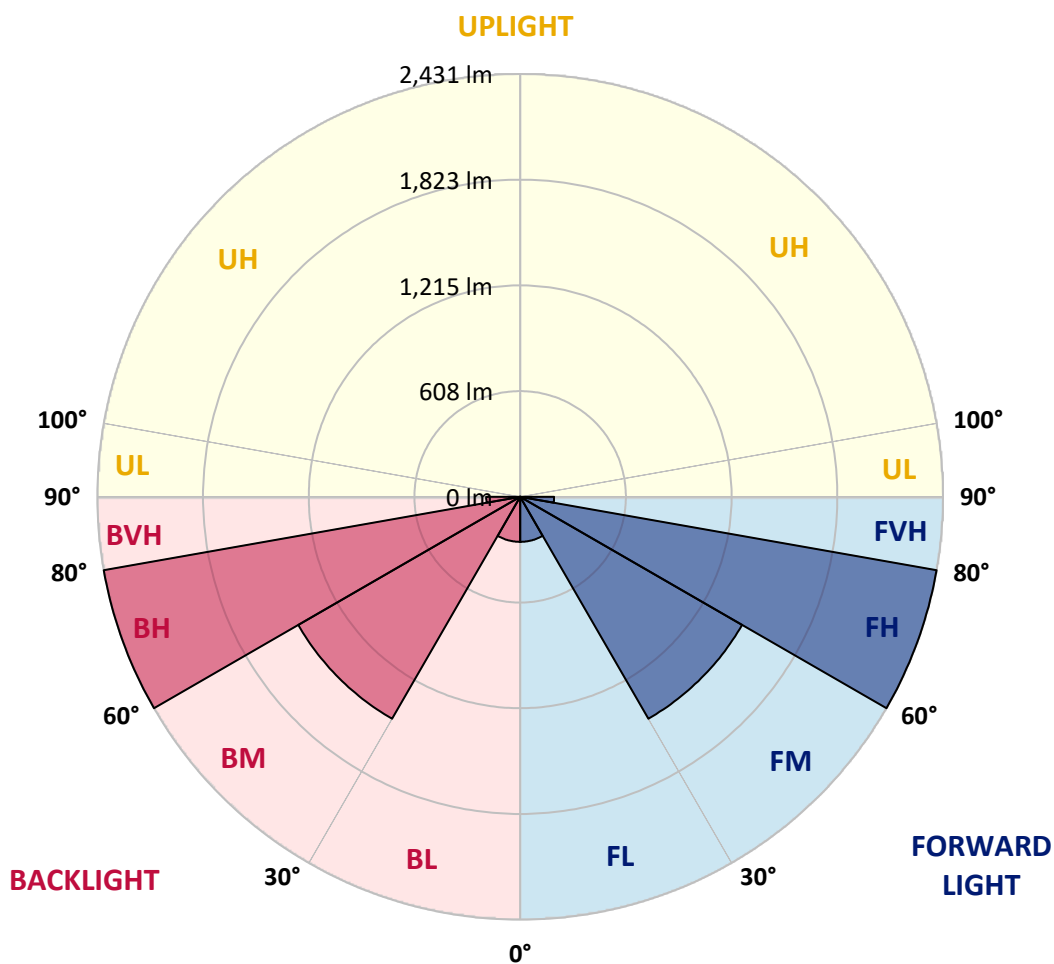
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.1	3.0			
FM	(30°-60°)	1473.0	16.9			
FH	(60°-80°)	2430.7	27.9			G2/5000
FVH	(80°-90°)	195.2	2.2			G2/225
BL	(0°-30°)	259.1	3.0	B1/500		
BM	(30°-60°)	1473.0	16.9	B2/2500		
BH	(60°-80°)	2430.7	27.9	B3/2500		G2/5000
BVH	(80°-90°)	195.2	2.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	502.4	502.4	502.4	502.4	502.4	502.4	502.4	502.4	502.4	502.4	502.4
2.5°	502.4	502.4	502.4	502.4	502.4	502.4	502.4	504.8	504.8	504.8	504.8
5°	507.2	507.2	504.8	504.8	504.8	507.2	507.2	507.2	507.2	509.5	509.5
7.5°	509.5	509.5	509.5	509.5	509.5	509.5	509.5	509.5	511.9	511.9	511.9
10°	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0
12.5°	528.4	528.4	530.7	530.7	533.1	533.1	530.7	530.7	528.4	526.0	526.0
15°	544.9	544.9	547.3	549.6	554.3	554.3	552.0	549.6	544.9	542.5	542.5
17.5°	561.4	561.4	563.8	568.5	575.6	577.9	573.2	568.5	563.8	561.4	561.4
20°	585.0	587.4	589.7	594.4	606.2	610.9	603.9	594.4	592.1	592.1	592.1
22.5°	620.4	620.4	620.4	627.5	636.9	644.0	634.5	629.8	625.1	625.1	625.1
25°	658.1	658.1	658.1	660.5	674.6	681.7	672.3	665.2	662.8	665.2	665.2
27.5°	700.6	700.6	700.6	700.6	712.4	724.2	712.4	705.3	707.7	707.7	707.7
30°	745.4	745.4	747.8	747.8	752.5	766.6	754.8	752.5	754.8	757.2	757.2
32.5°	797.3	799.7	797.3	797.3	802.0	811.5	804.4	804.4	809.1	813.8	813.8
35°	851.6	851.6	851.6	851.6	853.9	863.3	858.6	858.6	865.7	872.8	872.8
37.5°	910.5	912.9	905.8	903.4	908.2	912.9	910.5	915.2	927.0	936.5	938.8
40°	974.2	974.2	967.1	960.1	960.1	962.4	967.1	976.6	993.1	1004.9	1007.2
42.5°	1054.4	1061.5	1049.7	1040.3	1035.5	1040.3	1045.0	1061.5	1078.0	1087.4	1087.4
45°	1160.6	1162.9	1148.8	1132.3	1120.5	1115.7	1122.8	1139.3	1158.2	1177.1	1177.1
47.5°	1290.3	1285.6	1254.9	1205.4	1170.0	1160.6	1172.4	1210.1	1254.9	1283.2	1287.9
50°	1453.1	1448.3	1401.2	1328.0	1264.4	1250.2	1257.3	1313.9	1379.9	1422.4	1429.5
52.5°	1646.5	1634.7	1582.8	1486.1	1389.4	1356.4	1372.9	1448.3	1533.3	1587.5	1594.6
55°	1844.6	1837.6	1783.3	1674.8	1552.1	1490.8	1512.0	1613.5	1719.6	1776.2	1780.9
57.5°	2038.1	2040.4	1990.9	1891.8	1747.9	1658.3	1686.6	1806.9	1927.2	1983.8	1983.8
60°	2222.1	2219.7	2184.3	2106.5	1995.6	1891.8	1927.2	2026.3	2132.4	2184.3	2189.0
62.5°	2399.0	2396.6	2384.8	2335.3	2271.6	2196.1	2198.5	2264.5	2349.4	2387.2	2394.3
65°	2627.8	2623.1	2606.6	2575.9	2585.3	2580.6	2502.8	2519.3	2599.5	2641.9	2644.3
67.5°	2644.3	2672.6	2726.9	2818.9	2950.9	2969.8	2870.7	2722.1	2682.0	2658.4	2656.1
70°	2448.5	2509.8	2623.1	2816.5	3175.0	3335.4	3035.9	2684.4	2557.0	2498.0	2495.7
72.5°	2104.1	2231.5	2380.1	2689.1	3189.2	3293.0	3052.4	2545.2	2340.0	2243.3	2229.1
75°	1630.0	1752.6	2000.3	2424.9	3000.5	3104.3	2868.4	2283.4	2019.2	1924.8	1896.5
77.5°	1002.5	1148.8	1410.6	1896.5	2483.9	2590.0	2401.3	1821.0	1538.0	1389.4	1396.5
80°	488.3	632.2	851.6	1280.9	1785.7	1941.4	1651.2	1174.7	936.5	832.7	823.2
82.5°	212.3	287.8	410.4	641.6	1014.3	1085.1	839.8	580.3	462.3	412.8	408.1
85°	30.7	42.5	106.1	191.1	306.7	344.4	198.1	120.3	92.0	82.6	75.5
87.5°	21.2	21.2	21.2	23.6	28.3	30.7	25.9	23.6	21.2	21.2	21.2
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)