

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: P507606

Luminaire Tested: **VERD-S-CA1-50-750-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507606
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-CA1-50-750-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 940mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7883 lumens
Efficiency: N/A
Efficacy: 147.3 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

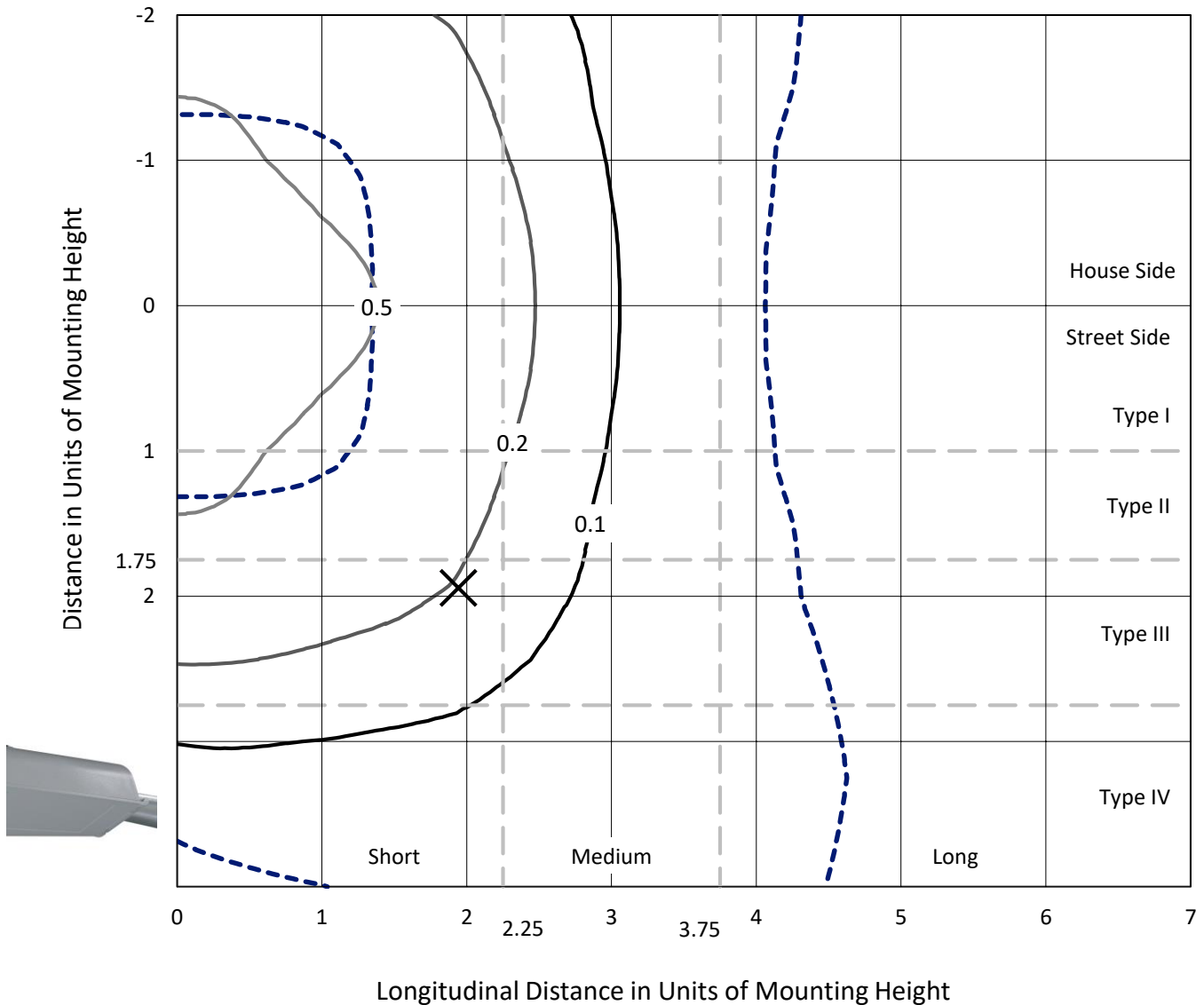
Input Watts (W): 53.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

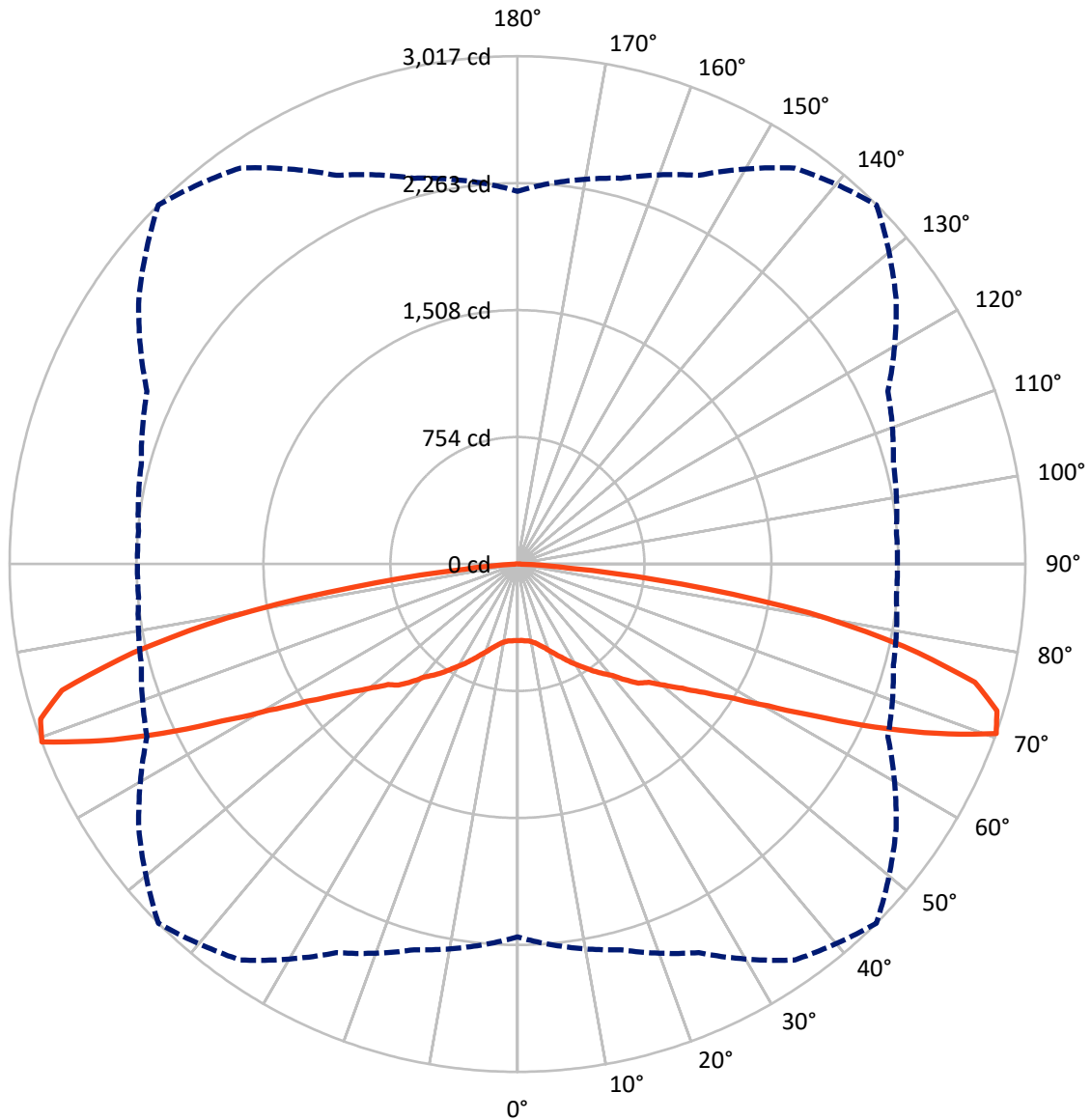
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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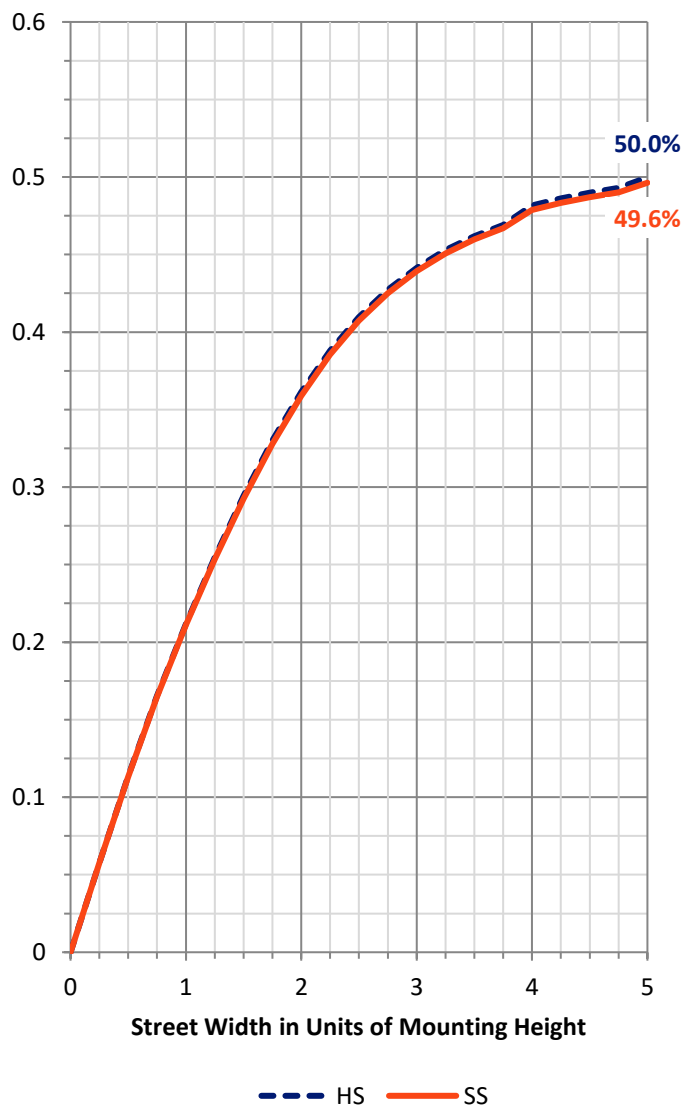
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3941.5	0.0	3941.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3941.5	0.0	3941.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7883.0	0.0	7883.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	0.6
10°-20°	142.3	1.8
20°-30°	282.3	3.6
30°-40°	491.2	6.2
40°-50°	804.8	10.2
50°-60°	1368.5	17.4
60°-70°	2274.8	28.9
70°-80°	2122.0	26.9
80°-90°	353.0	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°	7883.0	100.0
0°-180°	7883.0	100.0

Coefficient of Utilization



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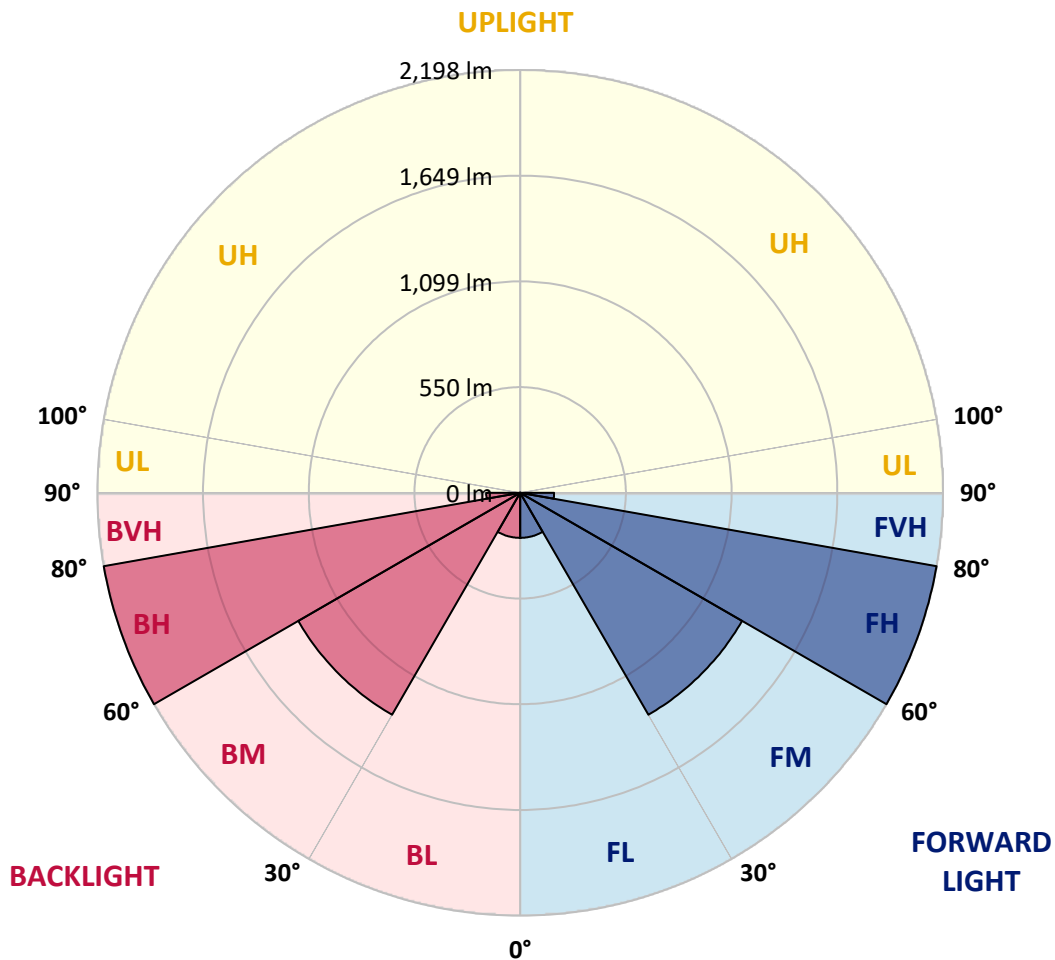
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.3	3.0			
FM (30°-60°)	1332.3	16.9			
FH (60°-80°)	2198.4	27.9			G2/5000
FVH (80°-90°)	176.5	2.2			G2/225
BL (0°-30°)	234.3	3.0	B1/500		
BM (30°-60°)	1332.3	16.9	B2/2500		
BH (60°-80°)	2198.4	27.9	B3/2500		G2/5000
BVH (80°-90°)	176.5	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°	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4
2.5°	454.4	454.4	454.4	454.4	454.4	454.4	454.4	456.6	456.6	456.6	456.6
5°	458.7	458.7	456.6	456.6	456.6	458.7	458.7	458.7	458.7	460.8	460.8
7.5°	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8	463.0	463.0	463.0
10°	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4
12.5°	477.9	477.9	480.0	480.0	482.2	482.2	480.0	480.0	477.9	475.8	475.8
15°	492.8	492.8	495.0	497.1	501.4	501.4	499.2	497.1	492.8	490.7	490.7
17.5°	507.8	507.8	509.9	514.2	520.6	522.7	518.4	514.2	509.9	507.8	507.8
20°	529.1	531.2	533.4	537.6	548.3	552.6	546.2	537.6	535.5	535.5	535.5
22.5°	561.1	561.1	561.1	567.5	576.0	582.4	573.9	569.6	565.4	565.4	565.4
25°	595.2	595.2	595.2	597.4	610.2	616.6	608.0	601.6	599.5	601.6	601.6
27.5°	633.6	633.6	633.6	633.6	644.3	655.0	644.3	637.9	640.0	640.0	640.0
30°	674.2	674.2	676.3	676.3	680.6	693.4	682.7	680.6	682.7	684.8	684.8
32.5°	721.1	723.2	721.1	721.1	725.4	733.9	727.5	727.5	731.8	736.0	736.0
35°	770.2	770.2	770.2	770.2	772.3	780.8	776.6	776.6	783.0	789.4	789.4
37.5°	823.5	825.6	819.2	817.1	821.4	825.6	823.5	827.8	838.4	847.0	849.1
40°	881.1	881.1	874.7	868.3	868.3	870.4	874.7	883.2	898.2	908.8	911.0
42.5°	953.6	960.0	949.4	940.8	936.6	940.8	945.1	960.0	975.0	983.5	983.5
45°	1049.6	1051.8	1039.0	1024.0	1013.4	1009.1	1015.5	1030.4	1047.5	1064.6	1064.6
47.5°	1167.0	1162.7	1135.0	1090.2	1058.2	1049.6	1060.3	1094.5	1135.0	1160.6	1164.9
50°	1314.2	1309.9	1267.3	1201.1	1143.5	1130.7	1137.1	1188.3	1248.1	1286.5	1292.9
52.5°	1489.1	1478.5	1431.5	1344.1	1256.6	1226.7	1241.7	1309.9	1386.7	1435.8	1442.2
55°	1668.3	1661.9	1612.9	1514.7	1403.8	1348.3	1367.5	1459.3	1555.3	1606.5	1610.7
57.5°	1843.3	1845.4	1800.6	1711.0	1580.9	1499.8	1525.4	1634.2	1743.0	1794.2	1794.2
60°	2009.7	2007.6	1975.6	1905.2	1804.9	1711.0	1743.0	1832.6	1928.6	1975.6	1979.8
62.5°	2169.7	2167.6	2156.9	2112.1	2054.5	1986.2	1988.4	2048.1	2124.9	2159.0	2165.4
65°	2376.6	2372.4	2357.4	2329.7	2338.2	2334.0	2263.6	2278.5	2351.0	2389.4	2391.6
67.5°	2391.6	2417.2	2466.2	2549.5	2668.9	2686.0	2596.4	2462.0	2425.7	2404.4	2402.2
70°	2214.5	2270.0	2372.4	2547.3	2871.6	3016.7	2745.7	2427.8	2312.6	2259.3	2257.2
72.5°	1903.0	2018.2	2152.6	2432.1	2884.4	2978.3	2760.7	2302.0	2116.4	2028.9	2016.1
75°	1474.2	1585.1	1809.2	2193.2	2713.7	2807.6	2594.3	2065.2	1826.2	1740.9	1715.3
77.5°	906.7	1039.0	1275.8	1715.3	2246.5	2342.5	2171.8	1647.0	1391.0	1256.6	1263.0
80°	441.6	571.8	770.2	1158.5	1615.0	1755.8	1493.4	1062.4	847.0	753.1	744.6
82.5°	192.0	260.3	371.2	580.3	917.4	981.4	759.5	524.8	418.2	373.4	369.1
85°	27.7	38.4	96.0	172.8	277.3	311.5	179.2	108.8	83.2	74.7	68.3
87.5°	19.2	19.2	19.2	21.3	25.6	27.7	23.5	21.3	19.2	19.2	19.2
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)