

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: P507582

Luminaire Tested: **VERD-S-CA1-50-727-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507582
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-CA1-50-727-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2700K, 940mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6555 lumens
Efficiency: N/A
Efficacy: 122.5 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

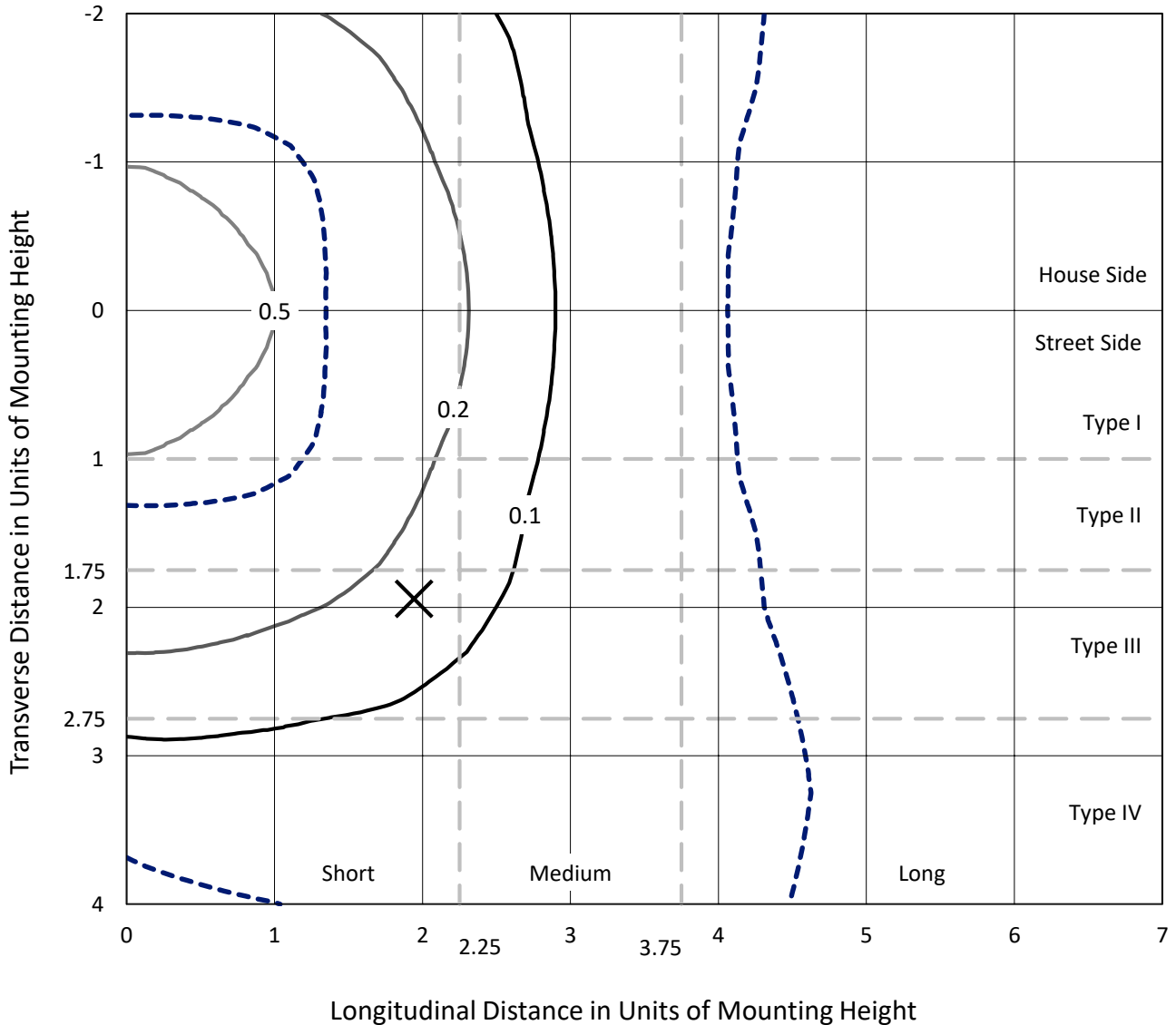


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Iso-Footcandle Lines of Horizontal Illumination

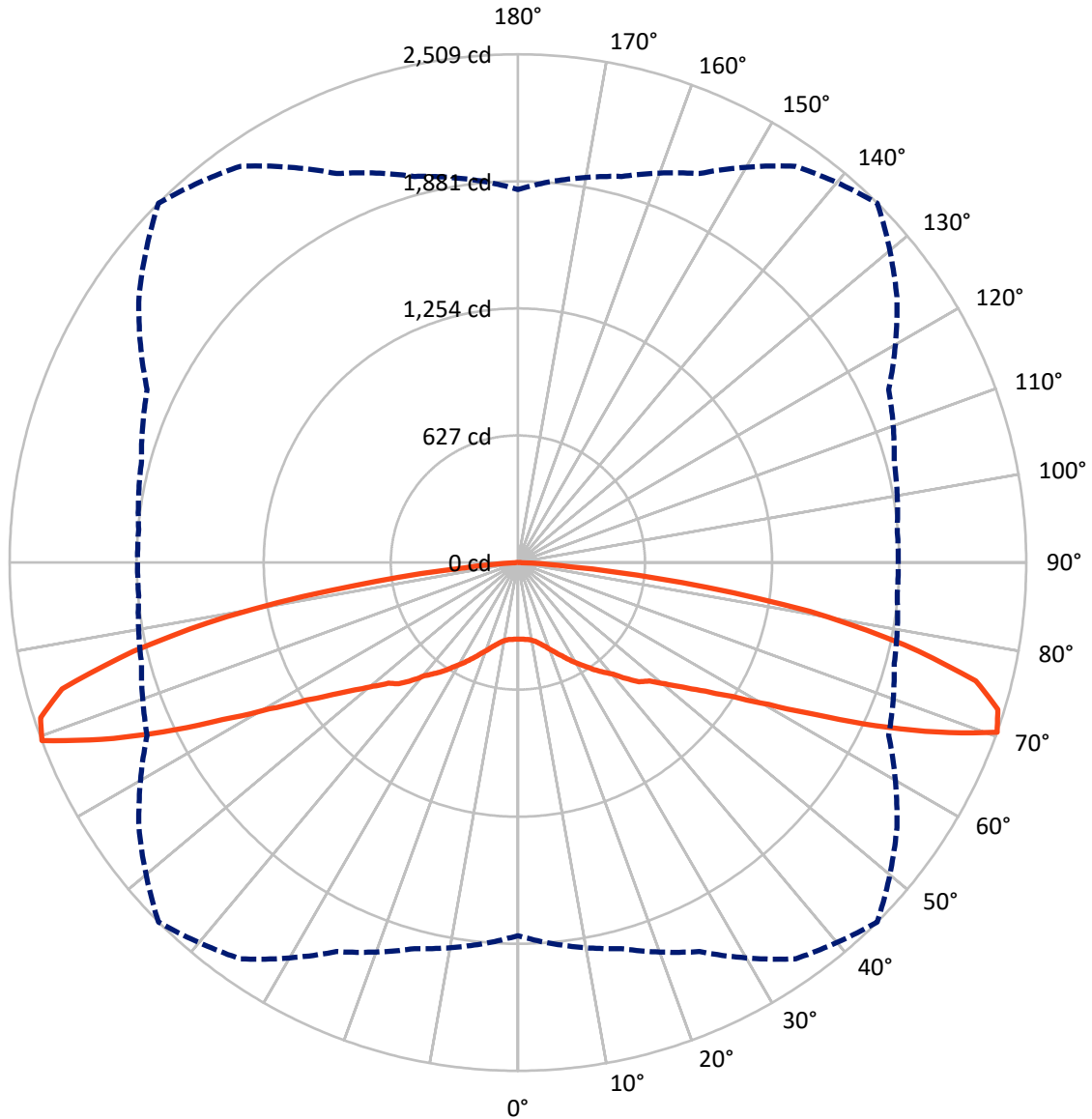
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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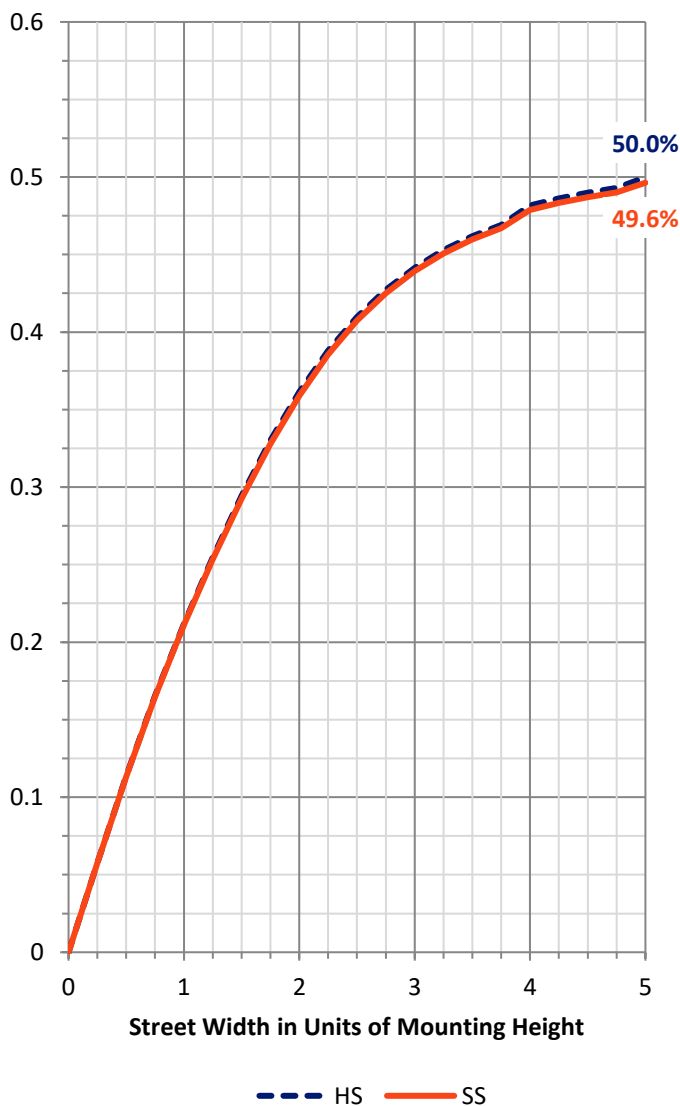
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3277.5	0.0	3277.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3277.5	0.0	3277.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6555.0	0.0	6555.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	0.6
10°-20°	118.4	1.8
20°-30°	234.7	3.6
30°-40°	408.5	6.2
40°-50°	669.2	10.2
50°-60°	1137.9	17.4
60°-70°	1891.6	28.9
70°-80°	1764.5	26.9
80°-90°	293.5	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°	6555.0	100.0
0°-180°	6555.0	100.0

Coefficient of Utilization



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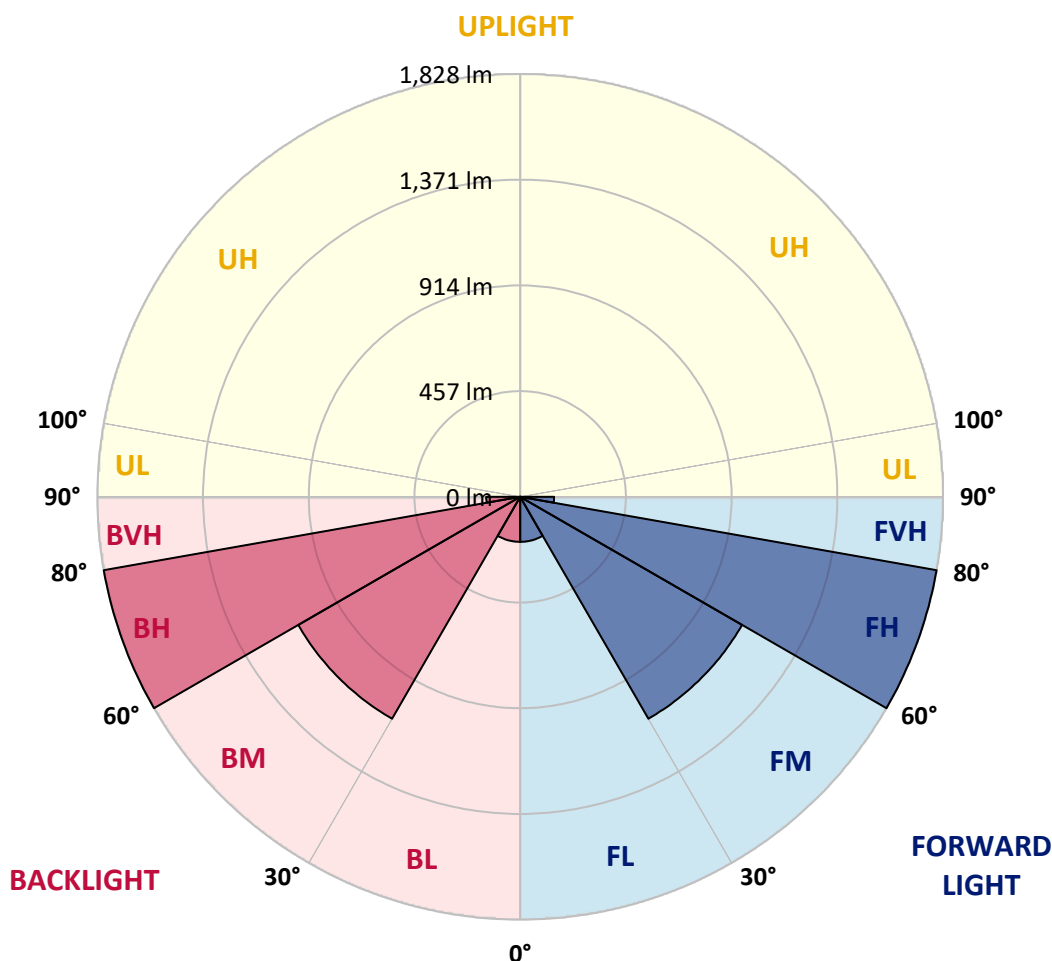
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.8	3.0			
FM (30°-60°)	1107.8	16.9			
FH (60°-80°)	1828.1	27.9			G2/5000
FVH (80°-90°)	146.8	2.2			G2/225
BL (0°-30°)	194.8	3.0	B1/500		
BM (30°-60°)	1107.8	16.9	B2/2500		
BH (60°-80°)	1828.1	27.9	B3/2500		G2/5000
BVH (80°-90°)	146.8	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°	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9
2.5°	377.9	377.9	377.9	377.9	377.9	377.9	377.9	379.6	379.6	379.6	379.6
5°	381.4	381.4	379.6	379.6	379.6	381.4	381.4	381.4	381.4	383.2	383.2
7.5°	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	385.0	385.0	385.0
10°	390.3	390.3	390.3	390.3	390.3	390.3	390.3	390.3	390.3	390.3	390.3
12.5°	397.4	397.4	399.2	399.2	400.9	400.9	399.2	399.2	397.4	395.6	395.6
15°	409.8	409.8	411.6	413.3	416.9	416.9	415.1	413.3	409.8	408.0	408.0
17.5°	422.2	422.2	424.0	427.5	432.9	434.6	431.1	427.5	424.0	422.2	422.2
20°	440.0	441.7	443.5	447.1	455.9	459.5	454.2	447.1	445.3	445.3	445.3
22.5°	466.6	466.6	466.6	471.9	479.0	484.3	477.2	473.7	470.1	470.1	470.1
25°	495.0	495.0	495.0	496.7	507.4	512.7	505.6	500.3	498.5	500.3	500.3
27.5°	526.9	526.9	526.9	526.9	535.8	544.6	535.8	530.4	532.2	532.2	532.2
30°	560.6	560.6	562.4	562.4	565.9	576.6	567.7	565.9	567.7	569.5	569.5
32.5°	599.6	601.4	599.6	599.6	603.2	610.3	604.9	604.9	608.5	612.0	612.0
35°	640.4	640.4	640.4	640.4	642.2	649.3	645.7	645.7	651.1	656.4	656.4
37.5°	684.8	686.5	681.2	679.5	683.0	686.5	684.8	688.3	697.2	704.3	706.1
40°	732.7	732.7	727.4	722.0	722.0	723.8	727.4	734.4	746.9	755.7	757.5
42.5°	793.0	798.3	789.4	782.3	778.8	782.3	785.9	798.3	810.7	817.8	817.8
45°	872.8	874.6	864.0	851.5	842.7	839.1	844.4	856.9	871.0	885.2	885.2
47.5°	970.4	966.8	943.8	906.5	879.9	872.8	881.7	910.1	943.8	965.1	968.6
50°	1092.8	1089.3	1053.8	998.8	950.9	940.2	945.6	988.1	1037.8	1069.7	1075.1
52.5°	1238.3	1229.4	1190.4	1117.6	1044.9	1020.1	1032.5	1089.3	1153.1	1193.9	1199.2
55°	1387.3	1382.0	1341.2	1259.6	1167.3	1121.2	1137.2	1213.4	1293.3	1335.8	1339.4
57.5°	1532.8	1534.5	1497.3	1422.8	1314.6	1247.1	1268.4	1358.9	1449.4	1492.0	1492.0
60°	1671.1	1669.4	1642.7	1584.2	1500.8	1422.8	1449.4	1523.9	1603.7	1642.7	1646.3
62.5°	1804.2	1802.4	1793.5	1756.3	1708.4	1651.6	1653.4	1703.1	1766.9	1795.3	1800.6
65°	1976.3	1972.7	1960.3	1937.2	1944.3	1940.8	1882.2	1894.7	1955.0	1986.9	1988.7
67.5°	1988.7	2010.0	2050.8	2120.0	2219.3	2233.5	2159.0	2047.2	2017.1	1999.3	1997.6
70°	1841.4	1887.6	1972.7	2118.2	2387.8	2508.5	2283.2	2018.8	1923.0	1878.7	1876.9
72.5°	1582.4	1678.2	1790.0	2022.4	2398.5	2476.5	2295.6	1914.2	1759.8	1687.1	1676.5
75°	1225.9	1318.1	1504.4	1823.7	2256.6	2334.6	2157.2	1717.3	1518.6	1447.6	1426.3
77.5°	754.0	864.0	1060.9	1426.3	1868.0	1947.9	1806.0	1369.5	1156.7	1044.9	1050.2
80°	367.2	475.4	640.4	963.3	1342.9	1460.0	1241.8	883.5	704.3	626.2	619.1
82.5°	159.7	216.4	308.7	482.5	762.8	816.1	631.6	436.4	347.7	310.5	306.9
85°	23.1	31.9	79.8	143.7	230.6	259.0	149.0	90.5	69.2	62.1	56.8
87.5°	16.0	16.0	16.0	17.7	21.3	23.1	19.5	17.7	16.0	16.0	16.0
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)