

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: P507622

Luminaire Tested: **VERD-S-CA1-60-722-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507622
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-CA1-60-722-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1150mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7409 lumens
Efficiency: N/A
Efficacy: 117.0 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): 63.3
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

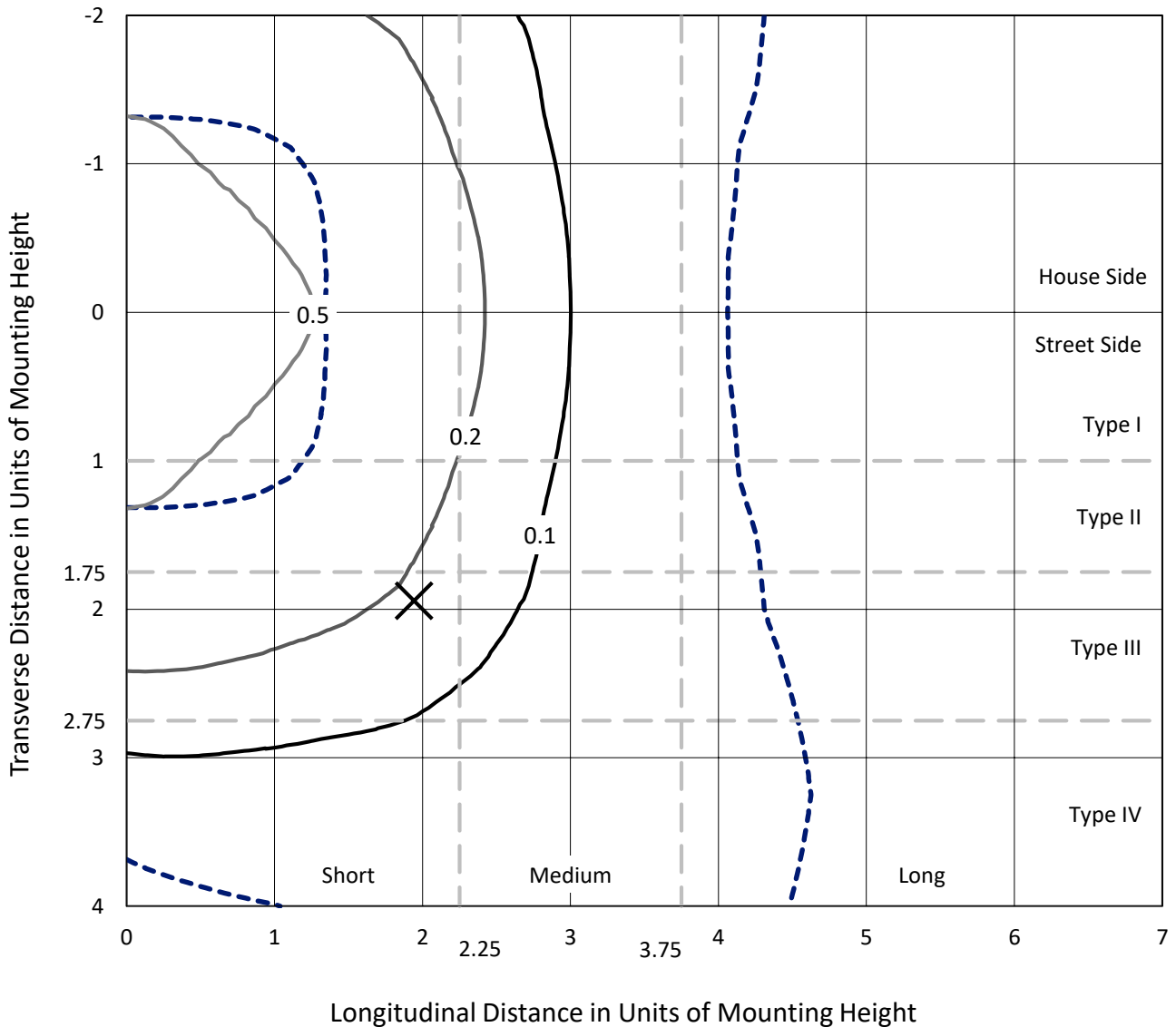


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Iso-Footcandle Lines of Horizontal Illumination

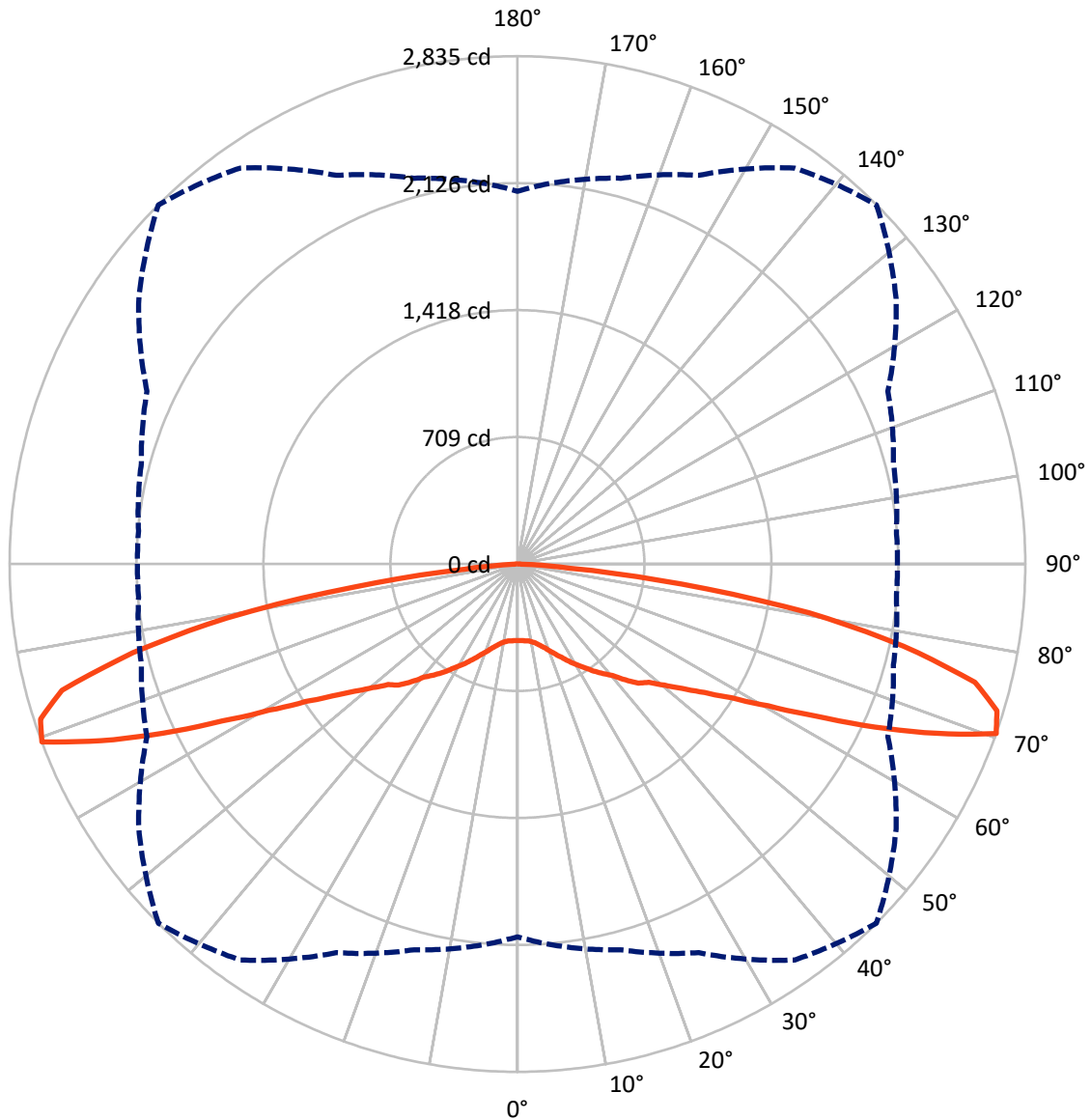
× Max cd
 - - - 1/2 Max cd



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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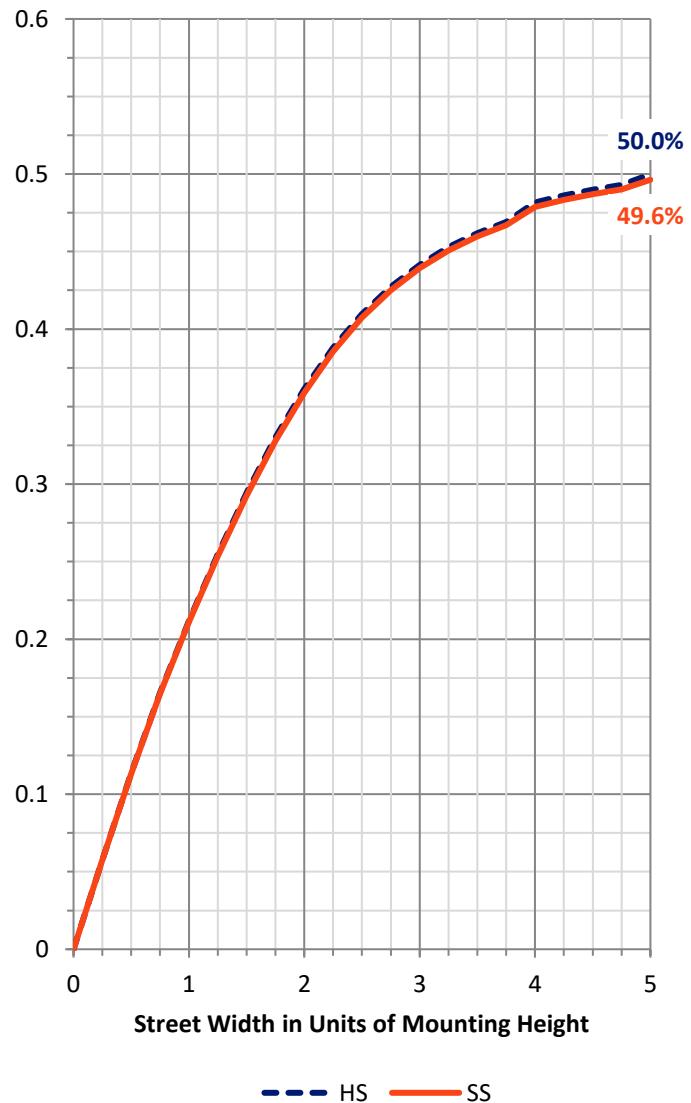
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3704.5	0.0	3704.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3704.5	0.0	3704.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7409.0	0.0	7409.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	0.6
10°-20°	133.8	1.8
20°-30°	265.3	3.6
30°-40°	461.7	6.2
40°-50°	756.4	10.2
50°-60°	1286.2	17.4
60°-70°	2138.0	28.9
70°-80°	1994.4	26.9
80°-90°	331.8	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°	7409.0	100.0
0°-180°	7409.0	100.0



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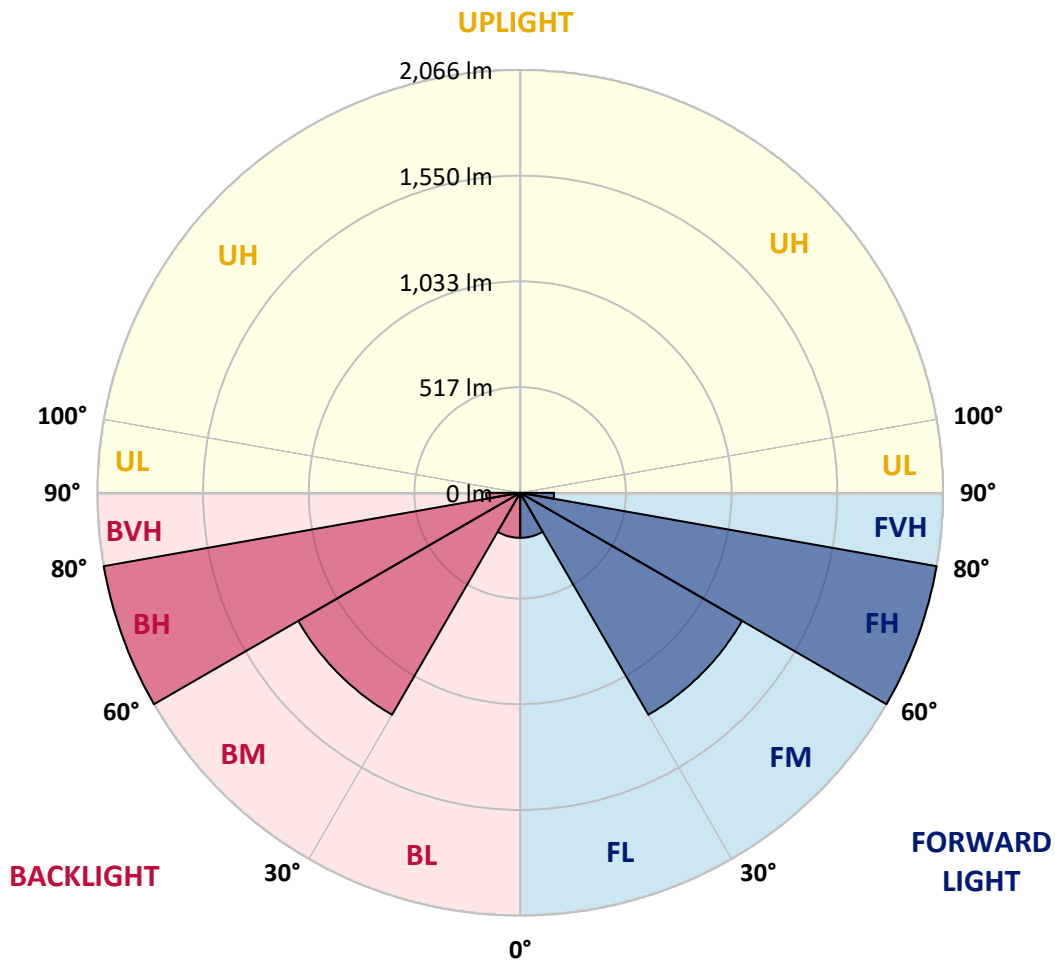
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.2	3.0			
FM (30°-60°)	1252.2	16.9			
FH (60°-80°)	2066.2	27.9			G2/5000
FVH (80°-90°)	165.9	2.2			G2/225
BL (0°-30°)	220.2	3.0	B1/500		
BM (30°-60°)	1252.2	16.9	B2/2500		
BH (60°-80°)	2066.2	27.9	B3/2500		G2/5000
BVH (80°-90°)	165.9	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°	427.1	427.1	427.1	427.1	427.1	427.1	427.1	427.1	427.1	427.1	427.1
2.5°	427.1	427.1	427.1	427.1	427.1	427.1	427.1	429.1	429.1	429.1	429.1
5°	431.1	431.1	429.1	429.1	429.1	431.1	431.1	431.1	431.1	433.1	433.1
7.5°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	435.1	435.1	435.1
10°	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1
12.5°	449.2	449.2	451.2	451.2	453.2	453.2	451.2	451.2	449.2	447.1	447.1
15°	463.2	463.2	465.2	467.2	471.2	471.2	469.2	467.2	463.2	461.2	461.2
17.5°	477.2	477.2	479.2	483.2	489.3	491.3	487.3	483.2	479.2	477.2	477.2
20°	497.3	499.3	501.3	505.3	515.3	519.3	513.3	505.3	503.3	503.3	503.3
22.5°	527.4	527.4	527.4	533.4	541.4	547.4	539.4	535.4	531.4	531.4	531.4
25°	559.4	559.4	559.4	561.4	573.5	579.5	571.5	565.5	563.4	565.5	565.5
27.5°	595.5	595.5	595.5	595.5	605.6	615.6	605.6	599.5	601.5	601.5	601.5
30°	633.6	633.6	635.6	635.6	639.6	651.7	641.6	639.6	641.6	643.7	643.7
32.5°	677.7	679.7	677.7	677.7	681.8	689.8	683.8	683.8	687.8	691.8	691.8
35°	723.9	723.9	723.9	723.9	725.9	733.9	729.9	729.9	735.9	741.9	741.9
37.5°	774.0	776.0	770.0	768.0	772.0	776.0	774.0	778.0	788.0	796.0	798.0
40°	828.1	828.1	822.1	816.1	816.1	818.1	822.1	830.1	844.2	854.2	856.2
42.5°	896.3	902.3	892.3	884.3	880.3	884.3	888.3	902.3	916.4	924.4	924.4
45°	986.5	988.5	976.5	962.5	952.4	948.4	954.5	968.5	984.5	1000.6	1000.6
47.5°	1096.8	1092.8	1066.7	1024.6	994.6	986.5	996.6	1028.6	1066.7	1090.8	1094.8
50°	1235.2	1231.2	1191.1	1128.9	1074.8	1062.7	1068.7	1116.9	1173.0	1209.1	1215.1
52.5°	1399.6	1389.6	1345.5	1263.2	1181.0	1153.0	1167.0	1231.2	1303.3	1349.5	1355.5
55°	1568.0	1562.0	1515.9	1423.7	1319.4	1267.3	1285.3	1371.5	1461.8	1509.9	1513.9
57.5°	1732.4	1734.5	1692.3	1608.1	1485.8	1409.6	1433.7	1535.9	1638.2	1686.3	1686.3
60°	1888.9	1886.8	1856.8	1790.6	1696.4	1608.1	1638.2	1722.4	1812.7	1856.8	1860.8
62.5°	2039.2	2037.2	2027.2	1985.1	1931.0	1866.8	1868.8	1924.9	1997.1	2029.2	2035.2
65°	2233.7	2229.7	2215.7	2189.6	2197.6	2193.6	2127.5	2141.5	2209.7	2245.8	2247.8
67.5°	2247.8	2271.8	2318.0	2396.2	2508.4	2524.5	2440.3	2313.9	2279.9	2259.8	2257.8
70°	2081.3	2133.5	2229.7	2394.1	2698.9	2835.3	2580.6	2281.9	2173.6	2123.5	2121.4
72.5°	1788.6	1896.9	2023.2	2285.9	2711.0	2799.2	2594.7	2163.6	1989.1	1906.9	1894.9
75°	1385.6	1489.8	1700.4	2061.3	2550.6	2638.8	2438.3	1941.0	1716.4	1636.2	1612.1
77.5°	852.2	976.5	1199.1	1612.1	2111.4	2201.7	2041.2	1548.0	1307.4	1181.0	1187.0
80°	415.1	537.4	723.9	1088.8	1517.9	1650.2	1403.6	998.6	796.0	707.8	699.8
82.5°	180.5	244.6	348.9	545.4	862.2	922.4	713.8	493.3	393.0	350.9	346.9
85°	26.1	36.1	90.2	162.4	260.7	292.8	168.4	102.3	78.2	70.2	64.2
87.5°	18.0	18.0	18.0	20.1	24.1	26.1	22.1	20.1	18.0	18.0	18.0
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)