

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: P507566

Luminaire Tested: **VERD-S-CA1-40-760-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507566
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-CA1-40-760-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 760mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6341 lumens
Efficiency: N/A
Efficacy: 146.1 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): 43.4
Input Voltage (V): NR
Input Current (A_{in}): 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

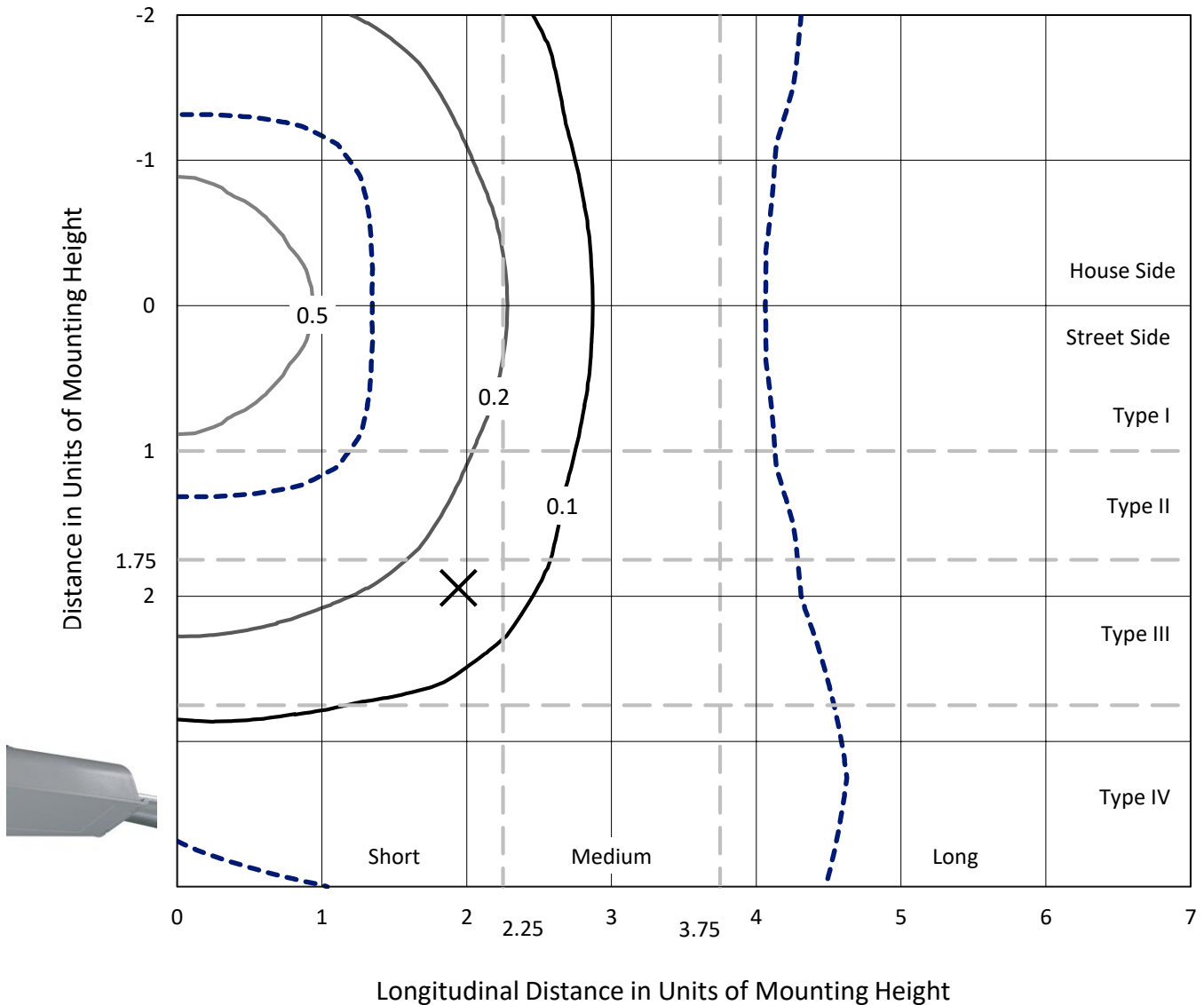


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Iso-Footcandle Lines of Horizontal Illumination

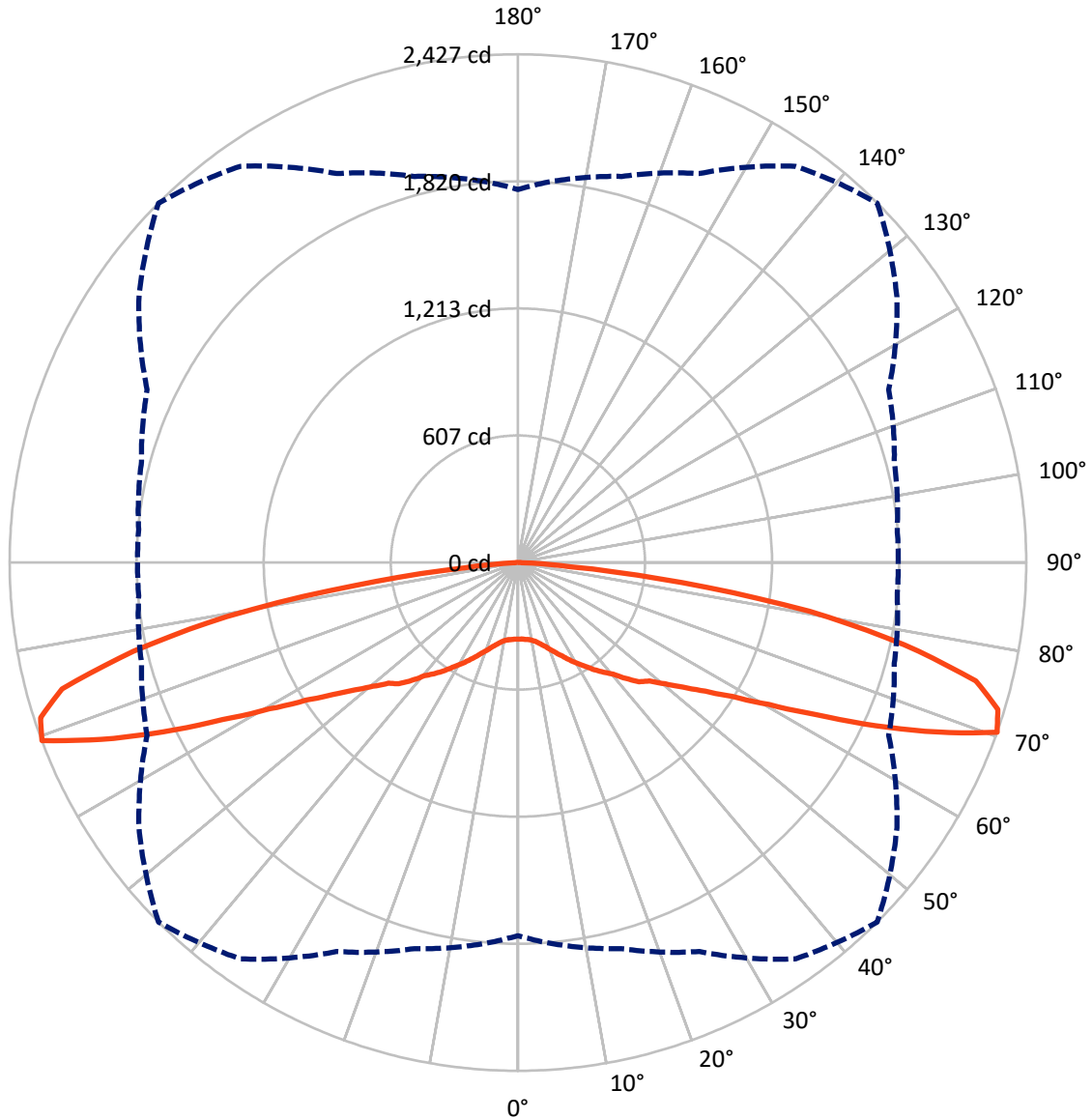
× Max cd
 - - - 1/2 Max cd



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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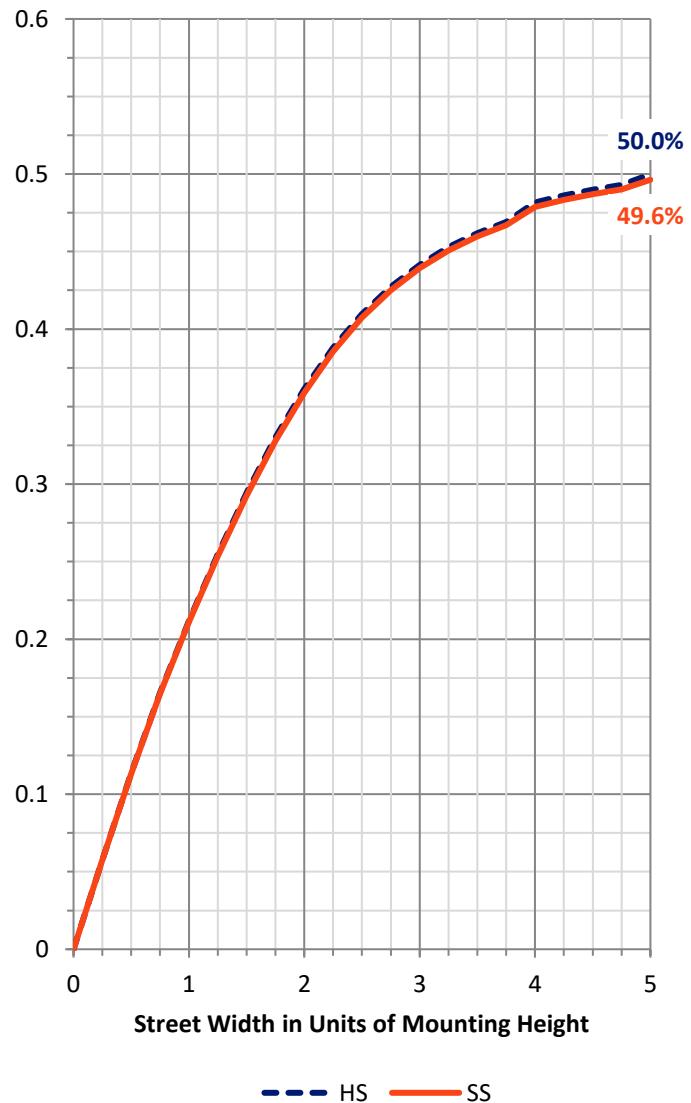
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3170.5	0.0	3170.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3170.5	0.0	3170.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6341.0	0.0	6341.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	0.6
10°-20°	114.5	1.8
20°-30°	227.1	3.6
30°-40°	395.2	6.2
40°-50°	647.4	10.2
50°-60°	1100.8	17.4
60°-70°	1829.8	28.9
70°-80°	1706.9	26.9
80°-90°	283.9	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°	6341.0	100.0
0°-180°	6341.0	100.0



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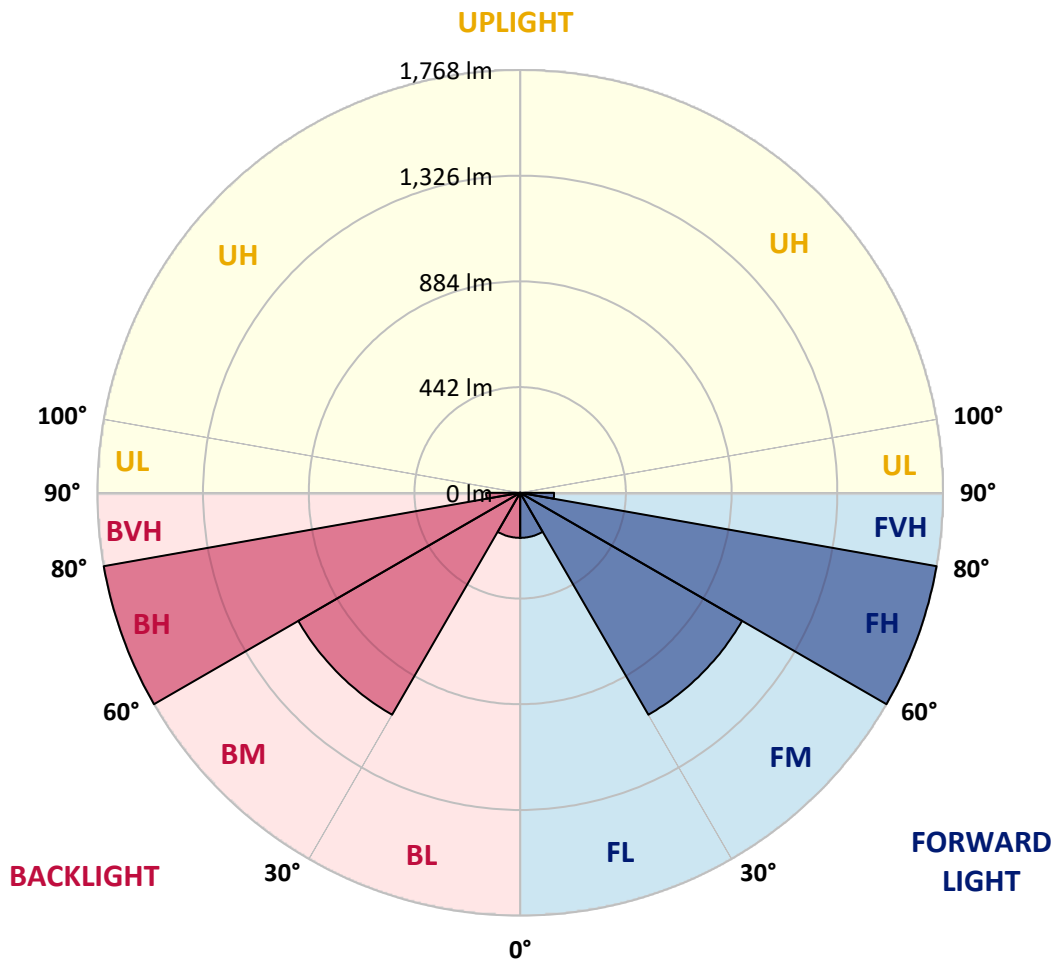
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.5	3.0			
FM (30°-60°)	1071.7	16.9			
FH (60°-80°)	1768.4	27.9			G1/1800
FVH (80°-90°)	142.0	2.2			G2/225
BL (0°-30°)	188.5	3.0	B1/500		
BM (30°-60°)	1071.7	16.9	B2/2500		
BH (60°-80°)	1768.4	27.9	B3/2500		G1/1800
BVH (80°-90°)	142.0	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°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5
2.5°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	367.2	367.2	367.2	367.2
5°	369.0	369.0	367.2	367.2	367.2	369.0	369.0	369.0	369.0	370.7	370.7
7.5°	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7	372.4	372.4	372.4
10°	377.5	377.5	377.5	377.5	377.5	377.5	377.5	377.5	377.5	377.5	377.5
12.5°	384.4	384.4	386.1	386.1	387.8	387.8	386.1	386.1	384.4	382.7	382.7
15°	396.4	396.4	398.1	399.9	403.3	403.3	401.6	399.9	396.4	394.7	394.7
17.5°	408.4	408.4	410.2	413.6	418.7	420.4	417.0	413.6	410.2	408.4	408.4
20°	425.6	427.3	429.0	432.5	441.0	444.5	439.3	432.5	430.7	430.7	430.7
22.5°	451.3	451.3	451.3	456.5	463.3	468.5	461.6	458.2	454.8	454.8	454.8
25°	478.8	478.8	478.8	480.5	490.8	496.0	489.1	483.9	482.2	483.9	483.9
27.5°	509.7	509.7	509.7	509.7	518.3	526.8	518.3	513.1	514.8	514.8	514.8
30°	542.3	542.3	544.0	544.0	547.4	557.7	549.2	547.4	549.2	550.9	550.9
32.5°	580.0	581.8	580.0	580.0	583.5	590.3	585.2	585.2	588.6	592.1	592.1
35°	619.5	619.5	619.5	619.5	621.2	628.1	624.7	624.7	629.8	635.0	635.0
37.5°	662.4	664.1	659.0	657.3	660.7	664.1	662.4	665.9	674.4	681.3	683.0
40°	708.8	708.8	703.6	698.5	698.5	700.2	703.6	710.5	722.5	731.1	732.8
42.5°	767.1	772.2	763.7	756.8	753.4	756.8	760.2	772.2	784.3	791.1	791.1
45°	844.3	846.0	835.7	823.7	815.2	811.7	816.9	828.9	842.6	856.3	856.3
47.5°	938.7	935.3	913.0	876.9	851.2	844.3	852.9	880.4	913.0	933.6	937.0
50°	1057.1	1053.7	1019.4	966.2	919.8	909.5	914.7	955.9	1003.9	1034.8	1040.0
52.5°	1197.8	1189.3	1151.5	1081.1	1010.8	986.8	998.8	1053.7	1115.5	1154.9	1160.1
55°	1342.0	1336.8	1297.4	1218.4	1129.2	1084.6	1100.0	1173.8	1251.0	1292.2	1295.7
57.5°	1482.7	1484.4	1448.4	1376.3	1271.6	1206.4	1227.0	1314.5	1402.1	1443.2	1443.2
60°	1616.6	1614.9	1589.1	1532.5	1451.8	1376.3	1402.1	1474.1	1551.4	1589.1	1592.5
62.5°	1745.3	1743.6	1735.0	1698.9	1652.6	1597.7	1599.4	1647.5	1709.2	1736.7	1741.9
65°	1911.7	1908.3	1896.3	1874.0	1880.9	1877.4	1820.8	1832.8	1891.2	1922.0	1923.8
67.5°	1923.8	1944.4	1983.8	2050.8	2146.9	2160.6	2088.5	1980.4	1951.2	1934.1	1932.3
70°	1781.3	1825.9	1908.3	2049.0	2309.9	2426.6	2208.6	1952.9	1860.3	1817.4	1815.6
72.5°	1530.8	1623.4	1731.6	1956.4	2320.2	2395.7	2220.6	1851.7	1702.4	1632.0	1621.7
75°	1185.8	1275.1	1455.3	1764.2	2182.9	2258.4	2086.8	1661.2	1469.0	1400.3	1379.8
77.5°	729.3	835.7	1026.2	1379.8	1807.1	1884.3	1747.0	1324.8	1118.9	1010.8	1015.9
80°	355.2	459.9	619.5	931.8	1299.1	1412.4	1201.3	854.6	681.3	605.8	598.9
82.5°	154.4	209.4	298.6	466.8	737.9	789.4	610.9	422.2	336.4	300.3	296.9
85°	22.3	30.9	77.2	139.0	223.1	250.6	144.2	87.5	66.9	60.1	54.9
87.5°	15.4	15.4	15.4	17.2	20.6	22.3	18.9	17.2	15.4	15.4	15.4
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)