

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: P507550

Luminaire Tested: **VERD-S-CA1-40-740-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507550
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-CA1-40-740-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 760mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6361 lumens
Efficiency: N/A
Efficacy: 146.6 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

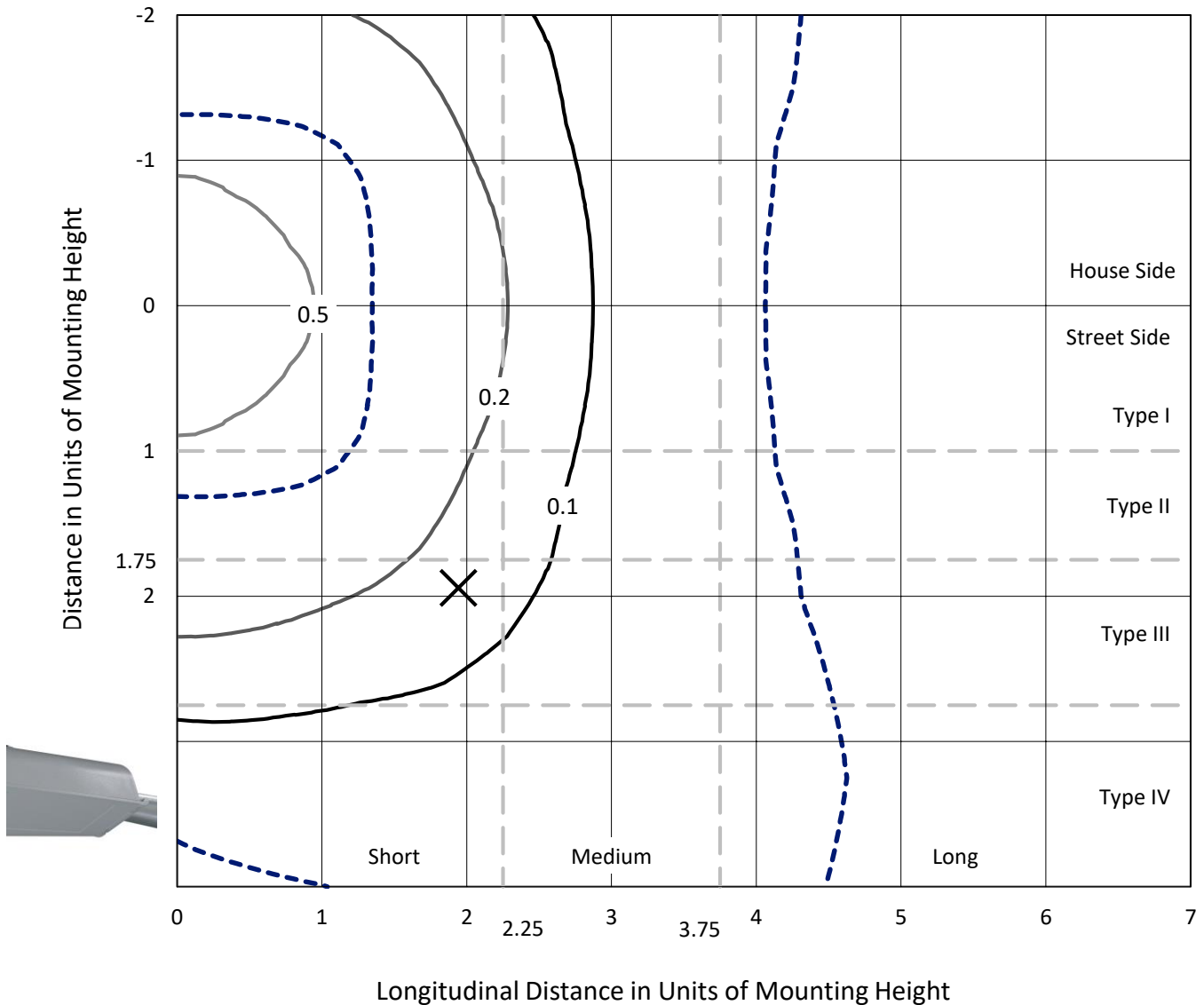
Input Watts (W): 43.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507550
 CATALOG NUMBER: VERD-S-CA1-40-740-U-T5

Iso-Footcandle Lines of Horizontal Illumination

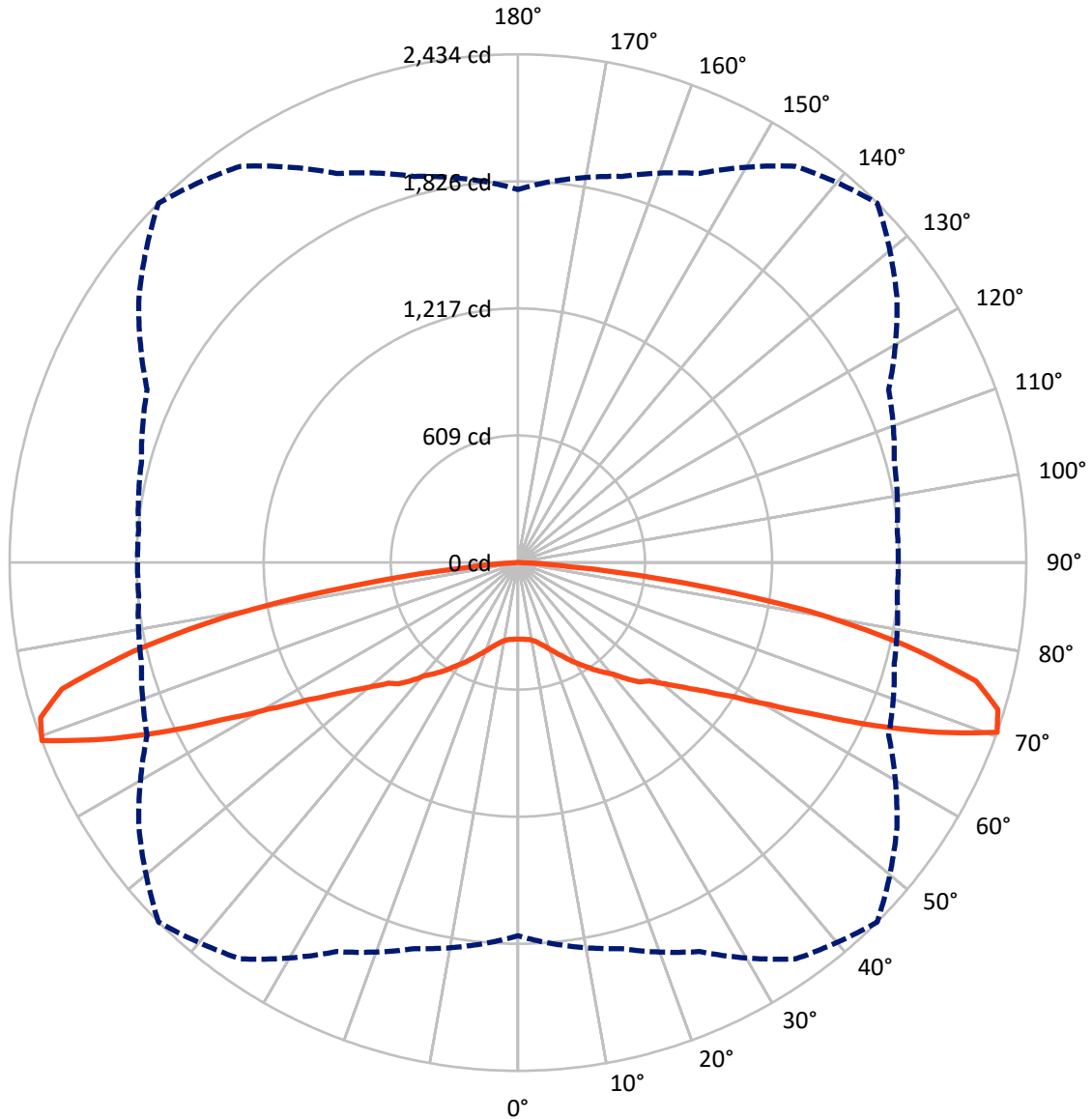
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

REPORT NUMBER: P507550
CATALOG NUMBER: VERD-S-CA1-40-740-U-T5

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P507550

CATALOG NUMBER: VERD-S-CA1-40-740-U-T5

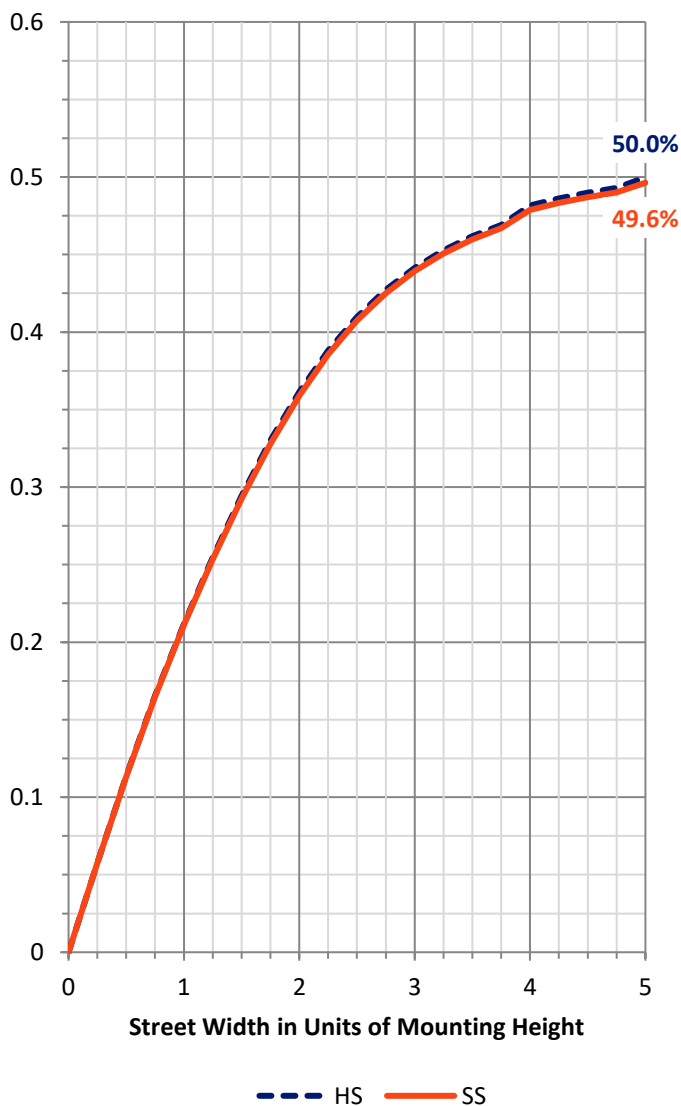
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3180.5	0.0	3180.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3180.5	0.0	3180.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6361.0	0.0	6361.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	0.6
10°-20°	114.9	1.8
20°-30°	227.8	3.6
30°-40°	396.4	6.2
40°-50°	649.4	10.2
50°-60°	1104.3	17.4
60°-70°	1835.6	28.9
70°-80°	1712.3	26.9
80°-90°	284.8	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°	6361.0	100.0
0°-180°	6361.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507550

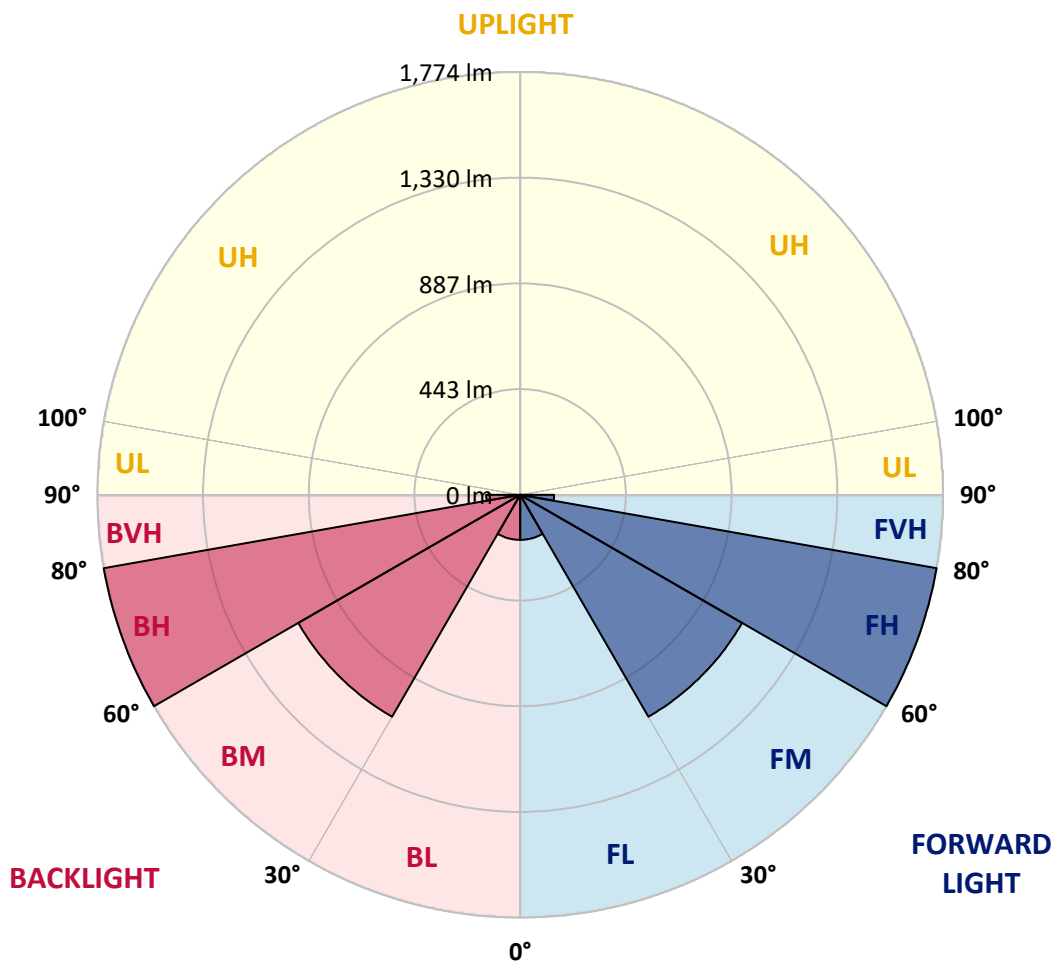
CATALOG NUMBER: VERD-S-CA1-40-740-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.1	3.0			
FM (30°-60°)	1075.0	16.9			
FH (60°-80°)	1774.0	27.9			G1/1800
FVH (80°-90°)	142.4	2.2			G2/225
BL (0°-30°)	189.1	3.0	B1/500		
BM (30°-60°)	1075.0	16.9	B2/2500		
BH (60°-80°)	1774.0	27.9	B3/2500		G1/1800
BVH (80°-90°)	142.4	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





REPORT NUMBER: P507550

CATALOG NUMBER: VERD-S-CA1-40-740-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7
2.5°	366.7	366.7	366.7	366.7	366.7	366.7	366.7	368.4	368.4	368.4	368.4
5°	370.1	370.1	368.4	368.4	368.4	370.1	370.1	370.1	370.1	371.8	371.8
7.5°	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	373.6	373.6	373.6
10°	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7
12.5°	385.6	385.6	387.3	387.3	389.1	389.1	387.3	387.3	385.6	383.9	383.9
15°	397.7	397.7	399.4	401.1	404.6	404.6	402.8	401.1	397.7	396.0	396.0
17.5°	409.7	409.7	411.4	414.9	420.1	421.8	418.3	414.9	411.4	409.7	409.7
20°	426.9	428.7	430.4	433.8	442.4	445.9	440.7	433.8	432.1	432.1	432.1
22.5°	452.8	452.8	452.8	457.9	464.8	470.0	463.1	459.6	456.2	456.2	456.2
25°	480.3	480.3	480.3	482.0	492.4	497.5	490.6	485.5	483.7	485.5	485.5
27.5°	511.3	511.3	511.3	511.3	519.9	528.5	519.9	514.7	516.5	516.5	516.5
30°	544.0	544.0	545.7	545.7	549.2	559.5	550.9	549.2	550.9	552.6	552.6
32.5°	581.9	583.6	581.9	581.9	585.3	592.2	587.0	587.0	590.5	593.9	593.9
35°	621.5	621.5	621.5	621.5	623.2	630.1	626.6	626.6	631.8	637.0	637.0
37.5°	664.5	666.2	661.1	659.3	662.8	666.2	664.5	668.0	676.6	683.4	685.2
40°	711.0	711.0	705.8	700.7	700.7	702.4	705.8	712.7	724.8	733.4	735.1
42.5°	769.5	774.7	766.1	759.2	755.7	759.2	762.6	774.7	786.7	793.6	793.6
45°	847.0	848.7	838.4	826.3	817.7	814.3	819.4	831.5	845.3	859.0	859.0
47.5°	941.7	938.2	915.8	879.7	853.9	847.0	855.6	883.1	915.8	936.5	940.0
50°	1060.5	1057.0	1022.6	969.2	922.7	912.4	917.6	958.9	1007.1	1038.1	1043.2
52.5°	1201.6	1193.0	1155.1	1084.6	1014.0	989.9	1001.9	1057.0	1119.0	1158.6	1163.7
55°	1346.2	1341.1	1301.5	1222.3	1132.8	1088.0	1103.5	1177.5	1255.0	1296.3	1299.7
57.5°	1487.4	1489.1	1453.0	1380.7	1275.6	1210.2	1230.9	1318.7	1406.5	1447.8	1447.8
60°	1621.7	1620.0	1594.1	1537.3	1456.4	1380.7	1406.5	1478.8	1556.3	1594.1	1597.6
62.5°	1750.8	1749.1	1740.5	1704.3	1657.8	1602.7	1604.5	1652.7	1714.6	1742.2	1747.3
65°	1917.8	1914.3	1902.3	1879.9	1886.8	1883.3	1826.5	1838.6	1897.1	1928.1	1929.8
67.5°	1929.8	1950.5	1990.1	2057.2	2153.6	2167.4	2095.1	1986.6	1957.4	1940.2	1938.4
70°	1786.9	1831.7	1914.3	2055.5	2317.2	2434.2	2215.6	1959.1	1866.1	1823.1	1821.4
72.5°	1535.6	1628.6	1737.0	1962.5	2327.5	2403.2	2227.6	1857.5	1707.8	1637.2	1626.8
75°	1189.6	1279.1	1459.9	1769.7	2189.8	2265.5	2093.4	1666.4	1473.6	1404.8	1384.1
77.5°	731.6	838.4	1029.5	1384.1	1812.8	1890.2	1752.5	1329.0	1122.4	1014.0	1019.1
80°	356.4	461.4	621.5	934.8	1303.2	1416.8	1205.1	857.3	683.4	607.7	600.8
82.5°	154.9	210.0	299.5	468.3	740.3	791.9	612.9	423.5	337.4	301.3	297.8
85°	22.4	31.0	77.5	139.4	223.8	251.3	144.6	87.8	67.1	60.3	55.1
87.5°	15.5	15.5	15.5	17.2	20.7	22.4	18.9	17.2	15.5	15.5	15.5
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)