

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: P507598

Luminaire Tested: **VERD-S-CA1-50-740-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507598
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-CA1-50-740-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 940mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7741 lumens
Efficiency: N/A
Efficacy: 144.7 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

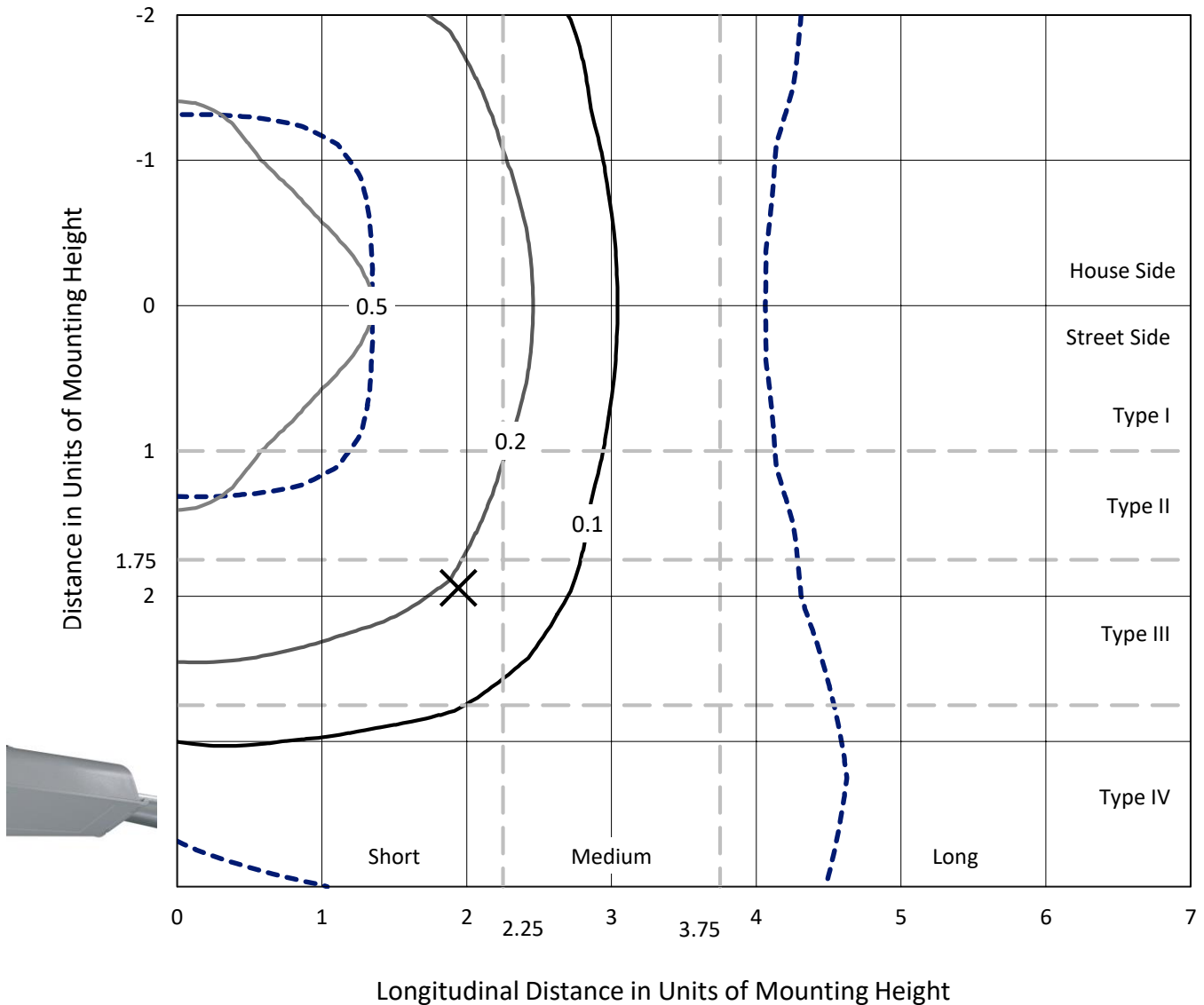


REPORT NUMBER: P507598

CATALOG NUMBER: VERD-S-CA1-50-740-U-T5

Iso-Footcandle Lines of Horizontal Illumination

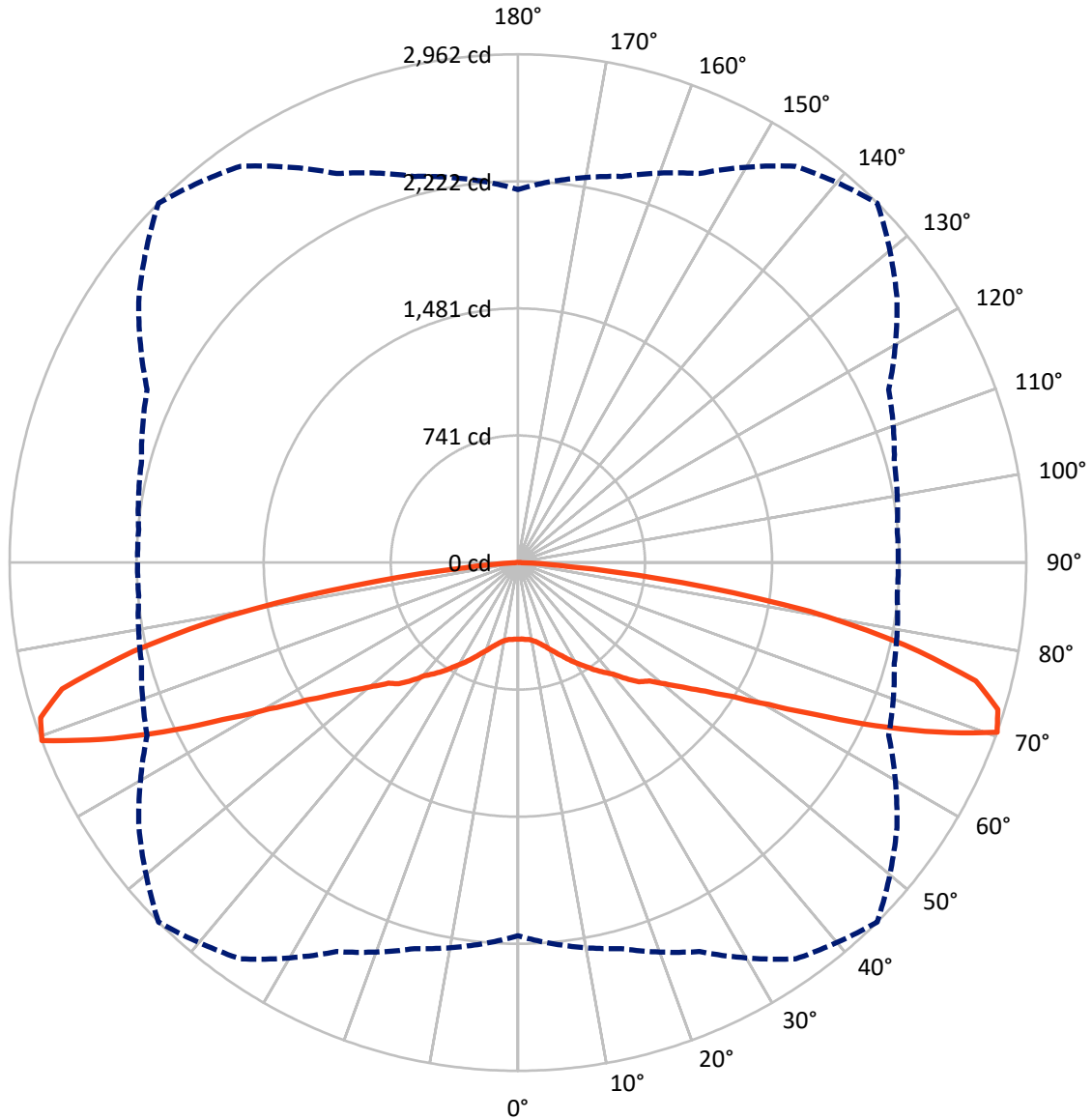
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

REPORT NUMBER: P507598
CATALOG NUMBER: VERD-S-CA1-50-740-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P507598

CATALOG NUMBER: VERD-S-CA1-50-740-U-T5

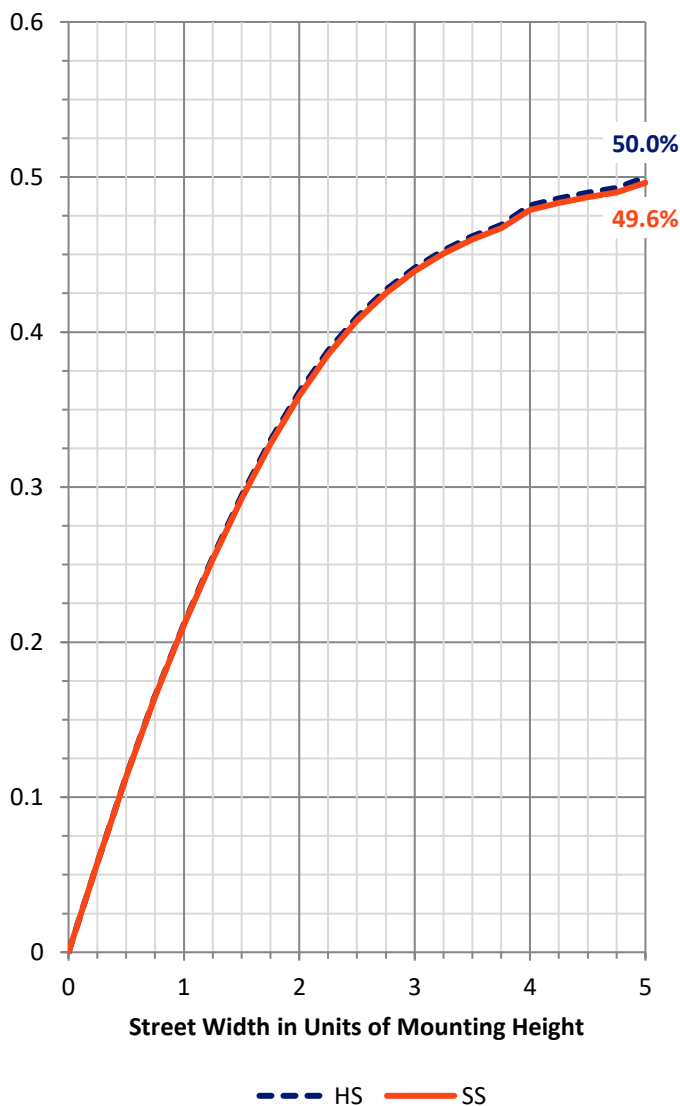
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3870.5	0.0	3870.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3870.5	0.0	3870.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7741.0	0.0	7741.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	0.6
10°-20°	139.8	1.8
20°-30°	277.2	3.6
30°-40°	482.4	6.2
40°-50°	790.3	10.2
50°-60°	1343.8	17.4
60°-70°	2233.8	28.9
70°-80°	2083.8	26.9
80°-90°	346.6	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°	7741.0	100.0
0°-180°	7741.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507598

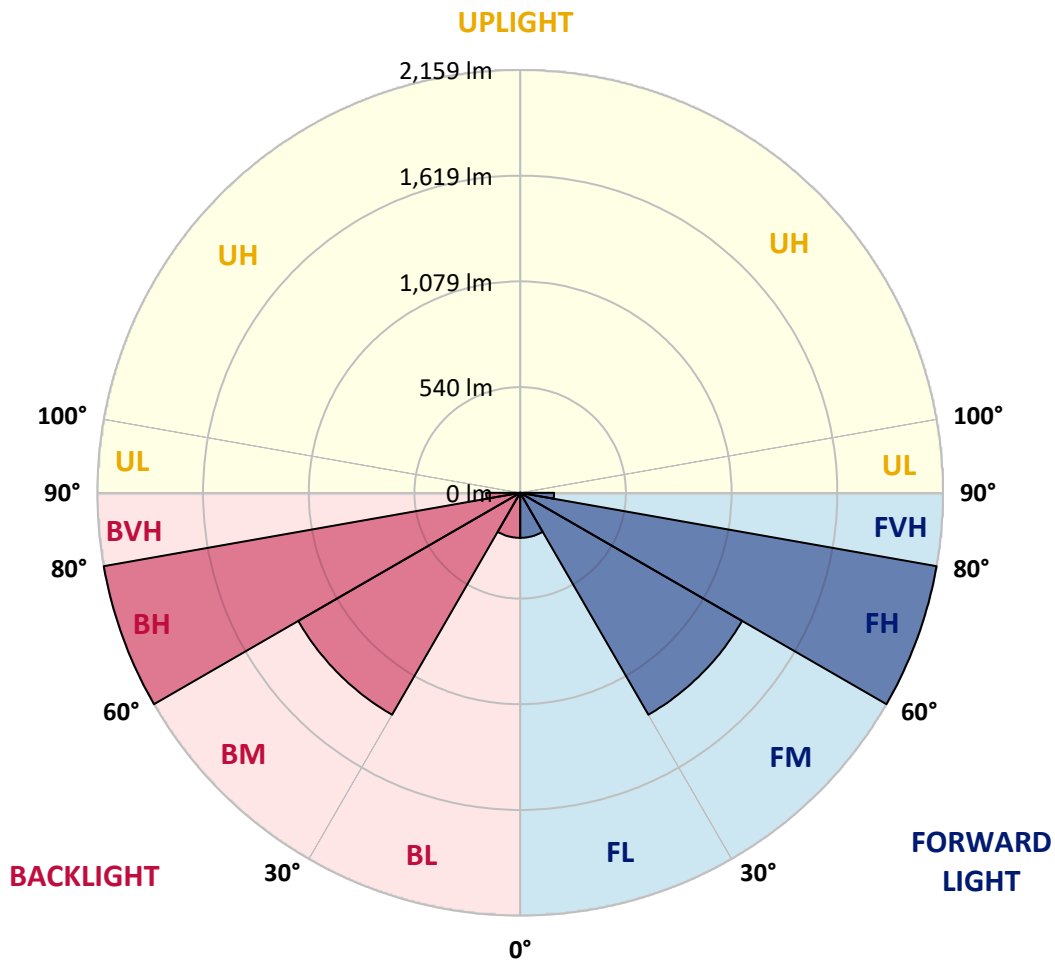
CATALOG NUMBER: VERD-S-CA1-50-740-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.1	3.0			
FM (30°-60°)	1308.3	16.9			
FH (60°-80°)	2158.8	27.9			G2/5000
FVH (80°-90°)	173.3	2.2			G2/225
BL (0°-30°)	230.1	3.0	B1/500		
BM (30°-60°)	1308.3	16.9	B2/2500		
BH (60°-80°)	2158.8	27.9	B3/2500		G2/5000
BVH (80°-90°)	173.3	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: P507598

CATALOG NUMBER: VERD-S-CA1-50-740-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	446.2	446.2	446.2	446.2	446.2	446.2	446.2	446.2	446.2	446.2	446.2
2.5°	446.2	446.2	446.2	446.2	446.2	446.2	446.2	448.3	448.3	448.3	448.3
5°	450.4	450.4	448.3	448.3	448.3	450.4	450.4	450.4	450.4	452.5	452.5
7.5°	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	454.6	454.6	454.6
10°	460.9	460.9	460.9	460.9	460.9	460.9	460.9	460.9	460.9	460.9	460.9
12.5°	469.3	469.3	471.4	471.4	473.5	473.5	471.4	471.4	469.3	467.2	467.2
15°	483.9	483.9	486.0	488.1	492.3	492.3	490.2	488.1	483.9	481.9	481.9
17.5°	498.6	498.6	500.7	504.9	511.2	513.3	509.1	504.9	500.7	498.6	498.6
20°	519.6	521.7	523.8	527.9	538.4	542.6	536.3	527.9	525.8	525.8	525.8
22.5°	551.0	551.0	551.0	557.3	565.7	571.9	563.6	559.4	555.2	555.2	555.2
25°	584.5	584.5	584.5	586.6	599.2	605.5	597.1	590.8	588.7	590.8	590.8
27.5°	622.2	622.2	622.2	622.2	632.7	643.2	632.7	626.4	628.5	628.5	628.5
30°	662.0	662.0	664.1	664.1	668.3	680.9	670.4	668.3	670.4	672.5	672.5
32.5°	708.1	710.2	708.1	708.1	712.3	720.7	714.4	714.4	718.6	722.8	722.8
35°	756.3	756.3	756.3	756.3	758.4	766.8	762.6	762.6	768.9	775.2	775.2
37.5°	808.7	810.8	804.5	802.4	806.6	810.8	808.7	812.9	823.3	831.7	833.8
40°	865.2	865.2	859.0	852.7	852.7	854.8	859.0	867.3	882.0	892.5	894.6
42.5°	936.5	942.8	932.3	923.9	919.7	923.9	928.1	942.8	957.4	965.8	965.8
45°	1030.7	1032.8	1020.3	1005.6	995.1	990.9	997.2	1011.9	1028.6	1045.4	1045.4
47.5°	1146.0	1141.8	1114.5	1070.5	1039.1	1030.7	1041.2	1074.7	1114.5	1139.7	1143.9
50°	1290.5	1286.3	1244.4	1179.5	1122.9	1110.4	1116.6	1166.9	1225.6	1263.3	1269.6
52.5°	1462.3	1451.8	1405.7	1319.9	1234.0	1204.6	1219.3	1286.3	1361.8	1409.9	1416.2
55°	1638.3	1632.0	1583.8	1487.5	1378.5	1324.0	1342.9	1433.0	1527.3	1577.5	1581.7
57.5°	1810.1	1812.2	1768.2	1680.2	1552.4	1472.8	1497.9	1604.8	1711.6	1761.9	1761.9
60°	1973.5	1971.4	1940.0	1870.8	1772.4	1680.2	1711.6	1799.6	1893.9	1940.0	1944.2
62.5°	2130.6	2128.5	2118.0	2074.1	2017.5	1950.4	1952.5	2011.2	2086.6	2120.1	2126.4
65°	2333.8	2329.6	2315.0	2287.7	2296.1	2291.9	2222.8	2237.5	2308.7	2346.4	2348.5
67.5°	2348.5	2373.6	2421.8	2503.5	2620.8	2637.6	2549.6	2417.6	2382.0	2361.1	2359.0
70°	2174.6	2229.1	2329.6	2501.4	2819.9	2962.3	2696.3	2384.1	2271.0	2218.6	2216.5
72.5°	1868.7	1981.9	2113.9	2388.3	2832.4	2924.6	2710.9	2260.5	2078.2	1992.3	1979.8
75°	1447.6	1556.6	1776.6	2153.7	2664.8	2757.0	2547.5	2028.0	1793.3	1709.5	1684.4
77.5°	890.4	1020.3	1252.8	1684.4	2206.0	2300.3	2132.7	1617.3	1365.9	1234.0	1240.2
80°	433.7	561.5	756.3	1137.6	1585.9	1724.2	1466.5	1043.3	831.7	739.5	731.2
82.5°	188.6	255.6	364.5	569.8	900.9	963.7	745.8	515.4	410.6	366.6	362.4
85°	27.2	37.7	94.3	169.7	272.4	305.9	176.0	106.8	81.7	73.3	67.0
87.5°	18.9	18.9	18.9	21.0	25.1	27.2	23.0	21.0	18.9	18.9	18.9
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)