

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: P507543

Luminaire Tested: **VERD-S-CA1-40-740-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507543  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)  
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-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 4000K, 760mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6334 lumens  
Efficiency: N/A  
Efficacy: 145.9 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

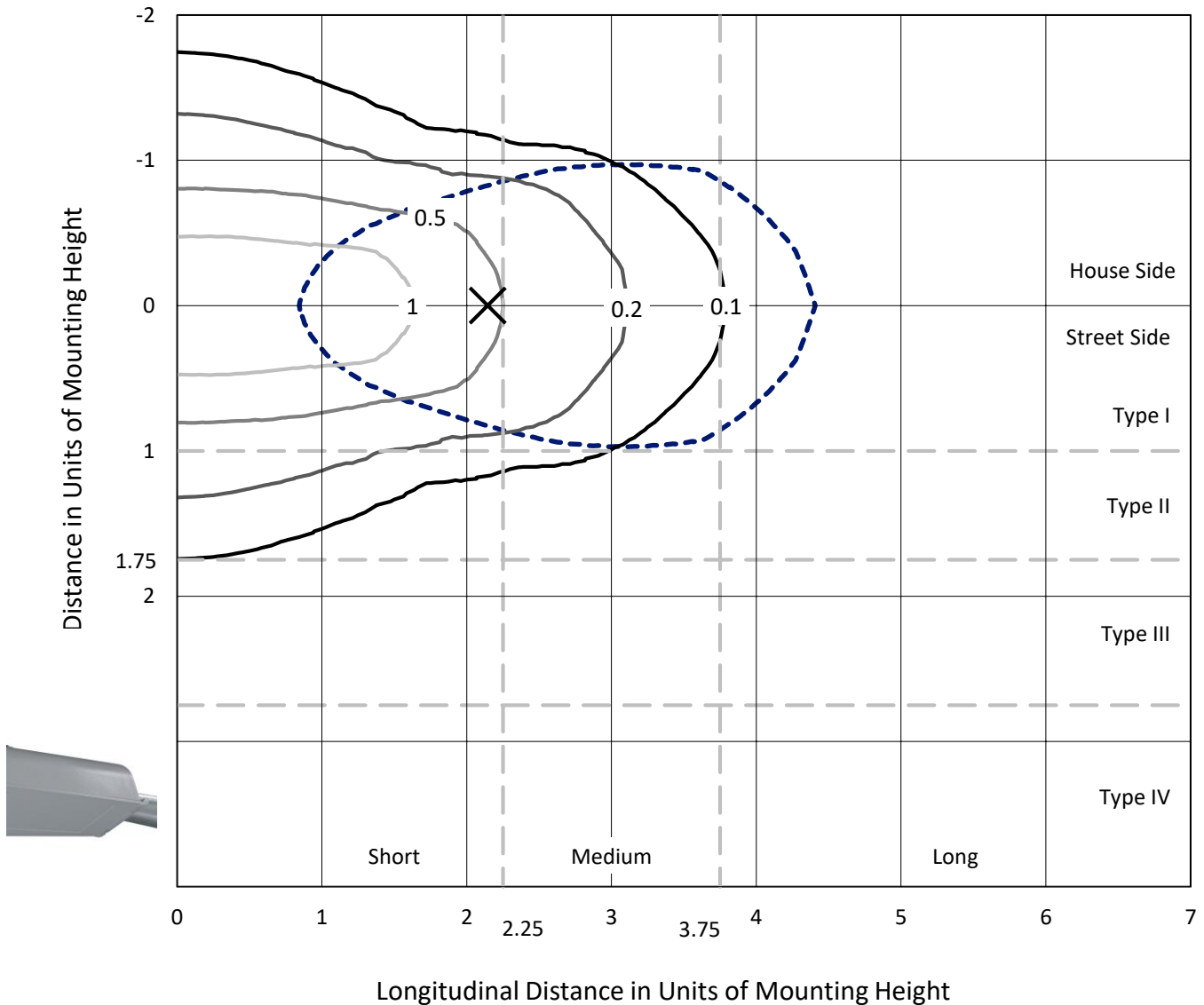
Input Watts (W): 43.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P507543  
 CATALOG NUMBER: VERD-S-CA1-40-740-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

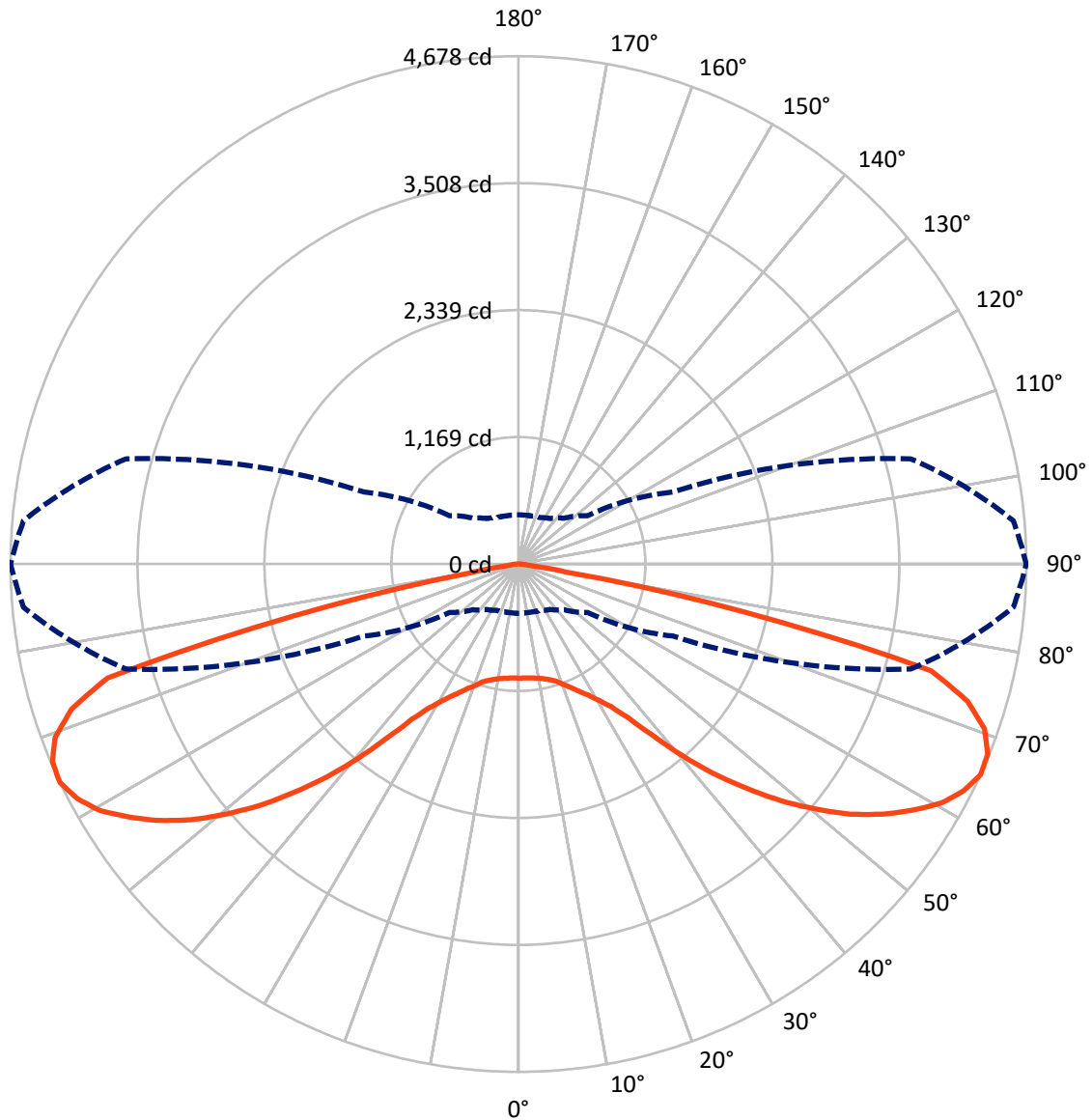
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type I - Short - N/A

REPORT NUMBER: P507543  
CATALOG NUMBER: VERD-S-CA1-40-740-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P507543

CATALOG NUMBER: VERD-S-CA1-40-740-U-T1

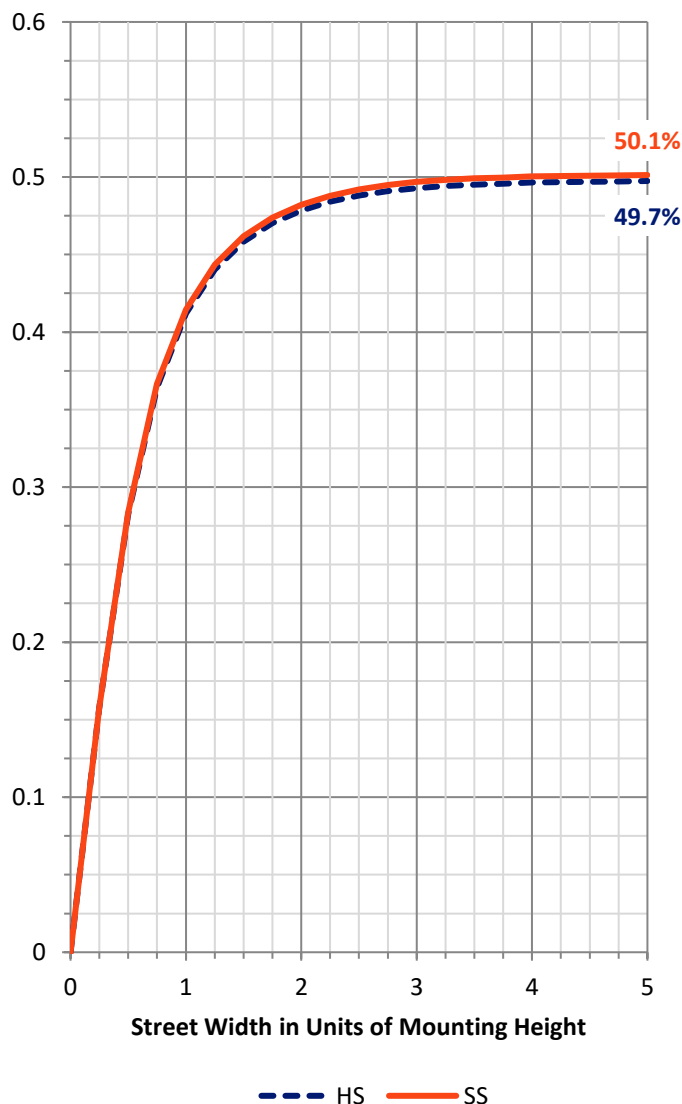
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3167.0	0.0	3167.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3167.0	0.0	3167.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6334.0	0.0	6334.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.7	1.6
10°-20°	300.4	4.7
20°-30°	497.5	7.9
30°-40°	720.1	11.4
40°-50°	1042.3	16.5
50°-60°	1356.7	21.4
60°-70°	1433.0	22.6
70°-80°	843.4	13.3
80°-90°	39.8	0.6
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°	6334.0	100.0
0°-180°	6334.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P507543

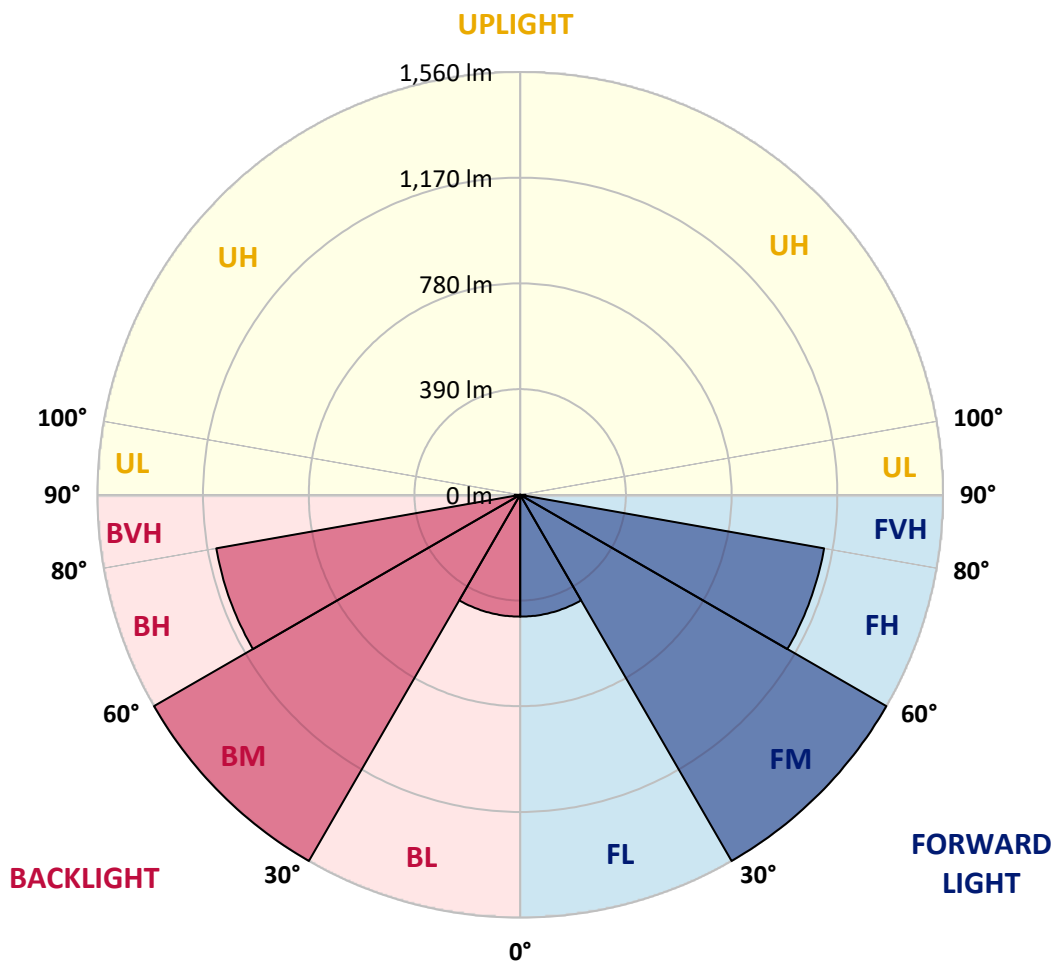
CATALOG NUMBER: VERD-S-CA1-40-740-U-T1

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	449.3	7.1			
FM	(30°-60°)	1559.6	24.6			
FH	(60°-80°)	1138.2	18.0			G1/1800
FVH	(80°-90°)	19.9	0.3			G1/100
BL	(0°-30°)	449.3	7.1	B1/500		
BM	(30°-60°)	1559.6	24.6	B2/2500		
BH	(60°-80°)	1138.2	18.0	B3/2500		G3/2500
BVH	(80°-90°)	19.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short





REPORT NUMBER: P507543  
 CATALOG NUMBER: VERD-S-CA1-40-740-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9
2.5°	1055.3	1055.3	1057.1	1055.3	1055.3	1055.3	1055.3	1053.6	1051.9	1050.2	1050.2
5°	1053.6	1053.6	1053.6	1055.3	1055.3	1057.1	1057.1	1055.3	1055.3	1055.3	1053.6
7.5°	1046.7	1048.5	1048.5	1050.2	1051.9	1055.3	1057.1	1058.8	1060.5	1060.5	1060.5
10°	1038.1	1038.1	1039.8	1043.3	1048.5	1051.9	1060.5	1065.7	1069.1	1070.8	1070.8
12.5°	1024.4	1024.4	1027.8	1034.7	1045.0	1055.3	1065.7	1076.0	1082.9	1086.3	1086.3
15°	1007.1	1007.1	1012.3	1022.6	1041.6	1060.5	1077.7	1093.2	1103.5	1108.7	1107.0
17.5°	981.3	981.3	988.2	1007.1	1036.4	1067.4	1096.7	1115.6	1131.1	1136.3	1136.3
20°	946.9	946.9	958.9	984.8	1026.1	1072.6	1113.9	1143.1	1165.5	1181.0	1184.5
22.5°	903.8	903.8	922.8	958.9	1008.9	1069.1	1125.9	1175.9	1215.5	1232.7	1234.4
25°	853.9	857.4	883.2	929.7	993.4	1067.4	1144.9	1213.7	1265.4	1292.9	1298.1
27.5°	807.4	810.9	843.6	902.1	977.9	1069.1	1162.1	1255.0	1329.1	1361.8	1367.0
30°	764.4	767.8	802.3	871.1	965.8	1070.8	1182.7	1296.4	1394.5	1446.1	1456.5
32.5°	726.5	730.0	764.4	838.4	948.6	1072.6	1208.6	1351.5	1478.9	1556.3	1564.9
35°	693.8	697.2	733.4	804.0	926.2	1076.0	1239.6	1416.9	1590.8	1716.4	1737.1
37.5°	666.3	669.7	700.7	771.3	900.4	1076.0	1272.3	1492.6	1737.1	1955.7	1993.6
40°	645.6	649.0	673.1	738.6	869.4	1069.1	1301.5	1575.3	1911.0	2255.3	2317.3
42.5°	626.7	631.8	652.5	709.3	836.7	1055.3	1332.5	1657.9	2115.8	2566.9	2640.9
45°	607.7	612.9	635.3	686.9	802.3	1034.7	1351.5	1738.8	2346.5	2883.7	2947.4
47.5°	595.7	595.7	614.6	662.8	769.6	998.5	1356.6	1814.6	2584.1	3186.7	3260.7
50°	583.6	583.6	599.1	640.4	735.1	952.0	1337.7	1886.9	2832.0	3474.2	3546.5
52.5°	568.1	566.4	581.9	619.8	702.4	893.5	1292.9	1935.1	3085.1	3746.2	3827.1
55°	549.2	549.2	561.2	595.7	671.4	835.0	1212.0	1957.5	3319.2	3982.1	4068.1
57.5°	528.5	526.8	538.9	566.4	637.0	778.2	1103.5	1942.0	3510.3	4205.9	4278.2
60°	509.6	507.9	516.5	540.6	597.4	723.1	993.4	1857.6	3663.6	4390.1	4472.7
62.5°	485.5	485.5	492.4	511.3	559.5	661.1	883.2	1726.8	3739.3	4514.0	4601.8
65°	454.5	452.8	457.9	471.7	511.3	595.7	776.4	1570.1	3741.0	4576.0	4677.6
67.5°	397.7	411.5	416.6	425.2	457.9	528.5	674.9	1430.7	3606.8	4564.0	4662.1
70°	321.9	366.7	366.7	371.9	396.0	452.8	580.2	1313.6	3308.9	4448.6	4553.6
72.5°	223.8	263.4	296.1	308.2	328.8	368.4	488.9	1172.4	2795.9	4185.2	4326.4
75°	82.6	77.5	111.9	187.7	208.3	242.7	358.1	965.8	2260.5	3684.2	3925.2
77.5°	24.1	25.8	36.2	96.4	110.2	118.8	194.5	482.0	1046.7	1885.2	2133.1
80°	20.7	20.7	25.8	31.0	36.2	58.5	63.7	179.0	344.3	451.1	452.8
82.5°	15.5	15.5	18.9	22.4	27.5	34.4	37.9	62.0	87.8	91.2	91.2
85°	10.3	10.3	12.1	13.8	17.2	20.7	22.4	25.8	32.7	55.1	58.5
87.5°	5.2	5.2	6.9	6.9	8.6	8.6	10.3	15.5	17.2	25.8	25.8
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)