

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: P507495

Luminaire Tested: **VERD-S-CA1-30-740-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507495  
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-CA1-30-740-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 4000K, 590mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4987.9 lumens  
Efficiency: N/A  
Efficacy: 146.7 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

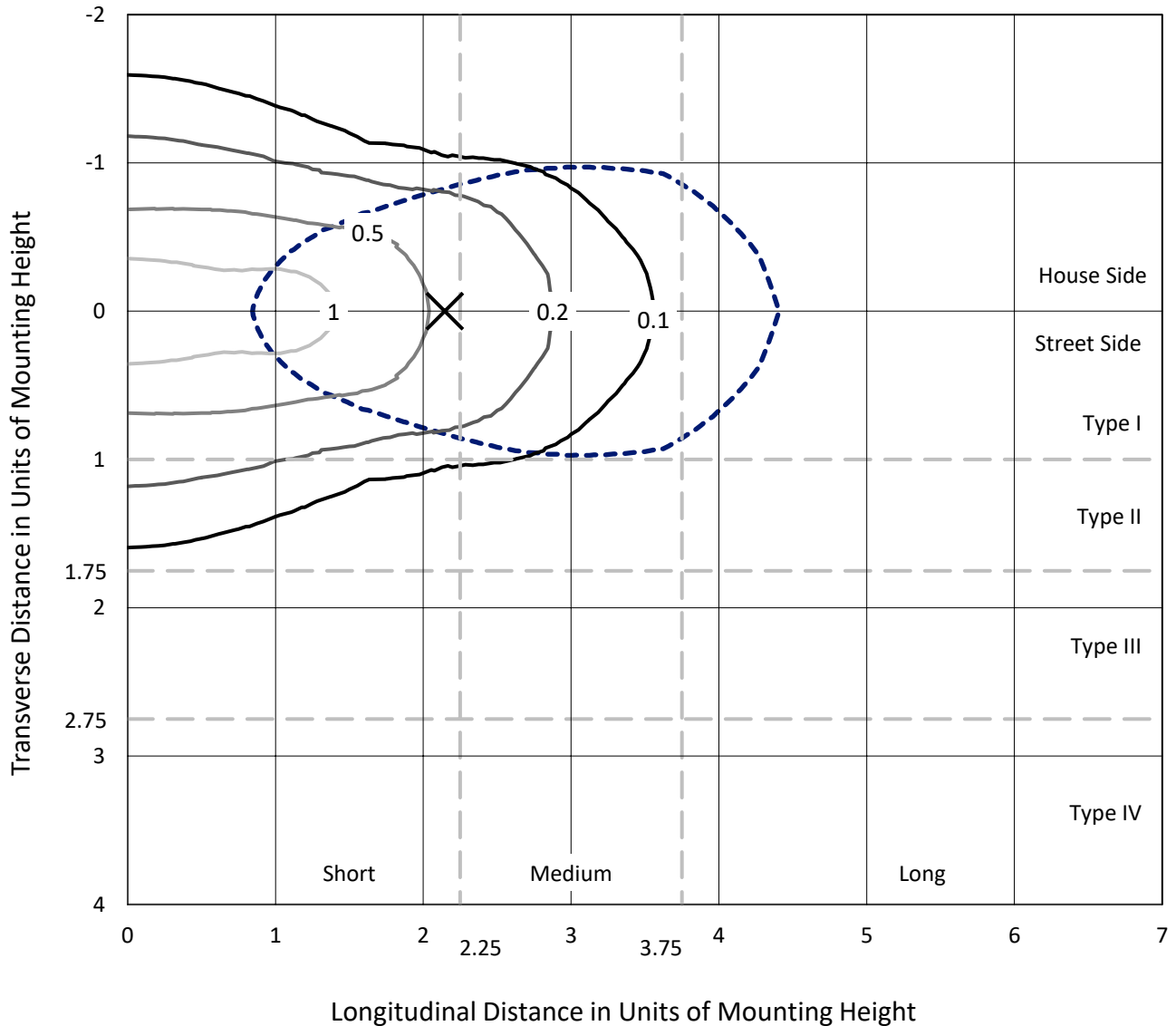
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P507495  
 CATALOG NUMBER: VERD-S-CA1-30-740-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

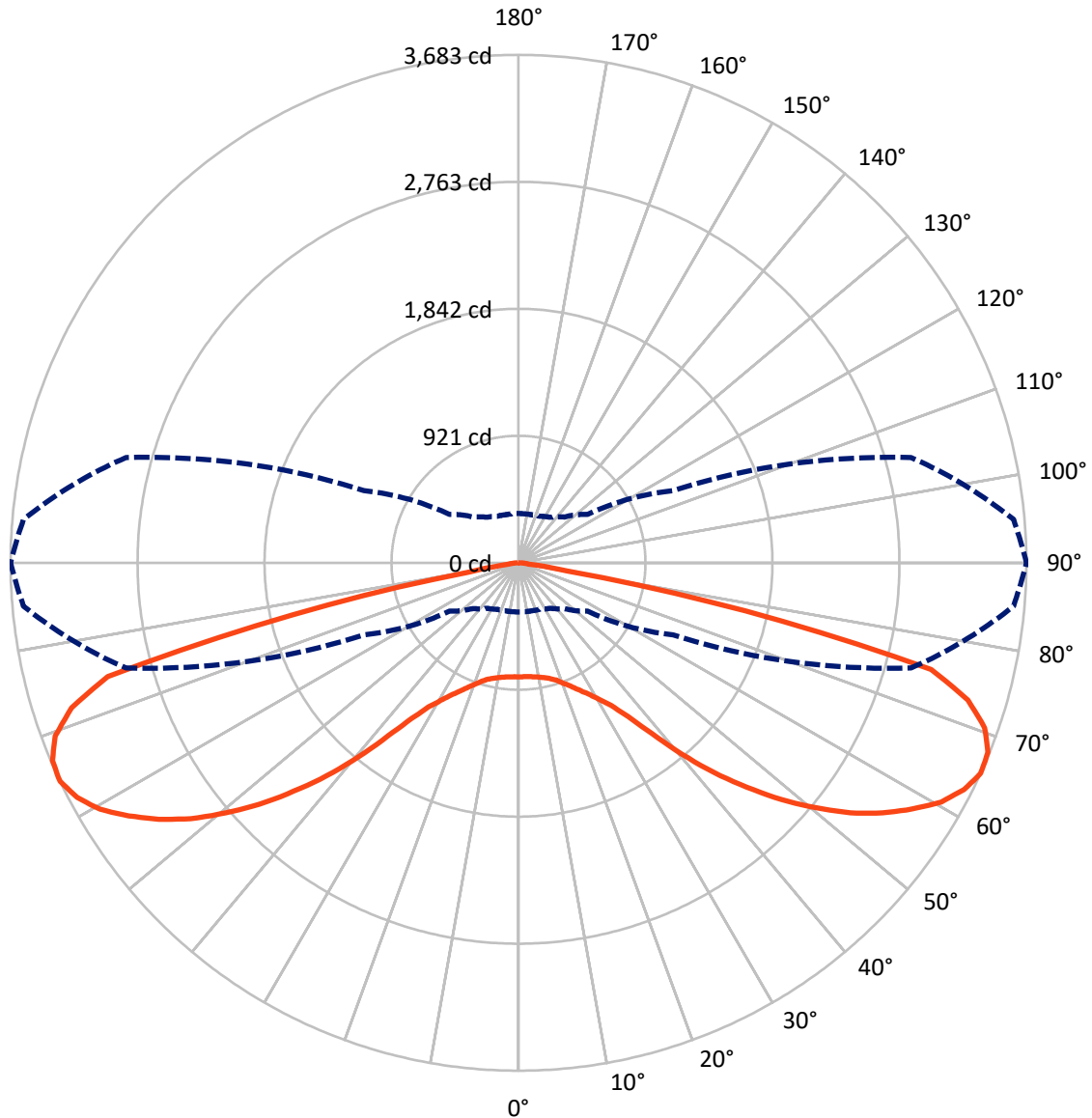
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type I - Short - N/A

REPORT NUMBER: P507495  
CATALOG NUMBER: VERD-S-CA1-30-740-U-T1

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P507495  
 CATALOG NUMBER: VERD-S-CA1-30-740-U-T1

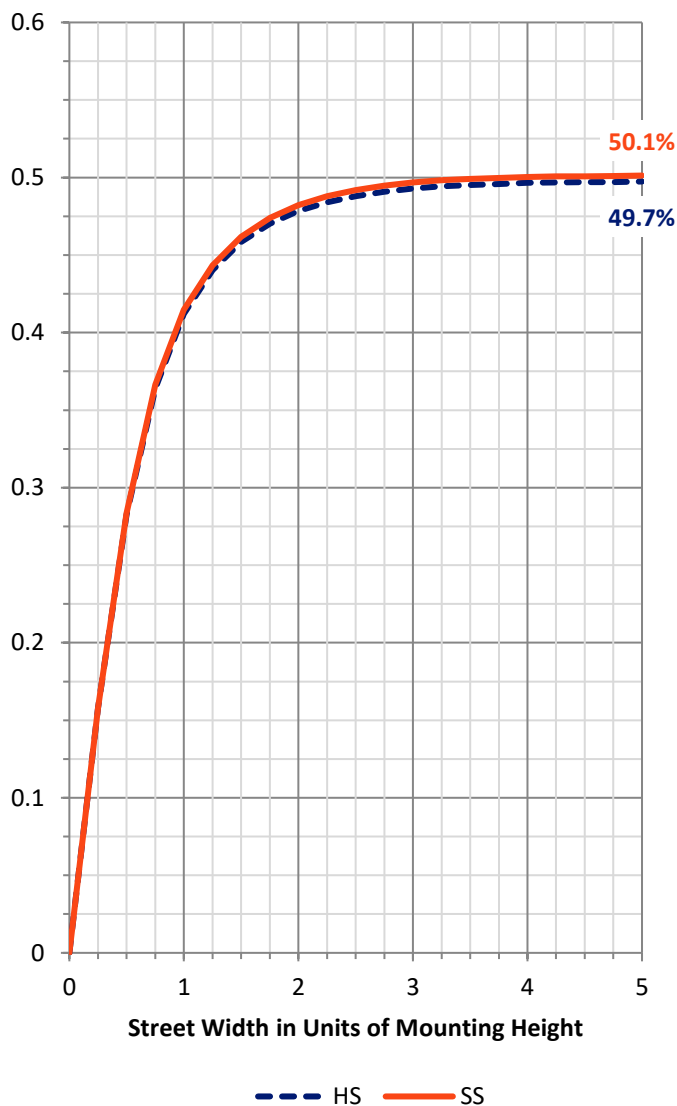
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2493.9	0.0	2493.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2493.9	0.0	2493.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4987.9	0.0	4987.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.3	1.6
10°-20°	236.5	4.7
20°-30°	391.8	7.9
30°-40°	567.1	11.4
40°-50°	820.8	16.5
50°-60°	1068.4	21.4
60°-70°	1128.5	22.6
70°-80°	664.2	13.3
80°-90°	31.4	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°	4987.9	100.0
0°-180°	4987.9	100.0

**Coefficient of Utilization**



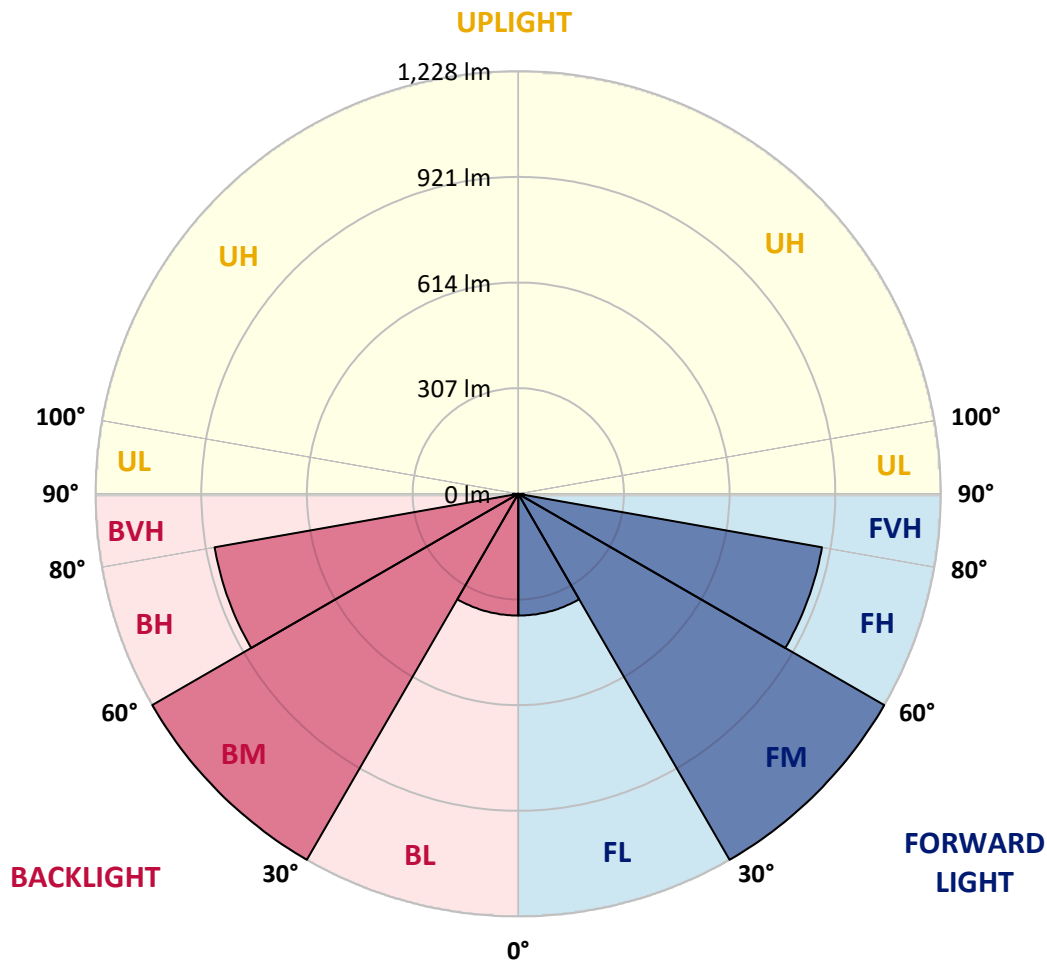
REPORT NUMBER: P507495  
 CATALOG NUMBER: VERD-S-CA1-30-740-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.8	7.1			
FM (30°-60°)	1228.1	24.6			
FH (60°-80°)	896.3	18.0			G1/1800
FVH (80°-90°)	15.7	0.3			G1/100
BL (0°-30°)	353.8	7.1	B1/500		
BM (30°-60°)	1228.1	24.6	B2/2500		
BH (60°-80°)	896.3	18.0	B2/1000		G2/1000
BVH (80°-90°)	15.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Short





REPORT NUMBER: P507495  
 CATALOG NUMBER: VERD-S-CA1-30-740-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	828.3	828.3	828.3	828.3	828.3	828.3	828.3	828.3	828.3	828.3	828.3
2.5°	831.1	831.1	832.5	831.1	831.1	831.1	831.1	829.7	828.3	826.9	826.9
5°	829.7	829.7	829.7	831.1	831.1	832.5	832.5	831.1	831.1	831.1	829.7
7.5°	824.3	825.7	825.7	826.9	828.3	831.1	832.5	833.7	835.1	835.1	835.1
10°	817.5	817.5	818.9	821.5	825.7	828.3	835.1	839.1	841.9	843.3	843.3
12.5°	806.7	806.7	809.3	814.7	822.9	831.1	839.1	847.3	852.7	855.5	855.5
15°	793.1	793.1	797.1	805.3	820.3	835.1	848.7	860.9	869.0	873.1	871.7
17.5°	772.7	772.7	778.2	793.1	816.1	840.5	863.6	878.5	890.7	894.8	894.8
20°	745.6	745.6	755.1	775.5	808.0	844.7	877.1	900.2	917.8	930.0	932.7
22.5°	711.8	711.8	726.7	755.1	794.5	841.9	886.7	926.0	957.2	970.6	972.0
25°	672.4	675.2	695.5	732.1	782.3	840.5	901.5	955.8	996.4	1018.2	1022.2
27.5°	635.8	638.6	664.4	710.4	770.1	841.9	915.1	988.4	1046.6	1072.4	1076.4
30°	602.0	604.6	631.8	686.0	760.5	843.3	931.4	1020.8	1098.1	1138.7	1146.9
32.5°	572.1	574.8	602.0	660.2	747.0	844.7	951.7	1064.2	1164.5	1225.6	1232.3
35°	546.3	549.1	577.5	633.2	729.4	847.3	976.2	1115.7	1252.7	1351.6	1367.9
37.5°	524.7	527.3	551.8	607.4	709.0	847.3	1001.8	1175.5	1367.9	1540.1	1569.9
40°	508.3	511.1	530.1	581.6	684.6	841.9	1025.0	1240.5	1504.9	1776.0	1824.7
42.5°	493.5	497.5	513.9	558.5	658.8	831.1	1049.3	1305.6	1666.2	2021.4	2079.7
45°	478.5	482.7	500.3	540.9	631.8	814.7	1064.2	1369.2	1847.9	2270.8	2321.0
47.5°	469.1	469.1	483.9	521.9	606.0	786.3	1068.3	1428.9	2035.0	2509.5	2567.7
50°	459.5	459.5	471.7	504.3	578.9	749.7	1053.4	1485.9	2230.1	2735.8	2792.7
52.5°	447.4	446.0	458.3	488.1	553.1	703.6	1018.2	1523.9	2429.5	2950.0	3013.8
55°	432.5	432.5	441.9	469.1	528.7	657.6	954.4	1541.5	2613.8	3135.7	3203.5
57.5°	416.2	414.8	424.3	446.0	501.7	612.8	869.0	1529.3	2764.3	3312.0	3369.0
60°	401.3	399.9	406.7	425.7	470.5	569.4	782.3	1462.8	2885.0	3457.1	3522.1
62.5°	382.3	382.3	387.8	402.6	440.6	520.6	695.5	1359.8	2944.6	3554.7	3623.8
65°	358.0	356.6	360.6	371.4	402.6	469.1	611.4	1236.4	2946.0	3603.4	3683.4
67.5°	313.2	324.0	328.0	334.8	360.6	416.2	531.5	1126.6	2840.3	3594.0	3671.2
70°	253.5	288.8	288.8	292.8	311.8	356.6	456.9	1034.4	2605.6	3503.1	3585.8
72.5°	176.3	207.5	233.2	242.7	258.9	290.1	385.0	923.2	2201.7	3295.8	3406.9
75°	65.1	61.0	88.1	147.7	164.1	191.1	282.0	760.5	1780.1	2901.2	3091.0
77.5°	19.0	20.4	28.4	75.9	86.8	93.5	153.1	379.6	824.3	1484.5	1679.8
80°	16.2	16.2	20.4	24.4	28.4	46.1	50.2	140.9	271.2	355.2	356.6
82.5°	12.2	12.2	15.0	17.6	21.7	27.2	29.8	48.8	69.2	71.8	71.8
85°	8.2	8.2	9.4	10.8	13.6	16.2	17.6	20.4	25.8	43.4	46.1
87.5°	4.0	4.0	5.4	5.4	6.8	6.8	8.2	12.2	13.6	20.4	20.4
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)