

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: P507663

Luminaire Tested: **VERD-S-CA1-70-722-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507663  
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-CA1-70-722-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 1330mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8352 lumens  
Efficiency: N/A  
Efficacy: 113.6 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): 73.5  
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

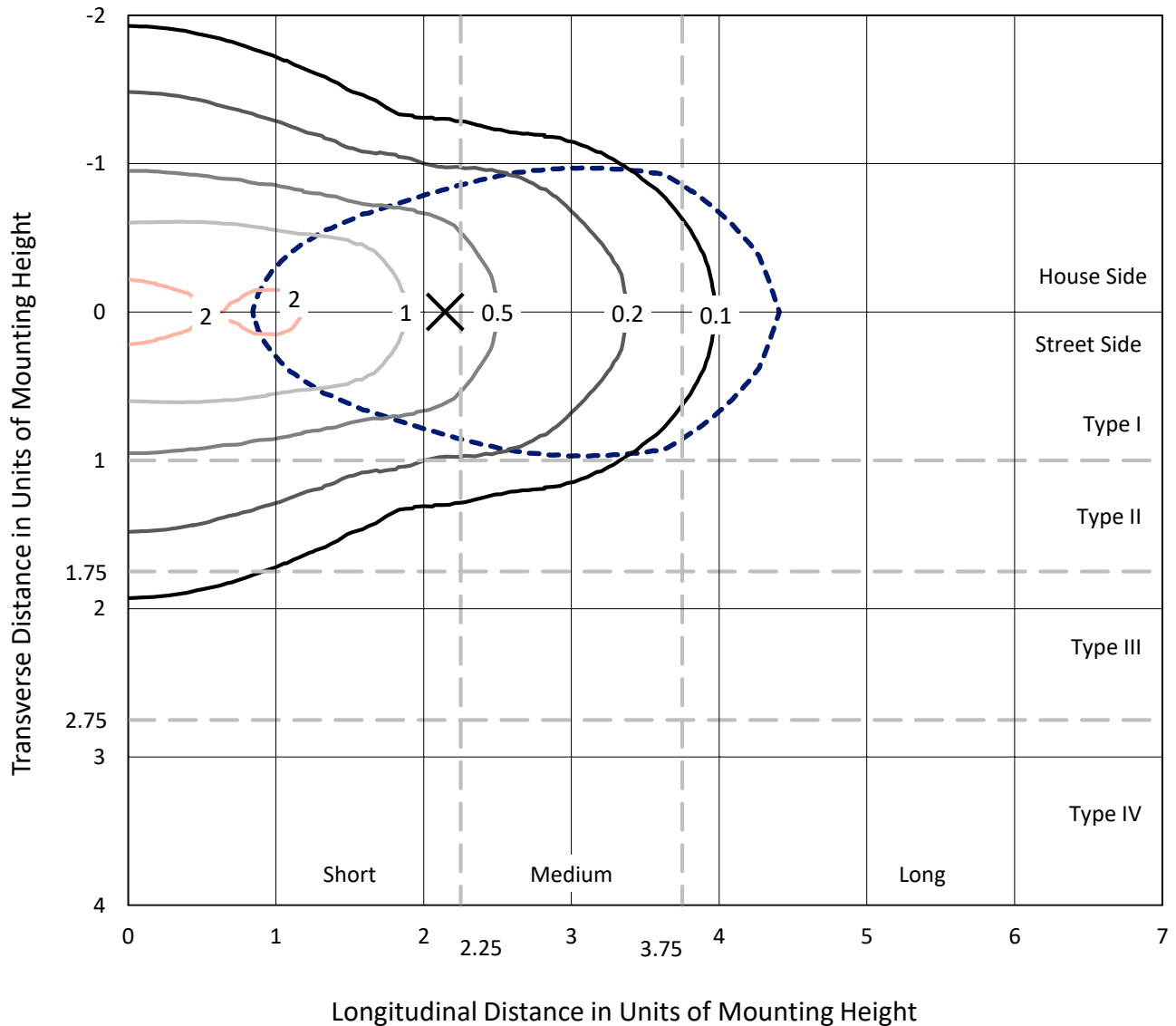


REPORT NUMBER: P507663

CATALOG NUMBER: VERD-S-CA1-70-722-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

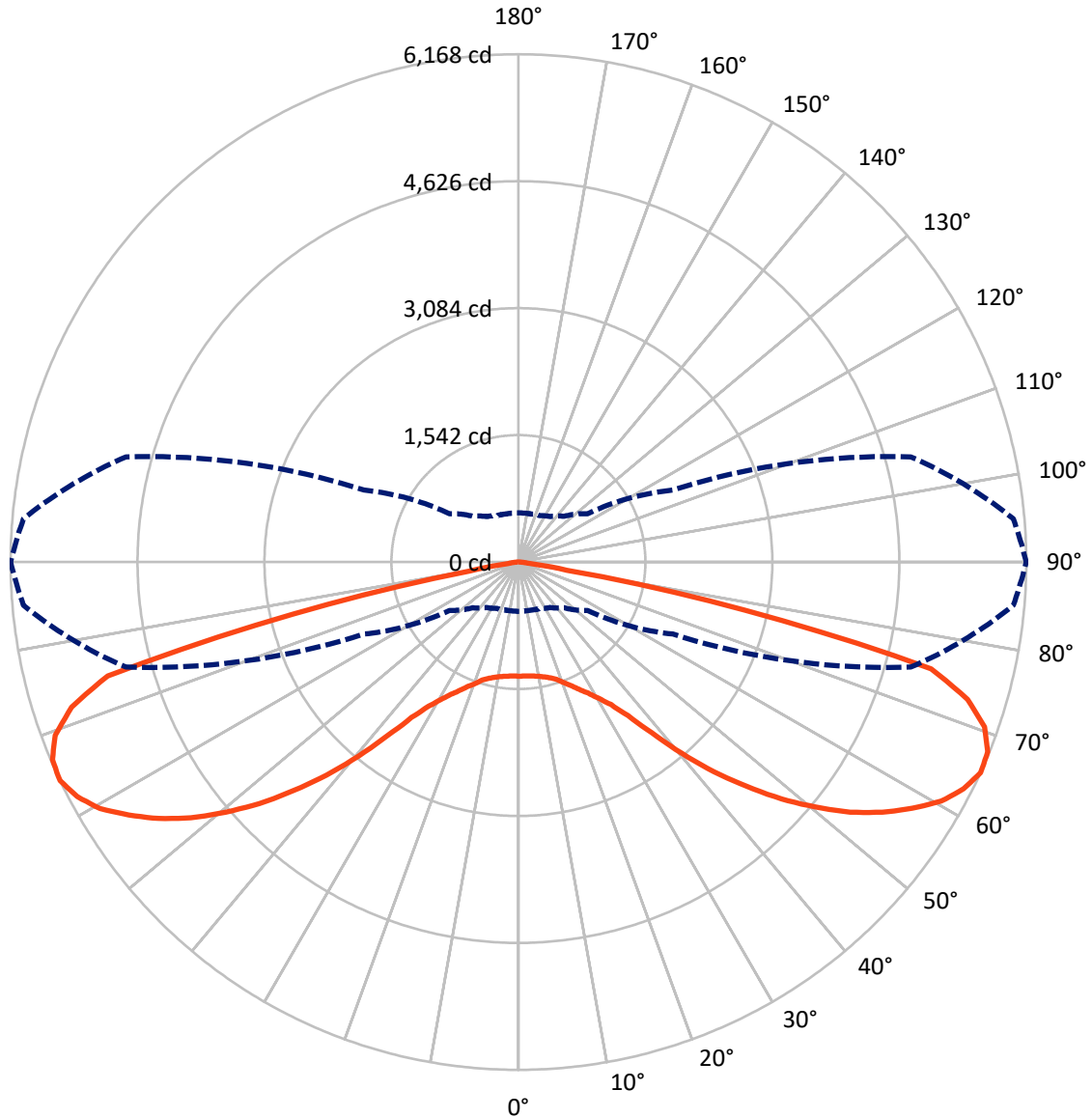
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type I - Short - N/A

REPORT NUMBER: P507663  
CATALOG NUMBER: VERD-S-CA1-70-722-U-T1

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P507663

CATALOG NUMBER: VERD-S-CA1-70-722-U-T1

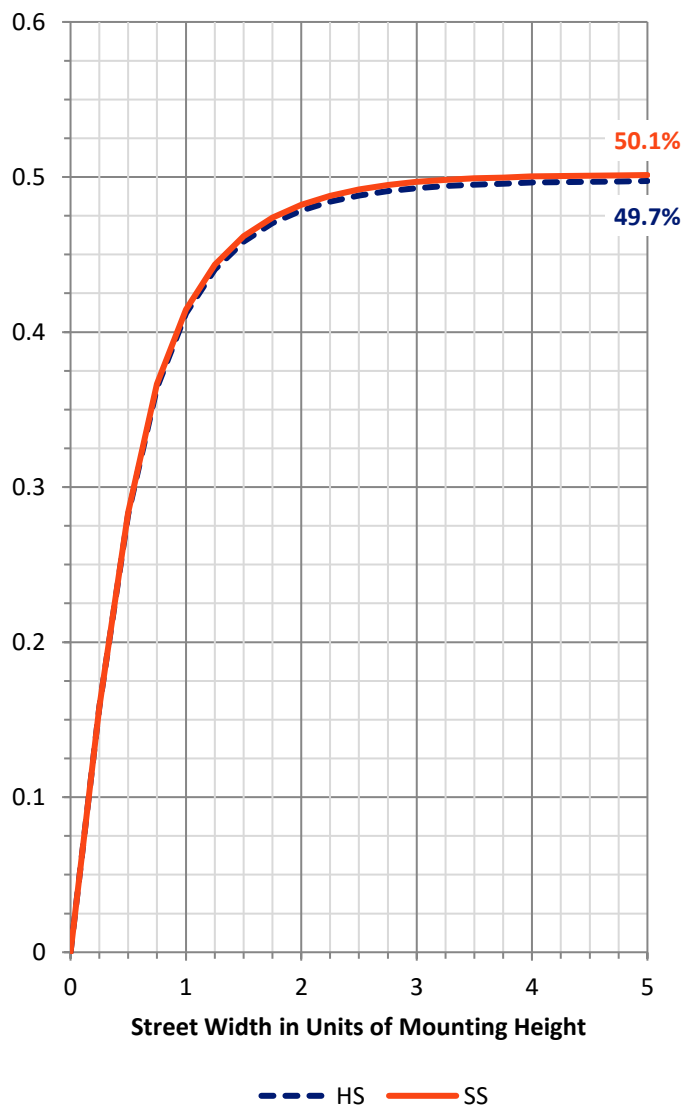
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4176.0	0.0	4176.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4176.0	0.0	4176.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8352.0	0.0	8352.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.7	1.6
10°-20°	396.1	4.7
20°-30°	656.0	7.9
30°-40°	949.5	11.4
40°-50°	1374.4	16.5
50°-60°	1789.0	21.4
60°-70°	1889.6	22.6
70°-80°	1112.2	13.3
80°-90°	52.5	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°	8352.0	100.0
0°-180°	8352.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P507663

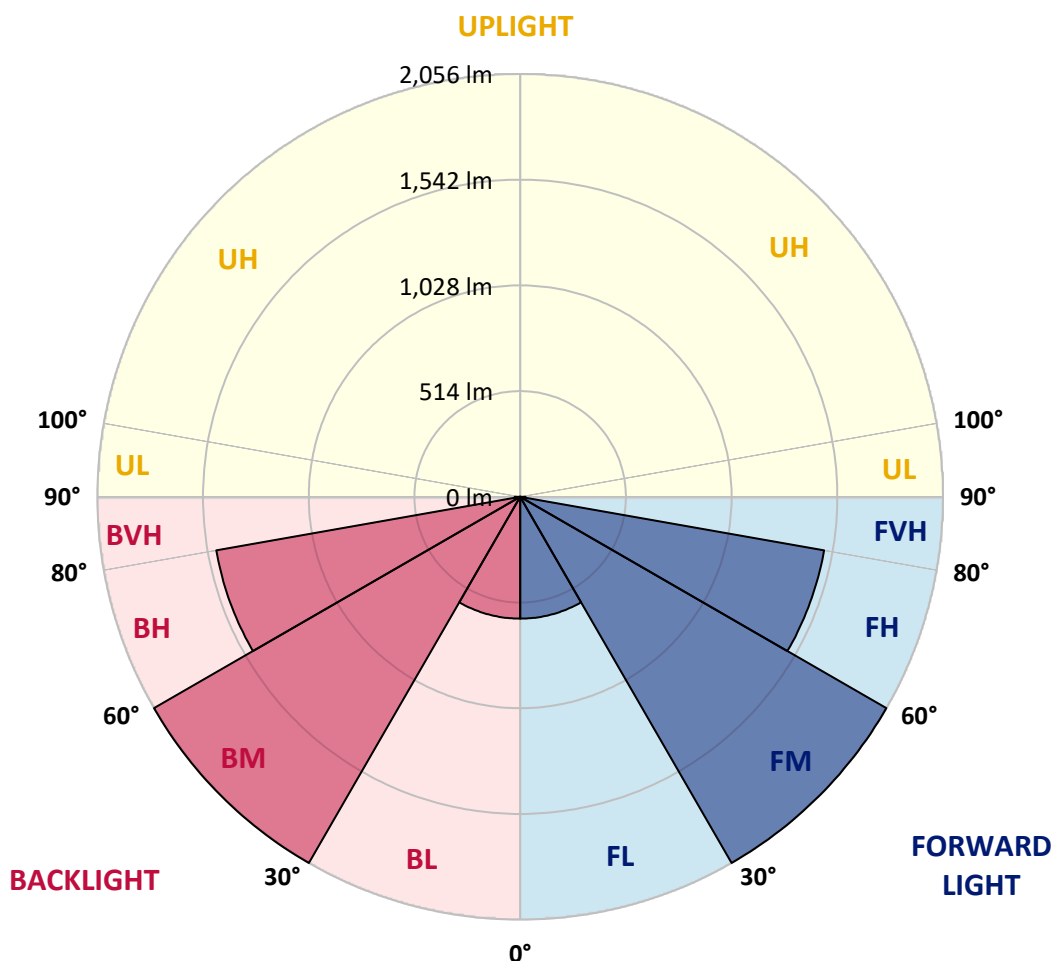
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	592.4	7.1			
FM (30°-60°)	2056.5	24.6			
FH (60°-80°)	1500.9	18.0			G1/1800
FVH (80°-90°)	26.3	0.3			G1/100
BL (0°-30°)	592.4	7.1	B2/1000		
BM (30°-60°)	2056.5	24.6	B2/2500		
BH (60°-80°)	1500.9	18.0	B3/2500		G3/2500
BVH (80°-90°)	26.3	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0
2.5°	1391.6	1391.6	1393.8	1391.6	1391.6	1391.6	1391.6	1389.3	1387.0	1384.8	1384.8
5°	1389.3	1389.3	1389.3	1391.6	1391.6	1393.8	1393.8	1391.6	1391.6	1391.6	1389.3
7.5°	1380.2	1382.5	1382.5	1384.8	1387.0	1391.6	1393.8	1396.1	1398.4	1398.4	1398.4
10°	1368.9	1368.9	1371.1	1375.7	1382.5	1387.0	1398.4	1405.2	1409.7	1412.0	1412.0
12.5°	1350.7	1350.7	1355.2	1364.3	1378.0	1391.6	1405.2	1418.8	1427.9	1432.4	1432.4
15°	1328.0	1328.0	1334.8	1348.4	1373.4	1398.4	1421.1	1441.5	1455.1	1461.9	1459.7
17.5°	1294.0	1294.0	1303.0	1328.0	1366.6	1407.5	1446.1	1471.0	1491.5	1498.3	1498.3
20°	1248.6	1248.6	1264.4	1298.5	1353.0	1414.3	1468.8	1507.3	1536.9	1557.3	1561.8
22.5°	1191.8	1191.8	1216.8	1264.4	1330.3	1409.7	1484.6	1550.5	1602.7	1625.4	1627.7
25°	1126.0	1130.5	1164.6	1225.9	1309.8	1407.5	1509.6	1600.4	1668.5	1704.8	1711.7
27.5°	1064.7	1069.2	1112.3	1189.5	1289.4	1409.7	1532.3	1654.9	1752.5	1795.6	1802.5
30°	1007.9	1012.5	1057.9	1148.7	1273.5	1412.0	1559.6	1709.4	1838.8	1906.9	1920.5
32.5°	958.0	962.5	1007.9	1105.5	1250.8	1414.3	1593.6	1782.0	1950.0	2052.2	2063.5
35°	914.9	919.4	967.1	1060.1	1221.3	1418.8	1634.5	1868.3	2097.6	2263.3	2290.5
37.5°	878.5	883.1	923.9	1017.0	1187.3	1418.8	1677.6	1968.2	2290.5	2578.8	2628.8
40°	851.3	855.8	887.6	973.9	1146.4	1409.7	1716.2	2077.1	2519.8	2973.8	3055.6
42.5°	826.3	833.1	860.4	935.3	1103.3	1391.6	1757.1	2186.1	2790.0	3384.7	3482.3
45°	801.3	808.2	837.7	905.8	1057.9	1364.3	1782.0	2292.8	3094.1	3802.4	3886.4
47.5°	785.5	785.5	810.4	874.0	1014.7	1316.7	1788.8	2392.7	3407.4	4202.0	4299.6
50°	769.6	769.6	790.0	844.5	969.3	1255.4	1763.9	2488.0	3734.3	4581.1	4676.4
52.5°	749.1	746.9	767.3	817.2	926.2	1178.2	1704.8	2551.6	4068.0	4939.7	5046.4
55°	724.2	724.2	740.1	785.5	885.3	1101.0	1598.2	2581.1	4376.8	5250.7	5364.2
57.5°	696.9	694.7	710.5	746.9	839.9	1026.1	1455.1	2560.7	4628.7	5545.9	5641.2
60°	671.9	669.7	681.0	712.8	787.7	953.4	1309.8	2449.4	4830.8	5788.8	5897.7
62.5°	640.2	640.2	649.2	674.2	737.8	871.7	1164.6	2276.9	4930.7	5952.2	6068.0
65°	599.3	597.0	603.8	622.0	674.2	785.5	1023.8	2070.3	4932.9	6033.9	6167.9
67.5°	524.4	542.6	549.4	560.7	603.8	696.9	889.9	1886.5	4755.9	6018.0	6147.4
70°	424.5	483.5	483.5	490.3	522.1	597.0	765.0	1732.1	4363.1	5865.9	6004.4
72.5°	295.1	347.3	390.5	406.3	433.6	485.8	644.7	1545.9	3686.6	5518.6	5704.8
75°	109.0	102.2	147.6	247.4	274.7	320.1	472.2	1273.5	2980.6	4858.0	5175.8
77.5°	31.8	34.1	47.7	127.1	145.3	156.6	256.5	635.6	1380.2	2485.8	2812.7
80°	27.2	27.2	34.1	40.9	47.7	77.2	84.0	236.1	454.0	594.8	597.0
82.5°	20.4	20.4	25.0	29.5	36.3	45.4	49.9	81.7	115.8	120.3	120.3
85°	13.6	13.6	15.9	18.2	22.7	27.2	29.5	34.1	43.1	72.6	77.2
87.5°	6.8	6.8	9.1	9.1	11.4	11.4	13.6	20.4	22.7	34.1	34.1
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)