

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: P507719

Luminaire Tested: **VERD-S-CA1-80-727-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507719  
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-CA1-80-727-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2700K, 1500mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9552 lumens  
Efficiency: N/A  
Efficacy: 114.9 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): 83.1  
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

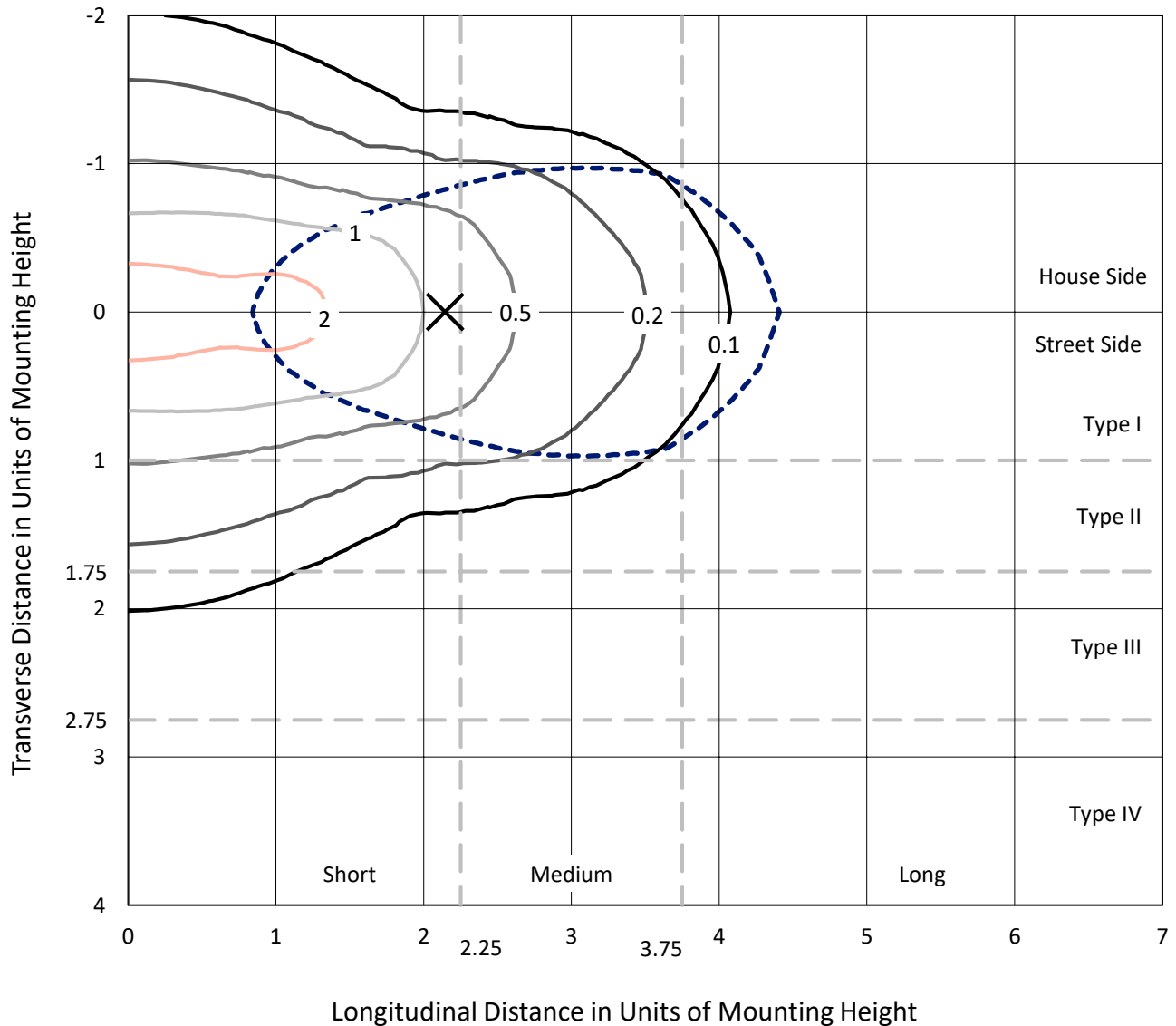


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### Iso-Footcandle Lines of Horizontal Illumination

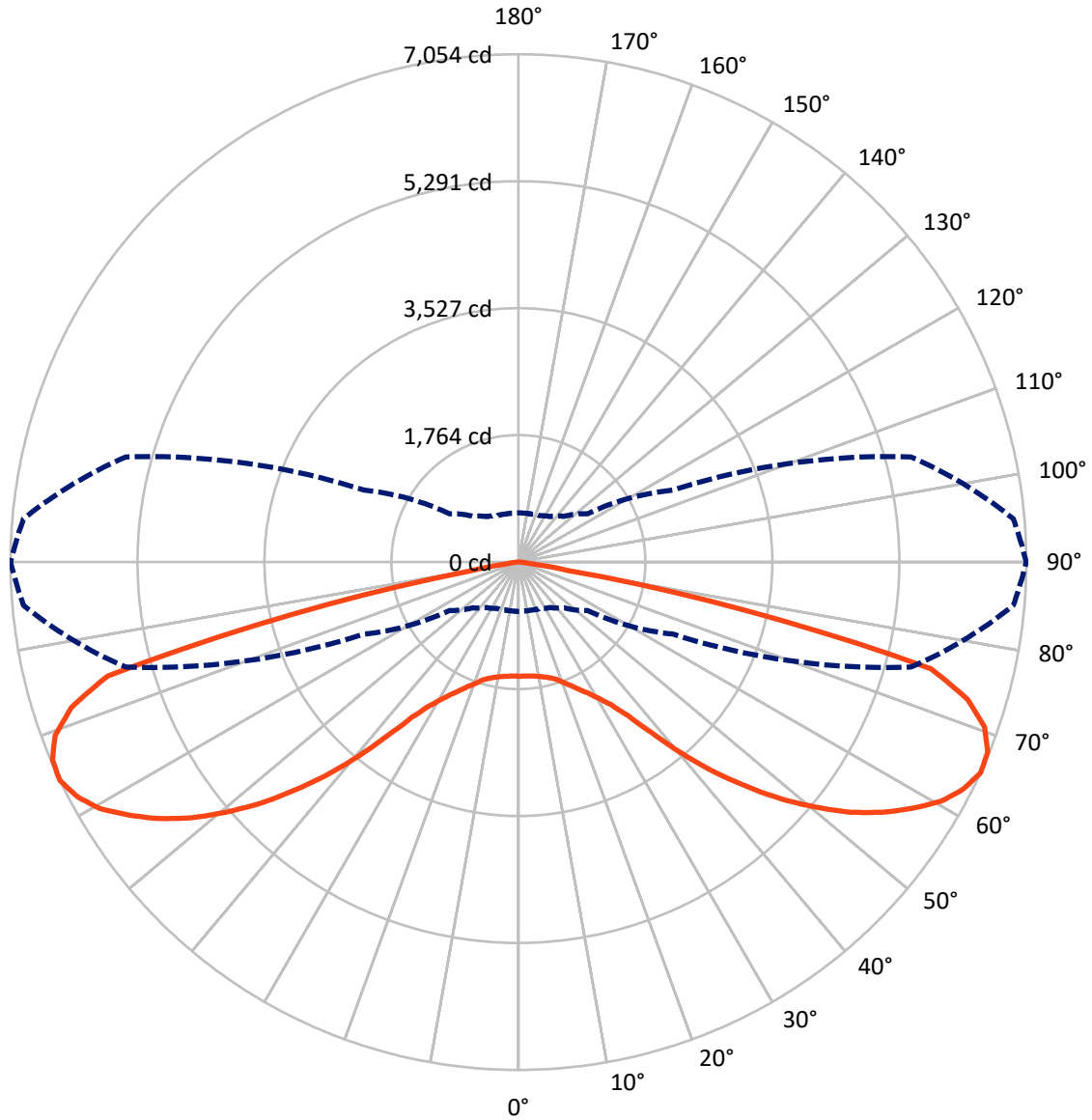
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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

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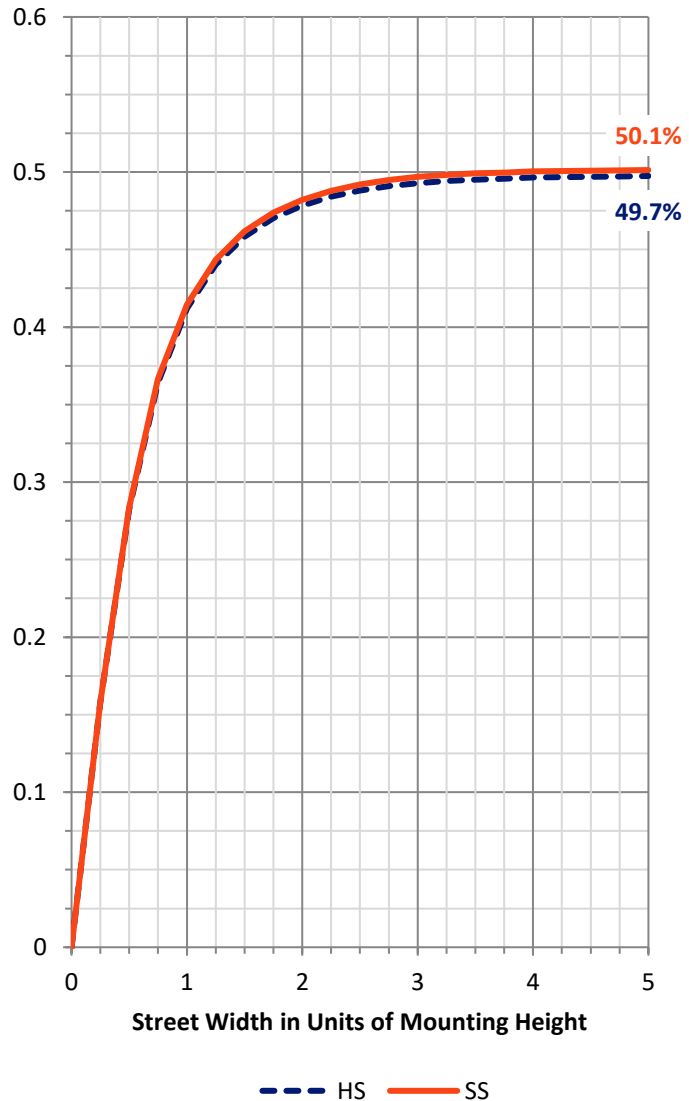
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4776.0	0.0	4776.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4776.0	0.0	4776.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9552.0	0.0	9552.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.8	1.6
10°-20°	453.0	4.7
20°-30°	750.3	7.9
30°-40°	1085.9	11.4
40°-50°	1571.9	16.5
50°-60°	2046.0	21.4
60°-70°	2161.1	22.6
70°-80°	1272.0	13.3
80°-90°	60.1	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°	9552.0	100.0
0°-180°	9552.0	100.0



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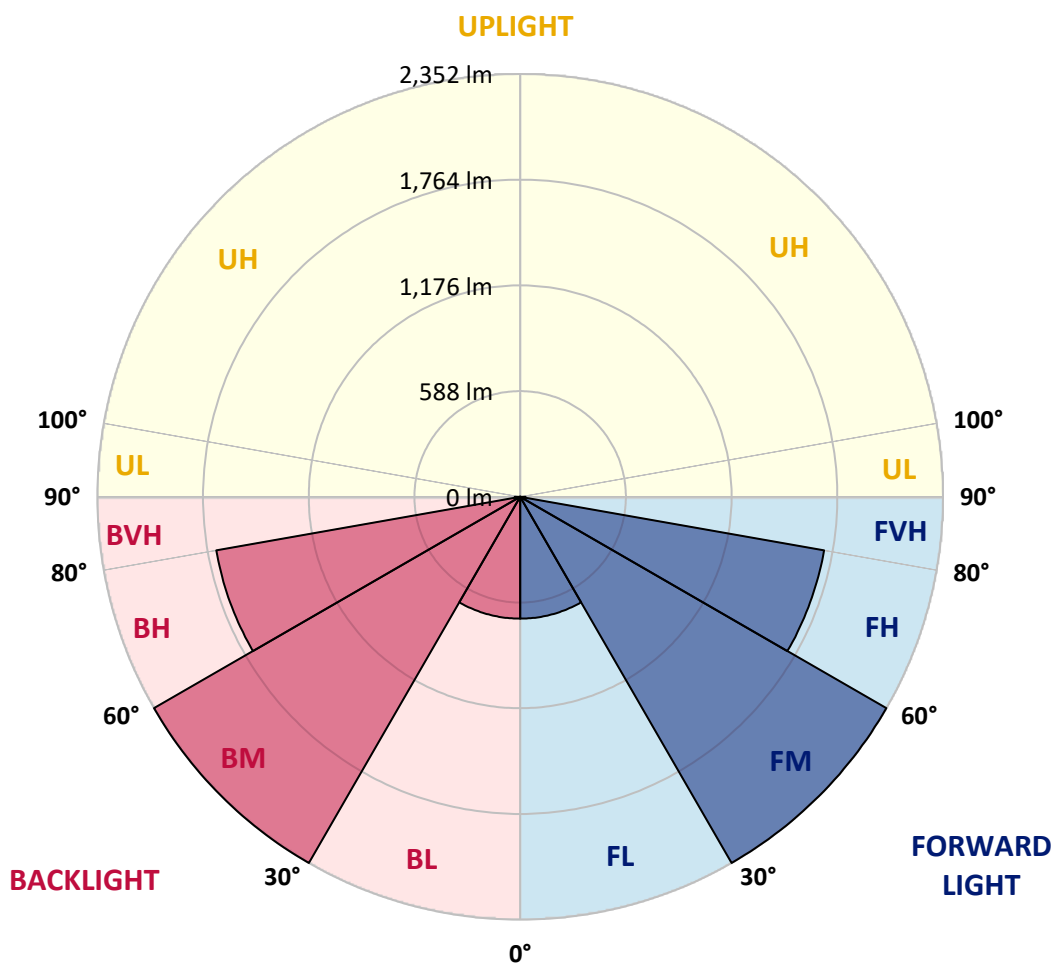
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	677.5	7.1			
FM (30°-60°)	2351.9	24.6			
FH (60°-80°)	1716.5	18.0			G1/1800
FVH (80°-90°)	30.0	0.3			G1/100
BL (0°-30°)	677.5	7.1	B2/1000		
BM (30°-60°)	2351.9	24.6	B2/2500		
BH (60°-80°)	1716.5	18.0	B3/2500		G3/2500
BVH (80°-90°)	30.0	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°	1586.3	1586.3	1586.3	1586.3	1586.3	1586.3	1586.3	1586.3	1586.3	1586.3	1586.3
2.5°	1591.5	1591.5	1594.1	1591.5	1591.5	1591.5	1591.5	1588.9	1586.3	1583.7	1583.7
5°	1588.9	1588.9	1588.9	1591.5	1591.5	1594.1	1594.1	1591.5	1591.5	1591.5	1588.9
7.5°	1578.5	1581.1	1581.1	1583.7	1586.3	1591.5	1594.1	1596.7	1599.3	1599.3	1599.3
10°	1565.5	1565.5	1568.1	1573.3	1581.1	1586.3	1599.3	1607.1	1612.3	1614.9	1614.9
12.5°	1544.8	1544.8	1550.0	1560.4	1575.9	1591.5	1607.1	1622.7	1633.0	1638.2	1638.2
15°	1518.8	1518.8	1526.6	1542.2	1570.7	1599.3	1625.3	1648.6	1664.2	1672.0	1669.4
17.5°	1479.9	1479.9	1490.3	1518.8	1563.0	1609.7	1653.8	1682.4	1705.7	1713.5	1713.5
20°	1427.9	1427.9	1446.1	1485.1	1547.4	1617.5	1679.8	1723.9	1757.7	1781.0	1786.2
22.5°	1363.0	1363.0	1391.6	1446.1	1521.4	1612.3	1698.0	1773.2	1833.0	1858.9	1861.5
25°	1287.7	1292.9	1331.9	1402.0	1498.0	1609.7	1726.5	1830.4	1908.3	1949.8	1957.6
27.5°	1217.6	1222.8	1272.2	1360.4	1474.7	1612.3	1752.5	1892.7	2004.3	2053.6	2061.4
30°	1152.7	1157.9	1209.9	1313.7	1456.5	1614.9	1783.6	1955.0	2103.0	2180.9	2196.4
32.5°	1095.6	1100.8	1152.7	1264.4	1430.5	1617.5	1822.6	2038.1	2230.2	2347.0	2360.0
35°	1046.3	1051.5	1106.0	1212.5	1396.8	1622.7	1869.3	2136.7	2398.9	2588.5	2619.6
37.5°	1004.8	1009.9	1056.7	1163.1	1357.8	1622.7	1918.6	2251.0	2619.6	2949.4	3006.5
40°	973.6	978.8	1015.1	1113.8	1311.1	1612.3	1962.8	2375.6	2881.9	3401.1	3494.6
42.5°	945.0	952.8	984.0	1069.7	1261.8	1591.5	2009.5	2500.2	3190.8	3871.0	3982.7
45°	916.5	924.3	958.0	1035.9	1209.9	1560.4	2038.1	2622.2	3538.7	4348.7	4444.8
47.5°	898.3	898.3	926.9	999.6	1160.5	1505.8	2045.9	2736.5	3897.0	4805.7	4917.3
50°	880.1	880.1	903.5	965.8	1108.6	1435.7	2017.3	2845.5	4270.9	5239.3	5348.3
52.5°	856.8	854.2	877.5	934.7	1059.3	1347.5	1949.8	2918.2	4652.5	5649.5	5771.5
55°	828.2	828.2	846.4	898.3	1012.5	1259.2	1827.8	2952.0	5005.6	6005.2	6135.0
57.5°	797.1	794.5	812.6	854.2	960.6	1173.5	1664.2	2928.6	5293.8	6342.7	6451.7
60°	768.5	765.9	778.9	815.2	900.9	1090.4	1498.0	2801.4	5524.8	6620.5	6745.1
62.5°	732.1	732.1	742.5	771.1	843.8	997.0	1331.9	2604.1	5639.1	6807.4	6939.8
65°	685.4	682.8	690.6	711.4	771.1	898.3	1170.9	2367.8	5641.7	6900.9	7054.0
67.5°	599.7	620.5	628.3	641.3	690.6	797.1	1017.7	2157.5	5439.2	6882.7	7030.7
70°	485.5	553.0	553.0	560.8	597.1	682.8	874.9	1980.9	4990.0	6708.7	6867.1
72.5°	337.5	397.2	446.6	464.7	495.9	555.6	737.3	1768.1	4216.3	6311.5	6524.4
75°	124.6	116.8	168.8	283.0	314.1	366.1	540.0	1456.5	3408.9	5556.0	5919.5
77.5°	36.3	38.9	54.5	145.4	166.2	179.1	293.4	727.0	1578.5	2842.9	3216.8
80°	31.2	31.2	38.9	46.7	54.5	88.3	96.1	270.0	519.3	680.2	682.8
82.5°	23.4	23.4	28.6	33.8	41.5	51.9	57.1	93.5	132.4	137.6	137.6
85°	15.6	15.6	18.2	20.8	26.0	31.2	33.8	38.9	49.3	83.1	88.3
87.5°	7.8	7.8	10.4	10.4	13.0	13.0	15.6	23.4	26.0	38.9	38.9
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)