

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: P507711

Luminaire Tested: **VERD-S-CA1-80-722-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507711  
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-CA1-80-722-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 1500mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9193 lumens  
Efficiency: N/A  
Efficacy: 110.6 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

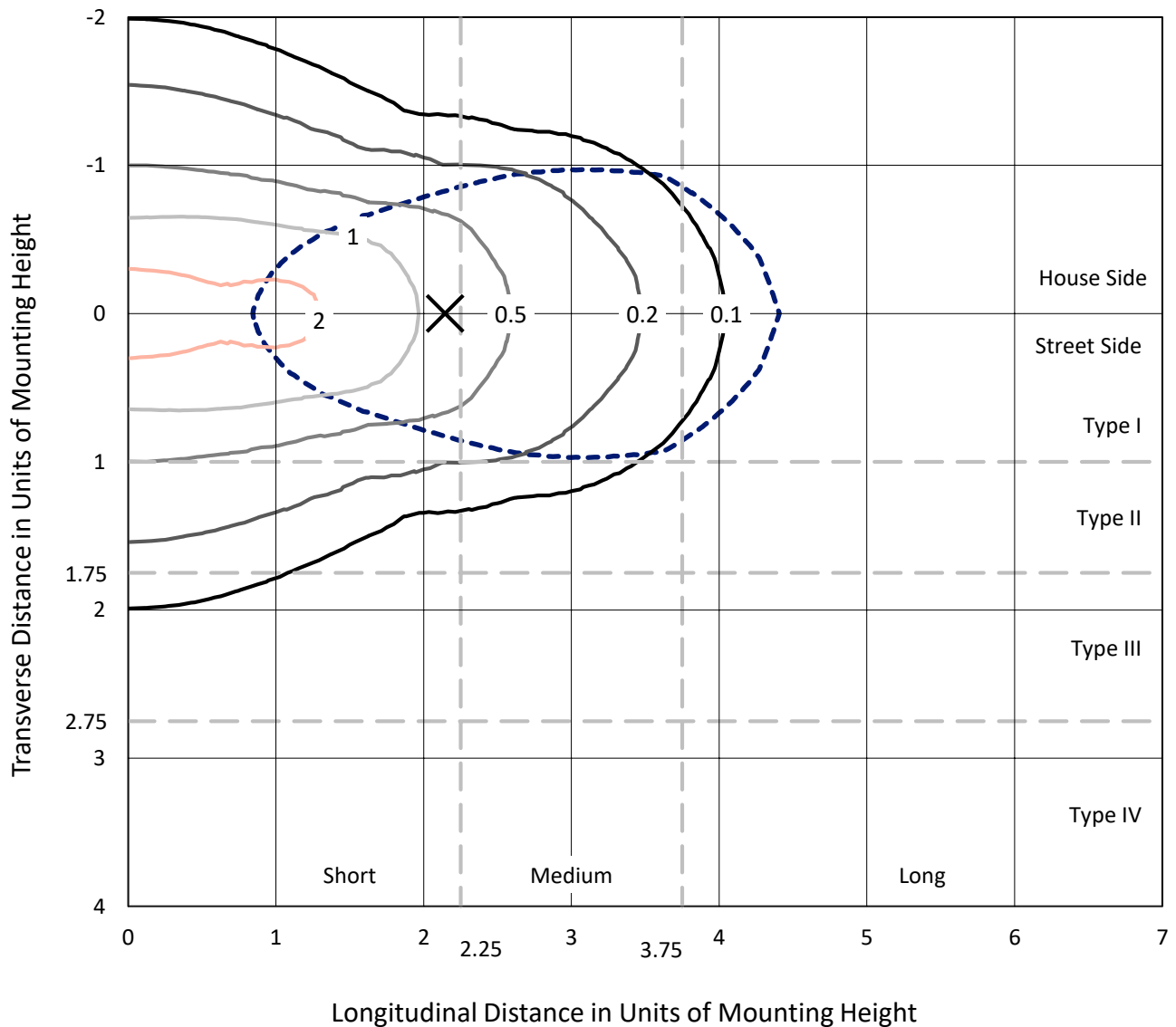
Input Watts (W): 83.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

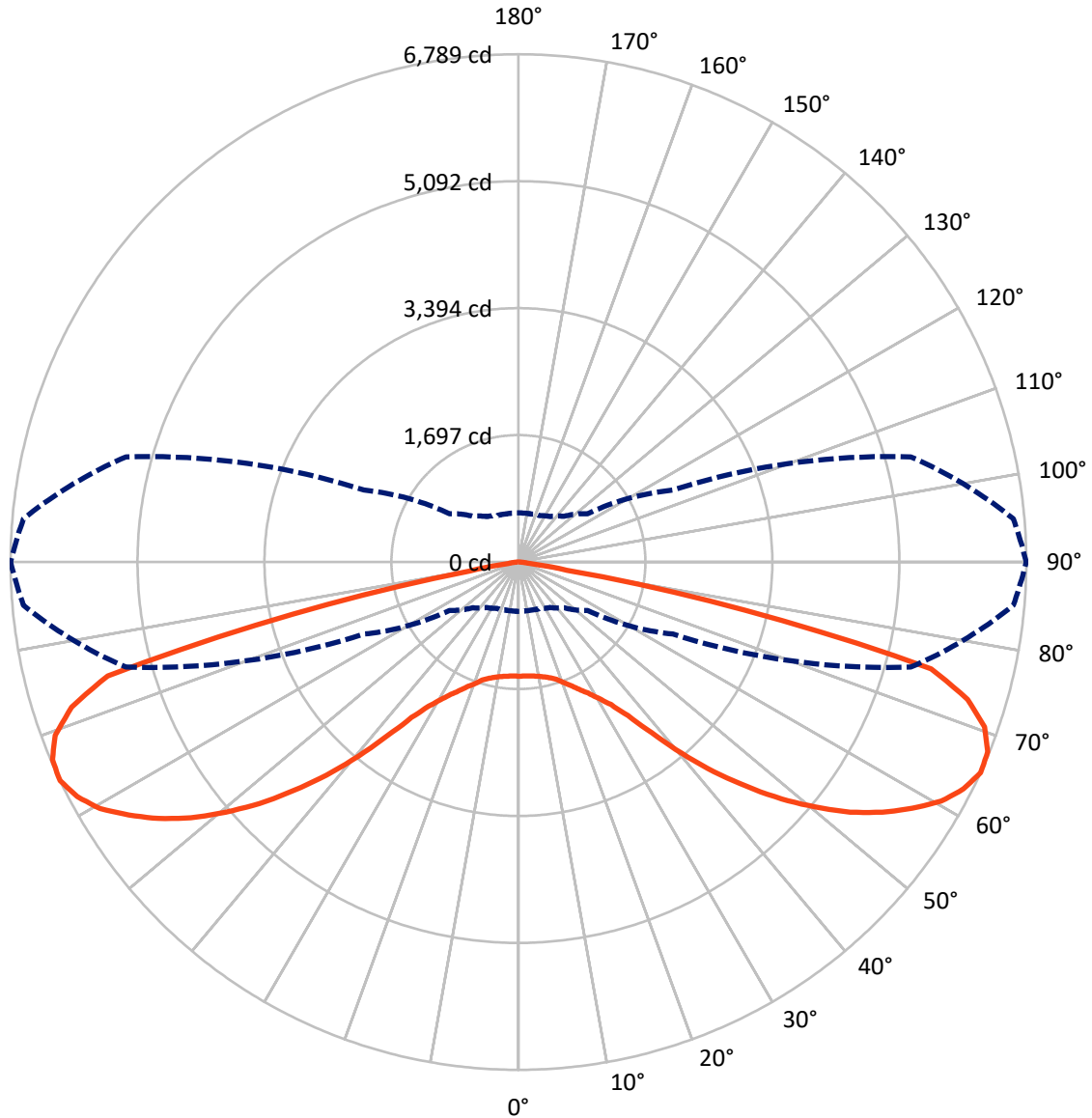
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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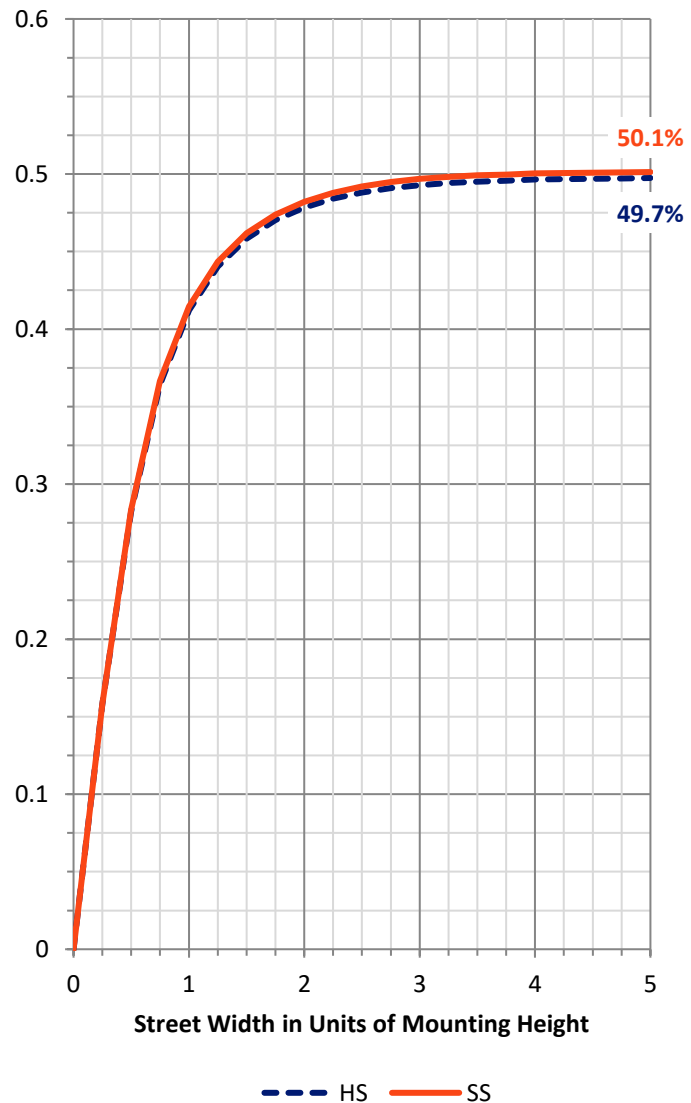
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4596.5	0.0	4596.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4596.5	0.0	4596.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9193.0	0.0	9193.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.1	1.6
10°-20°	436.0	4.7
20°-30°	722.1	7.9
30°-40°	1045.1	11.4
40°-50°	1512.8	16.5
50°-60°	1969.1	21.4
60°-70°	2079.8	22.6
70°-80°	1224.2	13.3
80°-90°	57.8	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°	9193.0	100.0
0°-180°	9193.0	100.0



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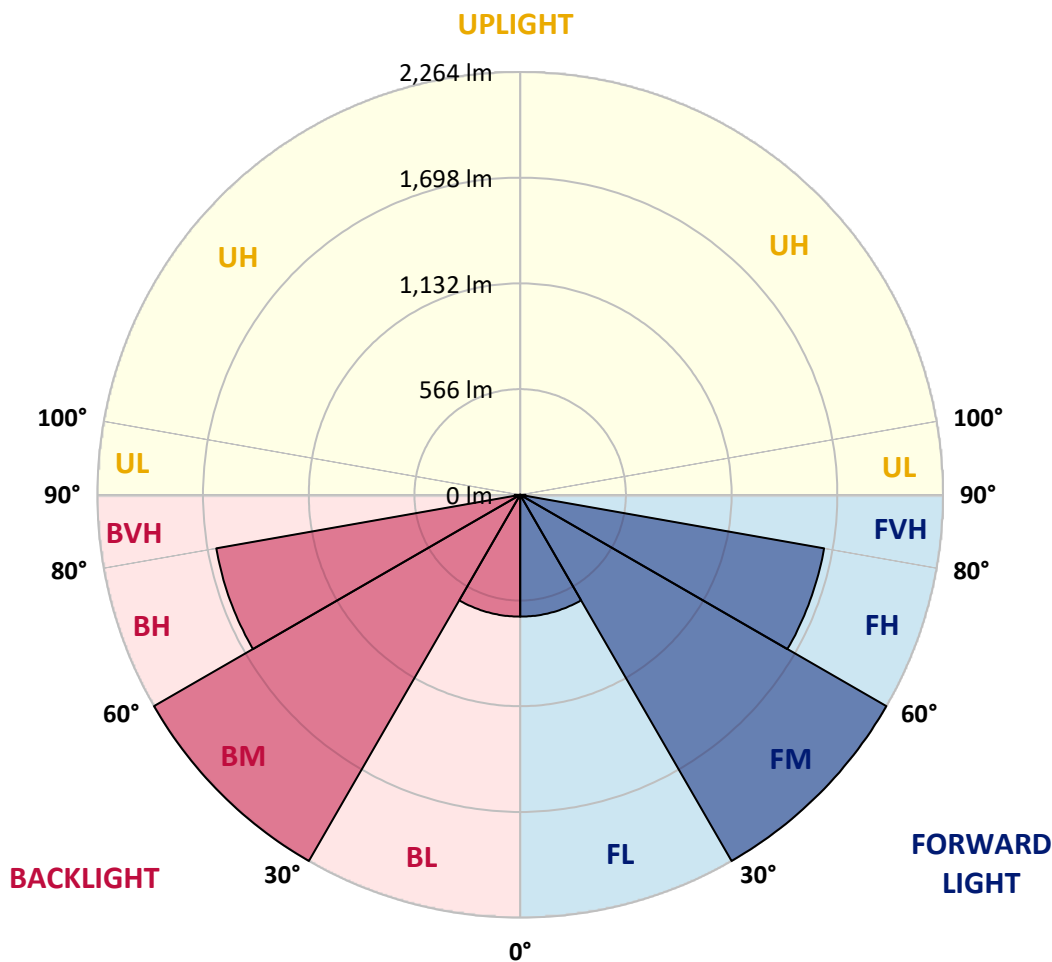
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	652.1	7.1			
FM	(30°-60°)	2263.5	24.6			
FH	(60°-80°)	1652.0	18.0			G1/1800
FVH	(80°-90°)	28.9	0.3			G1/100
BL	(0°-30°)	652.1	7.1	B2/1000		
BM	(30°-60°)	2263.5	24.6	B2/2500		
BH	(60°-80°)	1652.0	18.0	B3/2500		G3/2500
BVH	(80°-90°)	28.9	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1526.7	1526.7	1526.7	1526.7	1526.7	1526.7	1526.7	1526.7	1526.7	1526.7	1526.7
2.5°	1531.7	1531.7	1534.2	1531.7	1531.7	1531.7	1531.7	1529.2	1526.7	1524.2	1524.2
5°	1529.2	1529.2	1529.2	1531.7	1531.7	1534.2	1534.2	1531.7	1531.7	1531.7	1529.2
7.5°	1519.2	1521.7	1521.7	1524.2	1526.7	1531.7	1534.2	1536.7	1539.2	1539.2	1539.2
10°	1506.7	1506.7	1509.2	1514.2	1521.7	1526.7	1539.2	1546.7	1551.7	1554.2	1554.2
12.5°	1486.7	1486.7	1491.7	1501.7	1516.7	1531.7	1546.7	1561.7	1571.7	1576.7	1576.7
15°	1461.7	1461.7	1469.2	1484.2	1511.7	1539.2	1564.2	1586.7	1601.7	1609.2	1606.7
17.5°	1424.3	1424.3	1434.2	1461.7	1504.2	1549.2	1591.7	1619.1	1641.6	1649.1	1649.1
20°	1374.3	1374.3	1391.8	1429.2	1489.2	1556.7	1616.6	1659.1	1691.6	1714.1	1719.1
22.5°	1311.8	1311.8	1339.3	1391.8	1464.2	1551.7	1634.1	1706.6	1764.1	1789.1	1791.6
25°	1239.3	1244.3	1281.8	1349.3	1441.7	1549.2	1661.6	1761.6	1836.5	1876.5	1884.0
27.5°	1171.9	1176.9	1224.4	1309.3	1419.3	1551.7	1686.6	1821.5	1929.0	1976.5	1984.0
30°	1109.4	1114.4	1164.4	1264.3	1401.8	1554.2	1716.6	1881.5	2023.9	2098.9	2113.9
32.5°	1054.4	1059.4	1109.4	1216.9	1376.8	1556.7	1754.1	1961.5	2146.4	2258.8	2271.3
35°	1007.0	1012.0	1064.4	1166.9	1344.3	1561.7	1799.1	2056.4	2308.8	2491.2	2521.2
37.5°	967.0	972.0	1017.0	1119.4	1306.8	1561.7	1846.5	2166.4	2521.2	2838.5	2893.5
40°	937.0	942.0	977.0	1071.9	1261.8	1551.7	1889.0	2286.3	2773.5	3273.3	3363.2
42.5°	909.5	917.0	947.0	1029.5	1214.4	1531.7	1934.0	2406.2	3070.9	3725.5	3833.0
45°	882.0	889.5	922.0	997.0	1164.4	1501.7	1961.5	2523.7	3405.7	4185.3	4277.8
47.5°	864.5	864.5	892.0	962.0	1116.9	1449.2	1969.0	2633.6	3750.5	4625.1	4732.5
50°	847.1	847.1	869.5	929.5	1066.9	1381.8	1941.5	2738.6	4110.3	5042.3	5147.3
52.5°	824.6	822.1	844.6	899.5	1019.5	1296.8	1876.5	2808.5	4477.6	5437.1	5554.6
55°	797.1	797.1	814.6	864.5	974.5	1211.9	1759.1	2841.0	4817.5	5779.5	5904.4
57.5°	767.1	764.6	782.1	822.1	924.5	1129.4	1601.7	2818.5	5094.8	6104.3	6209.2
60°	739.6	737.1	749.6	784.6	867.0	1049.4	1441.7	2696.1	5317.2	6371.6	6491.6
62.5°	704.6	704.6	714.6	742.1	812.1	959.5	1281.8	2506.2	5427.1	6551.6	6679.0
65°	659.7	657.2	664.7	684.6	742.1	864.5	1126.9	2278.8	5429.6	6641.5	6788.9
67.5°	577.2	597.2	604.7	617.2	664.7	767.1	979.5	2076.4	5234.7	6624.0	6766.4
70°	467.3	532.2	532.2	539.7	574.7	657.2	842.1	1906.5	4802.5	6456.6	6609.0
72.5°	324.8	382.3	429.8	447.3	477.2	534.7	709.6	1701.6	4057.9	6074.3	6279.2
75°	119.9	112.4	162.4	272.4	302.3	352.3	519.7	1401.8	3280.8	5347.2	5697.0
77.5°	35.0	37.5	52.5	139.9	159.9	172.4	282.4	699.6	1519.2	2736.1	3095.9
80°	30.0	30.0	37.5	45.0	52.5	85.0	92.5	259.9	499.7	654.7	657.2
82.5°	22.5	22.5	27.5	32.5	40.0	50.0	55.0	90.0	127.4	132.4	132.4
85°	15.0	15.0	17.5	20.0	25.0	30.0	32.5	37.5	47.5	80.0	85.0
87.5°	7.5	7.5	10.0	10.0	12.5	12.5	15.0	22.5	25.0	37.5	37.5
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)