

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: P509291

Luminaire Tested: **VERD-CA2-70-722-U-T1**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509291  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-CA2-70-722-U-T1  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 980mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9123 lumens  
Efficiency: N/A  
Efficacy: 124.0 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

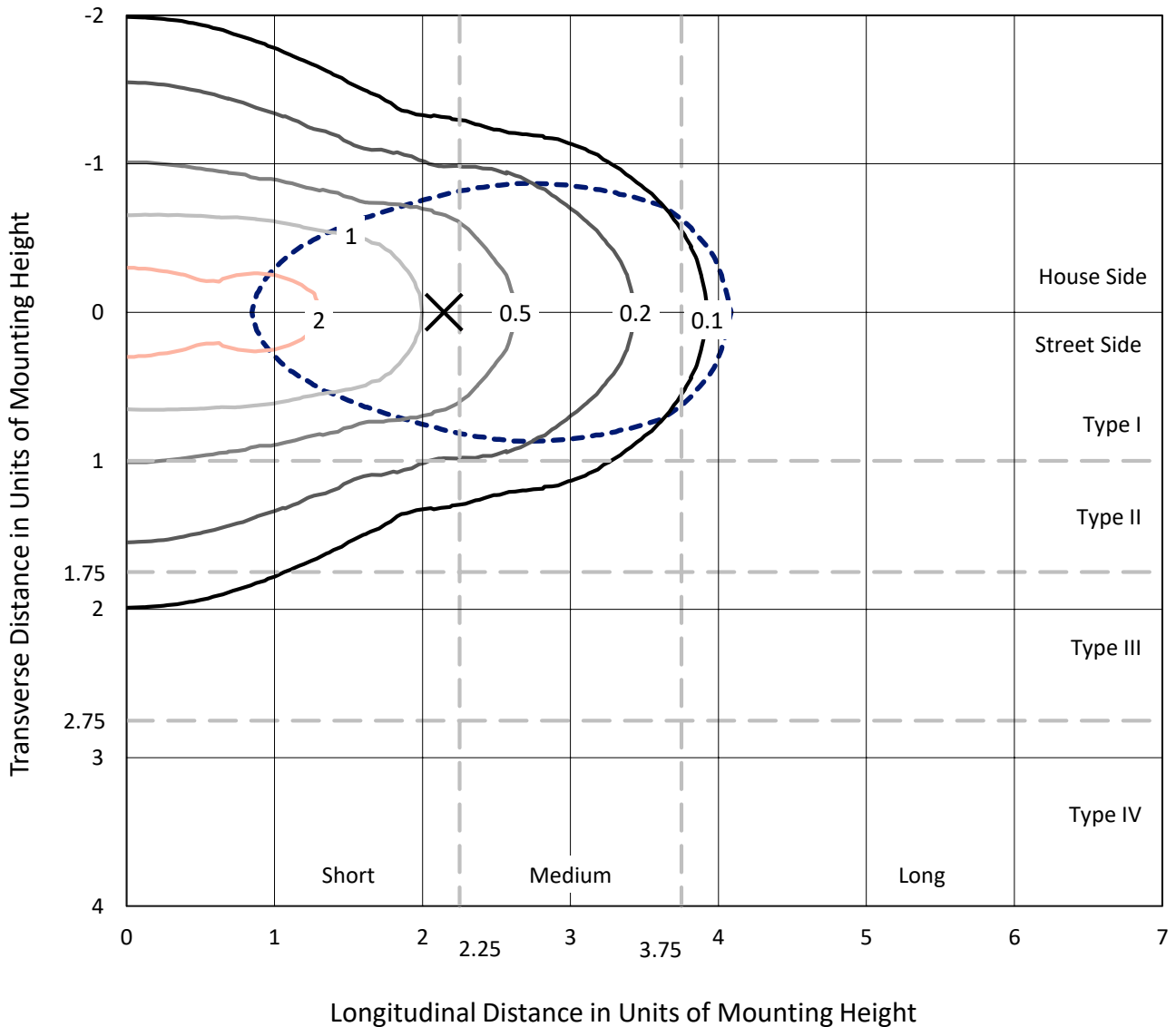
Input Watts (W): 73.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

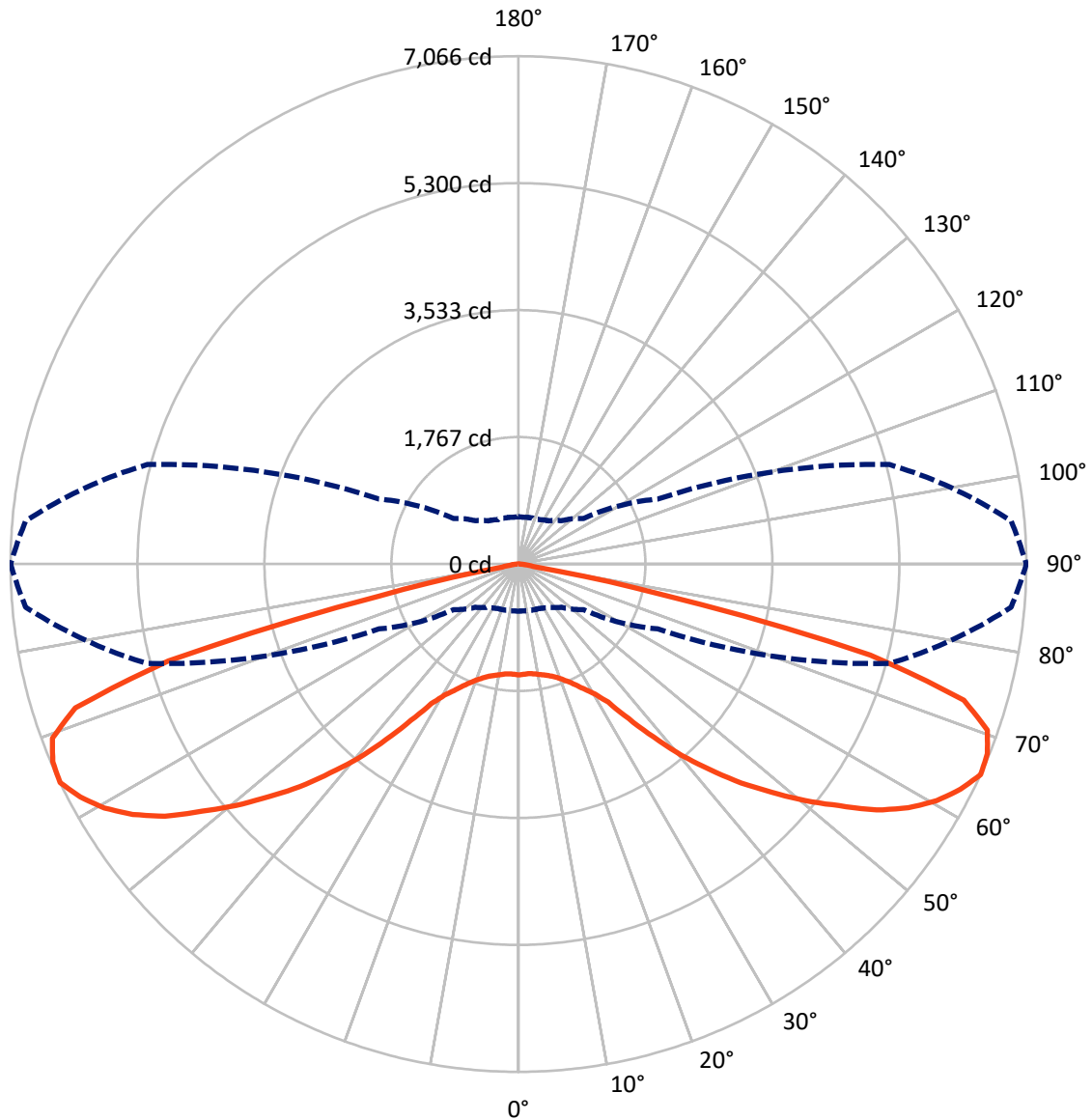
× Max cd  
 - - - 1/2 Max cd



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

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CATALOG NUMBER: VERD-CA2-70-722-U-T1

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: VERD-CA2-70-722-U-T1

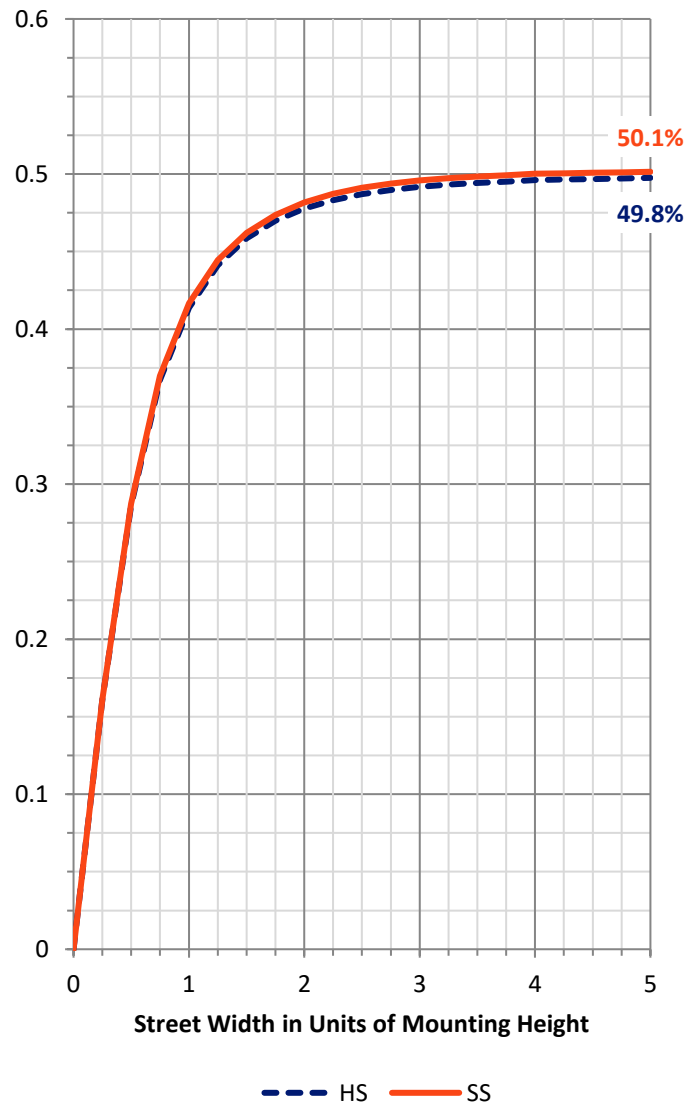
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4561.5	0.0	4561.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4561.5	0.0	4561.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9123.0	0.0	9123.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.4	1.6
10°-20°	436.1	4.8
20°-30°	720.1	7.9
30°-40°	1062.9	11.7
40°-50°	1546.6	17.0
50°-60°	1979.7	21.7
60°-70°	2070.3	22.7
70°-80°	1116.9	12.2
80°-90°	44.0	0.5
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°	9123.0	100.0
0°-180°	9123.0	100.0



REPORT NUMBER: P509291

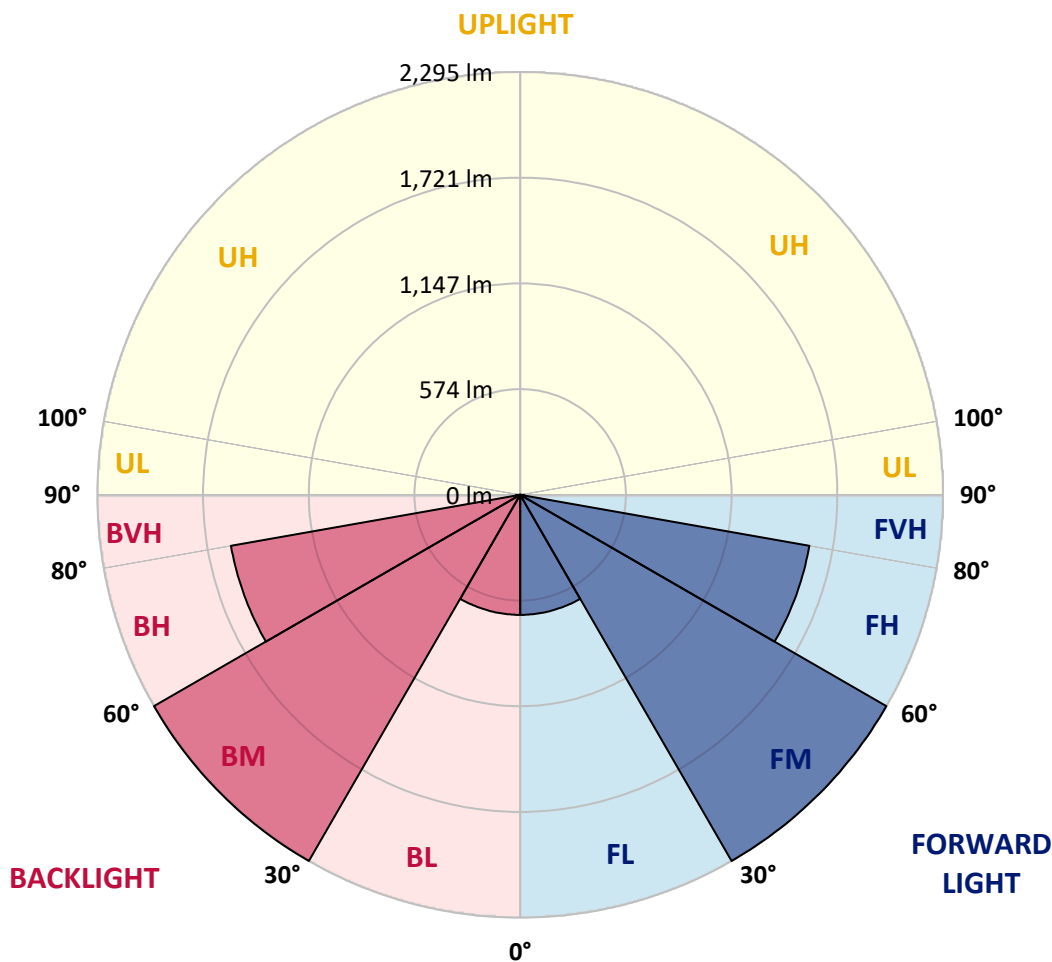
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	651.3	7.1			
FM (30°-60°)	2294.6	25.2			
FH (60°-80°)	1593.6	17.5			G1/1800
FVH (80°-90°)	22.0	0.2			G1/100
BL (0°-30°)	651.3	7.1	B2/1000		
BM (30°-60°)	2294.6	25.2	B2/2500		
BH (60°-80°)	1593.6	17.5	B3/2500		G3/2500
BVH (80°-90°)	22.0	0.2			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°	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6	1543.6
2.5°	1535.2	1540.8	1543.6	1542.6	1537.0	1537.0	1537.0	1537.0	1535.2	1534.3	1535.2
5°	1524.0	1528.7	1534.3	1531.5	1528.7	1531.5	1531.5	1531.5	1532.4	1532.4	1532.4
7.5°	1514.7	1521.3	1524.0	1527.8	1521.3	1528.7	1539.8	1541.7	1542.6	1542.6	1542.6
10°	1506.4	1512.0	1519.4	1518.5	1521.3	1532.4	1544.5	1558.4	1559.4	1562.1	1562.1
12.5°	1485.9	1493.4	1501.7	1507.3	1511.0	1537.0	1549.1	1566.8	1580.7	1582.6	1583.5
15°	1460.8	1465.5	1474.8	1487.8	1507.3	1535.2	1562.1	1584.4	1606.7	1612.3	1612.3
17.5°	1422.7	1428.3	1441.3	1459.9	1495.2	1540.8	1583.5	1613.3	1641.1	1649.5	1651.4
20°	1370.7	1380.9	1398.6	1431.1	1478.5	1544.5	1606.7	1651.4	1687.6	1706.2	1707.1
22.5°	1308.4	1315.9	1347.5	1393.9	1460.8	1544.5	1630.9	1696.0	1746.1	1774.9	1777.7
25°	1240.6	1247.1	1288.0	1353.0	1438.5	1545.4	1655.1	1745.2	1823.3	1861.4	1865.1
27.5°	1179.3	1185.8	1232.2	1311.2	1419.0	1548.2	1681.1	1805.6	1914.3	1965.5	1975.7
30°	1122.6	1125.4	1178.3	1265.7	1397.7	1550.1	1712.7	1871.6	2010.1	2092.8	2098.3
32.5°	1069.6	1077.0	1126.3	1220.2	1372.6	1552.8	1754.5	1965.5	2163.4	2287.9	2292.6
35°	1022.2	1028.7	1078.0	1173.7	1339.1	1560.3	1800.0	2085.3	2385.5	2602.9	2639.2
37.5°	984.1	990.6	1034.3	1124.4	1304.7	1558.4	1859.5	2231.2	2656.8	3000.7	3055.5
40°	953.5	960.9	996.2	1078.0	1259.2	1544.5	1921.8	2389.2	2952.4	3419.8	3501.6
42.5°	927.4	933.9	964.6	1037.1	1209.9	1522.2	1977.5	2532.3	3237.7	3846.3	3911.4
45°	897.7	905.1	934.9	1002.7	1164.4	1487.8	2014.7	2672.6	3526.7	4251.5	4344.4
47.5°	878.2	882.8	906.1	969.3	1113.3	1433.9	2021.2	2772.1	3836.1	4679.9	4744.0
50°	860.5	859.6	880.0	935.8	1065.9	1365.1	1986.8	2849.2	4130.7	5079.5	5175.2
52.5°	835.4	836.4	853.1	903.3	1019.4	1285.2	1905.0	2868.7	4433.7	5480.0	5584.1
55°	805.7	808.5	824.3	866.1	972.0	1206.2	1765.7	2833.4	4759.8	5875.9	6043.2
57.5°	776.9	775.0	790.8	828.0	920.9	1126.3	1606.7	2743.3	5073.0	6292.2	6397.2
60°	743.4	745.3	756.4	787.1	867.0	1041.7	1429.3	2587.1	5284.0	6613.8	6687.2
62.5°	705.3	705.3	715.6	738.8	804.8	949.7	1259.2	2380.8	5402.9	6781.0	6902.8
65°	657.0	654.2	665.4	682.1	732.3	851.2	1104.0	2138.3	5344.4	6882.3	7066.3
67.5°	605.0	599.4	605.0	612.4	649.6	745.3	946.9	1919.0	5071.1	6817.3	7038.5
70°	537.1	529.7	532.5	532.5	557.6	621.7	793.6	1733.1	4447.6	6607.3	6921.4
72.5°	439.6	436.8	441.4	437.7	456.3	499.0	657.9	1507.3	3624.2	6103.6	6480.9
75°	267.6	271.4	286.2	312.2	329.0	361.5	481.4	1192.3	2744.2	4604.6	5055.3
77.5°	111.5	124.5	137.5	142.2	160.8	157.1	217.5	540.8	1111.4	1833.5	1985.0
80°	37.2	38.1	84.6	93.9	103.2	84.6	82.7	181.2	317.8	268.6	225.8
82.5°	22.3	24.2	46.5	50.2	43.7	45.5	48.3	61.3	59.5	96.6	109.7
85°	11.2	12.1	20.4	23.2	23.2	27.9	27.9	29.7	33.5	58.5	63.2
87.5°	2.8	2.8	5.6	8.4	9.3	11.2	11.2	13.0	14.9	21.4	25.1
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)