

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: P509299

Luminaire Tested: **VERD-CA2-70-727-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509299
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-CA2-70-727-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 980mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9479 lumens
Efficiency: N/A
Efficacy: 128.8 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

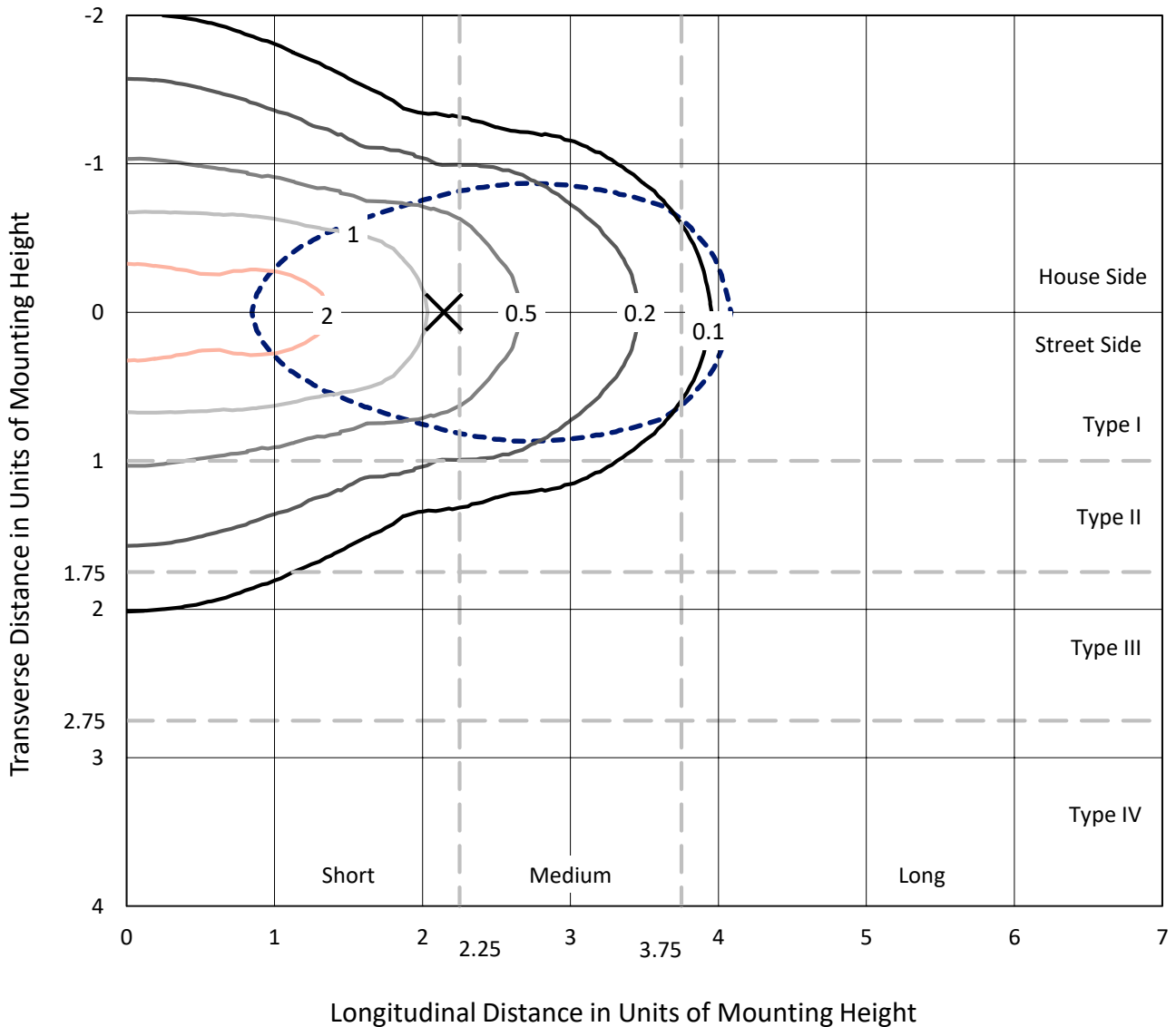
Input Watts (W): 73.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

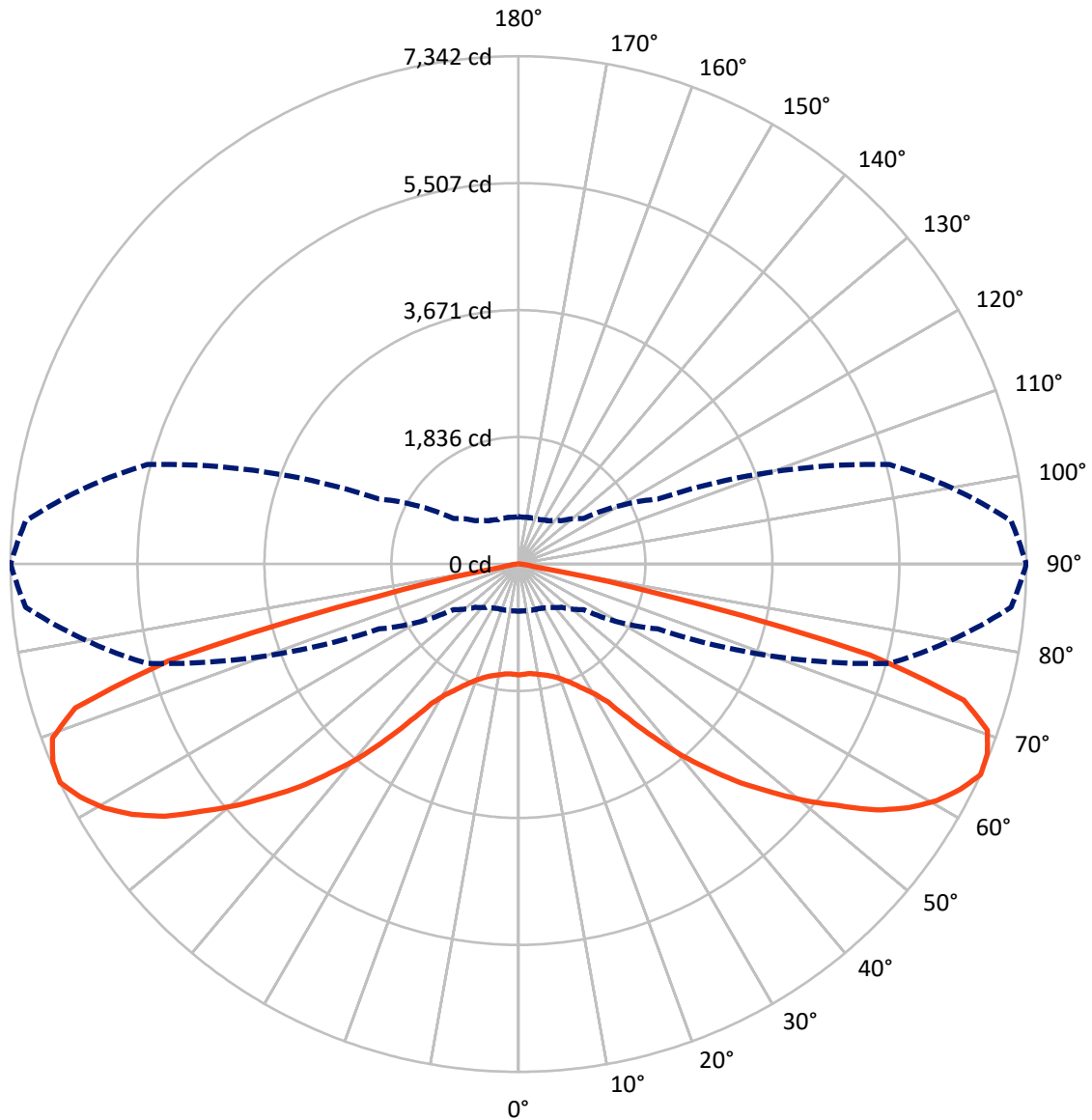
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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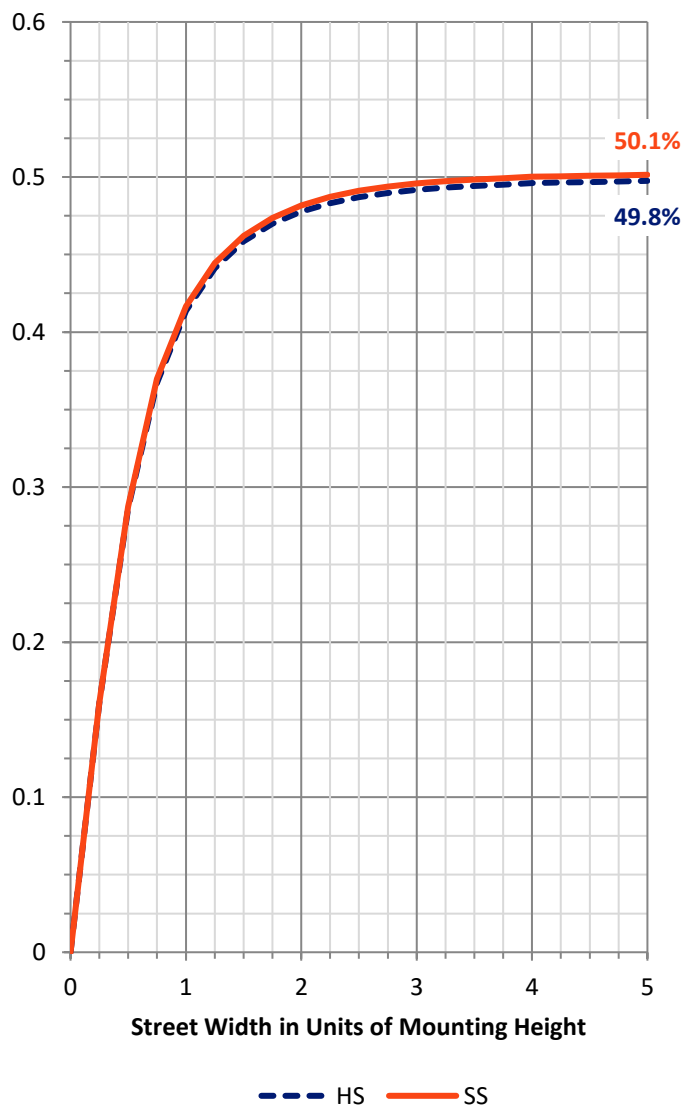
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4739.5	0.0	4739.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4739.5	0.0	4739.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9479.0	0.0	9479.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	1.6
10°-20°	453.1	4.8
20°-30°	748.2	7.9
30°-40°	1104.4	11.7
40°-50°	1606.9	17.0
50°-60°	2057.0	21.7
60°-70°	2151.1	22.7
70°-80°	1160.5	12.2
80°-90°	45.7	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°	9479.0	100.0
0°-180°	9479.0	100.0

Coefficient of Utilization



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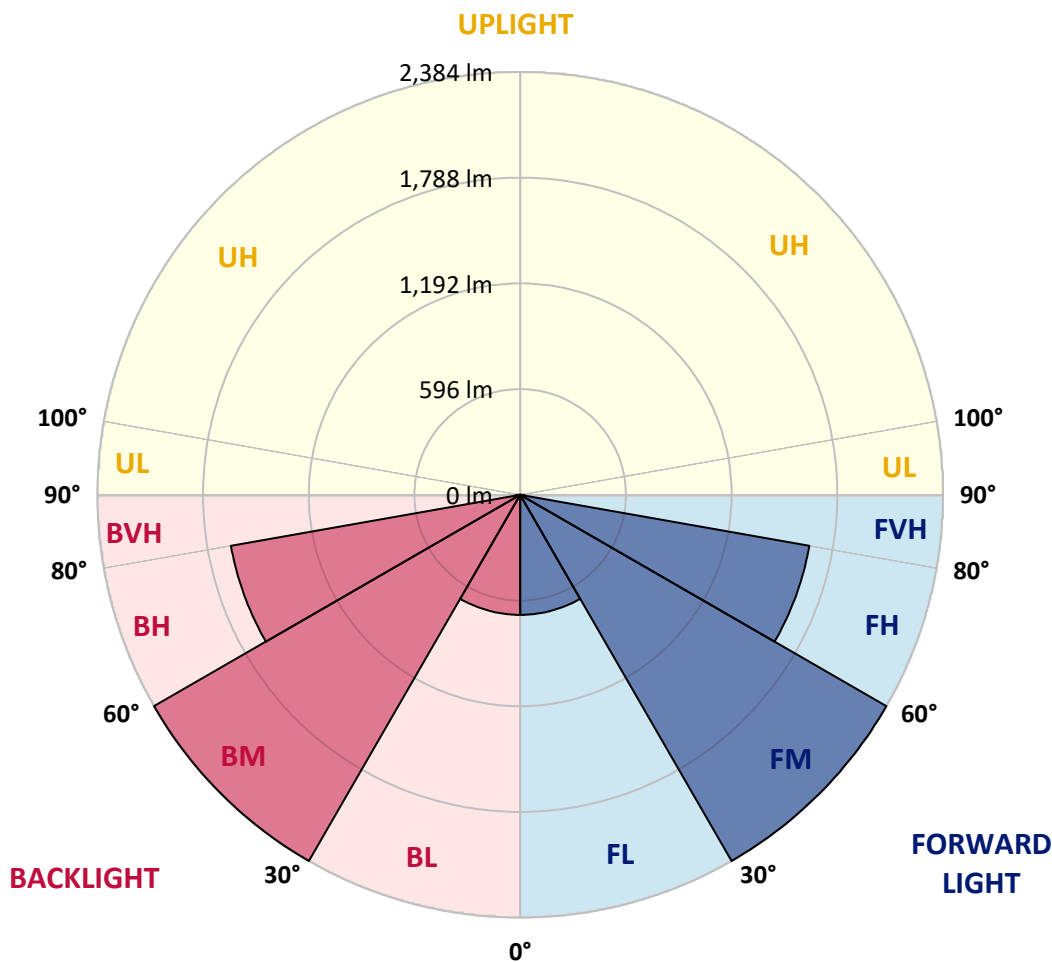
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	676.7	7.1			
FM (30°-60°)	2384.2	25.2			
FH (60°-80°)	1655.8	17.5			G1/1800
FVH (80°-90°)	22.8	0.2			G1/100
BL (0°-30°)	676.7	7.1	B2/1000		
BM (30°-60°)	2384.2	25.2	B2/2500		
BH (60°-80°)	1655.8	17.5	B3/2500		G3/2500
BVH (80°-90°)	22.8	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°	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8
2.5°	1595.1	1600.9	1603.8	1602.8	1597.0	1597.0	1597.0	1597.0	1595.1	1594.1	1595.1
5°	1583.5	1588.3	1594.1	1591.2	1588.3	1591.2	1591.2	1591.2	1592.2	1592.2	1592.2
7.5°	1573.9	1580.6	1583.5	1587.4	1580.6	1588.3	1599.9	1601.9	1602.8	1602.8	1602.8
10°	1565.2	1571.0	1578.7	1577.7	1580.6	1592.2	1604.8	1619.2	1620.2	1623.1	1623.1
12.5°	1543.9	1551.6	1560.3	1566.1	1570.0	1597.0	1609.6	1627.9	1642.4	1644.3	1645.3
15°	1517.9	1522.7	1532.3	1545.9	1566.1	1595.1	1623.1	1646.3	1669.4	1675.2	1675.2
17.5°	1478.3	1484.1	1497.6	1516.9	1553.6	1600.9	1645.3	1676.2	1705.2	1713.9	1715.8
20°	1424.2	1434.8	1453.2	1487.0	1536.2	1604.8	1669.4	1715.8	1753.4	1772.8	1773.7
22.5°	1359.5	1367.2	1400.1	1448.3	1517.9	1604.8	1694.5	1762.1	1814.3	1844.2	1847.1
25°	1289.0	1295.8	1338.3	1405.8	1494.7	1605.7	1719.7	1813.3	1894.4	1934.0	1937.9
27.5°	1225.3	1232.0	1280.3	1362.4	1474.4	1608.6	1746.7	1876.1	1989.0	2042.1	2052.8
30°	1166.4	1169.3	1224.3	1315.1	1452.2	1610.5	1779.5	1944.6	2088.5	2174.4	2180.2
32.5°	1111.4	1119.1	1170.3	1267.8	1426.1	1613.4	1823.0	2042.1	2247.8	2377.2	2382.0
35°	1062.1	1068.9	1120.0	1219.5	1391.4	1621.2	1870.3	2166.7	2478.6	2704.5	2742.2
37.5°	1022.5	1029.3	1074.7	1168.3	1355.6	1619.2	1932.1	2318.3	2760.5	3117.8	3174.7
40°	990.7	998.4	1035.1	1120.0	1308.3	1604.8	1996.8	2482.4	3067.6	3553.2	3638.2
42.5°	963.6	970.4	1002.2	1077.6	1257.2	1581.6	2054.7	2631.1	3364.0	3996.4	4064.0
45°	932.7	940.5	971.3	1041.8	1209.8	1545.9	2093.3	2776.9	3664.3	4417.4	4514.0
47.5°	912.4	917.3	941.4	1007.1	1156.7	1489.9	2100.1	2880.3	3985.8	4862.5	4929.2
50°	894.1	893.1	914.4	972.3	1107.5	1418.4	2064.4	2960.4	4291.9	5277.7	5377.2
52.5°	868.0	869.0	886.4	938.5	1059.2	1335.4	1979.4	2980.7	4606.7	5693.9	5802.0
55°	837.1	840.0	856.4	899.9	1010.0	1253.3	1834.6	2944.0	4945.6	6105.2	6279.0
57.5°	807.2	805.3	821.7	860.3	956.9	1170.3	1669.4	2850.3	5271.0	6537.8	6646.9
60°	772.4	774.4	786.0	817.8	900.9	1082.4	1485.0	2688.1	5490.1	6871.9	6948.1
62.5°	732.9	732.9	743.5	767.6	836.2	986.8	1308.3	2473.8	5613.7	7045.7	7172.1
65°	682.6	679.8	691.3	708.7	760.9	884.4	1147.1	2221.7	5552.9	7150.9	7342.1
67.5°	628.6	622.8	628.6	636.3	674.9	774.4	983.9	1993.9	5269.0	7083.3	7313.1
70°	558.1	550.4	553.3	553.3	579.3	646.0	824.6	1800.8	4621.1	6865.1	7191.5
72.5°	456.7	453.8	458.6	454.8	474.1	518.5	683.6	1566.1	3765.7	6341.8	6733.8
75°	278.1	281.9	297.4	324.4	341.8	375.6	500.2	1238.8	2851.3	4784.3	5252.6
77.5°	115.9	129.4	142.9	147.7	167.0	163.2	225.9	562.0	1154.8	1905.0	2062.4
80°	38.6	39.6	87.9	97.5	107.2	87.9	85.9	188.3	330.2	279.0	234.6
82.5°	23.2	25.1	48.3	52.1	45.4	47.3	50.2	63.7	61.8	100.4	113.9
85°	11.6	12.6	21.2	24.1	24.1	29.0	29.0	30.9	34.8	60.8	65.7
87.5°	2.9	2.9	5.8	8.7	9.7	11.6	11.6	13.5	15.4	22.2	26.1
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)