

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: P509283

Luminaire Tested: **VERD-CA2-60-760-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509283
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-CA2-60-760-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 850mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9785 lumens
Efficiency: N/A
Efficacy: 154.3 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

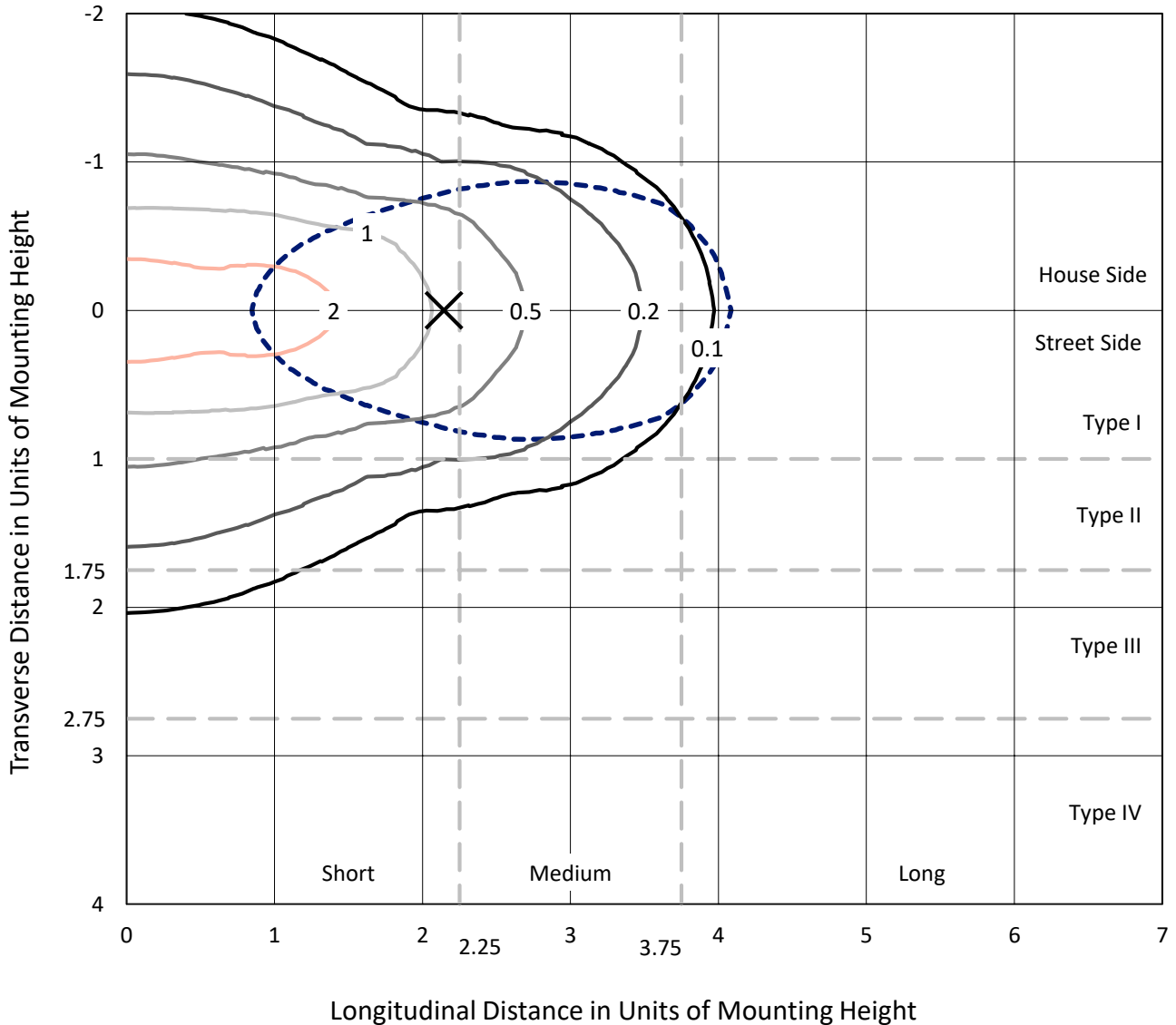
Input Watts (W): 63.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

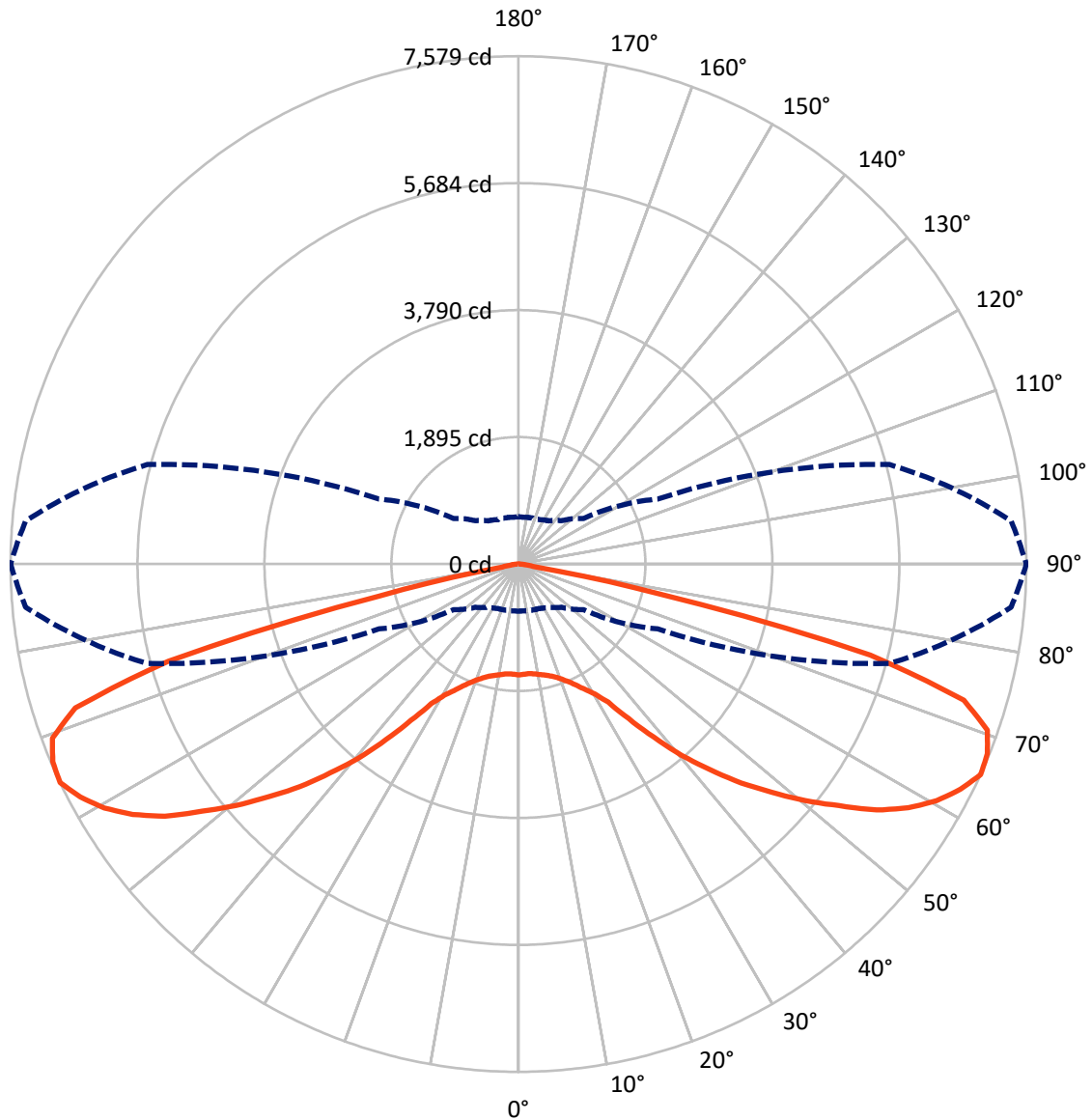
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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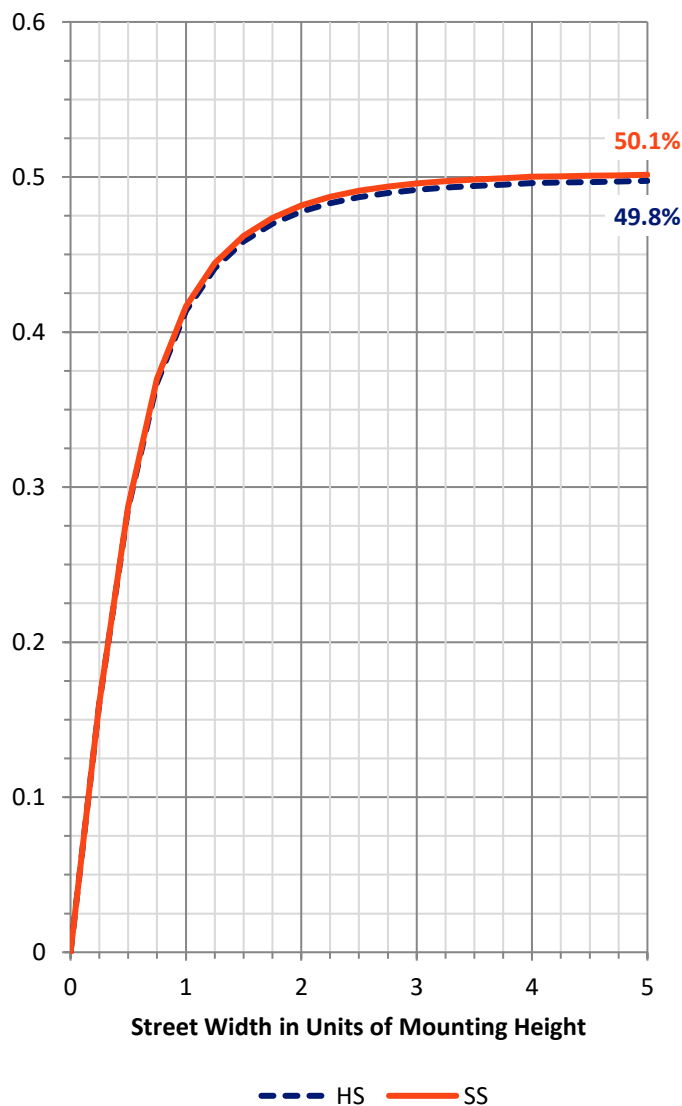
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4892.5	0.0	4892.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4892.5	0.0	4892.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9785.0	0.0	9785.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.0	1.6
10°-20°	467.7	4.8
20°-30°	772.4	7.9
30°-40°	1140.1	11.7
40°-50°	1658.8	17.0
50°-60°	2123.4	21.7
60°-70°	2220.5	22.7
70°-80°	1197.9	12.2
80°-90°	47.2	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°	9785.0	100.0
0°-180°	9785.0	100.0

Coefficient of Utilization



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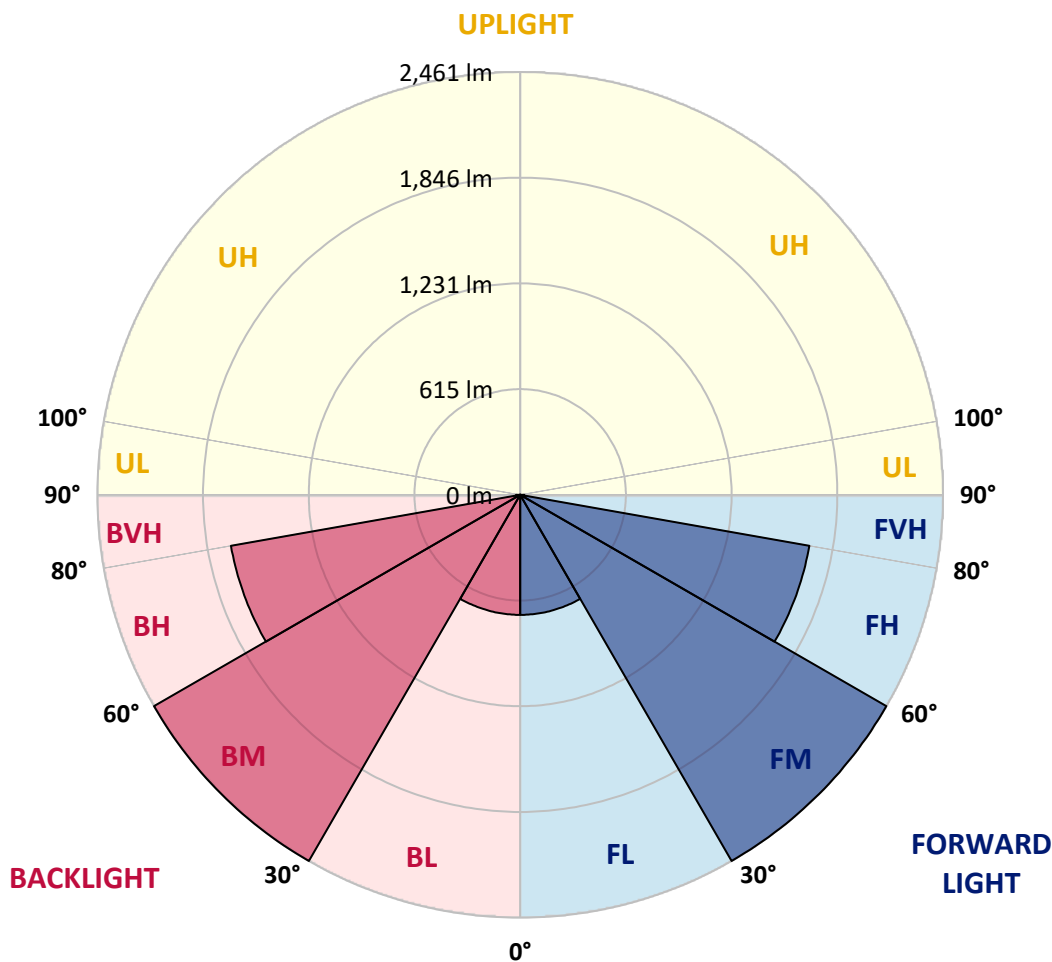
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	698.6	7.1			
FM	(30°-60°)	2461.1	25.2			
FH	(60°-80°)	1709.2	17.5			G1/1800
FVH	(80°-90°)	23.6	0.2			G1/100
BL	(0°-30°)	698.6	7.1	B2/1000		
BM	(30°-60°)	2461.1	25.2	B2/2500		
BH	(60°-80°)	1709.2	17.5	B3/2500		G3/2500
BVH	(80°-90°)	23.6	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°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6
2.5°	1646.6	1652.6	1655.6	1654.6	1648.6	1648.6	1648.6	1648.6	1646.6	1645.6	1646.6
5°	1634.6	1639.6	1645.6	1642.6	1639.6	1642.6	1642.6	1642.6	1643.6	1643.6	1643.6
7.5°	1624.7	1631.6	1634.6	1638.6	1631.6	1639.6	1651.6	1653.6	1654.6	1654.6	1654.6
10°	1615.7	1621.7	1629.6	1628.6	1631.6	1643.6	1656.6	1671.5	1672.5	1675.5	1675.5
12.5°	1593.8	1601.7	1610.7	1616.7	1620.7	1648.6	1661.5	1680.5	1695.4	1697.4	1698.4
15°	1566.9	1571.8	1581.8	1595.8	1616.7	1646.6	1675.5	1699.4	1723.3	1729.3	1729.3
17.5°	1526.0	1532.0	1545.9	1565.9	1603.7	1652.6	1698.4	1730.3	1760.2	1769.2	1771.2
20°	1470.2	1481.1	1500.1	1535.0	1585.8	1656.6	1723.3	1771.2	1810.1	1830.0	1831.0
22.5°	1403.4	1411.4	1445.3	1495.1	1566.9	1656.6	1749.3	1819.0	1872.8	1903.7	1906.7
25°	1330.6	1337.6	1381.5	1451.2	1542.9	1657.6	1775.2	1871.9	1955.6	1996.4	2000.4
27.5°	1264.8	1271.8	1321.7	1406.4	1522.0	1660.5	1803.1	1936.6	2053.3	2108.1	2119.0
30°	1204.0	1207.0	1263.8	1357.5	1499.1	1662.5	1837.0	2007.4	2155.9	2244.6	2250.6
32.5°	1147.2	1155.2	1208.0	1308.7	1472.2	1665.5	1881.8	2108.1	2320.4	2453.9	2458.9
35°	1096.4	1103.4	1156.2	1258.9	1436.3	1673.5	1930.7	2236.7	2558.6	2791.8	2830.7
37.5°	1055.5	1062.5	1109.4	1206.0	1399.4	1671.5	1994.4	2393.1	2849.6	3218.4	3277.2
40°	1022.6	1030.6	1068.5	1156.2	1350.6	1656.6	2061.2	2562.6	3166.6	3667.9	3755.7
42.5°	994.7	1001.7	1034.6	1112.3	1297.7	1632.6	2121.0	2716.1	3472.6	4125.4	4195.2
45°	962.8	970.8	1002.7	1075.5	1248.9	1595.8	2160.9	2866.6	3782.6	4560.0	4659.7
47.5°	941.9	946.9	971.8	1039.6	1194.1	1537.9	2167.9	2973.2	4114.5	5019.5	5088.3
50°	923.0	922.0	943.9	1003.7	1143.2	1464.2	2131.0	3056.0	4430.4	5448.1	5550.8
52.5°	896.1	897.1	915.0	968.8	1093.4	1378.5	2043.3	3076.9	4755.4	5877.7	5989.3
55°	864.2	867.2	884.1	928.9	1042.6	1293.7	1893.8	3039.0	5105.2	6302.3	6481.7
57.5°	833.3	831.3	848.2	888.1	987.8	1208.0	1723.3	2942.3	5441.1	6748.8	6861.5
60°	797.4	799.4	811.3	844.2	929.9	1117.3	1533.0	2774.9	5667.4	7093.7	7172.4
62.5°	756.5	756.5	767.5	792.4	863.2	1018.7	1350.6	2553.6	5795.0	7273.1	7403.7
65°	704.7	701.7	713.7	731.6	785.4	913.0	1184.1	2293.5	5732.2	7381.7	7579.1
67.5°	648.9	642.9	648.9	656.8	696.7	799.4	1015.7	2058.2	5439.1	7312.0	7549.2
70°	576.1	568.1	571.1	571.1	598.0	666.8	851.2	1858.9	4770.3	7086.7	7423.6
72.5°	471.5	468.5	473.4	469.5	489.4	535.2	705.7	1616.7	3887.2	6546.5	6951.2
75°	287.1	291.0	307.0	334.9	352.8	387.7	516.3	1278.8	2943.3	4938.8	5422.2
77.5°	119.6	133.6	147.5	152.5	172.4	168.4	233.2	580.1	1192.1	1966.5	2129.0
80°	39.9	40.9	90.7	100.7	110.6	90.7	88.7	194.4	340.9	288.1	242.2
82.5°	23.9	25.9	49.8	53.8	46.8	48.8	51.8	65.8	63.8	103.7	117.6
85°	12.0	13.0	21.9	24.9	24.9	29.9	29.9	31.9	35.9	62.8	67.8
87.5°	3.0	3.0	6.0	9.0	10.0	12.0	12.0	14.0	15.9	22.9	26.9
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)