

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: P509339

Luminaire Tested: **VERD-CA2-80-722-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509339
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-CA2-80-722-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1100mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10076 lumens
Efficiency: N/A
Efficacy: 122.3 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

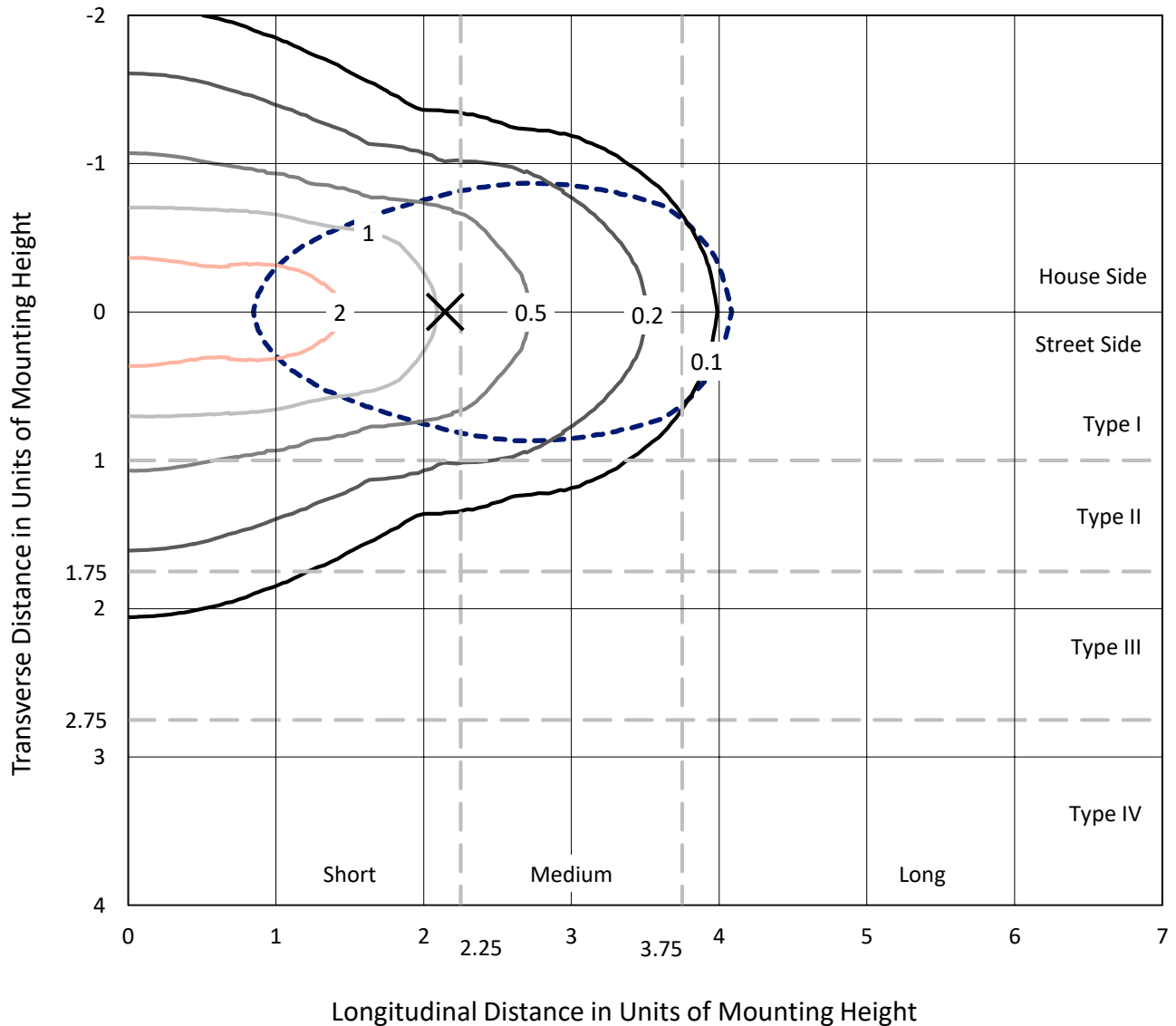
Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

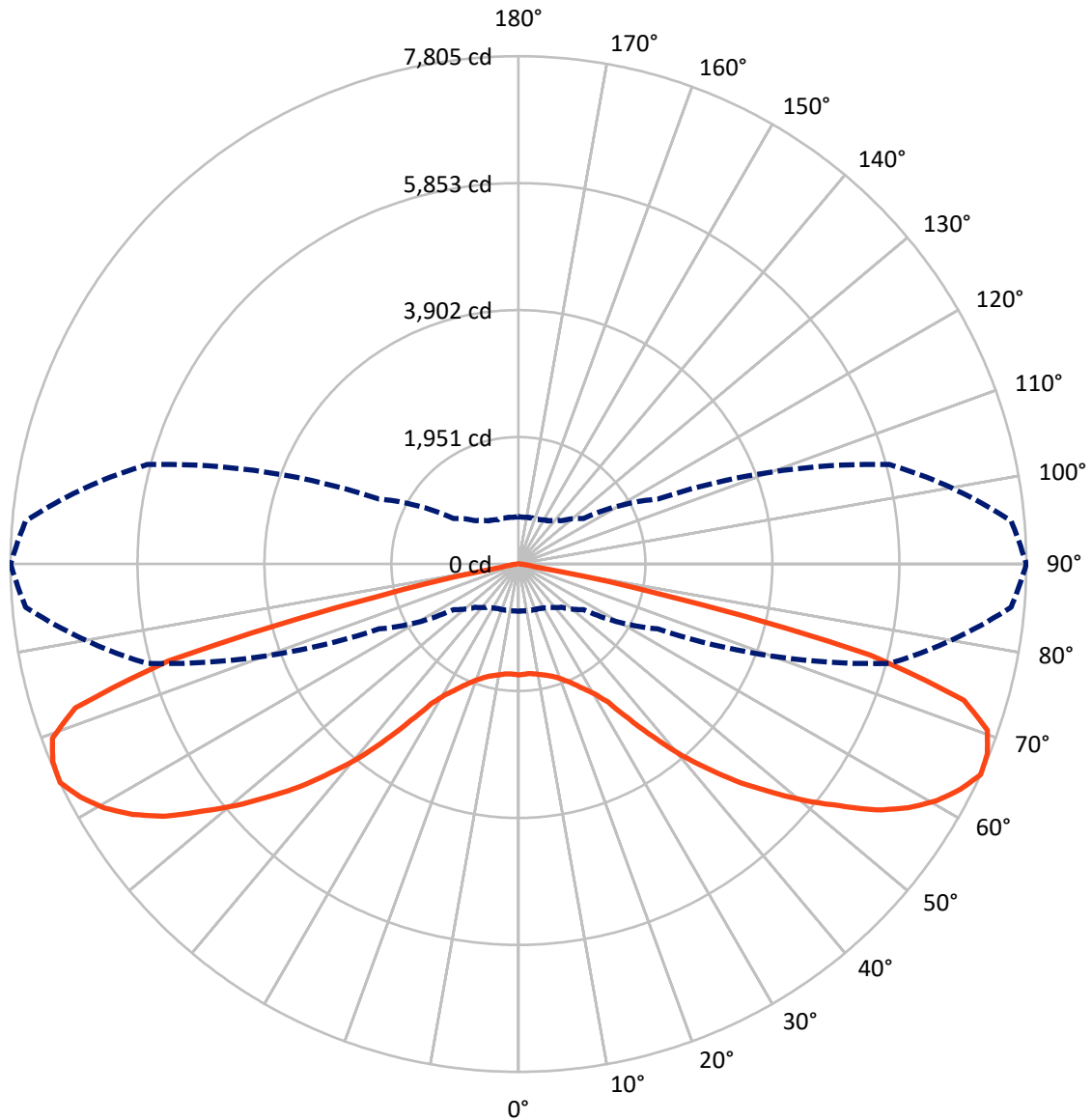
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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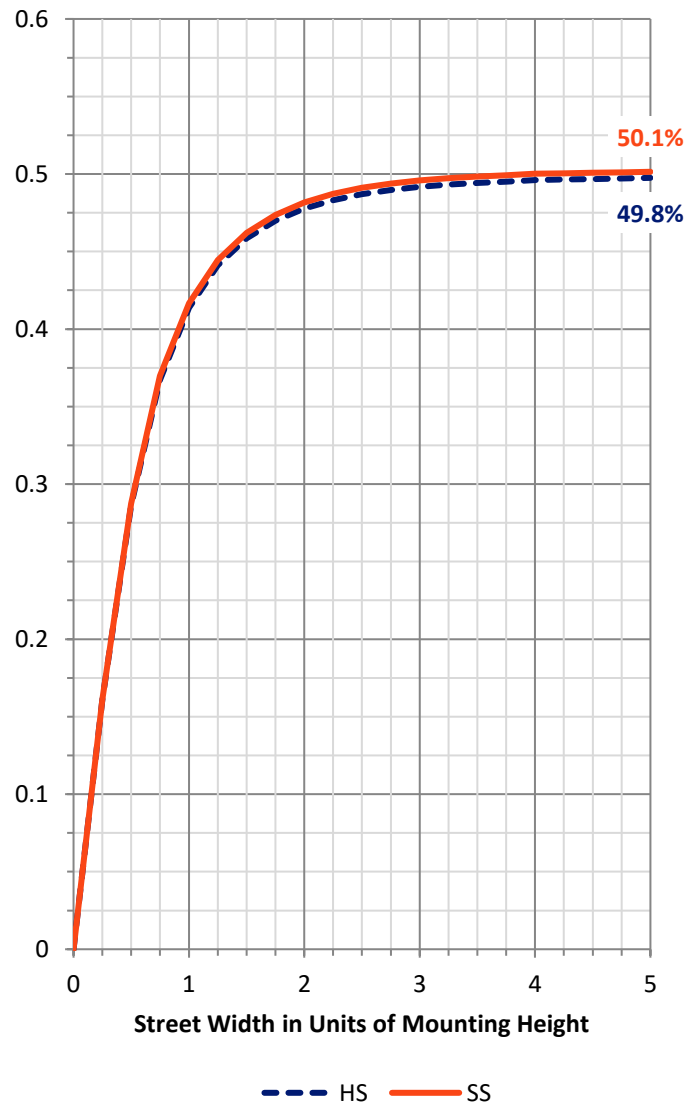
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5038.0	0.0	5038.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5038.0	0.0	5038.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10076.0	0.0	10076.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	1.6
10°-20°	481.6	4.8
20°-30°	795.4	7.9
30°-40°	1174.0	11.7
40°-50°	1708.1	17.0
50°-60°	2186.5	21.7
60°-70°	2286.5	22.7
70°-80°	1233.6	12.2
80°-90°	48.6	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°	10076.0	100.0
0°-180°	10076.0	100.0



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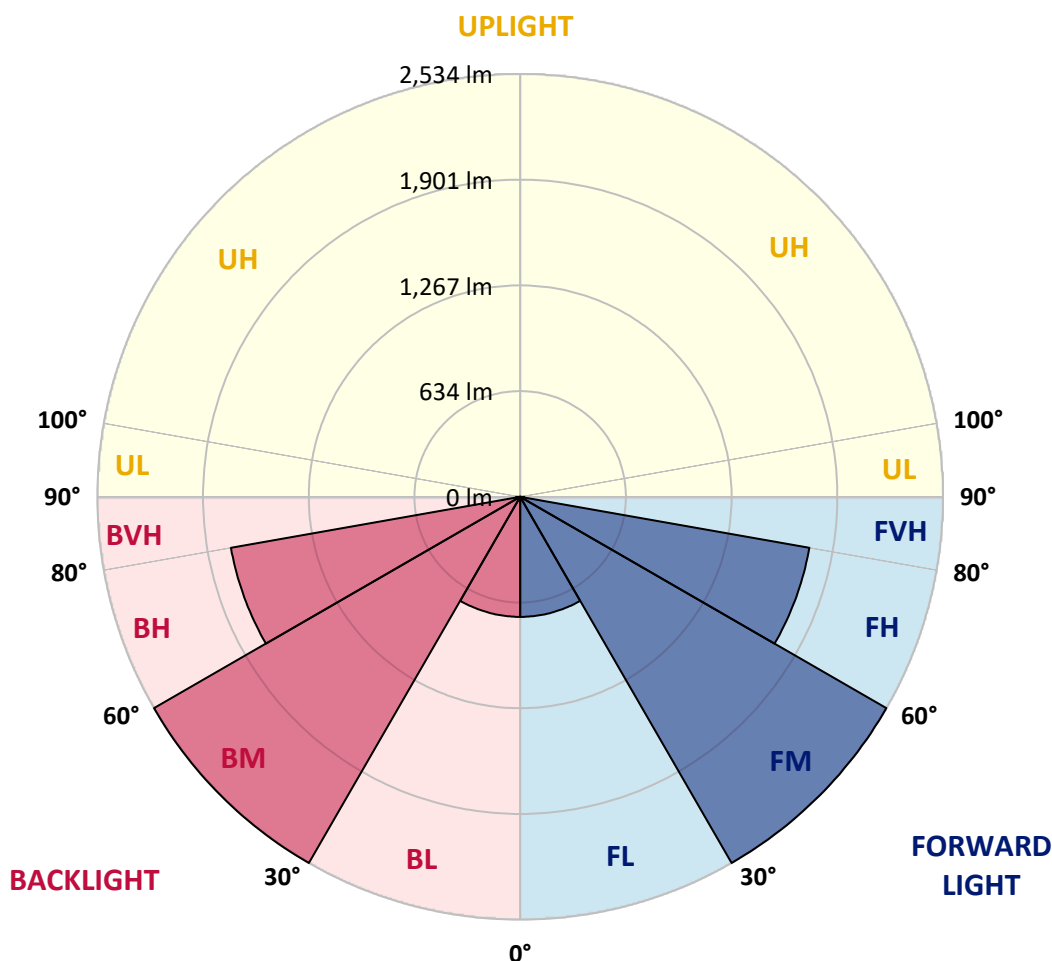
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	719.4	7.1			
FM (30°-60°)	2534.3	25.2			
FH (60°-80°)	1760.0	17.5			G1/1800
FVH (80°-90°)	24.3	0.2			G1/100
BL (0°-30°)	719.4	7.1	B2/1000		
BM (30°-60°)	2534.3	25.2	B3/5000		
BH (60°-80°)	1760.0	17.5	B3/2500		G3/2500
BVH (80°-90°)	24.3	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°	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8	1704.8
2.5°	1695.6	1701.7	1704.8	1703.8	1697.6	1697.6	1697.6	1697.6	1695.6	1694.5	1695.6
5°	1683.2	1688.4	1694.5	1691.5	1688.4	1691.5	1691.5	1691.5	1692.5	1692.5	1692.5
7.5°	1673.0	1680.2	1683.2	1687.3	1680.2	1688.4	1700.7	1702.7	1703.8	1703.8	1703.8
10°	1663.7	1669.9	1678.1	1677.1	1680.2	1692.5	1705.8	1721.2	1722.2	1725.3	1725.3
12.5°	1641.2	1649.4	1658.6	1664.8	1668.9	1697.6	1711.0	1730.5	1745.9	1747.9	1748.9
15°	1613.4	1618.6	1628.8	1643.2	1664.8	1695.6	1725.3	1750.0	1774.6	1780.7	1780.7
17.5°	1571.4	1577.5	1591.9	1612.4	1651.4	1701.7	1748.9	1781.8	1812.6	1821.8	1823.9
20°	1513.9	1525.2	1544.7	1580.6	1633.0	1705.8	1774.6	1823.9	1863.9	1884.4	1885.4
22.5°	1445.1	1453.3	1488.2	1539.6	1613.4	1705.8	1801.3	1873.1	1928.5	1960.4	1963.4
25°	1370.2	1377.4	1422.5	1494.4	1588.8	1706.8	1828.0	1927.5	2013.7	2055.8	2059.9
27.5°	1302.5	1309.6	1361.0	1448.2	1567.3	1709.9	1856.7	1994.2	2114.3	2170.8	2182.1
30°	1239.9	1242.9	1301.4	1397.9	1543.7	1712.0	1891.6	2067.1	2220.0	2311.4	2317.5
32.5°	1181.3	1189.6	1244.0	1347.6	1515.9	1715.1	1937.8	2170.8	2389.4	2526.9	2532.0
35°	1129.0	1136.2	1190.6	1296.3	1479.0	1723.3	1988.1	2303.2	2634.7	2874.9	2914.9
37.5°	1086.9	1094.1	1142.3	1241.9	1441.0	1721.2	2053.8	2464.3	2934.4	3314.1	3374.7
40°	1053.1	1061.3	1100.3	1190.6	1390.7	1705.8	2122.5	2638.8	3260.8	3777.0	3867.4
42.5°	1024.3	1031.5	1065.4	1145.4	1336.3	1681.2	2184.1	2796.9	3575.9	4248.1	4320.0
45°	991.5	999.7	1032.5	1107.5	1286.0	1643.2	2225.2	2951.8	3895.1	4695.6	4798.3
47.5°	969.9	975.0	1000.7	1070.5	1229.6	1583.7	2232.3	3061.7	4236.8	5168.8	5239.6
50°	950.4	949.4	972.0	1033.6	1177.2	1507.7	2194.4	3146.8	4562.2	5610.1	5715.8
52.5°	922.7	923.7	942.2	997.6	1125.9	1419.5	2104.1	3168.4	4896.8	6052.5	6167.4
55°	889.9	892.9	910.4	956.6	1073.6	1332.2	1950.1	3129.4	5257.1	6489.7	6674.5
57.5°	858.0	856.0	873.4	914.5	1017.1	1244.0	1774.6	3029.8	5602.9	6949.5	7065.5
60°	821.1	823.1	835.5	869.3	957.6	1150.6	1578.6	2857.4	5835.9	7304.7	7385.7
62.5°	779.0	779.0	790.3	816.0	888.8	1048.9	1390.7	2629.6	5967.3	7489.4	7623.9
65°	725.6	722.6	734.9	753.4	808.8	940.2	1219.3	2361.7	5902.6	7601.3	7804.5
67.5°	668.2	662.0	668.2	676.4	717.4	823.1	1045.9	2119.4	5600.9	7529.4	7773.7
70°	593.2	585.0	588.1	588.1	615.8	686.6	876.5	1914.2	4912.2	7297.5	7644.4
72.5°	485.5	482.4	487.5	483.4	503.9	551.2	726.7	1664.8	4002.8	6741.2	7157.9
75°	295.6	299.7	316.1	344.9	363.3	399.3	531.7	1316.8	3030.9	5085.6	5583.4
77.5°	123.2	137.5	151.9	157.0	177.6	173.5	240.2	597.3	1227.5	2025.0	2192.3
80°	41.1	42.1	93.4	103.7	113.9	93.4	91.3	200.1	351.0	296.6	249.4
82.5°	24.6	26.7	51.3	55.4	48.2	50.3	53.4	67.7	65.7	106.7	121.1
85°	12.3	13.3	22.6	25.7	25.7	30.8	30.8	32.8	36.9	64.7	69.8
87.5°	3.1	3.1	6.2	9.2	10.3	12.3	12.3	14.4	16.4	23.6	27.7
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)