

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: P507751

Luminaire Tested: **VERD-S-CA1-80-760-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507751
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-CA1-80-760-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 1500mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11243 lumens
Efficiency: N/A
Efficacy: 135.3 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

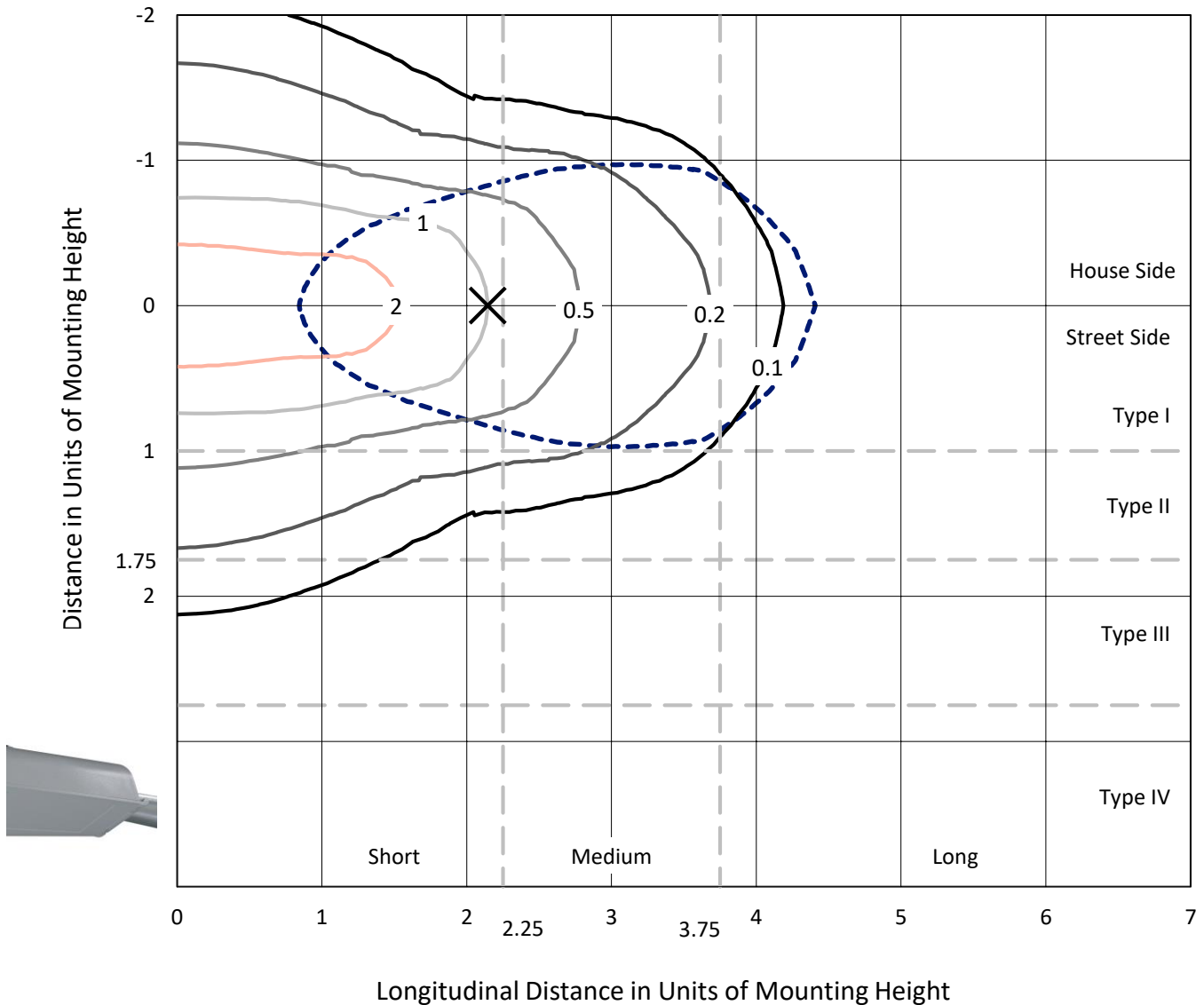
Input Watts (W): 83.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

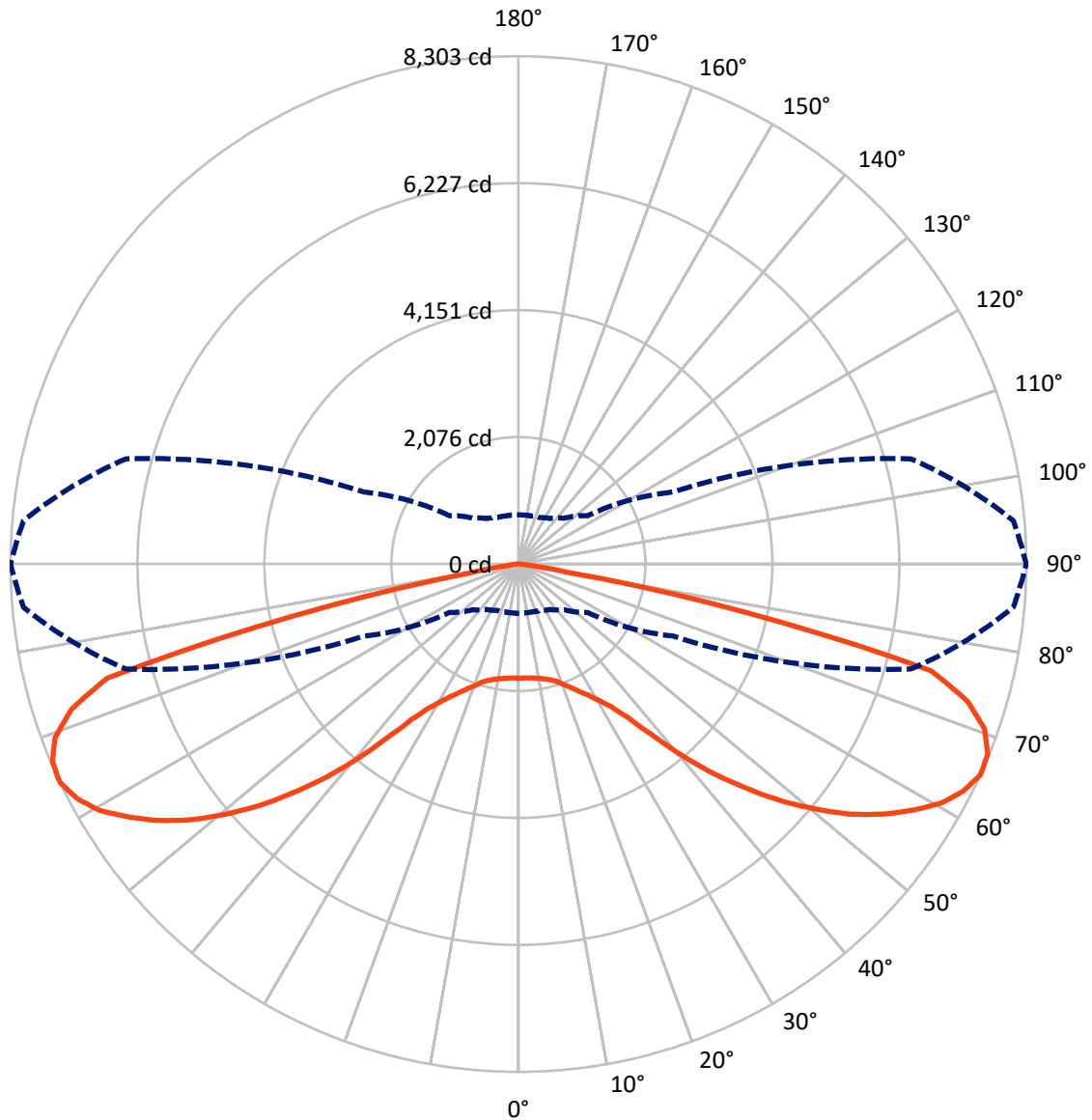
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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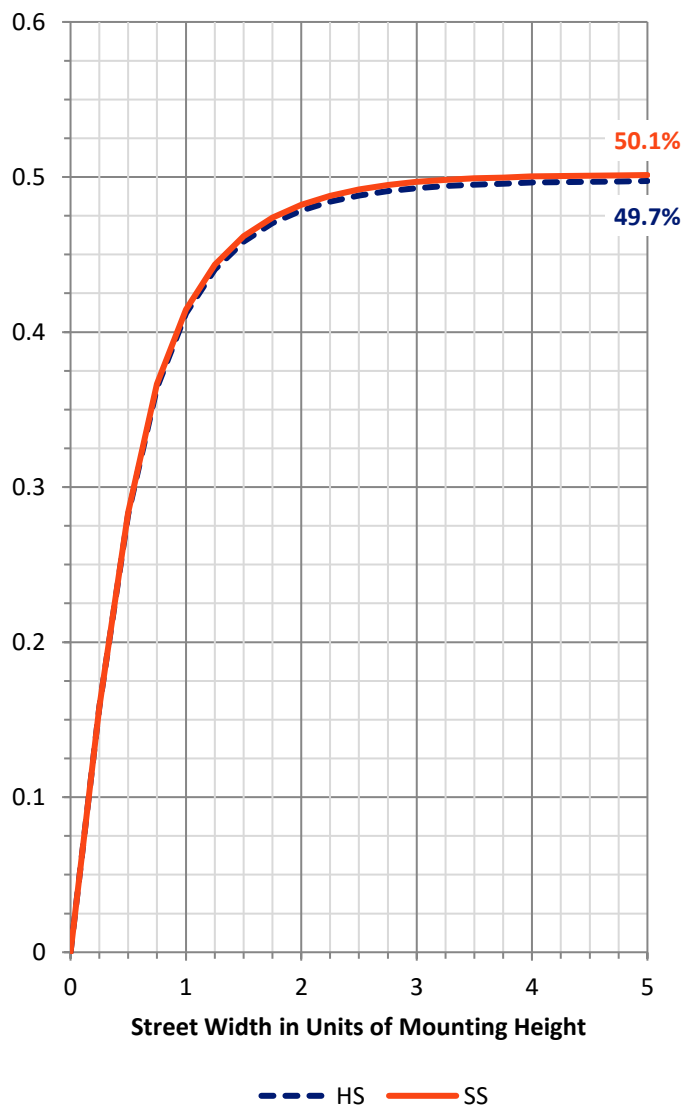
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5621.5	0.0	5621.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5621.5	0.0	5621.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11243.0	0.0	11243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	1.6
10°-20°	533.2	4.7
20°-30°	883.1	7.9
30°-40°	1278.2	11.4
40°-50°	1850.2	16.5
50°-60°	2408.2	21.4
60°-70°	2543.6	22.6
70°-80°	1497.1	13.3
80°-90°	70.7	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°	11243.0	100.0
0°-180°	11243.0	100.0

Coefficient of Utilization



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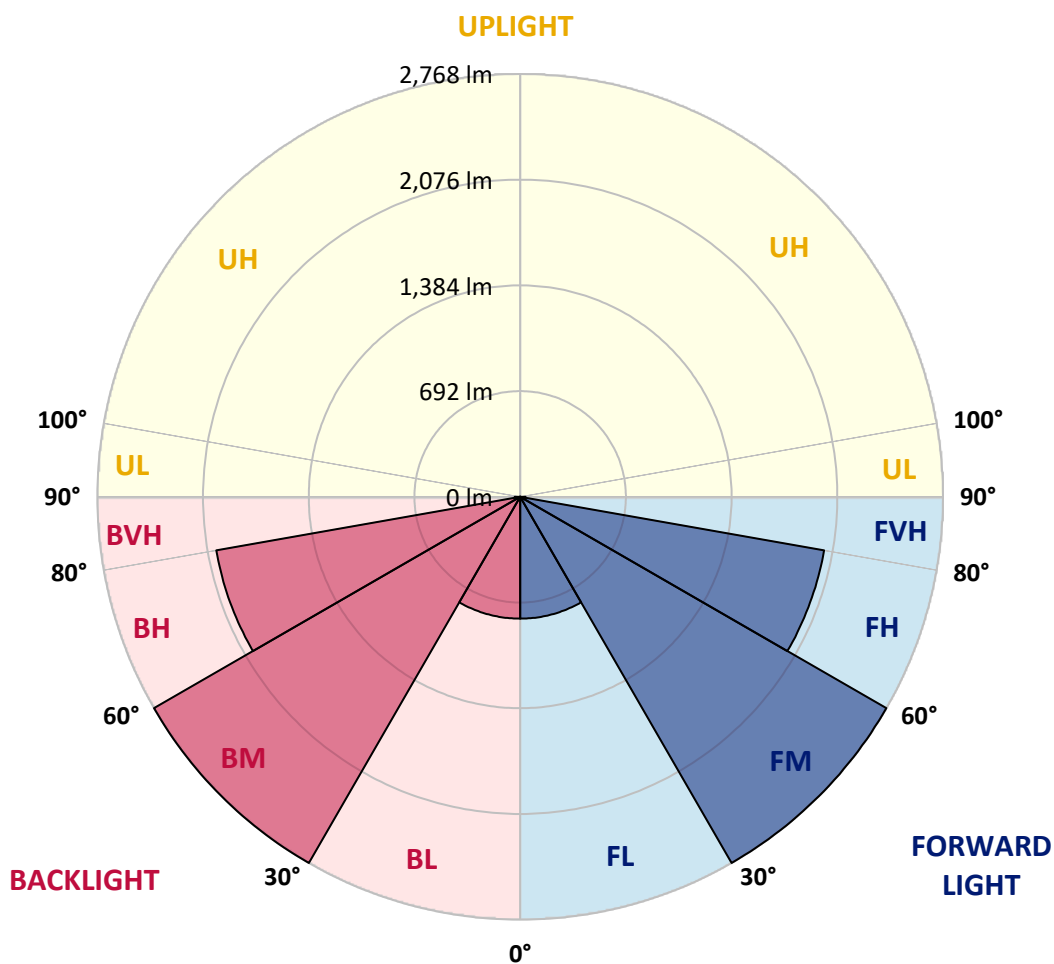
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	797.5	7.1			
FM (30°-60°)	2768.3	24.6			
FH (60°-80°)	2020.4	18.0			G2/5000
FVH (80°-90°)	35.3	0.3			G1/100
BL (0°-30°)	797.5	7.1	B2/1000		
BM (30°-60°)	2768.3	24.6	B3/5000		
BH (60°-80°)	2020.4	18.0	B3/2500		G3/2500
BVH (80°-90°)	35.3	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°	1867.1	1867.1	1867.1	1867.1	1867.1	1867.1	1867.1	1867.1	1867.1	1867.1	1867.1
2.5°	1873.3	1873.3	1876.3	1873.3	1873.3	1873.3	1873.3	1870.2	1867.1	1864.1	1864.1
5°	1870.2	1870.2	1870.2	1873.3	1873.3	1876.3	1876.3	1873.3	1873.3	1873.3	1870.2
7.5°	1858.0	1861.0	1861.0	1864.1	1867.1	1873.3	1876.3	1879.4	1882.4	1882.4	1882.4
10°	1842.7	1842.7	1845.8	1851.9	1861.0	1867.1	1882.4	1891.6	1897.7	1900.8	1900.8
12.5°	1818.2	1818.2	1824.4	1836.6	1854.9	1873.3	1891.6	1909.9	1922.1	1928.3	1928.3
15°	1787.7	1787.7	1796.9	1815.2	1848.8	1882.4	1913.0	1940.5	1958.8	1968.0	1964.9
17.5°	1741.9	1741.9	1754.1	1787.7	1839.6	1894.6	1946.6	1980.2	2007.7	2016.9	2016.9
20°	1680.7	1680.7	1702.1	1748.0	1821.3	1903.8	1977.2	2029.1	2068.8	2096.3	2102.4
22.5°	1604.3	1604.3	1638.0	1702.1	1790.7	1897.7	1998.5	2087.2	2157.5	2188.0	2191.1
25°	1515.7	1521.8	1567.7	1650.2	1763.2	1894.6	2032.2	2154.4	2246.1	2295.0	2304.1
27.5°	1433.2	1439.3	1497.4	1601.3	1735.7	1897.7	2062.7	2227.7	2359.1	2417.2	2426.4
30°	1356.8	1362.9	1424.0	1546.3	1714.3	1900.8	2099.4	2301.1	2475.3	2566.9	2585.3
32.5°	1289.6	1295.7	1356.8	1488.2	1683.8	1903.8	2145.2	2398.9	2625.0	2762.5	2777.8
35°	1231.5	1237.6	1301.8	1427.1	1644.1	1909.9	2200.2	2515.0	2823.6	3046.7	3083.4
37.5°	1182.6	1188.7	1243.7	1369.0	1598.2	1909.9	2258.3	2649.4	3083.4	3471.5	3538.7
40°	1146.0	1152.1	1194.8	1311.0	1543.2	1897.7	2310.2	2796.1	3392.0	4003.2	4113.2
42.5°	1112.3	1121.5	1158.2	1259.0	1485.2	1873.3	2365.3	2942.8	3755.7	4556.3	4687.7
45°	1078.7	1087.9	1127.6	1219.3	1424.0	1836.6	2398.9	3086.4	4165.2	5118.6	5231.7
47.5°	1057.3	1057.3	1090.9	1176.5	1366.0	1772.4	2408.0	3220.9	4586.9	5656.4	5787.8
50°	1035.9	1035.9	1063.4	1136.8	1304.9	1689.9	2374.4	3349.2	5026.9	6166.8	6295.1
52.5°	1008.4	1005.4	1032.9	1100.1	1246.8	1586.0	2295.0	3434.8	5476.1	6649.6	6793.2
55°	974.8	974.8	996.2	1057.3	1191.8	1482.1	2151.3	3474.5	5891.7	7068.3	7221.0
57.5°	938.2	935.1	956.5	1005.4	1130.7	1381.3	1958.8	3447.0	6230.9	7465.5	7593.9
60°	904.5	901.5	916.8	959.5	1060.4	1283.5	1763.2	3297.3	6502.9	7792.5	7939.2
62.5°	861.8	861.8	874.0	907.6	993.2	1173.5	1567.7	3065.0	6637.4	8012.5	8168.4
65°	806.8	803.7	812.9	837.3	907.6	1057.3	1378.2	2787.0	6640.4	8122.5	8302.8
67.5°	705.9	730.4	739.5	754.8	812.9	938.2	1197.9	2539.4	6402.1	8101.1	8275.3
70°	571.4	650.9	650.9	660.1	702.9	803.7	1029.8	2331.6	5873.4	7896.4	8082.8
72.5°	397.3	467.5	525.6	547.0	583.7	654.0	867.9	2081.1	4962.8	7428.8	7679.4
75°	146.7	137.5	198.6	333.1	369.8	430.9	635.6	1714.3	4012.4	6539.6	6967.4
77.5°	42.8	45.8	64.2	171.1	195.6	210.9	345.3	855.6	1858.0	3346.2	3786.2
80°	36.7	36.7	45.8	55.0	64.2	103.9	113.1	317.8	611.2	800.6	803.7
82.5°	27.5	27.5	33.6	39.7	48.9	61.1	67.2	110.0	155.8	162.0	162.0
85°	18.3	18.3	21.4	24.4	30.6	36.7	39.7	45.8	58.1	97.8	103.9
87.5°	9.2	9.2	12.2	12.2	15.3	15.3	18.3	27.5	30.6	45.8	45.8
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)