

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: P507735

Luminaire Tested: **VERD-S-CA1-80-740-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507735  
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-CA1-80-740-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 4000K, 1500mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11280 lumens  
Efficiency: N/A  
Efficacy: 135.7 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

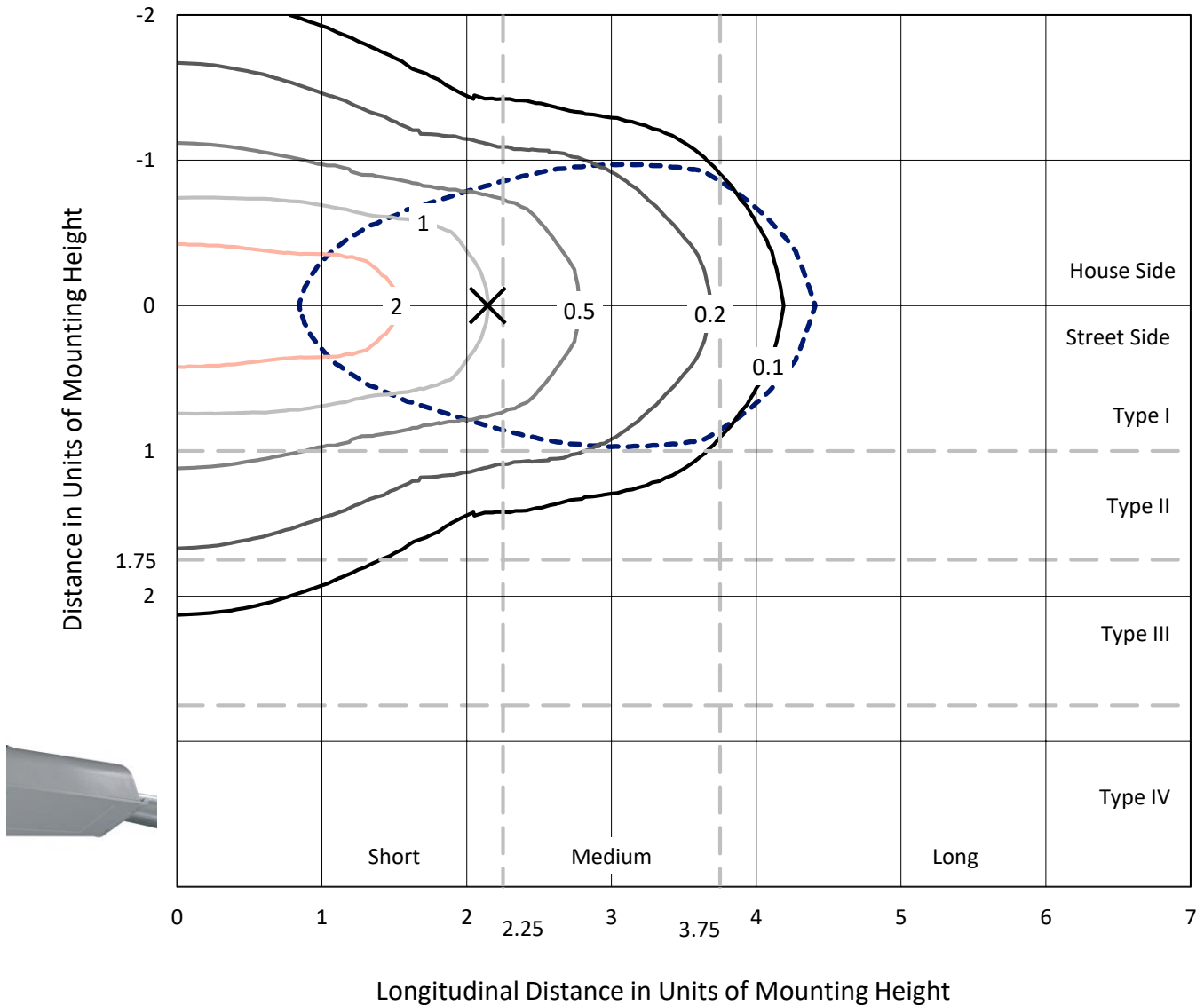
Input Watts (W): 83.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

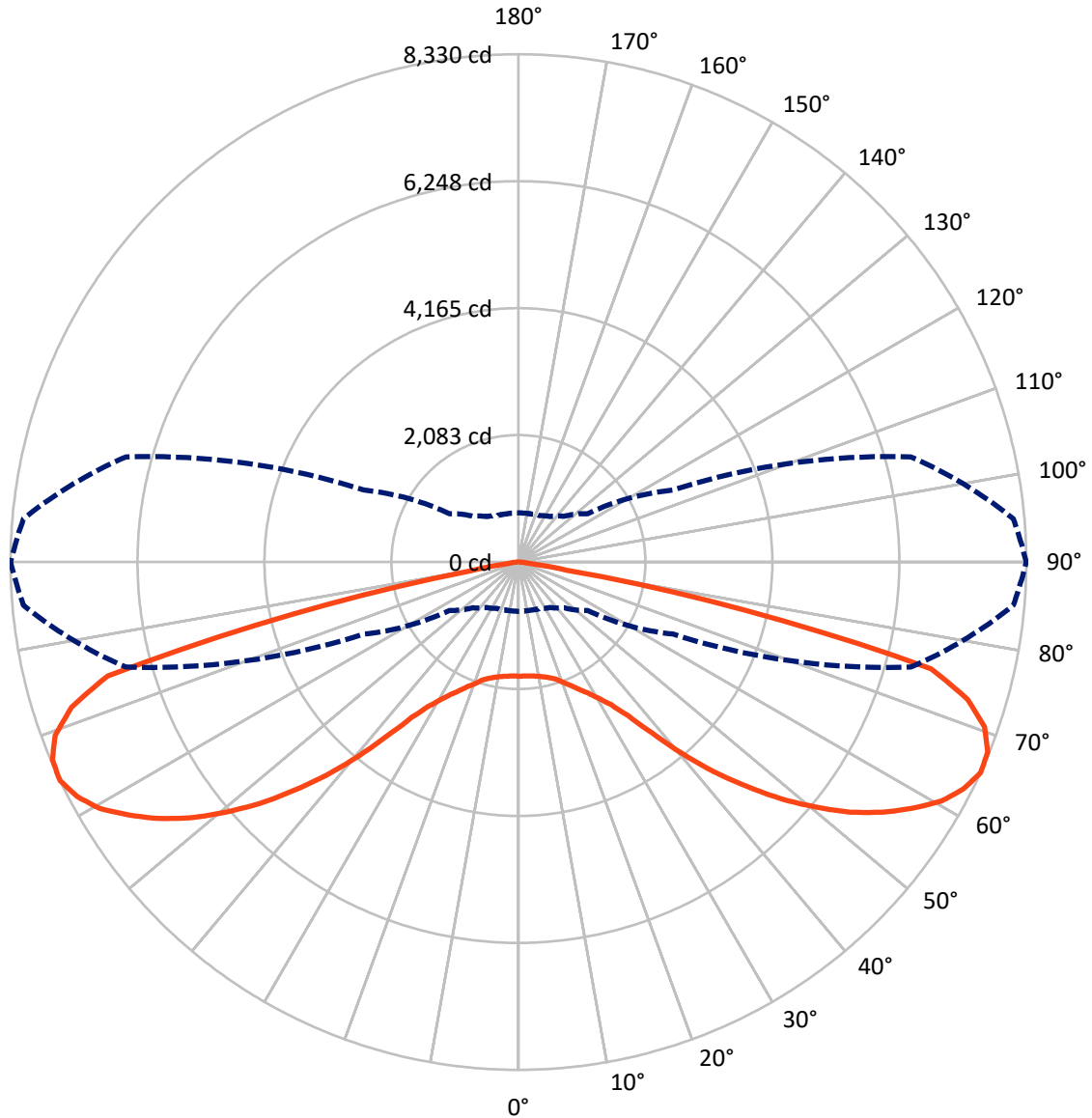
× Max cd  
 - - - 1/2 Max cd



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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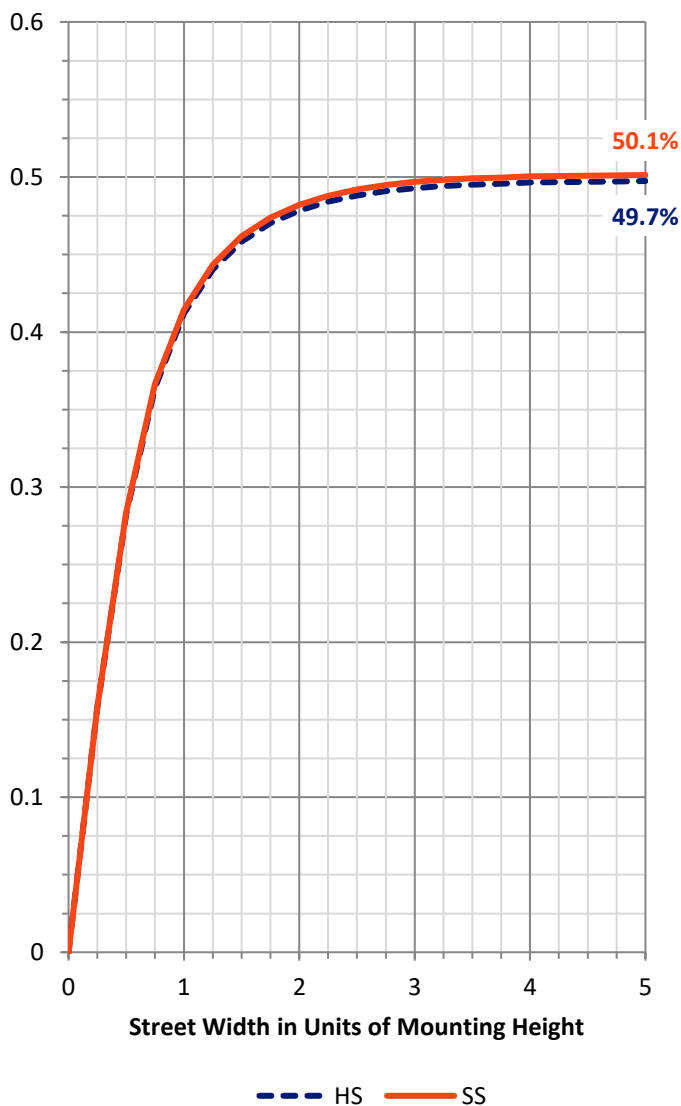
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5640.0	0.0	5640.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5640.0	0.0	5640.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11280.0	0.0	11280.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.3	1.6
10°-20°	534.9	4.7
20°-30°	886.0	7.9
30°-40°	1282.4	11.4
40°-50°	1856.3	16.5
50°-60°	2416.1	21.4
60°-70°	2552.0	22.6
70°-80°	1502.1	13.3
80°-90°	70.9	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°	11280.0	100.0
0°-180°	11280.0	100.0

**Coefficient of Utilization**



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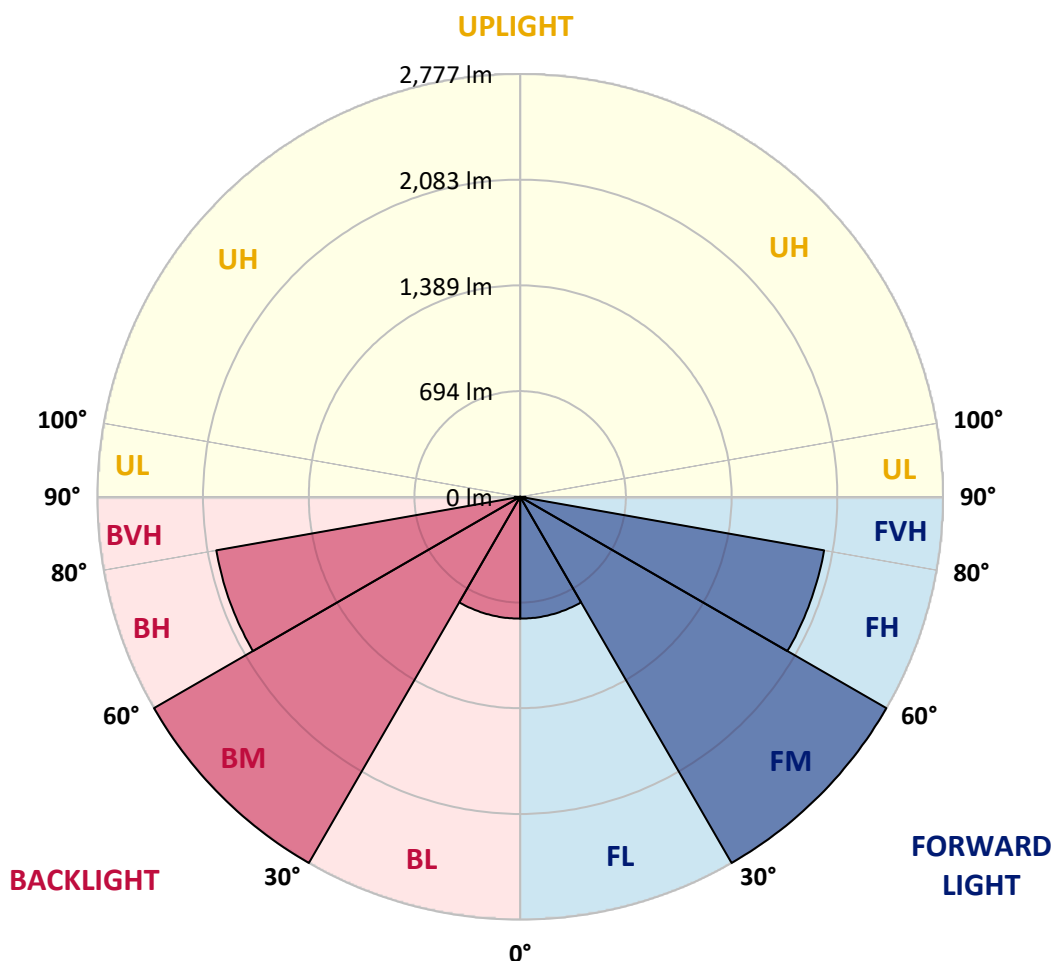
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	800.1	7.1			
FM	(30°-60°)	2777.4	24.6			
FH	(60°-80°)	2027.0	18.0			G2/5000
FVH	(80°-90°)	35.5	0.3			G1/100
BL	(0°-30°)	800.1	7.1	B2/1000		
BM	(30°-60°)	2777.4	24.6	B3/5000		
BH	(60°-80°)	2027.0	18.0	B3/2500		G3/2500
BVH	(80°-90°)	35.5	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°	1873.3	1873.3	1873.3	1873.3	1873.3	1873.3	1873.3	1873.3	1873.3	1873.3	1873.3
2.5°	1879.4	1879.4	1882.5	1879.4	1879.4	1879.4	1879.4	1876.4	1873.3	1870.2	1870.2
5°	1876.4	1876.4	1876.4	1879.4	1879.4	1882.5	1882.5	1879.4	1879.4	1879.4	1876.4
7.5°	1864.1	1867.2	1867.2	1870.2	1873.3	1879.4	1882.5	1885.6	1888.6	1888.6	1888.6
10°	1848.8	1848.8	1851.8	1858.0	1867.2	1873.3	1888.6	1897.8	1903.9	1907.0	1907.0
12.5°	1824.2	1824.2	1830.4	1842.6	1861.0	1879.4	1897.8	1916.2	1928.5	1934.6	1934.6
15°	1793.6	1793.6	1802.8	1821.2	1854.9	1888.6	1919.3	1946.9	1965.3	1974.5	1971.4
17.5°	1747.6	1747.6	1759.8	1793.6	1845.7	1900.9	1953.0	1986.7	2014.3	2023.5	2023.5
20°	1686.3	1686.3	1707.7	1753.7	1827.3	1910.1	1983.7	2035.8	2075.6	2103.2	2109.4
22.5°	1609.6	1609.6	1643.3	1707.7	1796.6	1903.9	2005.1	2094.0	2164.6	2195.2	2198.3
25°	1520.7	1526.8	1572.8	1655.6	1769.0	1900.9	2038.8	2161.5	2253.5	2302.5	2311.7
27.5°	1437.9	1444.1	1502.3	1606.6	1741.5	1903.9	2069.5	2235.1	2366.9	2425.2	2434.4
30°	1361.3	1367.4	1428.7	1551.4	1720.0	1907.0	2106.3	2308.7	2483.4	2575.4	2593.8
32.5°	1293.8	1300.0	1361.3	1493.1	1689.3	1910.1	2152.3	2406.8	2633.6	2771.6	2786.9
35°	1235.6	1241.7	1306.1	1431.8	1649.5	1916.2	2207.5	2523.3	2832.9	3056.7	3093.5
37.5°	1186.5	1192.7	1247.8	1373.5	1603.5	1916.2	2265.7	2658.2	3093.5	3482.9	3550.4
40°	1149.7	1155.9	1198.8	1315.3	1548.3	1903.9	2317.8	2805.3	3403.2	4016.4	4126.8
42.5°	1116.0	1125.2	1162.0	1263.2	1490.0	1879.4	2373.0	2952.5	3768.0	4571.3	4703.2
45°	1082.3	1091.5	1131.3	1223.3	1428.7	1842.6	2406.8	3096.6	4178.9	5135.4	5248.9
47.5°	1060.8	1060.8	1094.5	1180.4	1370.5	1778.2	2416.0	3231.5	4602.0	5675.1	5806.9
50°	1039.4	1039.4	1066.9	1140.5	1309.2	1695.5	2382.2	3360.3	5043.5	6187.1	6315.8
52.5°	1011.8	1008.7	1036.3	1103.7	1250.9	1591.2	2302.5	3446.1	5494.2	6671.5	6815.6
55°	978.0	978.0	999.5	1060.8	1195.7	1487.0	2158.4	3486.0	5911.1	7091.5	7244.8
57.5°	941.2	938.2	959.6	1008.7	1134.4	1385.8	1965.3	3458.4	6251.4	7490.1	7618.9
60°	907.5	904.5	919.8	962.7	1063.9	1287.7	1769.0	3308.1	6524.3	7818.1	7965.3
62.5°	864.6	864.6	876.9	910.6	996.4	1177.3	1572.8	3075.1	6659.2	8038.9	8195.3
65°	809.4	806.3	815.5	840.1	910.6	1060.8	1382.7	2796.1	6662.3	8149.3	8330.2
67.5°	708.2	732.8	742.0	757.3	815.5	941.2	1201.8	2547.8	6423.1	8127.8	8302.6
70°	573.3	653.0	653.0	662.2	705.2	806.3	1033.2	2339.3	5892.7	7922.4	8109.4
72.5°	398.6	469.1	527.3	548.8	585.6	656.1	870.7	2087.9	4979.1	7453.3	7704.7
75°	147.2	138.0	199.3	334.2	371.0	432.3	637.7	1720.0	4025.6	6561.1	6990.3
77.5°	42.9	46.0	64.4	171.7	196.2	211.5	346.5	858.5	1864.1	3357.2	3798.7
80°	36.8	36.8	46.0	55.2	64.4	104.2	113.4	318.9	613.2	803.3	806.3
82.5°	27.6	27.6	33.7	39.9	49.1	61.3	67.5	110.4	156.4	162.5	162.5
85°	18.4	18.4	21.5	24.5	30.7	36.8	39.9	46.0	58.3	98.1	104.2
87.5°	9.2	9.2	12.3	12.3	15.3	15.3	18.4	27.6	30.7	46.0	46.0
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)