

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: P507727

Luminaire Tested: **VERD-S-CA1-80-730-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507727  
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-CA1-80-730-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 3000K, 1500mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11075 lumens  
Efficiency: N/A  
Efficacy: 133.3 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

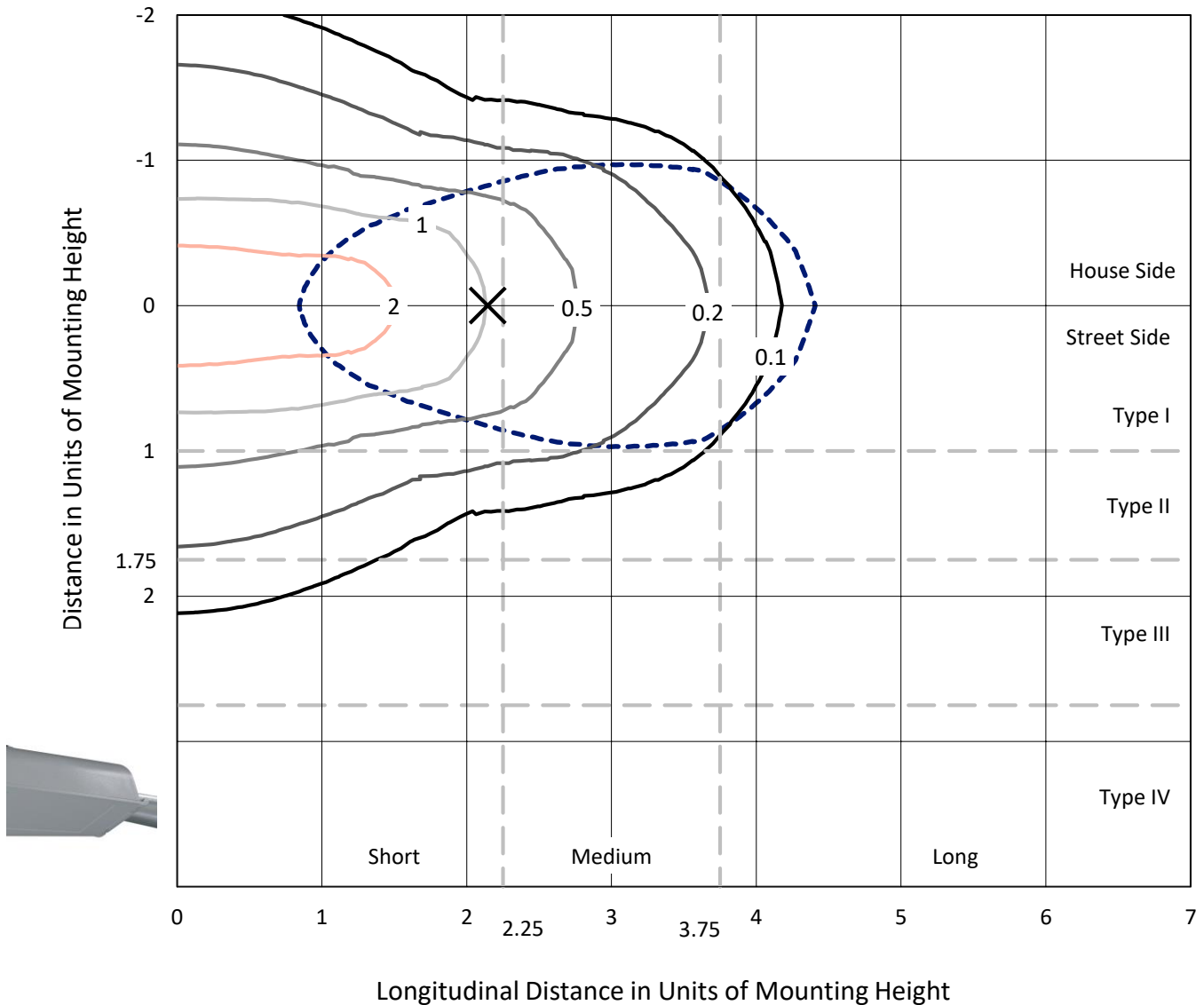
Input Watts (W): 83.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

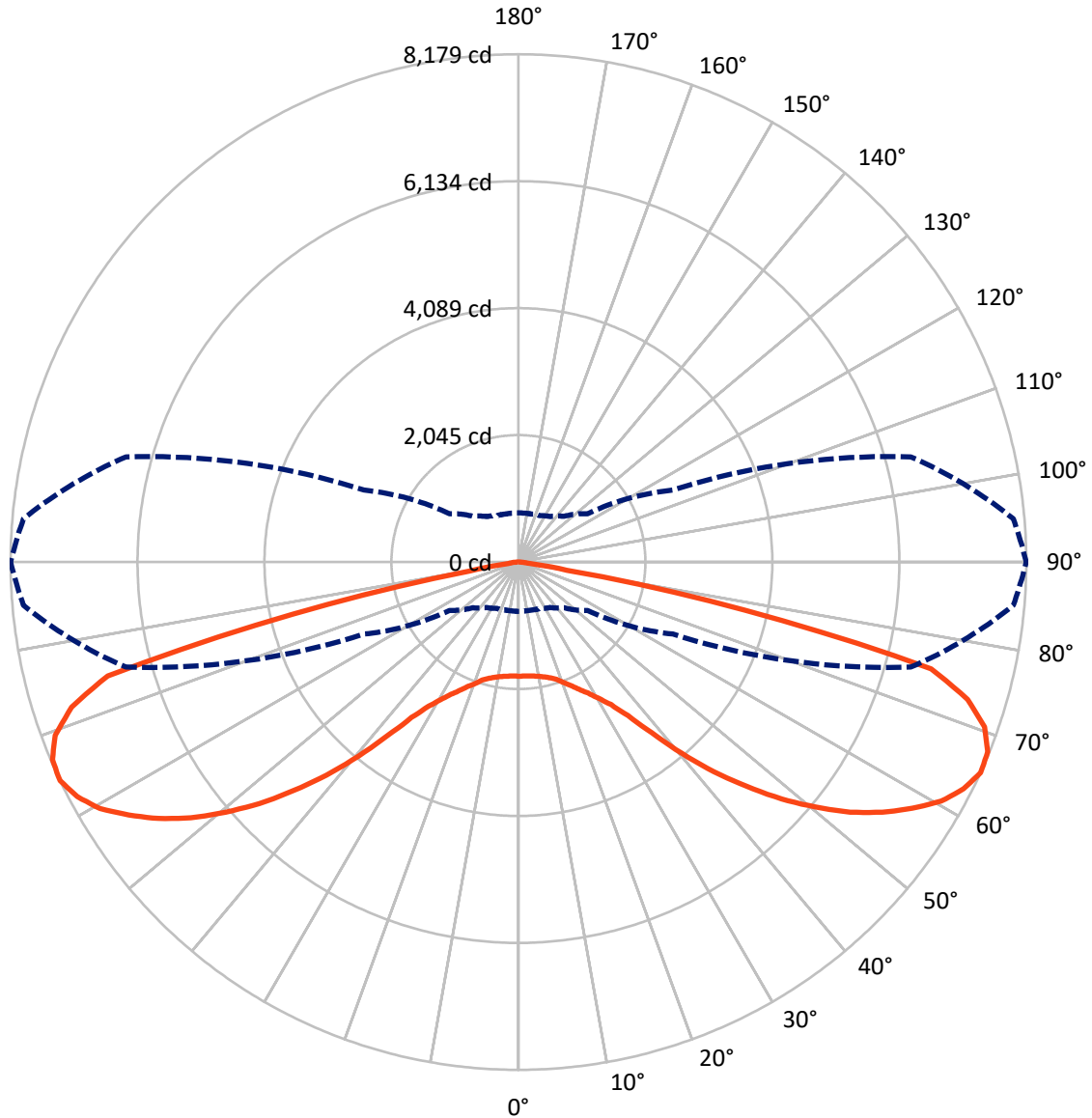
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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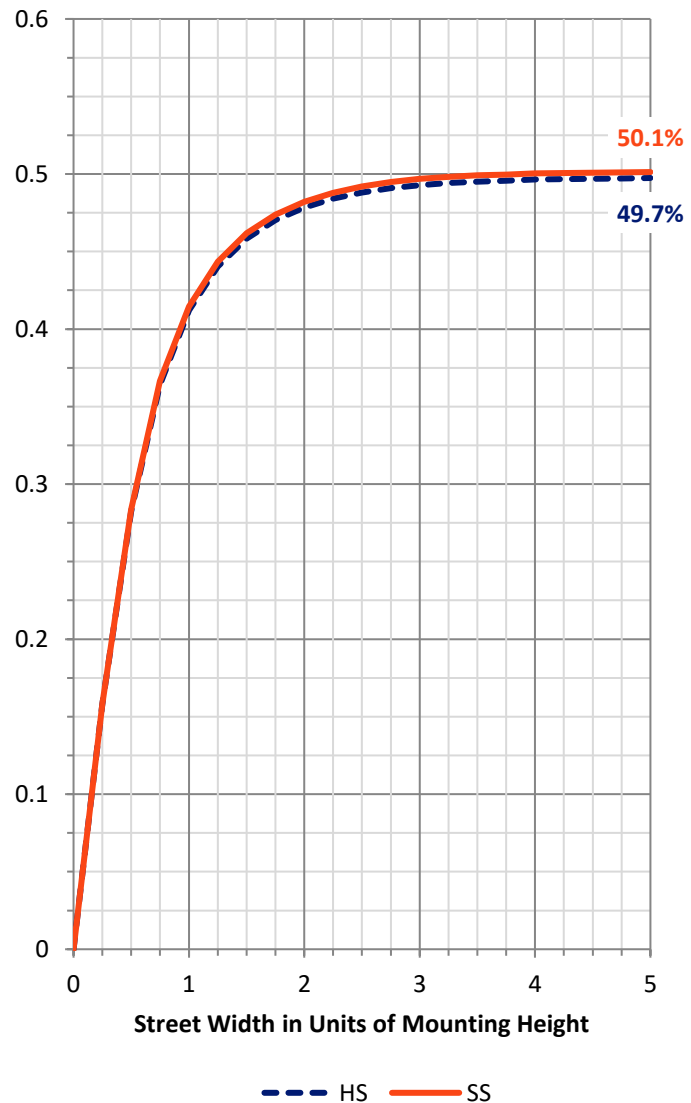
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5537.5	0.0	5537.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5537.5	0.0	5537.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11075.0	0.0	11075.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.0	1.6
10°-20°	525.2	4.7
20°-30°	869.9	7.9
30°-40°	1259.1	11.4
40°-50°	1822.5	16.5
50°-60°	2372.2	21.4
60°-70°	2505.6	22.6
70°-80°	1474.8	13.3
80°-90°	69.6	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°	11075.0	100.0
0°-180°	11075.0	100.0



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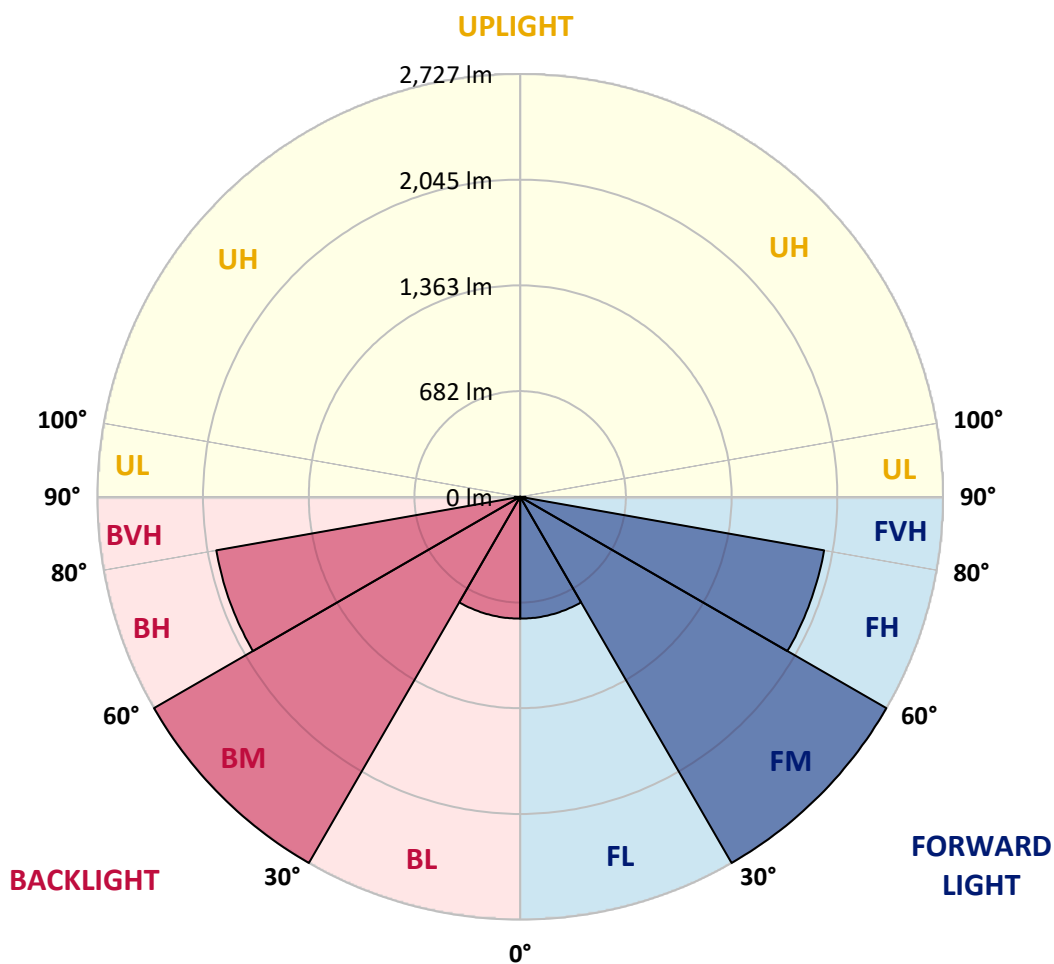
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	785.6	7.1			
FM	(30°-60°)	2726.9	24.6			
FH	(60°-80°)	1990.2	18.0			G2/5000
FVH	(80°-90°)	34.8	0.3			G1/100
BL	(0°-30°)	785.6	7.1	B2/1000		
BM	(30°-60°)	2726.9	24.6	B3/5000		
BH	(60°-80°)	1990.2	18.0	B3/2500		G3/2500
BVH	(80°-90°)	34.8	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°	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2
2.5°	1845.3	1845.3	1848.3	1845.3	1845.3	1845.3	1845.3	1842.3	1839.2	1836.2	1836.2
5°	1842.3	1842.3	1842.3	1845.3	1845.3	1848.3	1848.3	1845.3	1845.3	1845.3	1842.3
7.5°	1830.2	1833.2	1833.2	1836.2	1839.2	1845.3	1848.3	1851.3	1854.3	1854.3	1854.3
10°	1815.2	1815.2	1818.2	1824.2	1833.2	1839.2	1854.3	1863.3	1869.3	1872.4	1872.4
12.5°	1791.1	1791.1	1797.1	1809.1	1827.2	1845.3	1863.3	1881.4	1893.4	1899.4	1899.4
15°	1761.0	1761.0	1770.0	1788.1	1821.2	1854.3	1884.4	1911.5	1929.6	1938.6	1935.6
17.5°	1715.8	1715.8	1727.9	1761.0	1812.2	1866.3	1917.5	1950.6	1977.7	1986.7	1986.7
20°	1655.6	1655.6	1676.7	1721.8	1794.1	1875.4	1947.6	1998.8	2037.9	2065.0	2071.0
22.5°	1580.4	1580.4	1613.5	1676.7	1764.0	1869.3	1968.7	2056.0	2125.2	2155.3	2158.3
25°	1493.1	1499.1	1544.2	1625.5	1736.9	1866.3	2001.8	2122.2	2212.5	2260.7	2269.7
27.5°	1411.8	1417.8	1475.0	1577.4	1709.8	1869.3	2031.9	2194.4	2323.9	2381.1	2390.1
30°	1336.5	1342.6	1402.8	1523.2	1688.7	1872.4	2068.0	2266.7	2438.3	2528.6	2546.6
32.5°	1270.3	1276.3	1336.5	1466.0	1658.6	1875.4	2113.2	2363.0	2585.8	2721.2	2736.3
35°	1213.1	1219.1	1282.4	1405.8	1619.5	1881.4	2167.4	2477.4	2781.4	3001.2	3037.3
37.5°	1165.0	1171.0	1225.2	1348.6	1574.3	1881.4	2224.6	2609.9	3037.3	3419.6	3485.8
40°	1128.8	1134.9	1177.0	1291.4	1520.2	1869.3	2275.7	2754.4	3341.3	3943.4	4051.8
42.5°	1095.7	1104.8	1140.9	1240.2	1463.0	1845.3	2329.9	2898.8	3699.6	4488.2	4617.7
45°	1062.6	1071.6	1110.8	1201.1	1402.8	1809.1	2363.0	3040.3	4102.9	5042.1	5153.5
47.5°	1041.5	1041.5	1074.6	1158.9	1345.6	1745.9	2372.1	3172.8	4518.3	5571.9	5701.4
50°	1020.5	1020.5	1047.6	1119.8	1285.4	1664.7	2338.9	3299.2	4951.8	6074.6	6201.1
52.5°	993.4	990.4	1017.5	1083.7	1228.2	1562.3	2260.7	3383.5	5394.3	6550.2	6691.7
55°	960.3	960.3	981.3	1041.5	1174.0	1460.0	2119.2	3422.6	5803.7	6962.6	7113.1
57.5°	924.1	921.1	942.2	990.4	1113.8	1360.6	1929.6	3395.5	6137.8	7354.0	7480.4
60°	891.0	888.0	903.1	945.2	1044.5	1264.3	1736.9	3248.0	6405.7	7676.1	7820.5
62.5°	848.9	848.9	860.9	894.0	978.3	1155.9	1544.2	3019.2	6538.2	7892.8	8046.3
65°	794.7	791.7	800.7	824.8	894.0	1041.5	1357.6	2745.3	6541.2	8001.2	8178.8
67.5°	695.4	719.4	728.5	743.5	800.7	924.1	1180.0	2501.5	6306.4	7980.1	8151.7
70°	562.9	641.2	641.2	650.2	692.4	791.7	1014.4	2296.8	5785.6	7778.4	7962.0
72.5°	391.3	460.6	517.8	538.8	575.0	644.2	854.9	2050.0	4888.6	7317.8	7564.7
75°	144.5	135.5	195.7	328.1	364.2	424.4	626.1	1688.7	3952.4	6441.9	6863.3
77.5°	42.1	45.2	63.2	168.6	192.7	207.7	340.2	842.9	1830.2	3296.2	3729.7
80°	36.1	36.1	45.2	54.2	63.2	102.3	111.4	313.1	602.0	788.7	791.7
82.5°	27.1	27.1	33.1	39.1	48.2	60.2	66.2	108.4	153.5	159.5	159.5
85°	18.1	18.1	21.1	24.1	30.1	36.1	39.1	45.2	57.2	96.3	102.3
87.5°	9.0	9.0	12.0	12.0	15.1	15.1	18.1	27.1	30.1	45.2	45.2
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)