

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: P509379

Luminaire Tested: **VERD-CA2-80-760-U-T1**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509379  
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-CA2-80-760-U-T1  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1100mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12323 lumens  
Efficiency: N/A  
Efficacy: 149.6 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

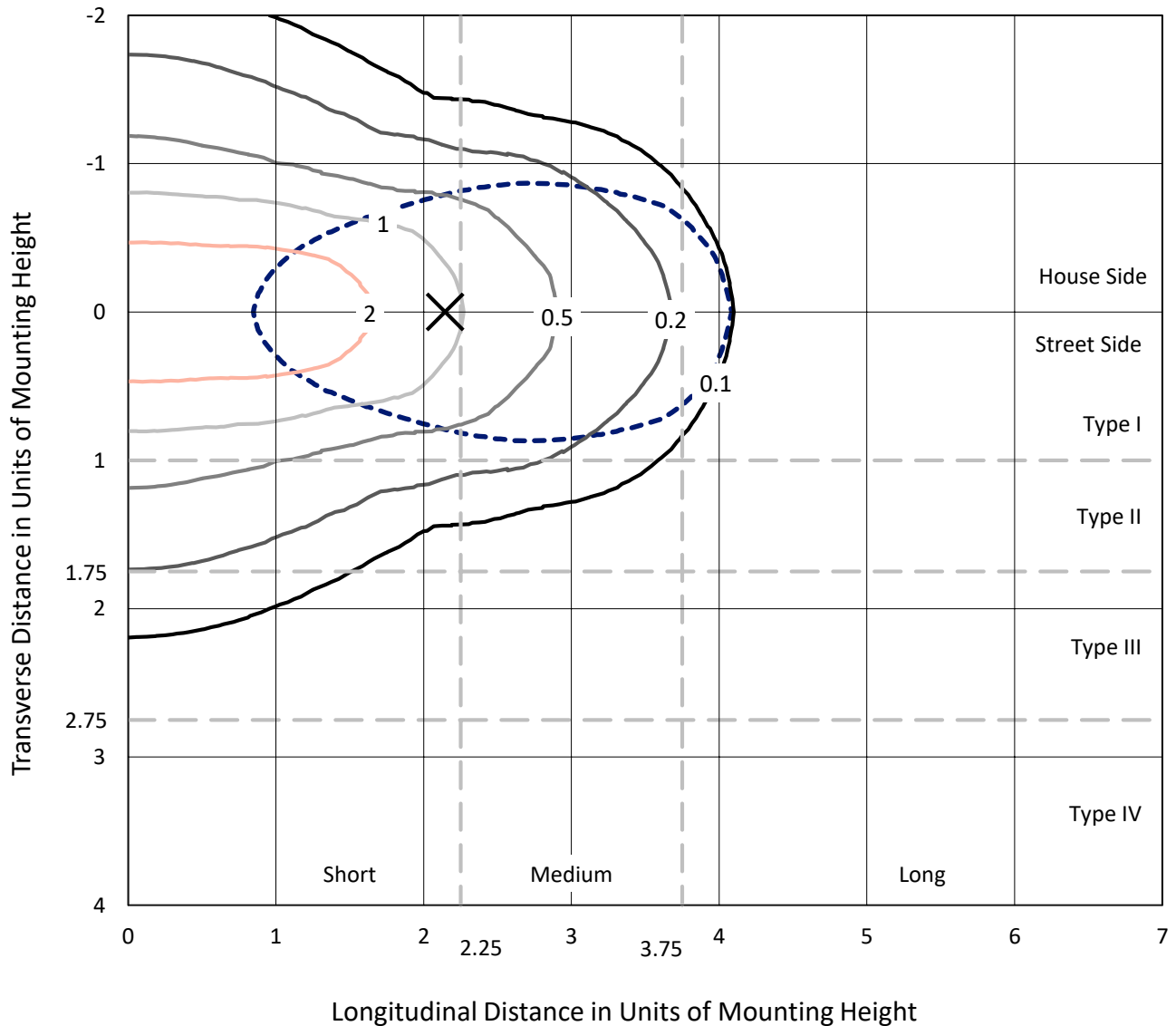
Input Watts (W): 82.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

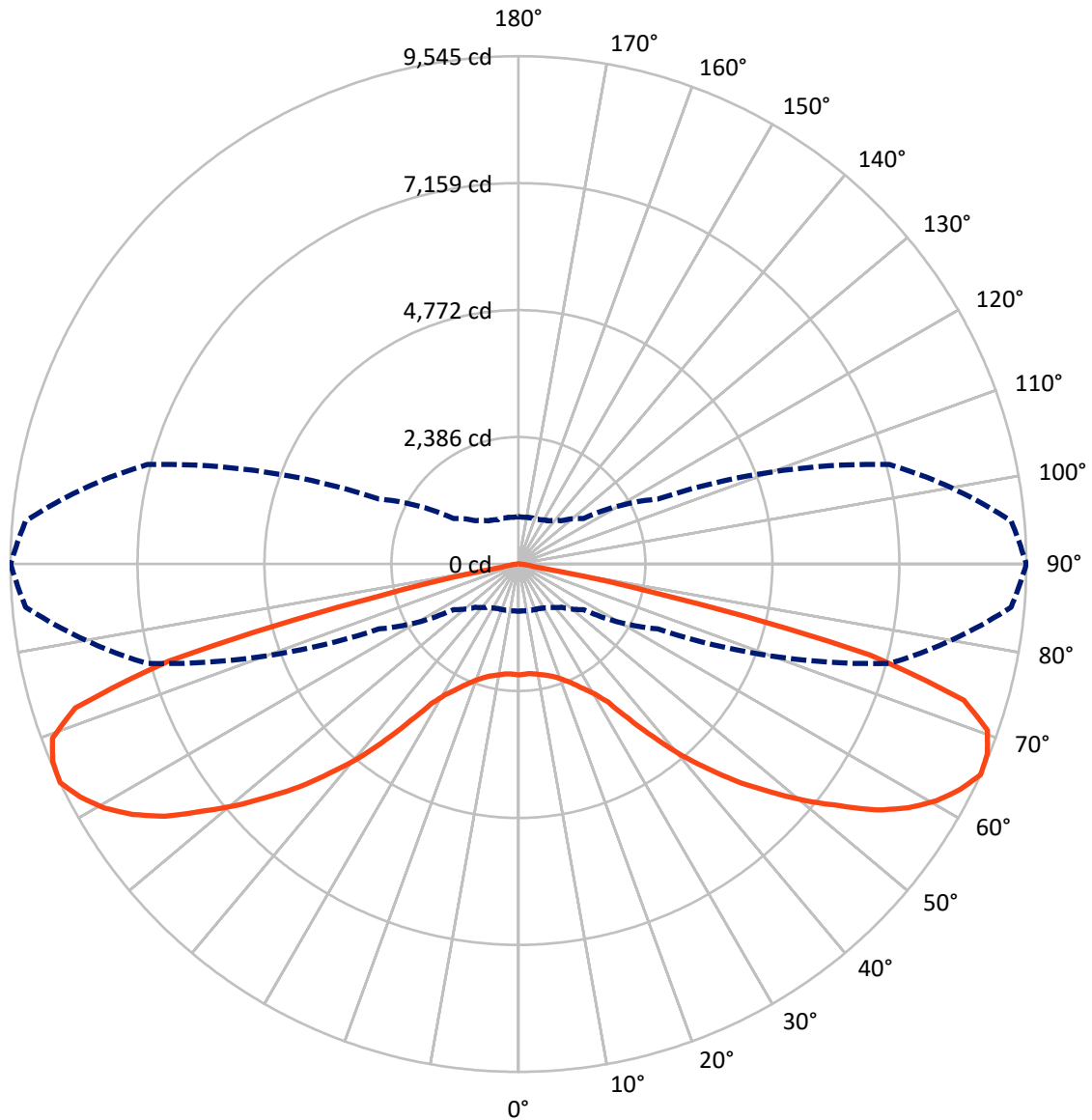
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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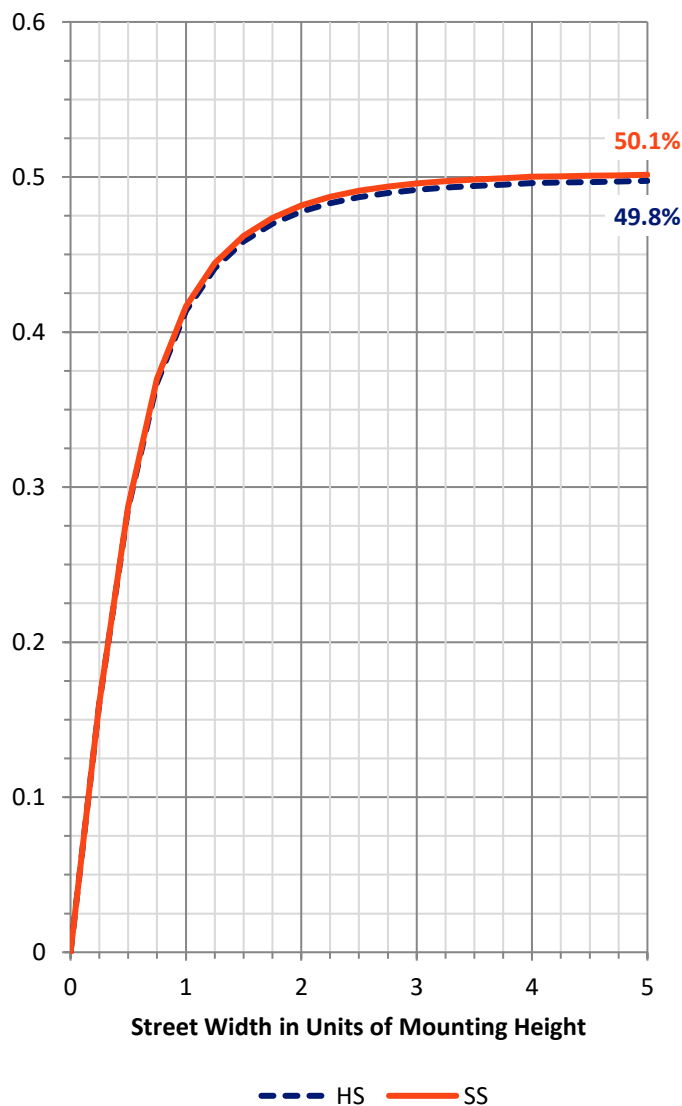
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6161.5	0.0	6161.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6161.5	0.0	6161.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12323.0	0.0	12323.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.8	1.6
10°-20°	589.0	4.8
20°-30°	972.8	7.9
30°-40°	1435.8	11.7
40°-50°	2089.0	17.0
50°-60°	2674.1	21.7
60°-70°	2796.4	22.7
70°-80°	1508.7	12.2
80°-90°	59.4	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°	12323.0	100.0
0°-180°	12323.0	100.0

**Coefficient of Utilization**



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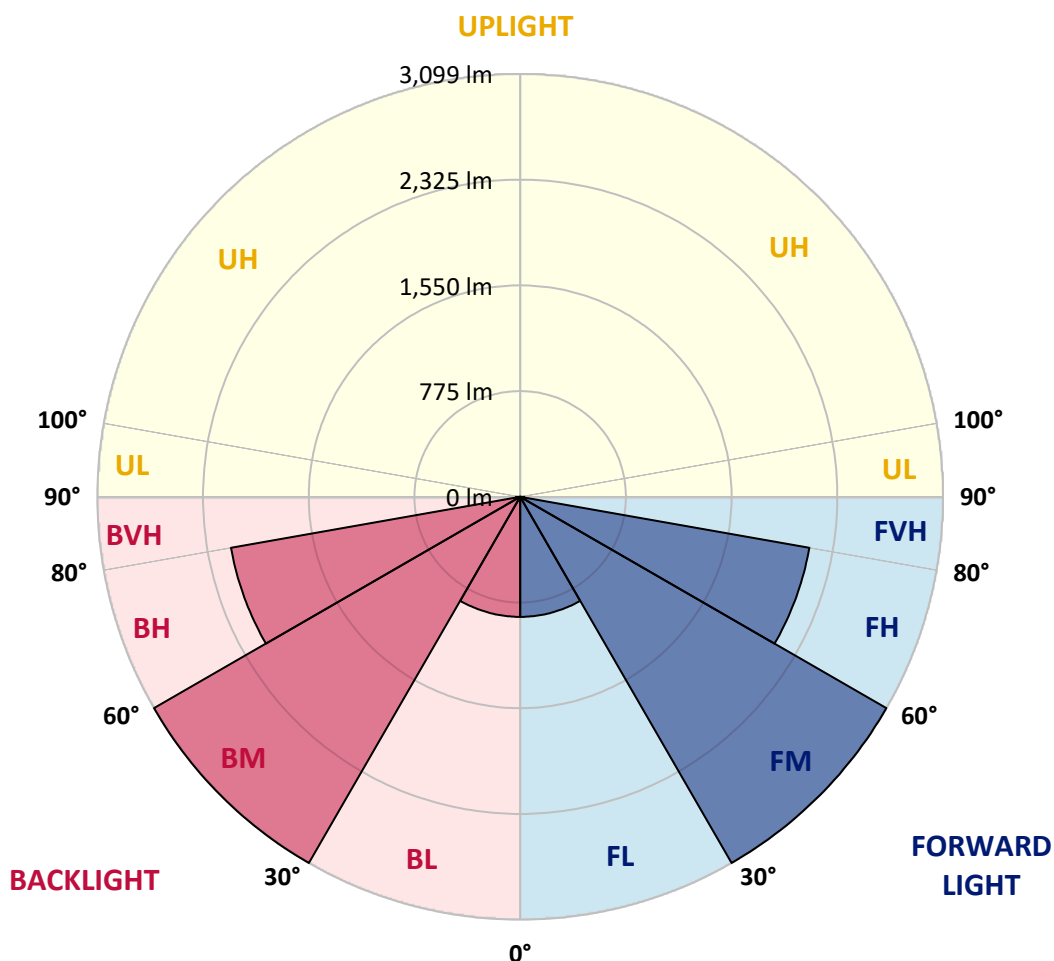
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	879.8	7.1			
FM	(30°-60°)	3099.5	25.2			
FH	(60°-80°)	2152.5	17.5			G2/5000
FVH	(80°-90°)	29.7	0.2			G1/100
BL	(0°-30°)	879.8	7.1	B2/1000		
BM	(30°-60°)	3099.5	25.2	B3/5000		
BH	(60°-80°)	2152.5	17.5	B3/2500		G3/2500
BVH	(80°-90°)	29.7	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°	2085.0	2085.0	2085.0	2085.0	2085.0	2085.0	2085.0	2085.0	2085.0	2085.0	2085.0
2.5°	2073.7	2081.2	2085.0	2083.7	2076.2	2076.2	2076.2	2076.2	2073.7	2072.4	2073.7
5°	2058.6	2064.9	2072.4	2068.7	2064.9	2068.7	2068.7	2068.7	2069.9	2069.9	2069.9
7.5°	2046.1	2054.8	2058.6	2063.6	2054.8	2064.9	2080.0	2082.5	2083.7	2083.7	2083.7
10°	2034.8	2042.3	2052.3	2051.1	2054.8	2069.9	2086.2	2105.1	2106.3	2110.1	2110.1
12.5°	2007.1	2017.2	2028.5	2036.0	2041.0	2076.2	2092.5	2116.4	2135.2	2137.7	2139.0
15°	1973.3	1979.5	1992.1	2009.7	2036.0	2073.7	2110.1	2140.2	2170.3	2177.9	2177.9
17.5°	1921.8	1929.3	1946.9	1972.0	2019.7	2081.2	2139.0	2179.1	2216.8	2228.1	2230.6
20°	1851.5	1865.3	1889.2	1933.1	1997.1	2086.2	2170.3	2230.6	2279.5	2304.6	2305.9
22.5°	1767.4	1777.4	1820.1	1882.9	1973.3	2086.2	2203.0	2290.8	2358.6	2397.5	2401.3
25°	1675.8	1684.5	1739.8	1827.6	1943.1	2087.5	2235.6	2357.4	2462.8	2514.3	2519.3
27.5°	1592.9	1601.7	1664.5	1771.2	1916.8	2091.3	2270.8	2439.0	2585.8	2654.9	2668.7
30°	1516.3	1520.1	1591.7	1709.7	1887.9	2093.8	2313.4	2528.1	2715.1	2826.8	2834.4
32.5°	1444.8	1454.8	1521.4	1648.1	1854.0	2097.5	2369.9	2654.9	2922.2	3090.4	3096.7
35°	1380.8	1389.6	1456.1	1585.4	1808.8	2107.6	2431.4	2816.8	3222.2	3516.0	3564.9
37.5°	1329.3	1338.1	1397.1	1518.9	1762.4	2105.1	2511.8	3013.9	3588.8	4053.2	4127.3
40°	1287.9	1297.9	1345.6	1456.1	1700.9	2086.2	2595.9	3227.3	3987.9	4619.3	4729.8
42.5°	1252.7	1261.5	1303.0	1400.9	1634.3	2056.1	2671.2	3420.6	4373.3	5195.5	5283.4
45°	1212.6	1222.6	1262.8	1354.4	1572.8	2009.7	2721.4	3610.1	4763.7	5742.8	5868.3
47.5°	1186.2	1192.5	1223.9	1309.2	1503.8	1936.9	2730.2	3744.4	5181.7	6321.5	6408.1
50°	1162.4	1161.1	1188.7	1264.0	1439.8	1844.0	2683.7	3848.6	5579.6	6861.2	6990.5
52.5°	1128.5	1129.7	1152.3	1220.1	1377.0	1736.0	2573.3	3875.0	5988.8	7402.2	7542.8
55°	1088.3	1092.1	1113.4	1169.9	1313.0	1629.3	2385.0	3827.3	6429.4	7937.0	8162.9
57.5°	1049.4	1046.9	1068.2	1118.4	1244.0	1521.4	2170.3	3705.5	6852.4	8499.3	8641.2
60°	1004.2	1006.7	1021.8	1063.2	1171.2	1407.1	1930.6	3494.6	7137.4	8933.6	9032.8
62.5°	952.7	952.7	966.5	997.9	1087.0	1282.9	1700.9	3216.0	7298.0	9159.6	9324.0
65°	887.5	883.7	898.8	921.4	989.1	1149.8	1491.2	2888.3	7219.0	9296.4	9544.9
67.5°	817.2	809.6	817.2	827.2	877.4	1006.7	1279.1	2592.1	6849.9	9208.5	9507.3
70°	725.5	715.5	719.3	719.3	753.2	839.8	1072.0	2341.0	6007.6	8924.8	9349.1
72.5°	593.7	590.0	596.2	591.2	616.3	674.1	888.7	2036.0	4895.5	8244.5	8754.1
75°	361.5	366.5	386.6	421.8	444.4	488.3	650.2	1610.5	3706.8	6219.8	6828.6
77.5°	150.6	168.2	185.8	192.1	217.2	212.1	293.7	730.6	1501.3	2476.6	2681.2
80°	50.2	51.5	114.2	126.8	139.3	114.2	111.7	244.8	429.3	362.8	305.0
82.5°	30.1	32.6	62.8	67.8	59.0	61.5	65.3	82.8	80.3	130.5	148.1
85°	15.1	16.3	27.6	31.4	31.4	37.7	37.7	40.2	45.2	79.1	85.4
87.5°	3.8	3.8	7.5	11.3	12.6	15.1	15.1	17.6	20.1	28.9	33.9
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)