

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: P509130

Luminaire Tested: **VERD-CA2-110-740-U-T5**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509130  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-CA2-110-740-U-T5  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1020mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16586 lumens  
Efficiency: N/A  
Efficacy: 146.0 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G3

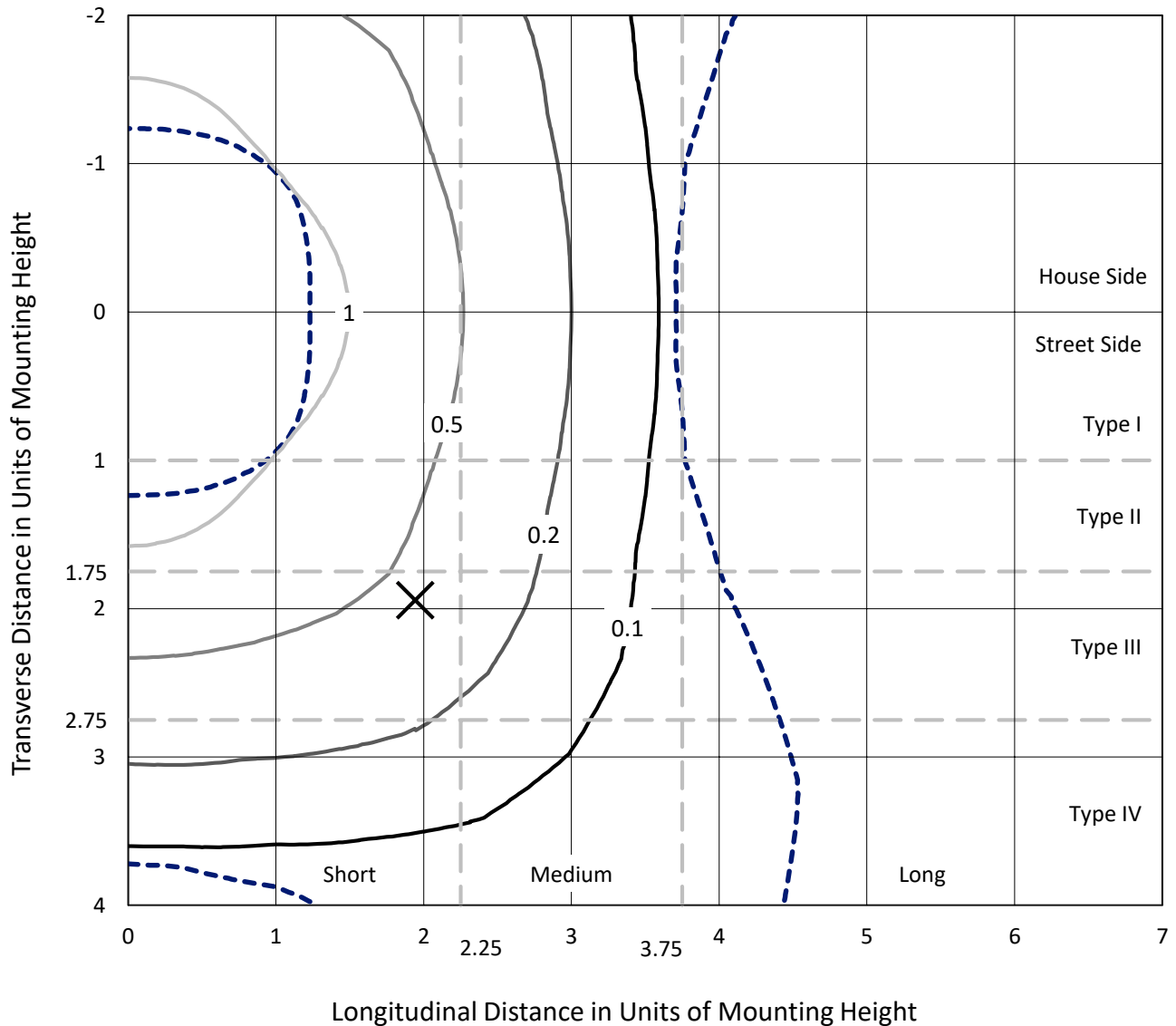
Input Watts (W): 113.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

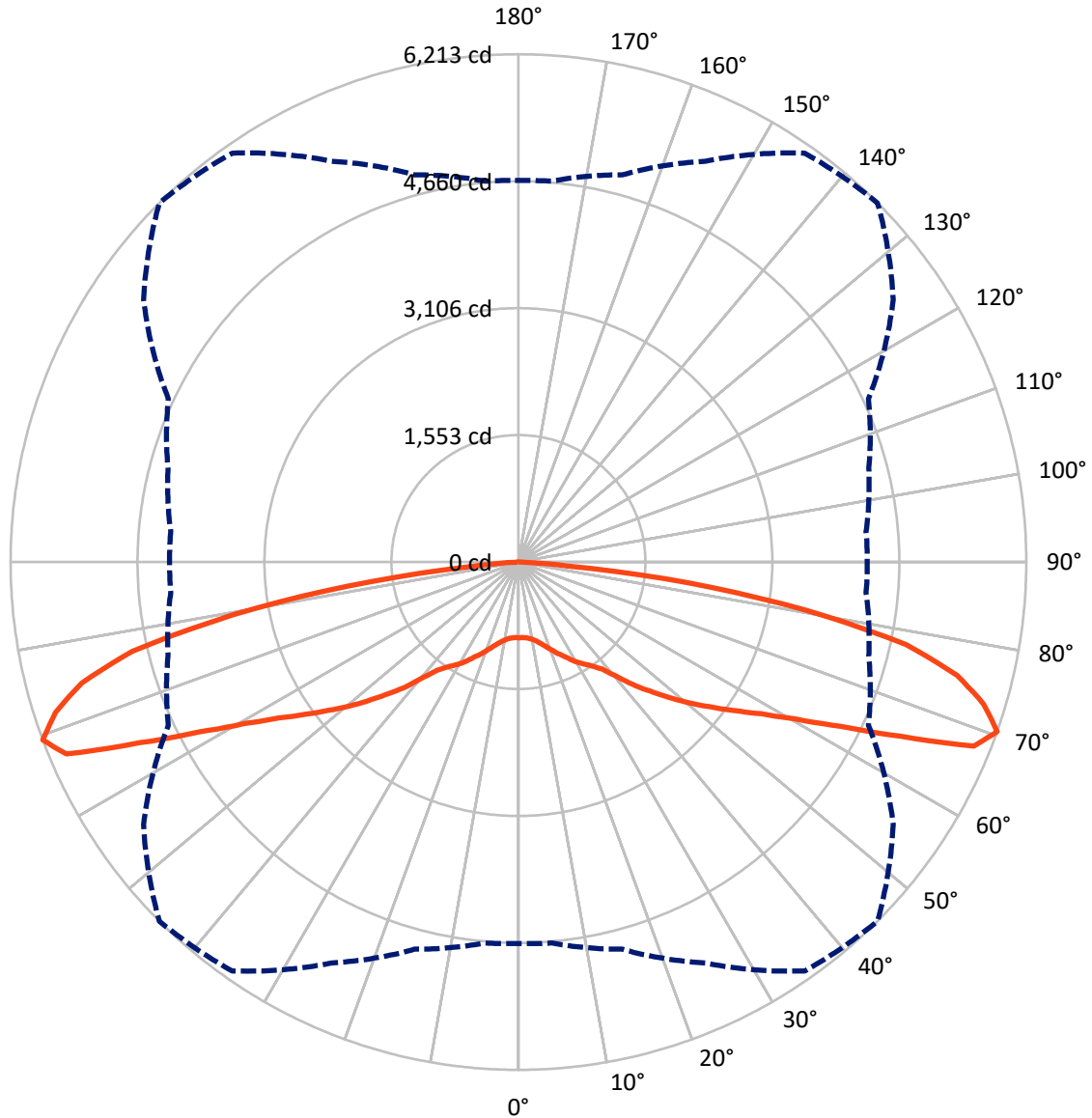
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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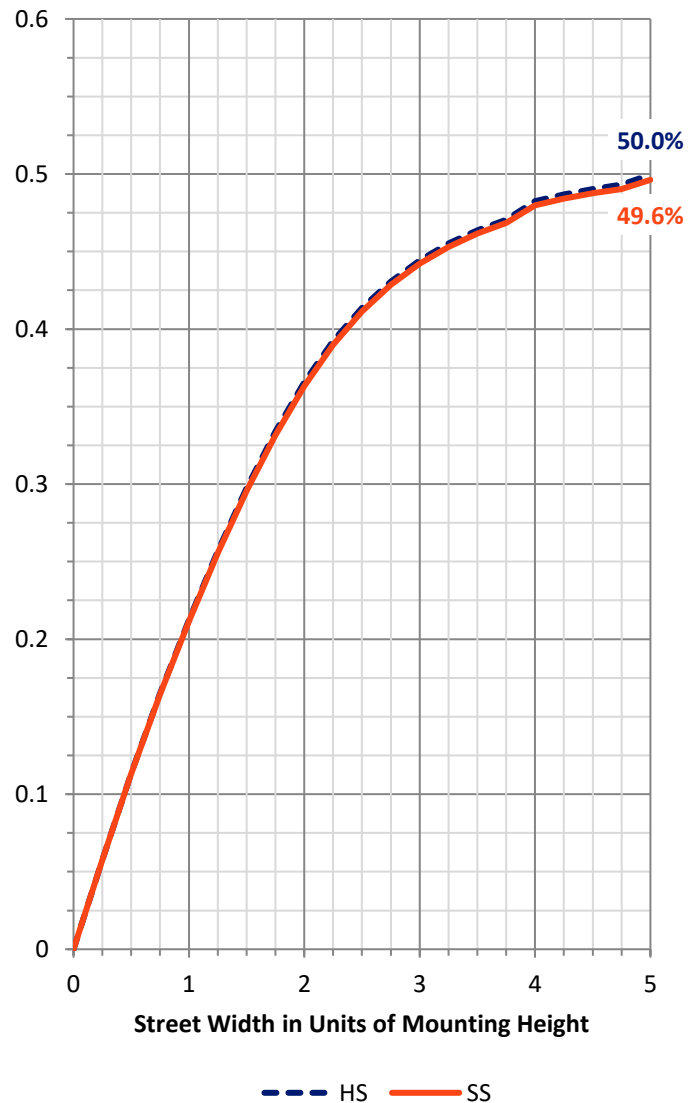
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8293.0	0.0	8293.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8293.0	0.0	8293.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16586.0	0.0	16586.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.1	0.5
10°-20°	296.3	1.8
20°-30°	582.0	3.5
30°-40°	998.1	6.0
40°-50°	1832.7	11.0
50°-60°	3084.3	18.6
60°-70°	4873.3	29.4
70°-80°	4158.7	25.1
80°-90°	670.5	4.0
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°	16586.0	100.0
0°-180°	16586.0	100.0



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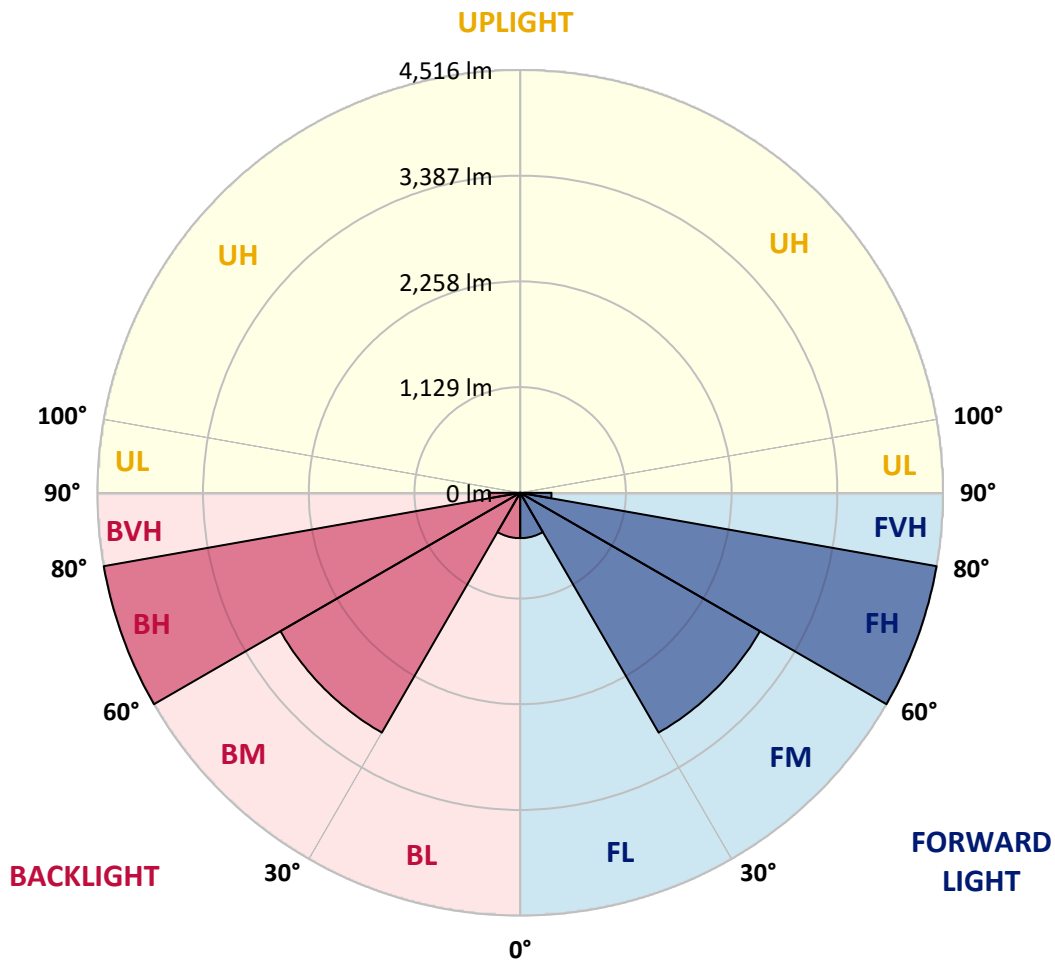
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	484.2	2.9			
FM (30°-60°)	2957.6	17.8			
FH (60°-80°)	4516.0	27.2			G2/5000
FVH (80°-90°)	335.2	2.0			G3/500
BL (0°-30°)	484.2	2.9	B1/500		
BM (30°-60°)	2957.6	17.8	B3/5000		
BH (60°-80°)	4516.0	27.2	B4/5000		G2/5000
BVH (80°-90°)	335.2	2.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	927.1	927.1	927.1	927.1	927.1	927.1	927.1	927.1	927.1	927.1	927.1
2.5°	928.9	934.1	928.9	928.9	925.4	923.6	923.6	923.6	927.1	930.6	930.6
5°	935.8	939.3	934.1	934.1	930.6	930.6	930.6	930.6	934.1	937.6	935.8
7.5°	948.0	953.3	948.0	948.0	944.5	941.1	941.1	942.8	944.5	946.3	944.5
10°	968.9	975.9	968.9	972.4	965.5	963.7	962.0	962.0	963.7	963.7	963.7
12.5°	995.1	1000.3	996.8	1000.3	993.3	993.3	988.1	988.1	986.4	986.4	986.4
15°	1029.9	1036.9	1033.4	1038.7	1035.2	1035.2	1029.9	1024.7	1023.0	1023.0	1023.0
17.5°	1071.8	1078.7	1077.0	1085.7	1082.2	1085.7	1075.2	1066.5	1068.3	1068.3	1066.5
20°	1120.6	1127.5	1127.5	1139.7	1139.7	1143.2	1129.3	1120.6	1117.1	1118.8	1117.1
22.5°	1174.6	1181.6	1179.8	1199.0	1209.4	1209.4	1190.3	1183.3	1176.3	1178.1	1174.6
25°	1233.8	1242.5	1233.8	1251.3	1268.7	1270.4	1254.7	1237.3	1237.3	1246.0	1242.5
27.5°	1284.4	1294.8	1289.6	1296.6	1334.9	1345.4	1321.0	1301.8	1305.3	1312.3	1307.0
30°	1345.4	1354.1	1345.4	1350.6	1387.2	1422.0	1376.7	1371.5	1378.5	1385.4	1385.4
32.5°	1423.8	1434.2	1418.6	1423.8	1436.0	1490.0	1449.9	1456.9	1472.6	1488.3	1488.3
35°	1516.2	1526.6	1510.9	1510.9	1516.2	1561.5	1549.3	1570.2	1601.5	1634.7	1641.6
37.5°	1632.9	1638.1	1620.7	1613.7	1624.2	1660.8	1678.2	1725.3	1775.8	1836.8	1847.3
40°	1791.5	1798.5	1774.1	1767.1	1774.1	1826.4	1875.1	1958.8	2028.5	2093.0	2100.0
42.5°	2026.8	2047.7	2023.3	2000.6	2000.6	2047.7	2115.6	2216.7	2305.6	2347.4	2357.9
45°	2286.4	2305.6	2253.3	2223.7	2211.5	2249.8	2324.8	2443.3	2526.9	2594.9	2589.7
47.5°	2594.9	2587.9	2539.1	2486.8	2448.5	2472.9	2542.6	2645.4	2736.0	2797.0	2798.8
50°	2939.9	2938.2	2873.7	2770.9	2697.7	2708.2	2755.2	2865.0	2955.6	3013.1	3027.1
52.5°	3307.6	3295.5	3210.1	3091.6	2981.8	2946.9	2966.1	3063.7	3161.3	3227.5	3227.5
55°	3675.4	3659.7	3588.2	3431.4	3300.7	3206.6	3192.6	3290.2	3401.8	3481.9	3487.1
57.5°	4055.3	4058.8	3982.1	3847.9	3647.5	3502.8	3464.5	3576.0	3694.5	3767.7	3786.9
60°	4442.1	4438.7	4379.4	4285.3	4084.9	3896.7	3833.9	3898.4	4048.3	4105.8	4128.5
62.5°	4935.3	4947.5	4860.4	4794.2	4604.2	4423.0	4304.5	4367.2	4515.3	4595.5	4597.2
65°	5202.0	5226.4	5264.7	5385.0	5322.2	5137.5	4987.6	4914.4	4869.1	4843.0	4827.3
67.5°	5052.1	5053.8	5219.4	5526.1	5888.6	6007.1	5435.5	4923.1	4734.9	4682.6	4668.7
70°	4667.0	4677.4	4904.0	5411.1	6106.4	6212.7	5597.6	4724.5	4436.9	4269.6	4267.9
72.5°	3900.2	4027.4	4325.4	5076.5	5965.3	5953.1	5337.9	4403.8	3950.7	3785.1	3766.0
75°	3086.3	3122.9	3535.9	4381.2	5442.5	5543.5	4959.7	3828.7	3302.4	3084.6	3072.4
77.5°	1972.7	2005.9	2460.7	3400.0	4599.0	4844.7	4231.3	3058.4	2469.4	2164.4	2155.7
80°	963.7	1057.8	1402.9	2213.2	3319.8	3551.6	2976.5	1955.3	1462.1	1174.6	1150.2
82.5°	395.6	416.5	683.1	1225.1	1948.3	2105.2	1521.4	909.7	540.2	357.3	331.1
85°	118.5	120.2	209.1	437.4	820.8	594.3	306.7	130.7	57.5	41.8	40.1
87.5°	20.9	22.7	38.3	52.3	50.5	22.7	20.9	19.2	19.2	19.2	20.9
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)