

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: P507758

Luminaire Tested: **VERD-S-CA1-80-760-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507758  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)  
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-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 5700K, 1500mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11292 lumens  
Efficiency: N/A  
Efficacy: 135.9 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - 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

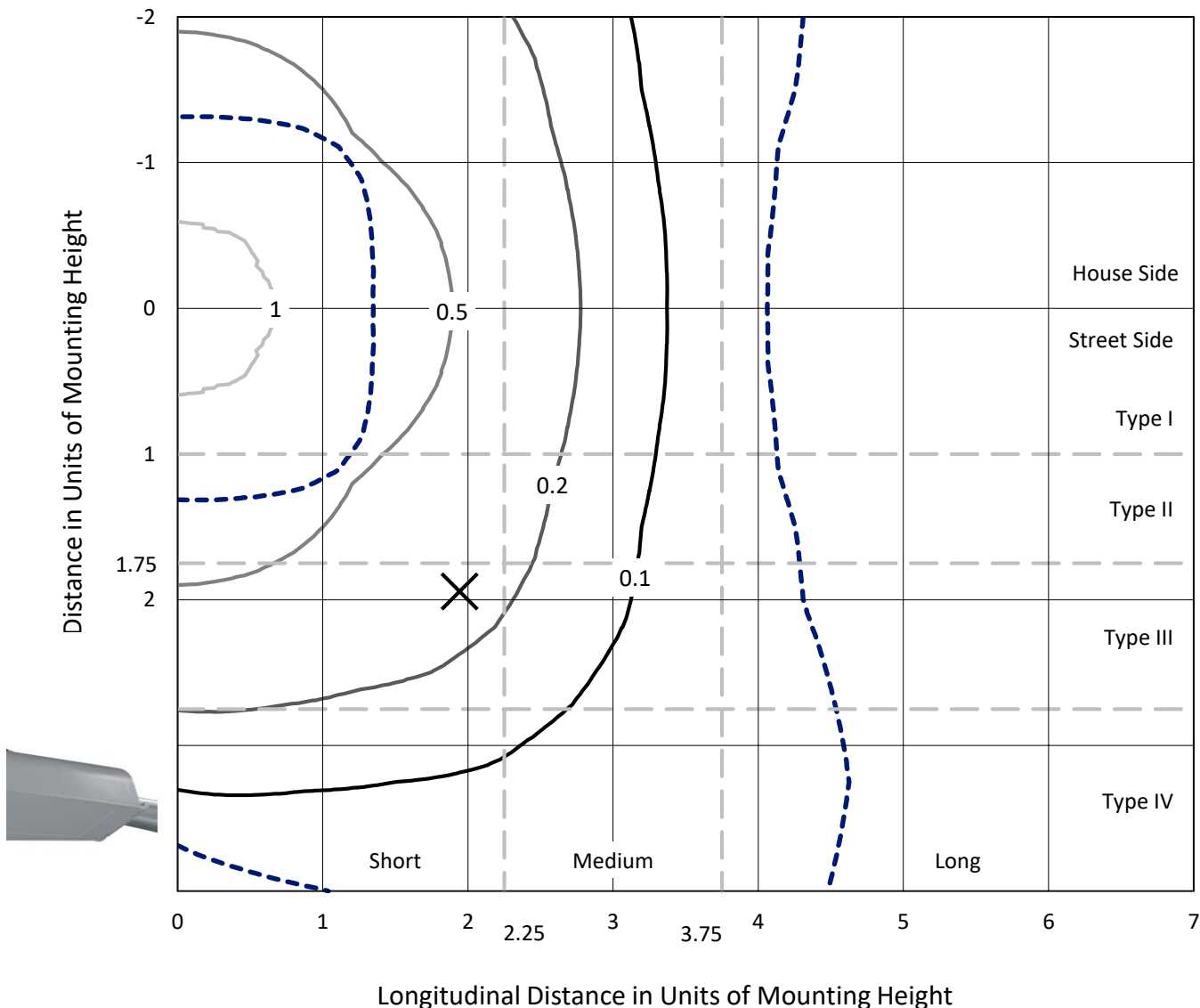


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### Iso-Footcandle Lines of Horizontal Illumination

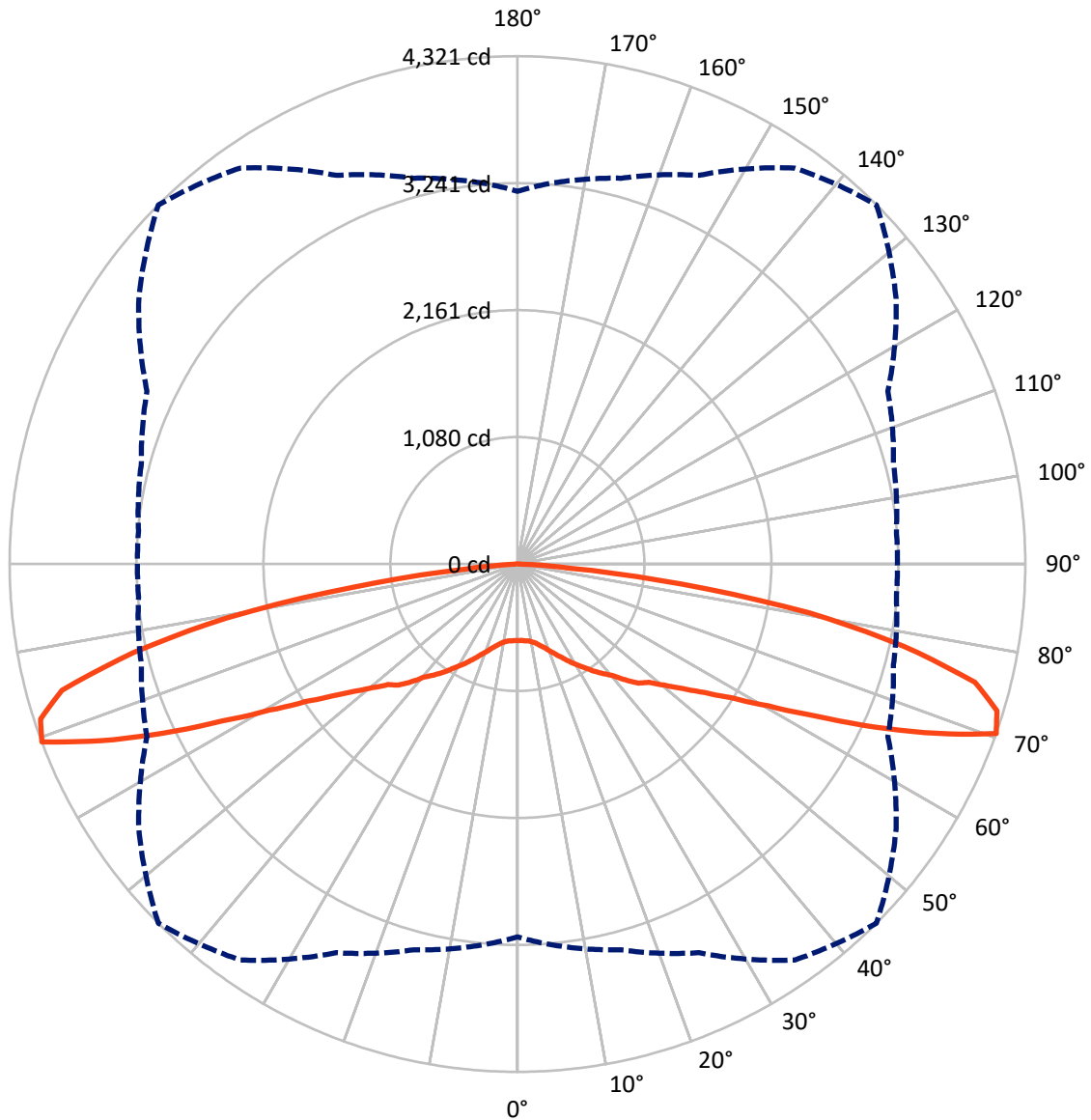
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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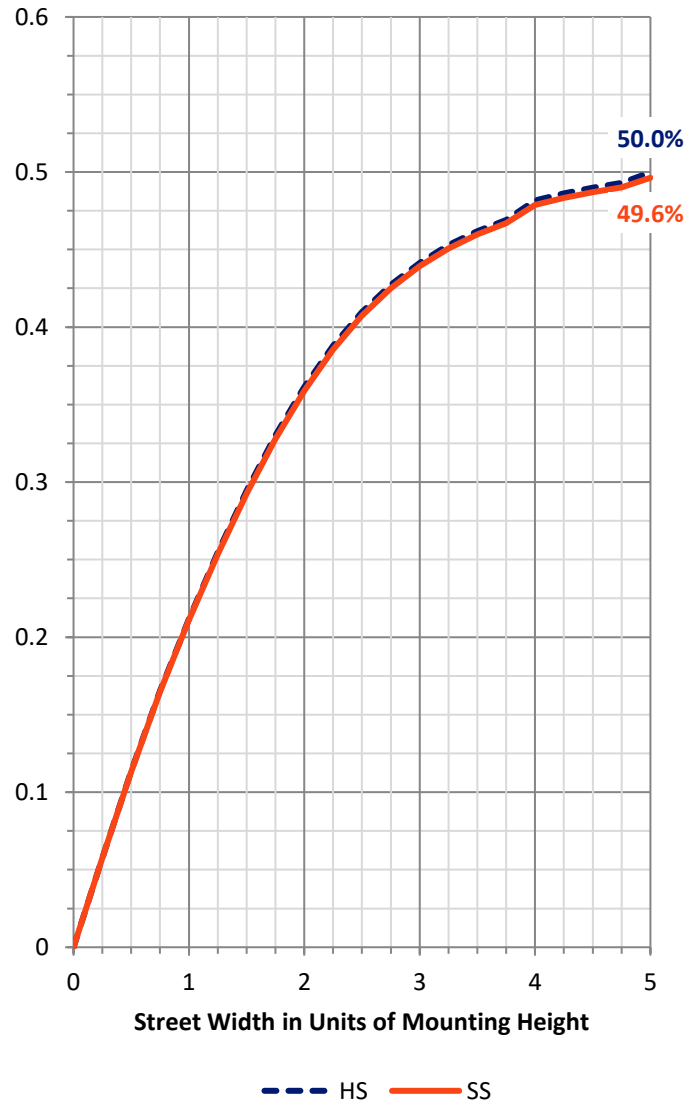
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5646.0	0.0	5646.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5646.0	0.0	5646.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11292.0	0.0	11292.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.1	0.6
10°-20°	203.9	1.8
20°-30°	404.3	3.6
30°-40°	703.7	6.2
40°-50°	1152.8	10.2
50°-60°	1960.3	17.4
60°-70°	3258.6	28.9
70°-80°	3039.7	26.9
80°-90°	505.6	4.5
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°	11292.0	100.0
0°-180°	11292.0	100.0

**Coefficient of Utilization**



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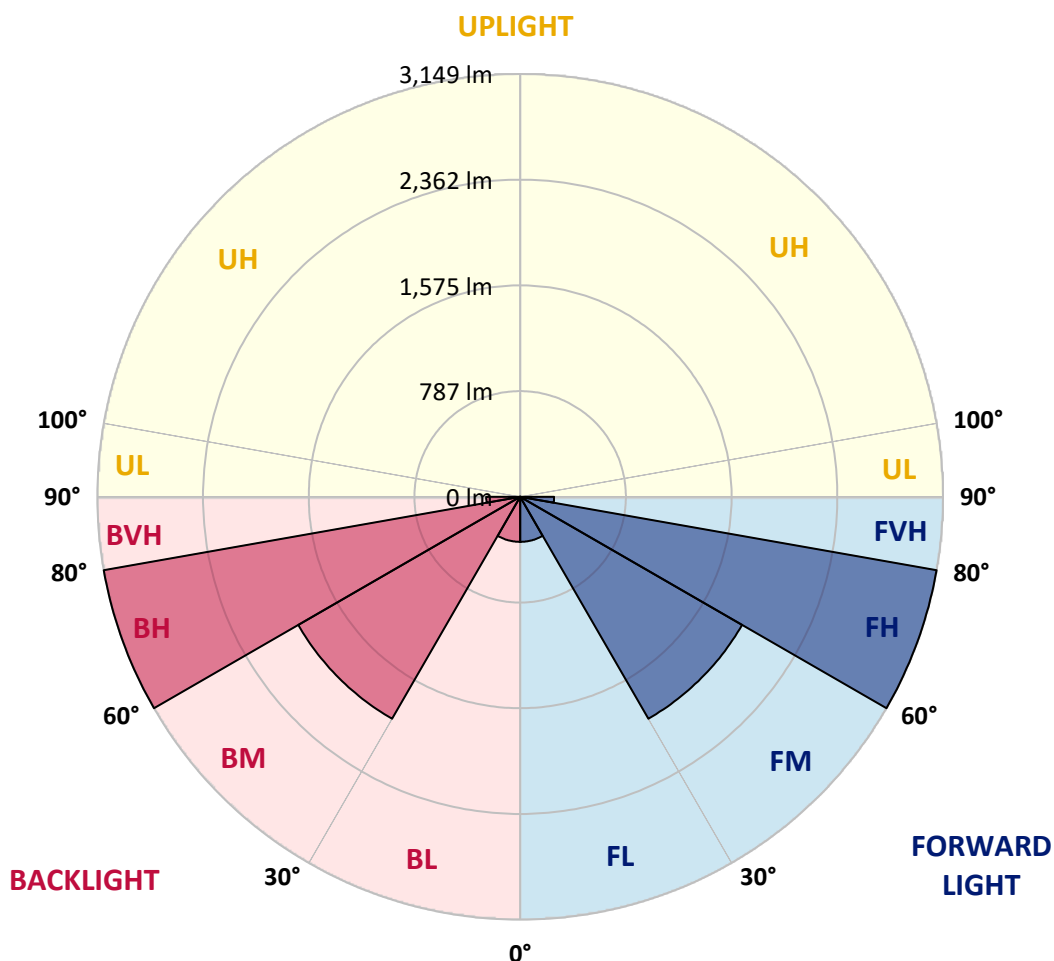
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.6	3.0			
FM (30°-60°)	1908.4	16.9			
FH (60°-80°)	3149.1	27.9			G2/5000
FVH (80°-90°)	252.8	2.2			G3/500
BL (0°-30°)	335.6	3.0	B1/500		
BM (30°-60°)	1908.4	16.9	B2/2500		
BH (60°-80°)	3149.1	27.9	B4/5000		G2/5000
BVH (80°-90°)	252.8	2.2			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°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9
2.5°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	654.0	654.0	654.0	654.0
5°	657.0	657.0	654.0	654.0	654.0	657.0	657.0	657.0	657.0	660.1	660.1
7.5°	660.1	660.1	660.1	660.1	660.1	660.1	660.1	660.1	663.2	663.2	663.2
10°	672.3	672.3	672.3	672.3	672.3	672.3	672.3	672.3	672.3	672.3	672.3
12.5°	684.6	684.6	687.6	687.6	690.7	690.7	687.6	687.6	684.6	681.5	681.5
15°	705.9	705.9	709.0	712.1	718.2	718.2	715.1	712.1	705.9	702.9	702.9
17.5°	727.3	727.3	730.4	736.5	745.7	748.7	742.6	736.5	730.4	727.3	727.3
20°	757.9	761.0	764.0	770.1	785.4	791.5	782.3	770.1	767.1	767.1	767.1
22.5°	803.7	803.7	803.7	812.9	825.1	834.3	822.1	816.0	809.8	809.8	809.8
25°	852.6	852.6	852.6	855.7	874.0	883.2	871.0	861.8	858.7	861.8	861.8
27.5°	907.6	907.6	907.6	907.6	922.9	938.2	922.9	913.8	916.8	916.8	916.8
30°	965.7	965.7	968.8	968.8	974.9	993.2	977.9	974.9	977.9	981.0	981.0
32.5°	1032.9	1036.0	1032.9	1032.9	1039.1	1051.3	1042.1	1042.1	1048.2	1054.3	1054.3
35°	1103.2	1103.2	1103.2	1103.2	1106.3	1118.5	1112.4	1112.4	1121.6	1130.7	1130.7
37.5°	1179.6	1182.7	1173.5	1170.5	1176.6	1182.7	1179.6	1185.7	1201.0	1213.2	1216.3
40°	1262.1	1262.1	1253.0	1243.8	1243.8	1246.9	1253.0	1265.2	1286.6	1301.9	1304.9
42.5°	1366.0	1375.2	1359.9	1347.7	1341.6	1347.7	1353.8	1375.2	1396.6	1408.8	1408.8
45°	1503.6	1506.6	1488.3	1466.9	1451.6	1445.5	1454.7	1476.1	1500.5	1525.0	1525.0
47.5°	1671.7	1665.5	1625.8	1561.6	1515.8	1503.6	1518.8	1567.7	1625.8	1662.5	1668.6
50°	1882.5	1876.4	1815.3	1720.5	1638.0	1619.7	1628.9	1702.2	1787.8	1842.8	1852.0
52.5°	2133.1	2117.8	2050.6	1925.3	1800.0	1757.2	1778.6	1876.4	1986.4	2056.7	2065.9
55°	2389.8	2380.7	2310.4	2169.8	2010.9	1931.4	1958.9	2090.3	2227.8	2301.2	2307.3
57.5°	2640.4	2643.5	2579.3	2450.9	2264.5	2148.4	2185.1	2340.9	2496.8	2570.1	2570.1
60°	2878.8	2875.7	2829.9	2729.0	2585.4	2450.9	2496.8	2625.1	2762.7	2829.9	2836.0
62.5°	3108.0	3104.9	3089.6	3025.5	2943.0	2845.2	2848.2	2933.8	3043.8	3092.7	3101.9
65°	3404.4	3398.3	3376.9	3337.2	3349.4	3343.3	3242.5	3263.8	3367.7	3422.8	3425.8
67.5°	3425.8	3462.5	3532.8	3652.0	3823.1	3847.5	3719.2	3526.7	3474.7	3444.1	3441.1
70°	3172.2	3251.6	3398.3	3648.9	4113.4	4321.2	3933.1	3477.8	3312.7	3236.3	3233.3
72.5°	2726.0	2891.0	3083.5	3483.9	4131.8	4266.2	3954.5	3297.5	3031.6	2906.3	2888.0
75°	2111.7	2270.6	2591.5	3141.6	3887.3	4021.7	3716.1	2958.2	2616.0	2493.7	2457.1
77.5°	1298.8	1488.3	1827.5	2457.1	3218.0	3355.5	3111.0	2359.3	1992.5	1800.0	1809.2
80°	632.6	819.0	1103.2	1659.4	2313.4	2515.1	2139.2	1521.9	1213.2	1078.8	1066.6
82.5°	275.0	372.8	531.7	831.2	1314.1	1405.8	1087.9	751.8	599.0	534.8	528.7
85°	39.7	55.0	137.5	247.5	397.3	446.2	256.7	155.9	119.2	107.0	97.8
87.5°	27.5	27.5	27.5	30.6	36.7	39.7	33.6	30.6	27.5	27.5	27.5
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)