

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: P507630

Luminaire Tested: **VERD-S-CA1-60-727-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507630  
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-CA1-60-727-U-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2700K, 1150mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7698 lumens  
Efficiency: N/A  
Efficacy: 121.6 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 63.3  
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

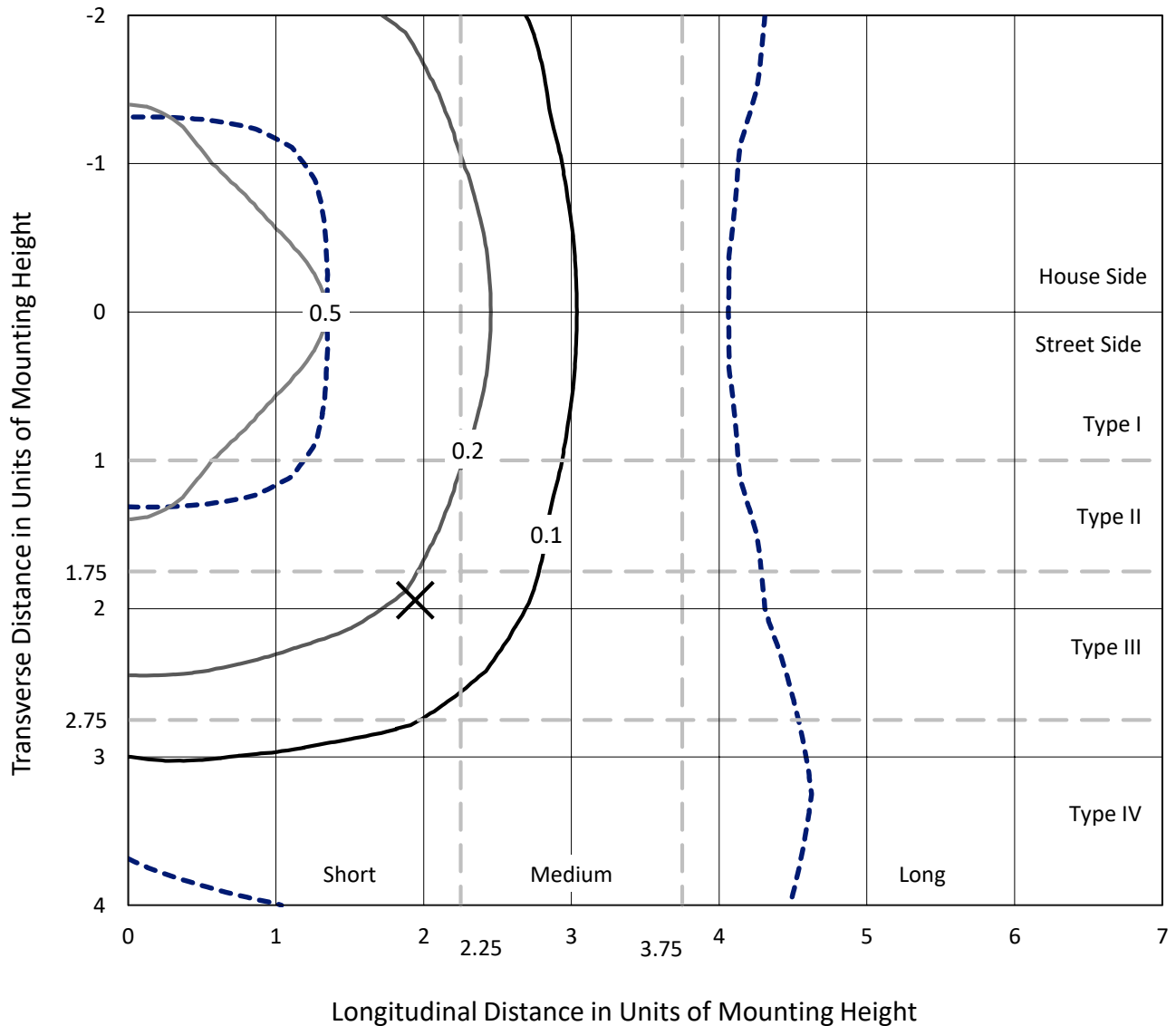


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### Iso-Footcandle Lines of Horizontal Illumination

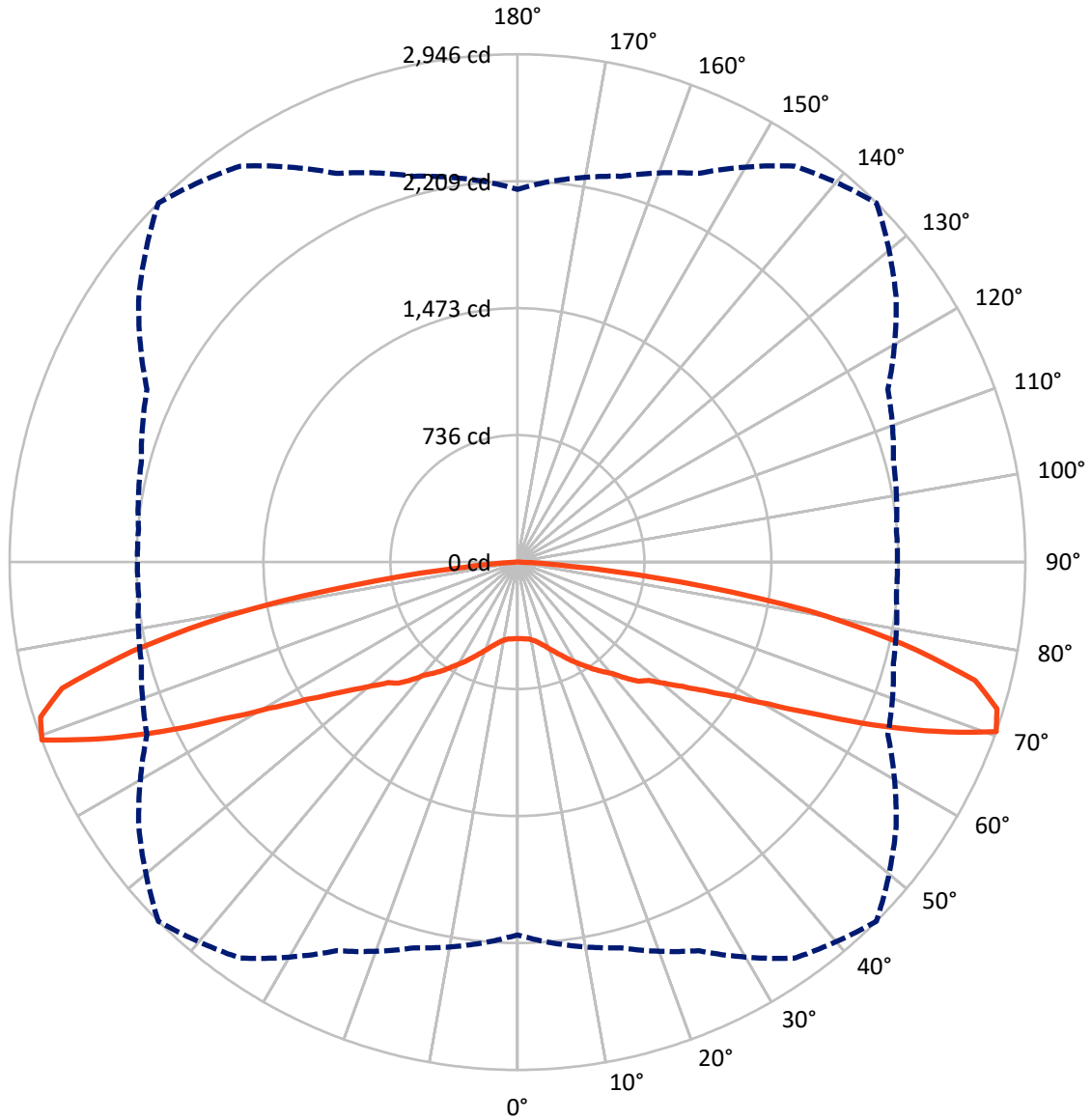
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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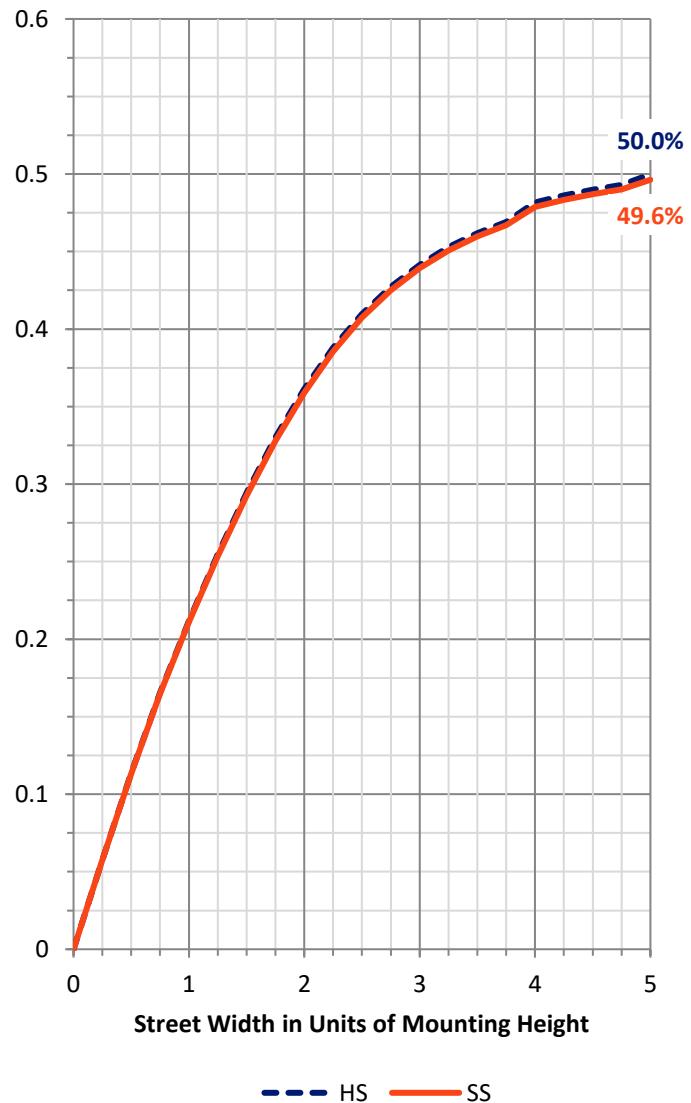
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3849.0	0.0	3849.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3849.0	0.0	3849.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7698.0	0.0	7698.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.0	0.6
10°-20°	139.0	1.8
20°-30°	275.6	3.6
30°-40°	479.7	6.2
40°-50°	785.9	10.2
50°-60°	1336.4	17.4
60°-70°	2221.4	28.9
70°-80°	2072.2	26.9
80°-90°	344.7	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°	7698.0	100.0
0°-180°	7698.0	100.0



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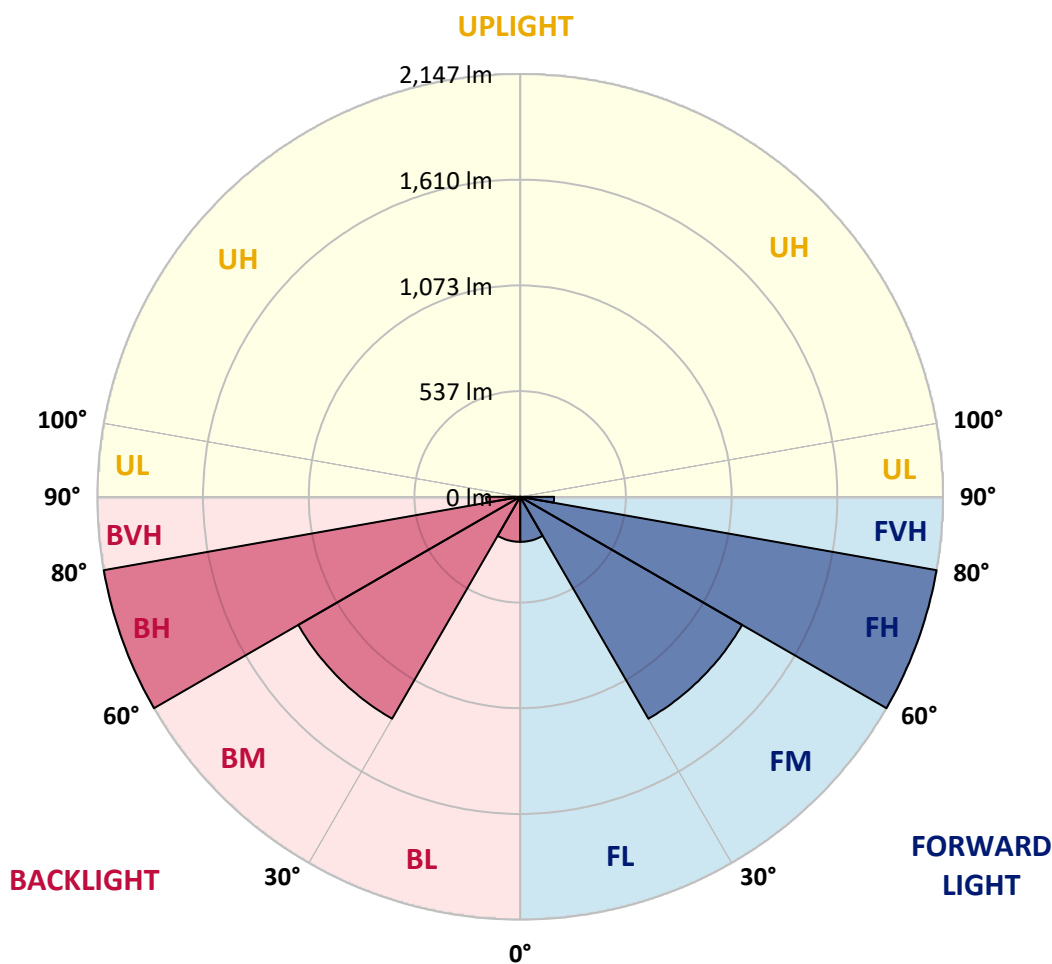
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.8	3.0			
FM (30°-60°)	1301.0	16.9			
FH (60°-80°)	2146.8	27.9			G2/5000
FVH (80°-90°)	172.4	2.2			G2/225
BL (0°-30°)	228.8	3.0	B1/500		
BM (30°-60°)	1301.0	16.9	B2/2500		
BH (60°-80°)	2146.8	27.9	B3/2500		G2/5000
BVH (80°-90°)	172.4	2.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	445.8	445.8	445.8	445.8
5°	447.9	447.9	445.8	445.8	445.8	447.9	447.9	447.9	447.9	450.0	450.0
7.5°	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	452.1	452.1	452.1
10°	458.3	458.3	458.3	458.3	458.3	458.3	458.3	458.3	458.3	458.3	458.3
12.5°	466.7	466.7	468.8	468.8	470.8	470.8	468.8	468.8	466.7	464.6	464.6
15°	481.3	481.3	483.3	485.4	489.6	489.6	487.5	485.4	481.3	479.2	479.2
17.5°	495.8	495.8	497.9	502.1	508.3	510.4	506.3	502.1	497.9	495.8	495.8
20°	516.7	518.8	520.8	525.0	535.4	539.6	533.3	525.0	522.9	522.9	522.9
22.5°	547.9	547.9	547.9	554.2	562.5	568.8	560.4	556.3	552.1	552.1	552.1
25°	581.3	581.3	581.3	583.3	595.8	602.1	593.8	587.5	585.4	587.5	587.5
27.5°	618.8	618.8	618.8	618.8	629.2	639.6	629.2	622.9	625.0	625.0	625.0
30°	658.3	658.3	660.4	660.4	664.6	677.1	666.7	664.6	666.7	668.8	668.8
32.5°	704.2	706.3	704.2	704.2	708.3	716.7	710.4	710.4	714.6	718.8	718.8
35°	752.1	752.1	752.1	752.1	754.2	762.5	758.3	758.3	764.6	770.8	770.8
37.5°	804.2	806.3	800.0	797.9	802.1	806.3	804.2	808.3	818.8	827.1	829.2
40°	860.4	860.4	854.2	847.9	847.9	850.0	854.2	862.5	877.1	887.5	889.6
42.5°	931.3	937.5	927.1	918.8	914.6	918.8	922.9	937.5	952.1	960.4	960.4
45°	1025.0	1027.1	1014.6	1000.0	989.6	985.4	991.7	1006.3	1022.9	1039.6	1039.6
47.5°	1139.6	1135.4	1108.3	1064.6	1033.3	1025.0	1035.4	1068.8	1108.3	1133.3	1137.5
50°	1283.4	1279.2	1237.5	1172.9	1116.7	1104.2	1110.4	1160.4	1218.8	1256.3	1262.5
52.5°	1454.2	1443.8	1397.9	1312.5	1227.1	1197.9	1212.5	1279.2	1354.2	1402.1	1408.4
55°	1629.2	1622.9	1575.0	1479.2	1370.9	1316.7	1335.4	1425.0	1518.8	1568.8	1572.9
57.5°	1800.0	1802.1	1758.4	1670.9	1543.8	1464.6	1489.6	1595.9	1702.1	1752.1	1752.1
60°	1962.5	1960.4	1929.2	1860.4	1762.5	1670.9	1702.1	1789.6	1883.4	1929.2	1933.4
62.5°	2118.8	2116.7	2106.3	2062.5	2006.3	1939.6	1941.7	2000.0	2075.0	2108.4	2114.6
65°	2320.9	2316.7	2302.1	2275.0	2283.4	2279.2	2210.4	2225.0	2295.9	2333.4	2335.5
67.5°	2335.5	2360.5	2408.4	2489.6	2606.3	2623.0	2535.5	2404.2	2368.8	2348.0	2345.9
70°	2162.5	2216.7	2316.7	2487.5	2804.2	2945.9	2681.3	2370.9	2258.4	2206.3	2204.2
72.5°	1858.4	1970.9	2102.1	2375.0	2816.7	2908.4	2695.9	2247.9	2066.7	1981.3	1968.8
75°	1439.6	1547.9	1766.7	2141.7	2650.0	2741.7	2533.4	2016.7	1783.4	1700.0	1675.0
77.5°	885.4	1014.6	1245.9	1675.0	2193.8	2287.5	2120.9	1608.4	1358.4	1227.1	1233.4
80°	431.3	558.3	752.1	1131.3	1577.1	1714.6	1458.4	1037.5	827.1	735.4	727.1
82.5°	187.5	254.2	362.5	566.7	895.8	958.3	741.7	512.5	408.3	364.6	360.4
85°	27.1	37.5	93.8	168.8	270.8	304.2	175.0	106.3	81.3	72.9	66.7
87.5°	18.8	18.8	18.8	20.8	25.0	27.1	22.9	20.8	18.8	18.8	18.8
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)