

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: P507694

Luminaire Tested: **VERD-S-CA1-70-740-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507694  
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-CA1-70-740-U-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 4000K, 1330mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10293 lumens  
Efficiency: N/A  
Efficacy: 140.0 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

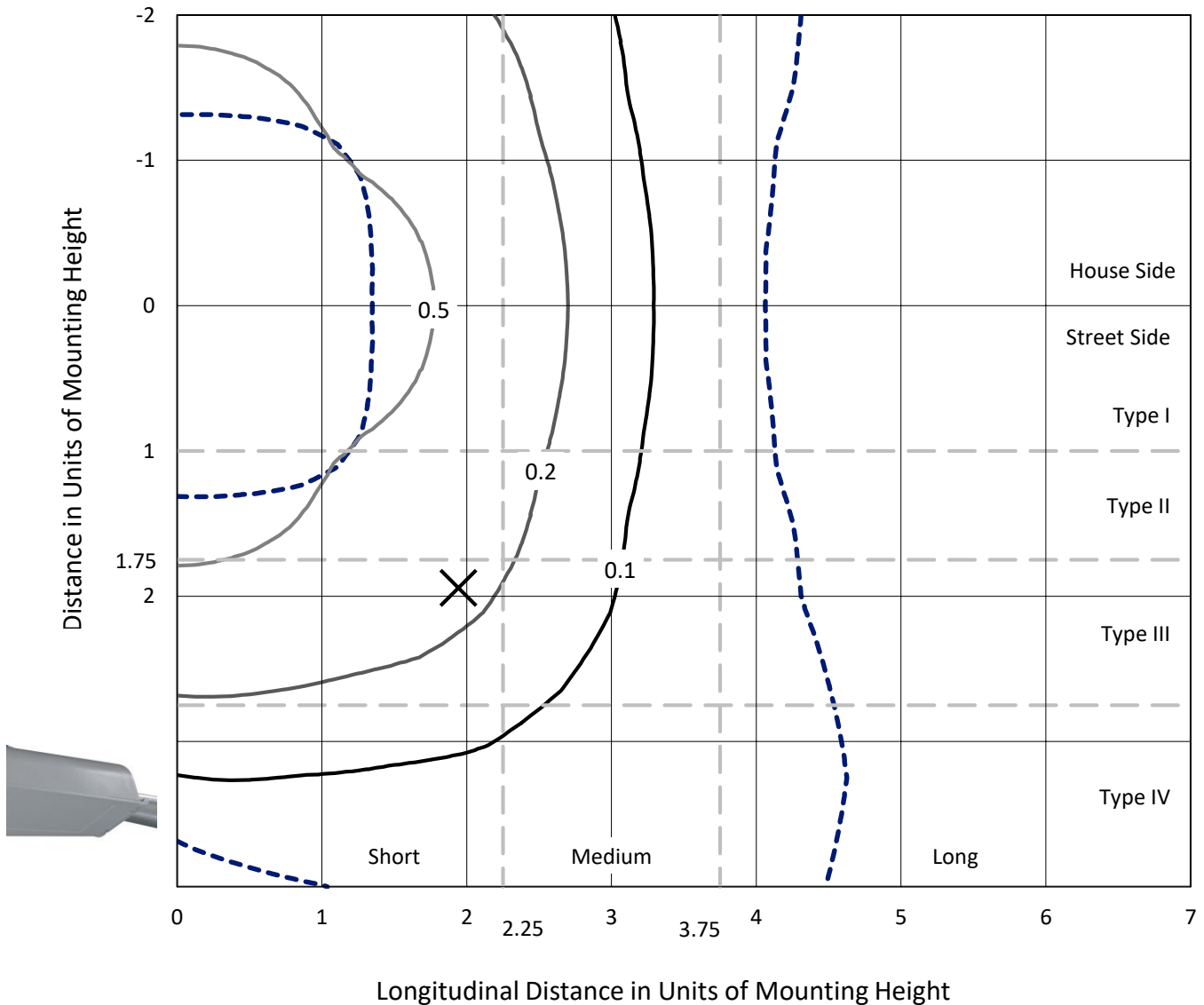
Input Watts (W): 73.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

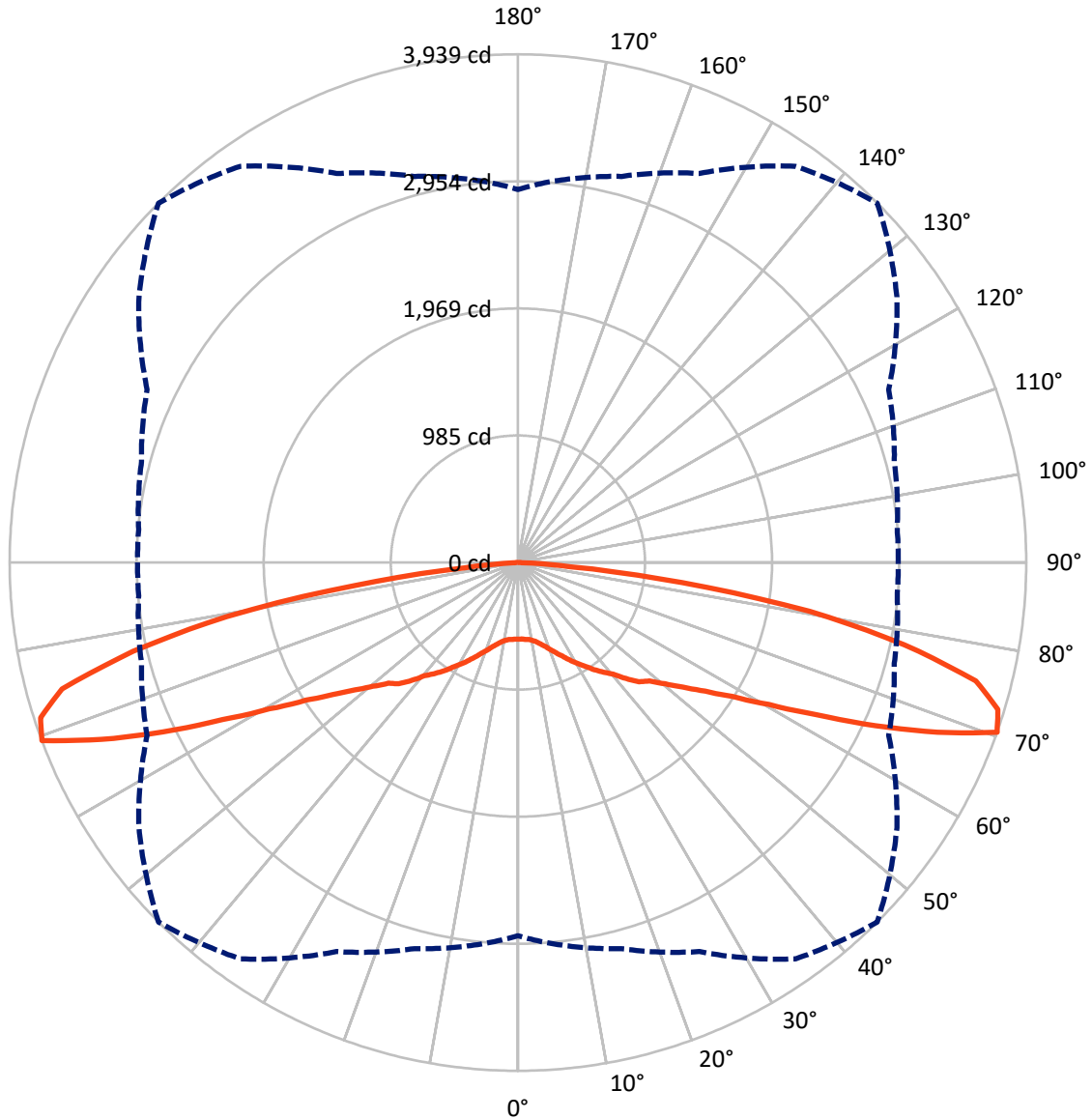
× Max cd  
 - - - 1/2 Max cd



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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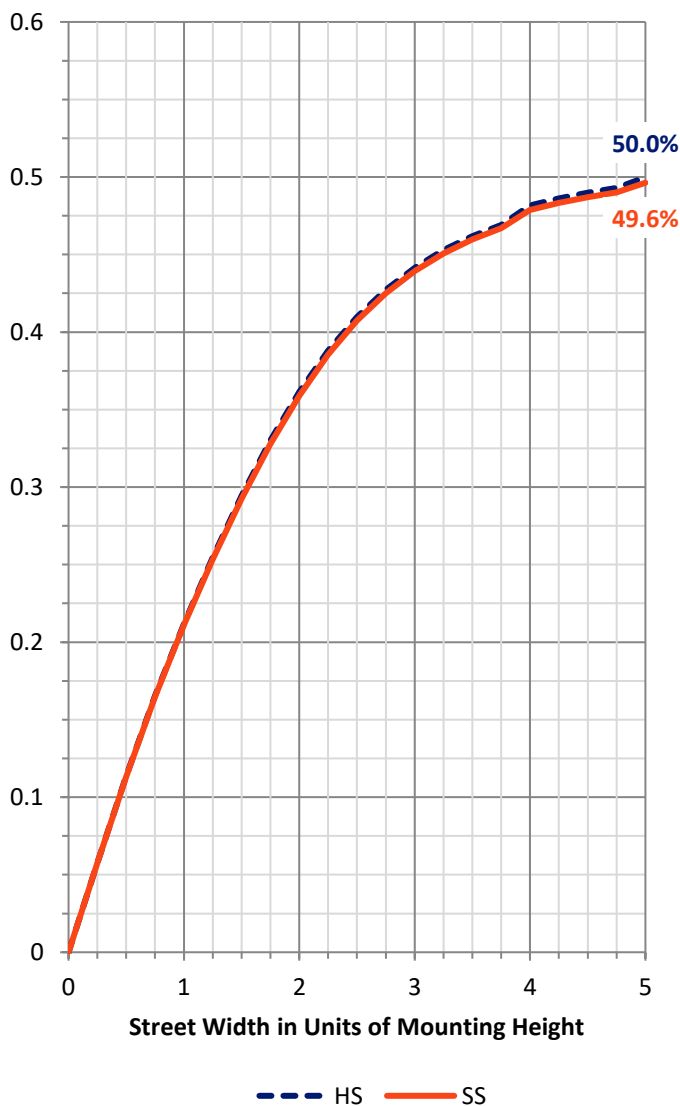
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5146.5	0.0	5146.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5146.5	0.0	5146.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10293.0	0.0	10293.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.5	0.6
10°-20°	185.9	1.8
20°-30°	368.6	3.6
30°-40°	641.4	6.2
40°-50°	1050.9	10.2
50°-60°	1786.8	17.4
60°-70°	2970.3	28.9
70°-80°	2770.8	26.9
80°-90°	460.9	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°	10293.0	100.0
0°-180°	10293.0	100.0

**Coefficient of Utilization**



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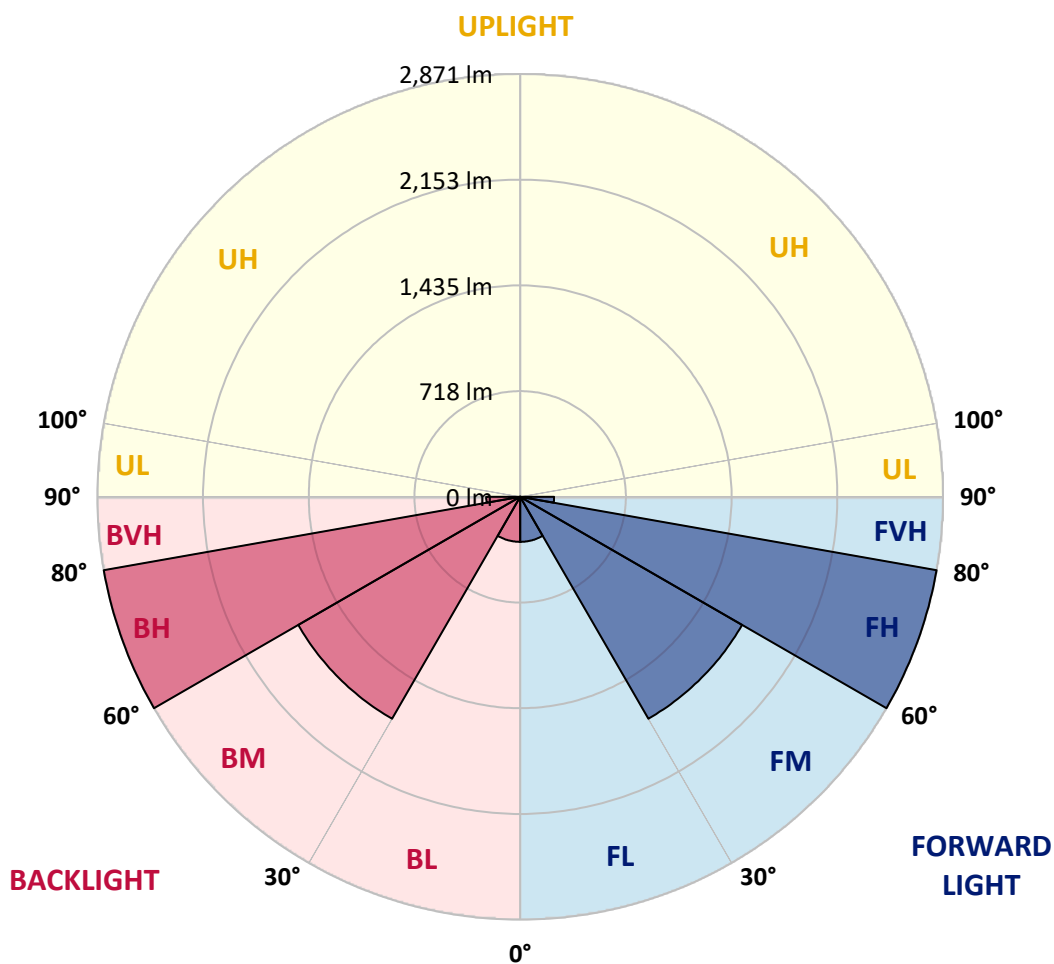
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	306.0	3.0			
FM	(30°-60°)	1739.6	16.9			
FH	(60°-80°)	2870.5	27.9			G2/5000
FVH	(80°-90°)	230.5	2.2			G3/500
BL	(0°-30°)	306.0	3.0	B1/500		
BM	(30°-60°)	1739.6	16.9	B2/2500		
BH	(60°-80°)	2870.5	27.9	B4/5000		G2/5000
BVH	(80°-90°)	230.5	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°	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3
2.5°	593.3	593.3	593.3	593.3	593.3	593.3	593.3	596.1	596.1	596.1	596.1
5°	598.9	598.9	596.1	596.1	596.1	598.9	598.9	598.9	598.9	601.7	601.7
7.5°	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7	604.5	604.5	604.5
10°	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8
12.5°	624.0	624.0	626.8	626.8	629.6	629.6	626.8	626.8	624.0	621.2	621.2
15°	643.5	643.5	646.3	649.1	654.6	654.6	651.8	649.1	643.5	640.7	640.7
17.5°	663.0	663.0	665.8	671.3	679.7	682.5	676.9	671.3	665.8	663.0	663.0
20°	690.8	693.6	696.4	702.0	715.9	721.5	713.1	702.0	699.2	699.2	699.2
22.5°	732.6	732.6	732.6	741.0	752.1	760.5	749.3	743.8	738.2	738.2	738.2
25°	777.2	777.2	777.2	780.0	796.7	805.1	793.9	785.6	782.8	785.6	785.6
27.5°	827.3	827.3	827.3	827.3	841.3	855.2	841.3	832.9	835.7	835.7	835.7
30°	880.3	880.3	883.1	883.1	888.6	905.3	891.4	888.6	891.4	894.2	894.2
32.5°	941.6	944.3	941.6	941.6	947.1	958.3	949.9	949.9	955.5	961.1	961.1
35°	1005.6	1005.6	1005.6	1005.6	1008.4	1019.6	1014.0	1014.0	1022.3	1030.7	1030.7
37.5°	1075.3	1078.1	1069.7	1066.9	1072.5	1078.1	1075.3	1080.8	1094.8	1105.9	1108.7
40°	1150.5	1150.5	1142.1	1133.8	1133.8	1136.6	1142.1	1153.3	1172.8	1186.7	1189.5
42.5°	1245.2	1253.6	1239.6	1228.5	1222.9	1228.5	1234.1	1253.6	1273.0	1284.2	1284.2
45°	1370.5	1373.3	1356.6	1337.1	1323.2	1317.6	1326.0	1345.5	1367.8	1390.0	1390.0
47.5°	1523.8	1518.2	1482.0	1423.5	1381.7	1370.5	1384.5	1429.0	1482.0	1515.4	1521.0
50°	1716.0	1710.4	1654.7	1568.3	1493.1	1476.4	1484.8	1551.6	1629.6	1679.8	1688.1
52.5°	1944.4	1930.5	1869.2	1755.0	1640.8	1601.8	1621.3	1710.4	1810.7	1874.8	1883.1
55°	2178.4	2170.0	2106.0	1977.8	1833.0	1760.5	1785.6	1905.4	2030.8	2097.6	2103.2
57.5°	2406.8	2409.6	2351.1	2234.1	2064.2	1958.3	1991.8	2133.8	2275.9	2342.7	2342.7
60°	2624.1	2621.3	2579.5	2487.6	2356.7	2234.1	2275.9	2392.9	2518.2	2579.5	2585.1
62.5°	2833.0	2830.2	2816.3	2757.8	2682.6	2593.5	2596.2	2674.2	2774.5	2819.1	2827.5
65°	3103.2	3097.7	3078.2	3041.9	3053.1	3047.5	2955.6	2975.1	3069.8	3119.9	3122.7
67.5°	3122.7	3156.2	3220.2	3328.9	3484.9	3507.2	3390.2	3214.7	3167.3	3139.4	3136.7
70°	2891.5	2963.9	3097.7	3326.1	3749.5	3938.9	3585.2	3170.1	3019.7	2950.0	2947.2
72.5°	2484.8	2635.2	2810.7	3175.7	3766.2	3888.8	3604.7	3005.7	2763.4	2649.2	2632.5
75°	1924.9	2069.8	2362.2	2863.7	3543.4	3665.9	3387.4	2696.5	2384.5	2273.1	2239.7
77.5°	1183.9	1356.6	1665.8	2239.7	2933.3	3058.7	2835.8	2150.5	1816.3	1640.8	1649.1
80°	576.6	746.6	1005.6	1512.6	2108.7	2292.6	1950.0	1387.3	1105.9	983.3	972.2
82.5°	250.7	339.9	484.7	757.7	1197.8	1281.4	991.7	685.3	546.0	487.5	481.9
85°	36.2	50.1	125.4	225.6	362.1	406.7	234.0	142.1	108.6	97.5	89.1
87.5°	25.1	25.1	25.1	27.9	33.4	36.2	30.6	27.9	25.1	25.1	25.1
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)