

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: P507654

Luminaire Tested: **VERD-S-CA1-60-750-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507654  
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-CA1-60-750-U-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 5000K, 1150mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9258 lumens  
Efficiency: N/A  
Efficacy: 146.3 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - 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

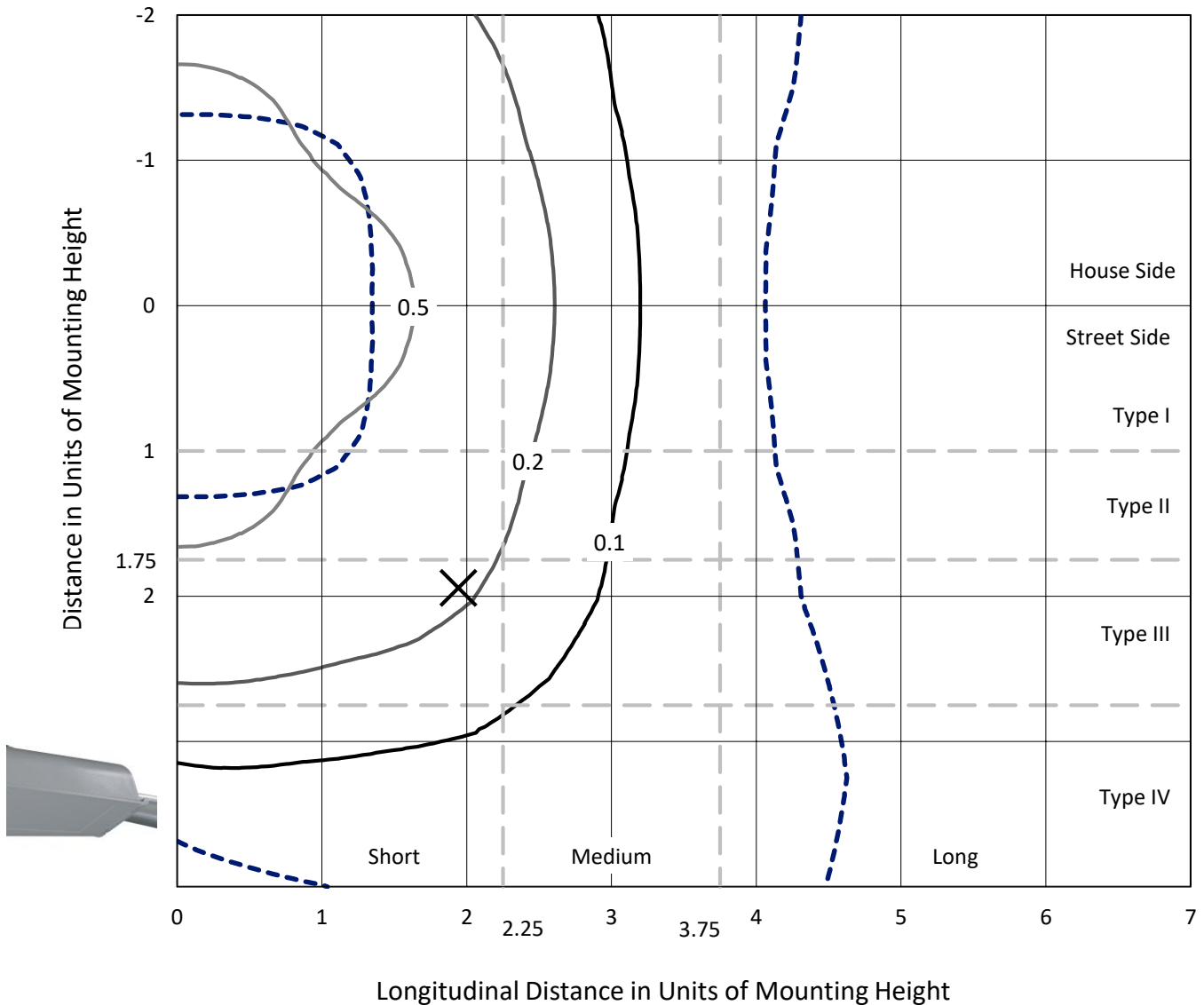


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### Iso-Footcandle Lines of Horizontal Illumination

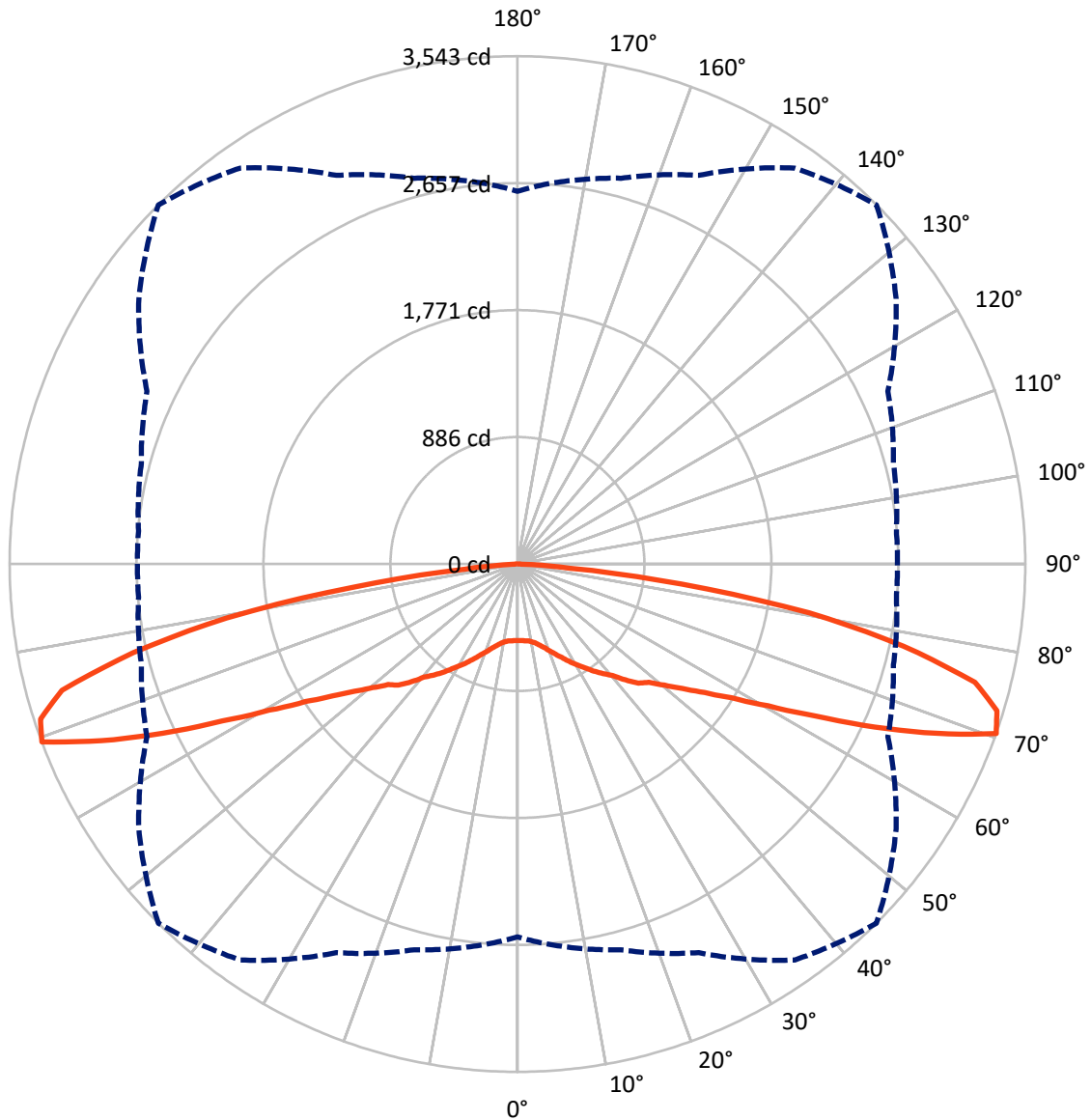
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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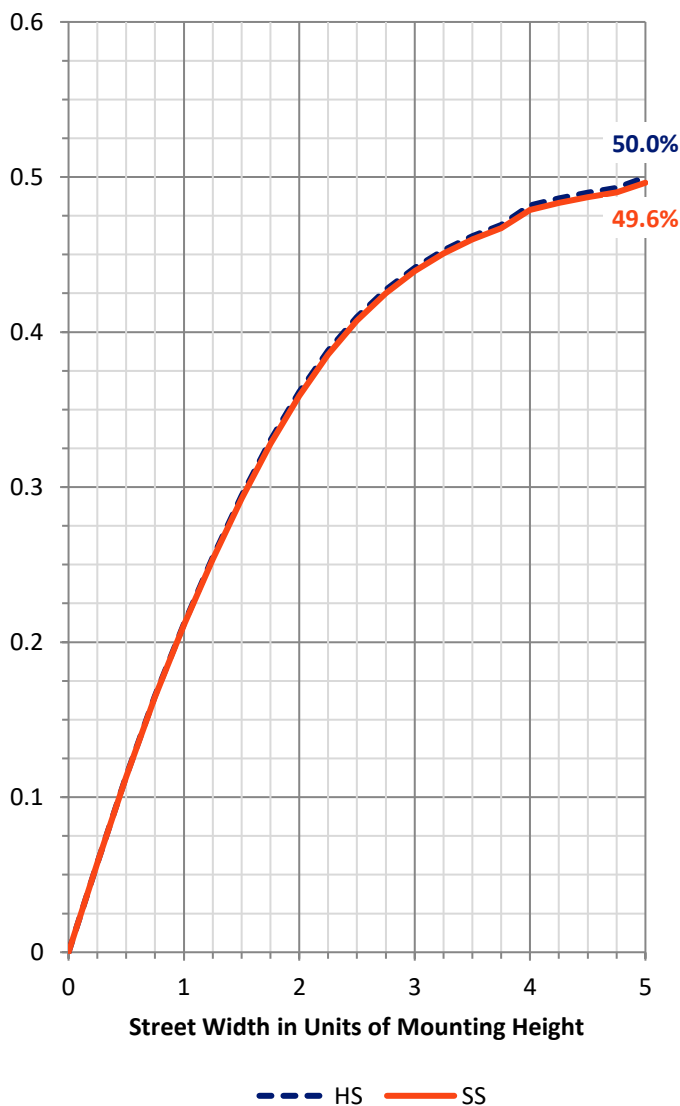
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4629.0	0.0	4629.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4629.0	0.0	4629.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9258.0	0.0	9258.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.7	0.6
10°-20°	167.2	1.8
20°-30°	331.5	3.6
30°-40°	576.9	6.2
40°-50°	945.2	10.2
50°-60°	1607.2	17.4
60°-70°	2671.6	28.9
70°-80°	2492.2	26.9
80°-90°	414.6	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°	9258.0	100.0
0°-180°	9258.0	100.0

**Coefficient of Utilization**



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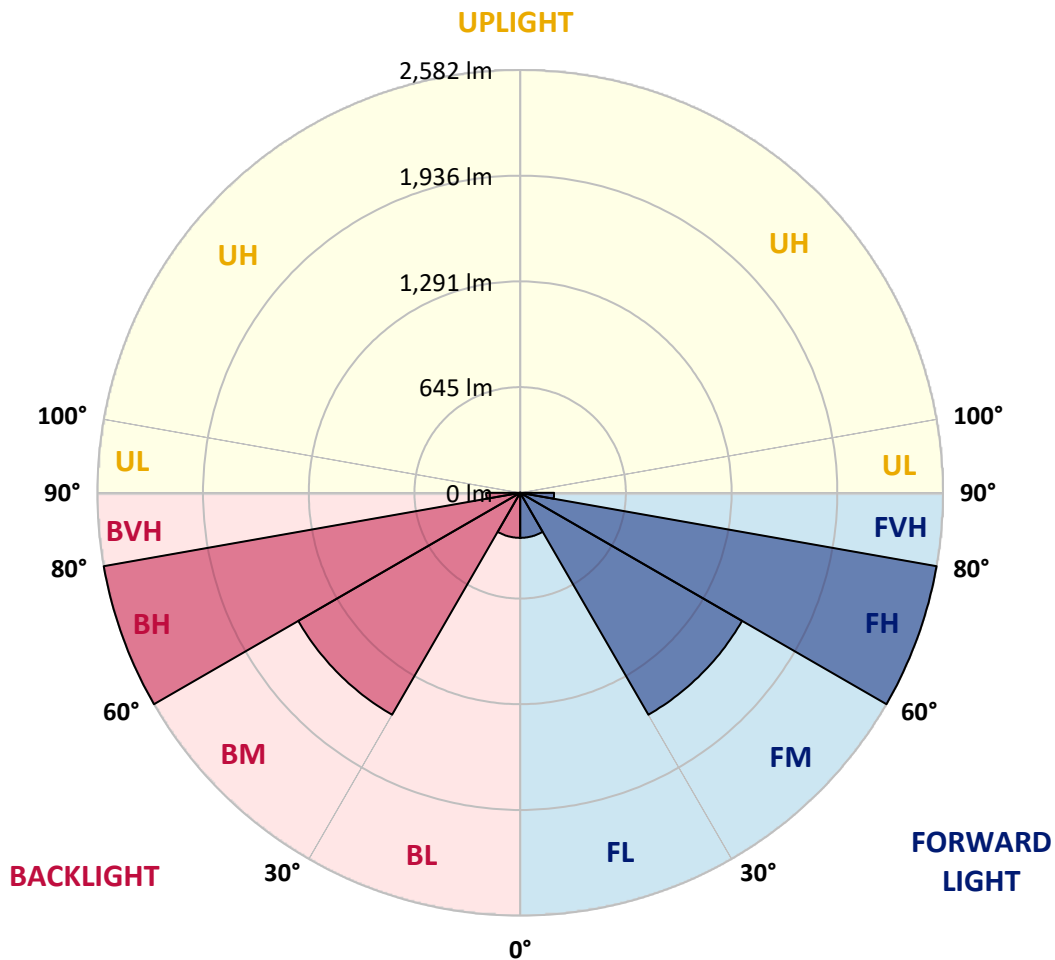
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.2	3.0			
FM (30°-60°)	1564.6	16.9			
FH (60°-80°)	2581.9	27.9			G2/5000
FVH (80°-90°)	207.3	2.2			G2/225
BL (0°-30°)	275.2	3.0	B1/500		
BM (30°-60°)	1564.6	16.9	B2/2500		
BH (60°-80°)	2581.9	27.9	B4/5000		G2/5000
BVH (80°-90°)	207.3	2.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7
2.5°	533.7	533.7	533.7	533.7	533.7	533.7	533.7	536.2	536.2	536.2	536.2
5°	538.7	538.7	536.2	536.2	536.2	538.7	538.7	538.7	538.7	541.2	541.2
7.5°	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	543.7	543.7	543.7
10°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
12.5°	561.2	561.2	563.8	563.8	566.3	566.3	563.8	563.8	561.2	558.7	558.7
15°	578.8	578.8	581.3	583.8	588.8	588.8	586.3	583.8	578.8	576.3	576.3
17.5°	596.3	596.3	598.8	603.8	611.4	613.9	608.9	603.8	598.8	596.3	596.3
20°	621.4	623.9	626.4	631.4	643.9	648.9	641.4	631.4	628.9	628.9	628.9
22.5°	659.0	659.0	659.0	666.5	676.5	684.0	674.0	669.0	664.0	664.0	664.0
25°	699.1	699.1	699.1	701.6	716.6	724.1	714.1	706.6	704.1	706.6	706.6
27.5°	744.2	744.2	744.2	744.2	756.7	769.2	756.7	749.2	751.7	751.7	751.7
30°	791.8	791.8	794.3	794.3	799.3	814.3	801.8	799.3	801.8	804.3	804.3
32.5°	846.9	849.4	846.9	846.9	851.9	861.9	854.4	854.4	859.4	864.4	864.4
35°	904.5	904.5	904.5	904.5	907.0	917.0	912.0	912.0	919.5	927.1	927.1
37.5°	967.1	969.7	962.1	959.6	964.6	969.7	967.1	972.2	984.7	994.7	997.2
40°	1034.8	1034.8	1027.3	1019.8	1019.8	1022.3	1027.3	1037.3	1054.8	1067.4	1069.9
42.5°	1120.0	1127.5	1115.0	1105.0	1099.9	1105.0	1110.0	1127.5	1145.0	1155.1	1155.1
45°	1232.7	1235.2	1220.2	1202.7	1190.1	1185.1	1192.6	1210.2	1230.2	1250.3	1250.3
47.5°	1370.5	1365.5	1333.0	1280.3	1242.8	1232.7	1245.3	1285.4	1333.0	1363.0	1368.0
50°	1543.4	1538.4	1488.3	1410.6	1343.0	1327.9	1335.5	1395.6	1465.8	1510.9	1518.4
52.5°	1748.9	1736.4	1681.2	1578.5	1475.8	1440.7	1458.2	1538.4	1628.6	1686.2	1693.8
55°	1959.3	1951.8	1894.2	1778.9	1648.7	1583.5	1606.1	1713.8	1826.6	1886.7	1891.7
57.5°	2164.8	2167.3	2114.7	2009.5	1856.6	1761.4	1791.5	1919.3	2047.0	2107.2	2107.2
60°	2360.2	2357.7	2320.1	2237.5	2119.7	2009.5	2047.0	2152.3	2265.0	2320.1	2325.2
62.5°	2548.2	2545.6	2533.1	2480.5	2412.9	2332.7	2335.2	2405.3	2495.5	2535.6	2543.1
65°	2791.2	2786.2	2768.6	2736.1	2746.1	2741.1	2658.4	2675.9	2761.1	2806.2	2808.7
67.5°	2808.7	2838.8	2896.4	2994.1	3134.5	3154.5	3049.3	2891.4	2848.8	2823.8	2821.3
70°	2600.8	2665.9	2786.2	2991.6	3372.5	3542.9	3224.7	2851.3	2716.0	2653.4	2650.9
72.5°	2235.0	2370.3	2528.1	2856.3	3387.5	3497.8	3242.2	2703.5	2485.5	2382.8	2367.8
75°	1731.3	1861.6	2124.7	2575.7	3187.1	3297.3	3046.8	2425.4	2144.8	2044.5	2014.5
77.5°	1064.9	1220.2	1498.3	2014.5	2638.4	2751.1	2550.7	1934.3	1633.6	1475.8	1483.3
80°	518.7	671.5	904.5	1360.5	1896.7	2062.1	1753.9	1247.8	994.7	884.5	874.4
82.5°	225.5	305.7	436.0	681.5	1077.4	1152.6	892.0	616.4	491.1	438.5	433.5
85°	32.6	45.1	112.8	203.0	325.7	365.8	210.5	127.8	97.7	87.7	80.2
87.5°	22.6	22.6	22.6	25.1	30.1	32.6	27.6	25.1	22.6	22.6	22.6
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)