

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: P507431

Luminaire Tested: **VERD-S-CA1-20-727-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507431  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-S-CA1-20-727-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2700K, 430mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3115 lumens  
Efficiency: N/A  
Efficacy: 133.1 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 23.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

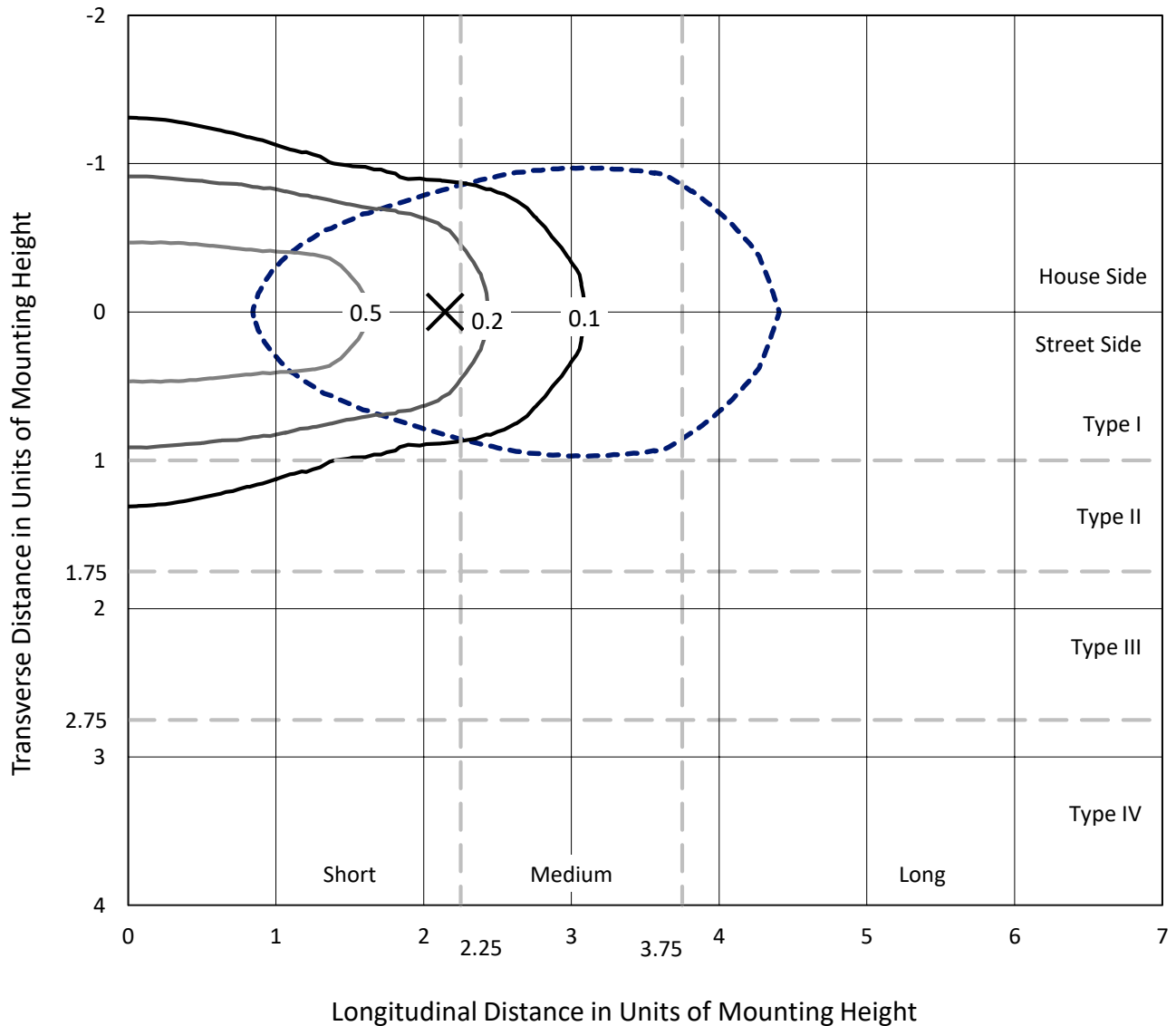


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### Iso-Footcandle Lines of Horizontal Illumination

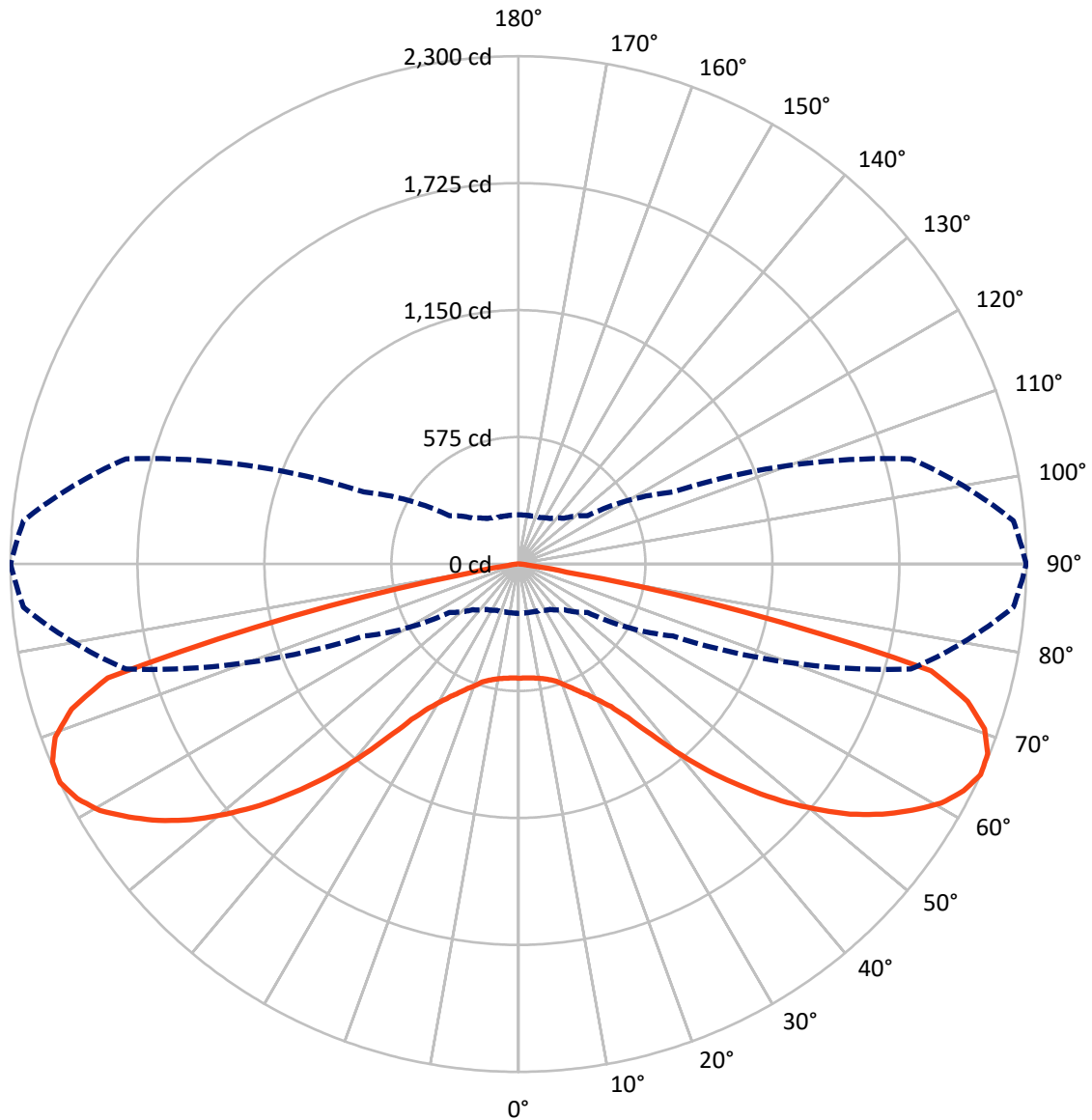
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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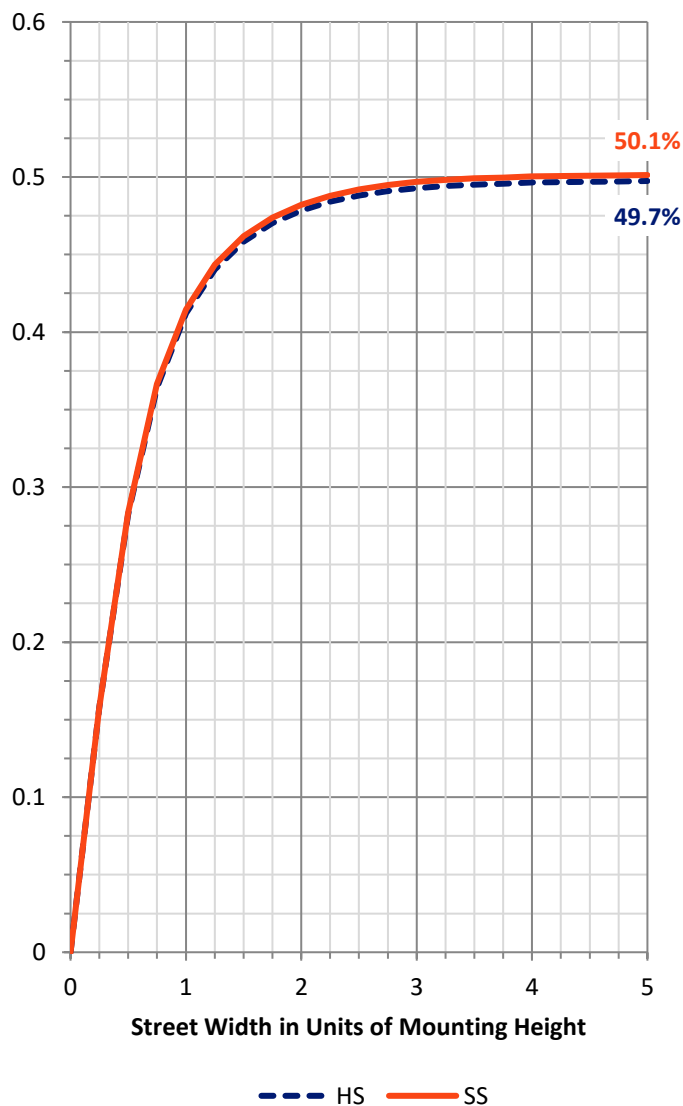
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1557.5	0.0	1557.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1557.5	0.0	1557.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3115.0	0.0	3115.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.5	1.6
10°-20°	147.7	4.7
20°-30°	244.7	7.9
30°-40°	354.1	11.4
40°-50°	512.6	16.5
50°-60°	667.2	21.4
60°-70°	704.7	22.6
70°-80°	414.8	13.3
80°-90°	19.6	0.6
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°	3115.0	100.0
0°-180°	3115.0	100.0

**Coefficient of Utilization**



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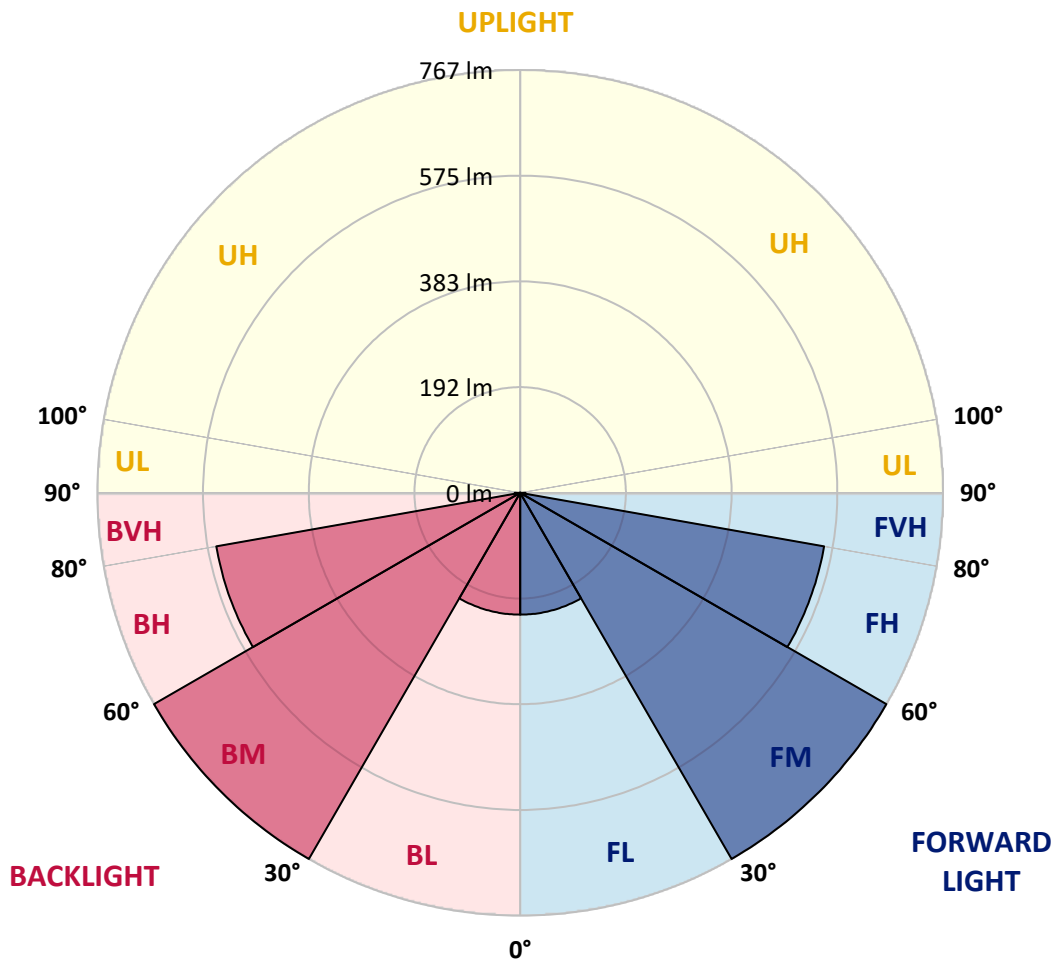
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.9	7.1			
FM (30°-60°)	767.0	24.6			
FH (60°-80°)	559.8	18.0			G0/660
FVH (80°-90°)	9.8	0.3			G0/10
BL (0°-30°)	220.9	7.1	B1/500		
BM (30°-60°)	767.0	24.6	B1/1000		
BH (60°-80°)	559.8	18.0	B2/1000		G2/1000
BVH (80°-90°)	9.8	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3
2.5°	519.0	519.0	519.9	519.0	519.0	519.0	519.0	518.2	517.3	516.5	516.5
5°	518.2	518.2	518.2	519.0	519.0	519.9	519.9	519.0	519.0	519.0	518.2
7.5°	514.8	515.6	515.6	516.5	517.3	519.0	519.9	520.7	521.5	521.5	521.5
10°	510.5	510.5	511.4	513.1	515.6	517.3	521.5	524.1	525.8	526.6	526.6
12.5°	503.8	503.8	505.5	508.8	513.9	519.0	524.1	529.2	532.6	534.2	534.2
15°	495.3	495.3	497.8	502.9	512.2	521.5	530.0	537.6	542.7	545.3	544.4
17.5°	482.6	482.6	486.0	495.3	509.7	524.9	539.3	548.6	556.3	558.8	558.8
20°	465.7	465.7	471.6	484.3	504.6	527.5	547.8	562.2	573.2	580.8	582.5
22.5°	444.5	444.5	453.8	471.6	496.1	525.8	553.7	578.3	597.7	606.2	607.1
25°	419.9	421.6	434.3	457.2	488.5	524.9	563.0	596.9	622.3	635.8	638.4
27.5°	397.1	398.8	414.9	443.7	480.9	525.8	571.5	617.2	653.6	669.7	672.3
30°	375.9	377.6	394.5	428.4	475.0	526.6	581.7	637.5	685.8	711.2	716.3
32.5°	357.3	359.0	375.9	412.3	466.5	527.5	594.4	664.6	727.3	765.4	769.6
35°	341.2	342.9	360.7	395.4	455.5	529.2	609.6	696.8	782.3	844.1	854.3
37.5°	327.7	329.4	344.6	379.3	442.8	529.2	625.7	734.1	854.3	961.8	980.4
40°	317.5	319.2	331.0	363.2	427.6	525.8	640.1	774.7	939.8	1109.1	1139.6
42.5°	308.2	310.7	320.9	348.8	411.5	519.0	655.3	815.3	1040.6	1262.4	1298.8
45°	298.9	301.4	312.4	337.8	394.5	508.8	664.6	855.1	1154.0	1418.2	1449.5
47.5°	292.9	292.9	302.3	326.0	378.5	491.1	667.2	892.4	1270.8	1567.2	1603.6
50°	287.0	287.0	294.6	315.0	361.5	468.2	657.9	927.9	1392.8	1708.6	1744.1
52.5°	279.4	278.6	286.2	304.8	345.4	439.4	635.8	951.7	1517.2	1842.3	1882.1
55°	270.1	270.1	276.0	292.9	330.2	410.6	596.1	962.7	1632.4	1958.3	2000.7
57.5°	259.9	259.1	265.0	278.6	313.3	382.7	542.7	955.0	1726.4	2068.4	2104.0
60°	250.6	249.8	254.0	265.9	293.8	355.6	488.5	913.6	1801.7	2159.0	2199.6
62.5°	238.8	238.8	242.1	251.5	275.2	325.1	434.3	849.2	1839.0	2220.0	2263.1
65°	223.5	222.7	225.2	232.0	251.5	292.9	381.8	772.2	1839.8	2250.4	2300.4
67.5°	195.6	202.4	204.9	209.1	225.2	259.9	331.9	703.6	1773.8	2244.5	2292.8
70°	158.3	180.3	180.3	182.9	194.7	222.7	285.3	646.0	1627.3	2187.8	2239.4
72.5°	110.1	129.5	145.6	151.6	161.7	181.2	240.5	576.6	1375.0	2058.2	2127.7
75°	40.6	38.1	55.0	92.3	102.4	119.4	176.1	475.0	1111.7	1811.9	1930.4
77.5°	11.9	12.7	17.8	47.4	54.2	58.4	95.7	237.1	514.8	927.1	1049.0
80°	10.2	10.2	12.7	15.2	17.8	28.8	31.3	88.1	169.3	221.8	222.7
82.5°	7.6	7.6	9.3	11.0	13.5	16.9	18.6	30.5	43.2	44.9	44.9
85°	5.1	5.1	5.9	6.8	8.5	10.2	11.0	12.7	16.1	27.1	28.8
87.5°	2.5	2.5	3.4	3.4	4.2	4.2	5.1	7.6	8.5	12.7	12.7
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)