

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: P510634

Luminaire Tested: **CST-CA10-760-760-U-T5R**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510634  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-151-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 4/6/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CST-CA10-760-760-U-T5R  
Description: CELESTEON HIGH MAST LUMINAIRE  
Light Source: (10) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 113639 lumens  
Efficiency: N/A  
Efficacy: 149.2 lumens/watt  
Luminous Opening: Circular (Dia: 2.08' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

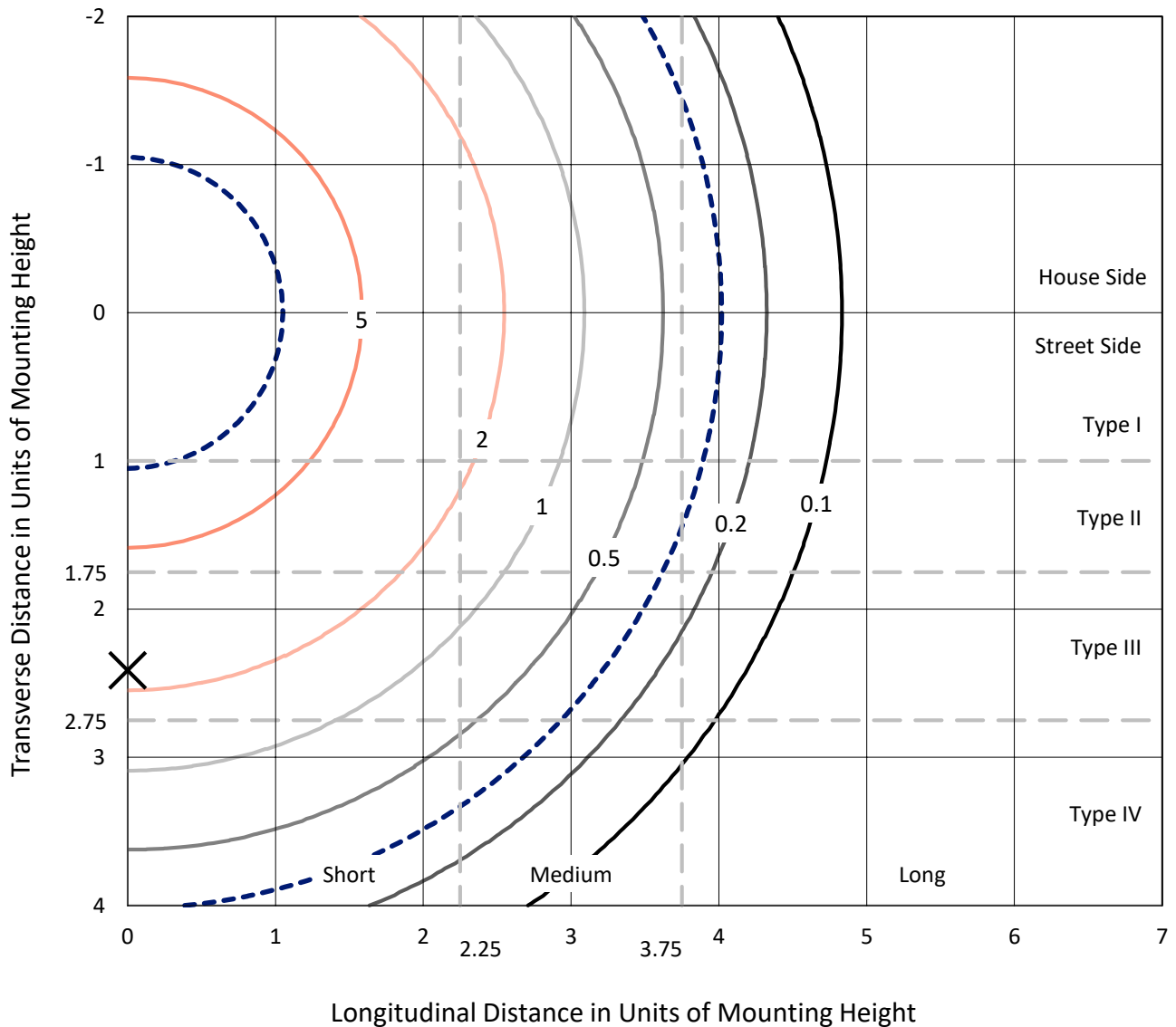
Input Watts (W): 761.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

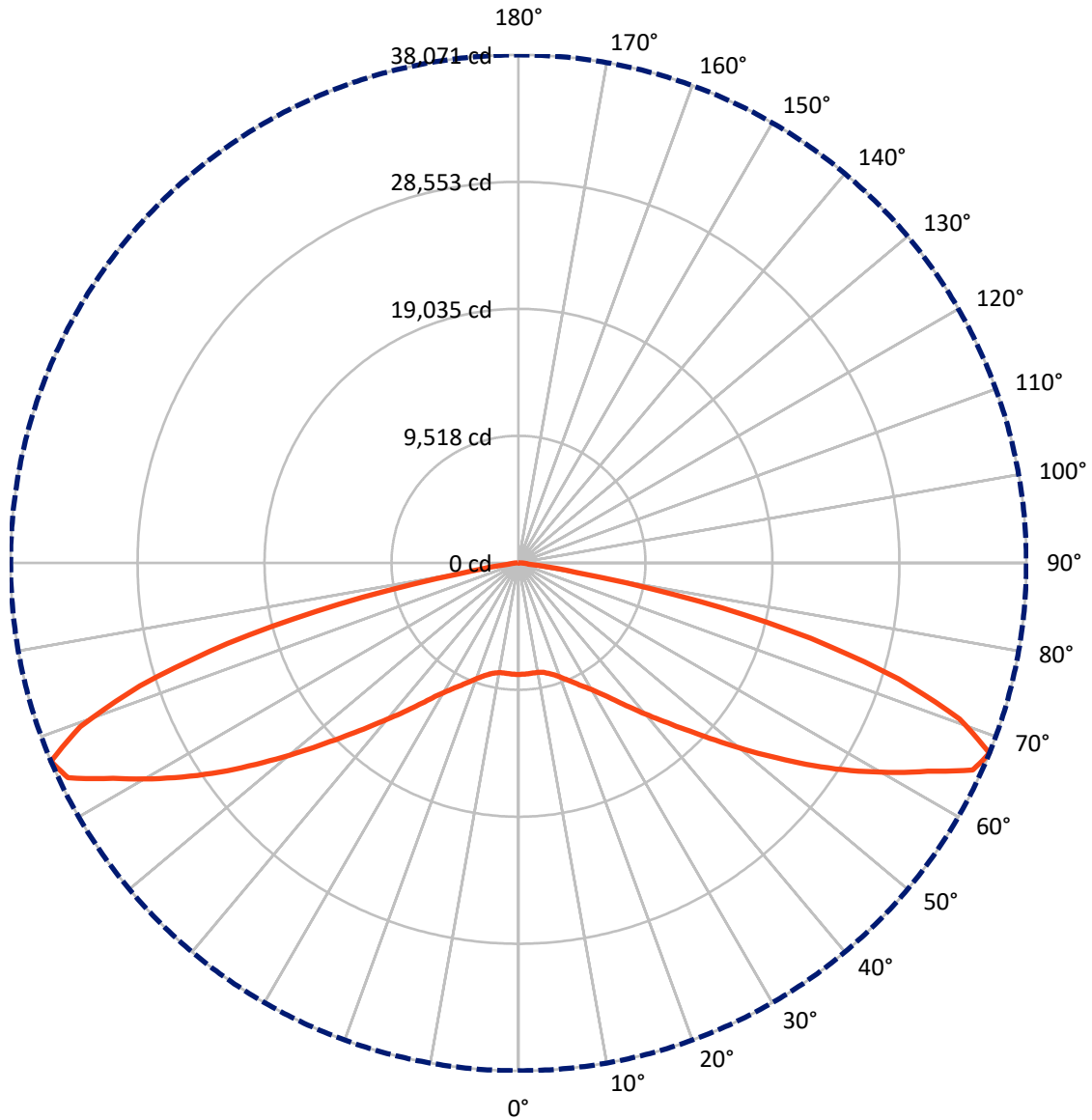
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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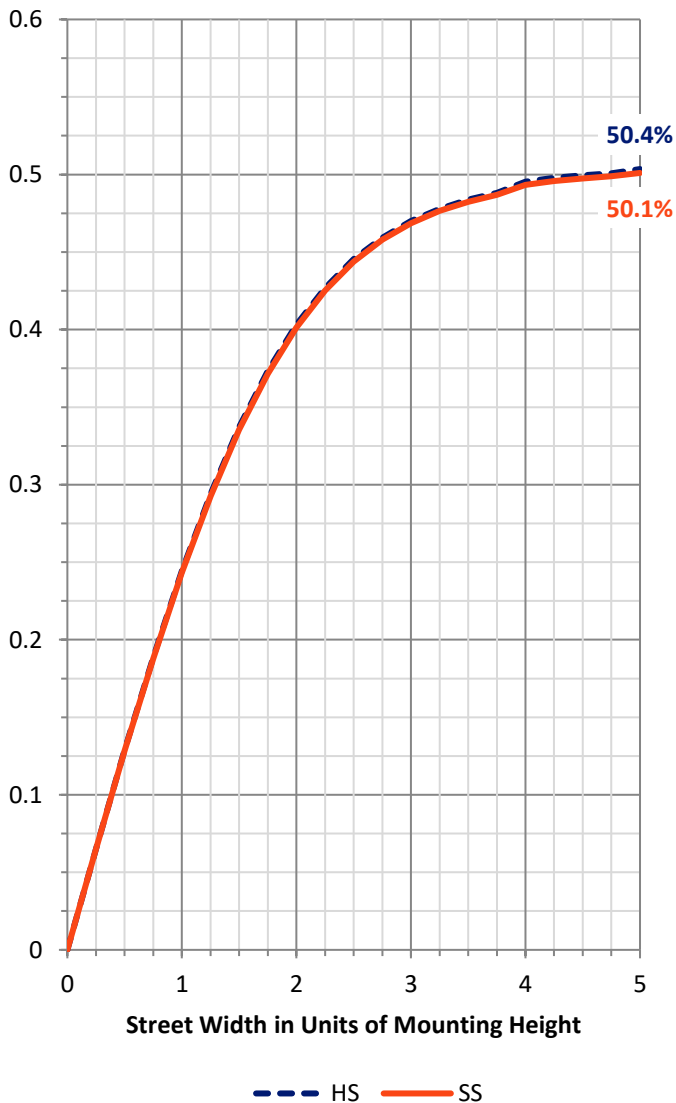
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	56819.5	0.0	56819.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	56819.5	0.0	56819.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	113639.0	0.0	113639.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	796.3	0.7
10°-20°	2467.6	2.2
20°-30°	4682.9	4.1
30°-40°	8133.6	7.2
40°-50°	14157.1	12.5
50°-60°	24185.9	21.3
60°-70°	35618.6	31.3
70°-80°	22642.1	19.9
80°-90°	955.0	0.8
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°	113639.0	100.0
0°-180°	113639.0	100.0



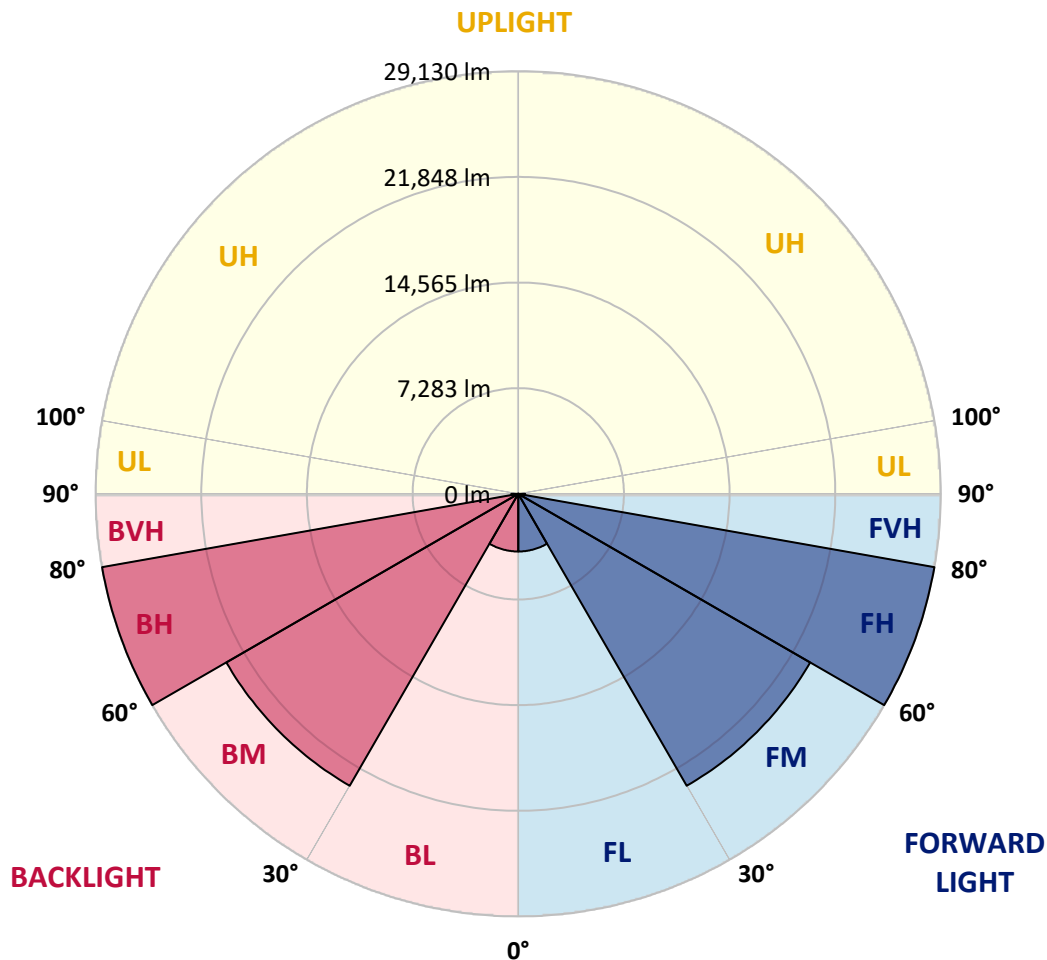
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3973.4	3.5			
FM (30°-60°)	23238.3	20.4			
FH (60°-80°)	29130.3	25.6			G5
FVH (80°-90°)	477.5	0.4			G3/500
BL (0°-30°)	3973.4	3.5	B4/5000		
BM (30°-60°)	23238.3	20.4	B5		
BH (60°-80°)	29130.3	25.6	B5		G5
BVH (80°-90°)	477.5	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8358.8
2.5°	8361.0
5°	8344.4
7.5°	8330.6
10°	8344.6
12.5°	8434.3
15°	8607.2
17.5°	8849.1
20°	9177.6
22.5°	9565.5
25°	10022.5
27.5°	10517.8
30°	11100.2
32.5°	11816.0
35°	12755.9
37.5°	13837.7
40°	15040.1
42.5°	16391.3
45°	17994.8
47.5°	19844.3
50°	21986.3
52.5°	24299.9
55°	26838.1
57.5°	29372.9
60°	31893.5
62.5°	34421.6
65°	37431.4
67.5°	38070.6
70°	35074.2
72.5°	29832.3
75°	22649.6
77.5°	13847.2
80°	4395.1
82.5°	746.1
85°	421.5
87.5°	152.6
90°	0.0

(END OF REPORT)