

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: P510424

Luminaire Tested: **CST-CA10-210-730-U-T5R**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510424  
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-CA10-210-730-U-T5R  
Description: CELESTEON HIGH MAST LUMINAIRE  
Light Source: (10) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36676.1 lumens  
Efficiency: N/A  
Efficacy: 172.3 lumens/watt  
Luminous Opening: Circular (Dia: 2.08' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

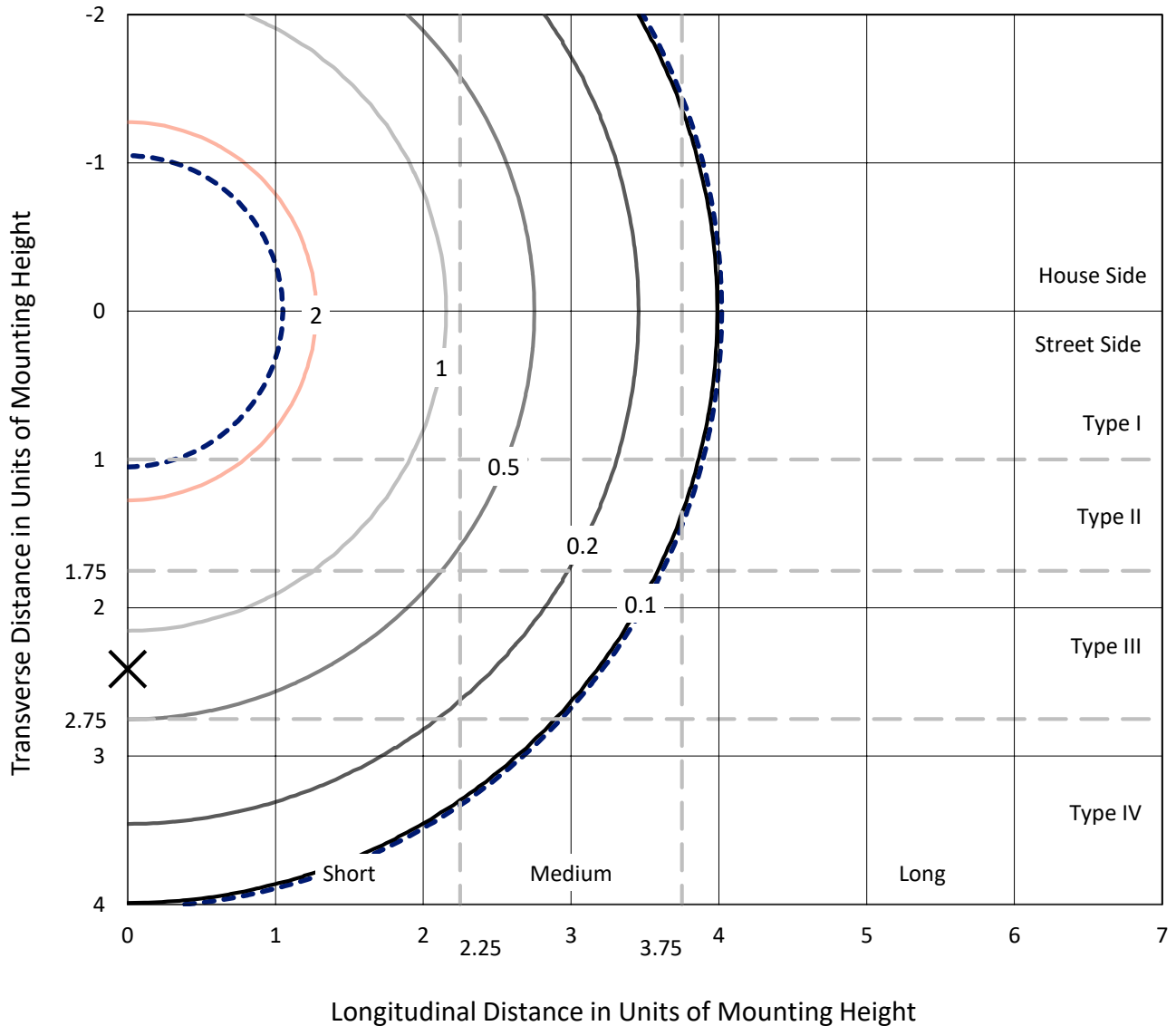
Input Watts (W): 212.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

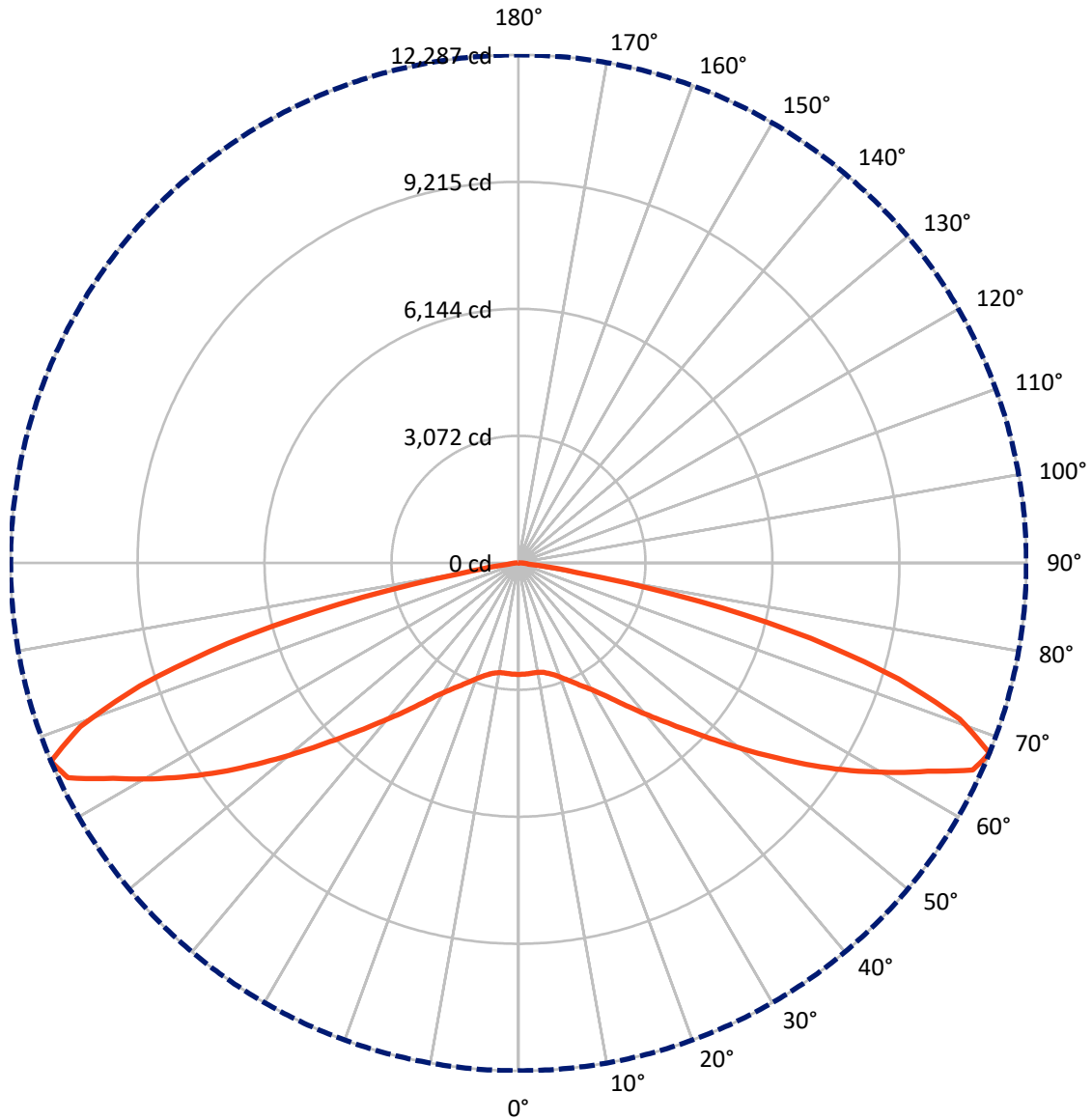
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 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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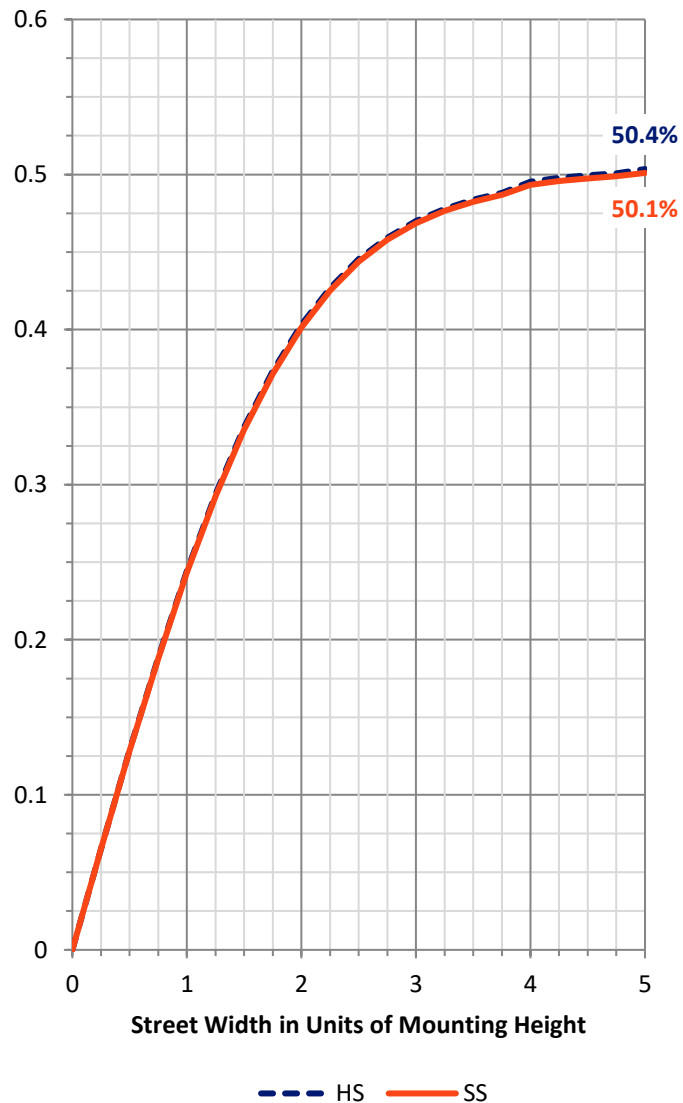
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18338.0	0.0	18338.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18338.0	0.0	18338.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36676.1	0.0	36676.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.0	0.7
10°-20°	796.4	2.2
20°-30°	1511.4	4.1
30°-40°	2625.0	7.2
40°-50°	4569.1	12.5
50°-60°	7805.8	21.3
60°-70°	11495.6	31.3
70°-80°	7307.5	19.9
80°-90°	308.3	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°	36676.1	100.0
0°-180°	36676.1	100.0

**Coefficient of Utilization**



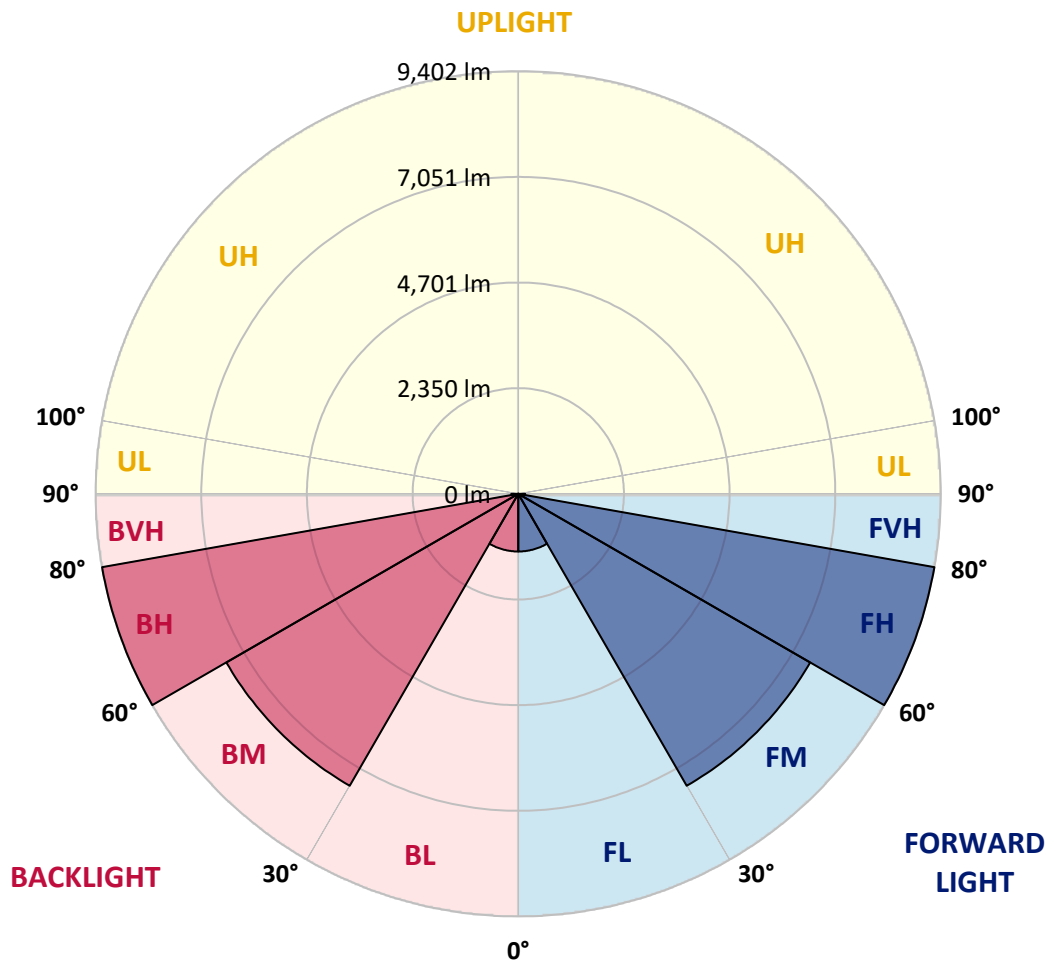
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1282.4	3.5			
FM (30°-60°)	7499.9	20.4			
FH (60°-80°)	9401.6	25.6			G4/12000
FVH (80°-90°)	154.1	0.4			G2/225
BL (0°-30°)	1282.4	3.5	B3/2500		
BM (30°-60°)	7499.9	20.4	B4/8500		
BH (60°-80°)	9401.6	25.6	B5		G4/12000
BVH (80°-90°)	154.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2697.7
2.5°	2698.4
5°	2693.1
7.5°	2688.6
10°	2693.1
12.5°	2722.1
15°	2777.9
17.5°	2856.0
20°	2962.0
22.5°	3087.2
25°	3234.7
27.5°	3394.5
30°	3582.5
32.5°	3813.5
35°	4116.8
37.5°	4466.0
40°	4854.0
42.5°	5290.1
45°	5807.7
47.5°	6404.6
50°	7095.9
52.5°	7842.6
55°	8661.8
57.5°	9479.8
60°	10293.3
62.5°	11109.3
65°	12080.7
67.5°	12287.0
70°	11319.9
72.5°	9628.1
75°	7310.0
77.5°	4469.1
80°	1418.5
82.5°	240.8
85°	136.1
87.5°	49.3
90°	0.0

(END OF REPORT)