

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: P510624

Luminaire Tested: **CST-CA10-760-750-U-T5R**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510624  
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-CA10-760-750-U-T5R  
Description: CELESTEON HIGH MAST LUMINAIRE  
Light Source: (10) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 116100 lumens  
Efficiency: N/A  
Efficacy: 152.4 lumens/watt  
Luminous Opening: Circular (Dia: 2.08' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

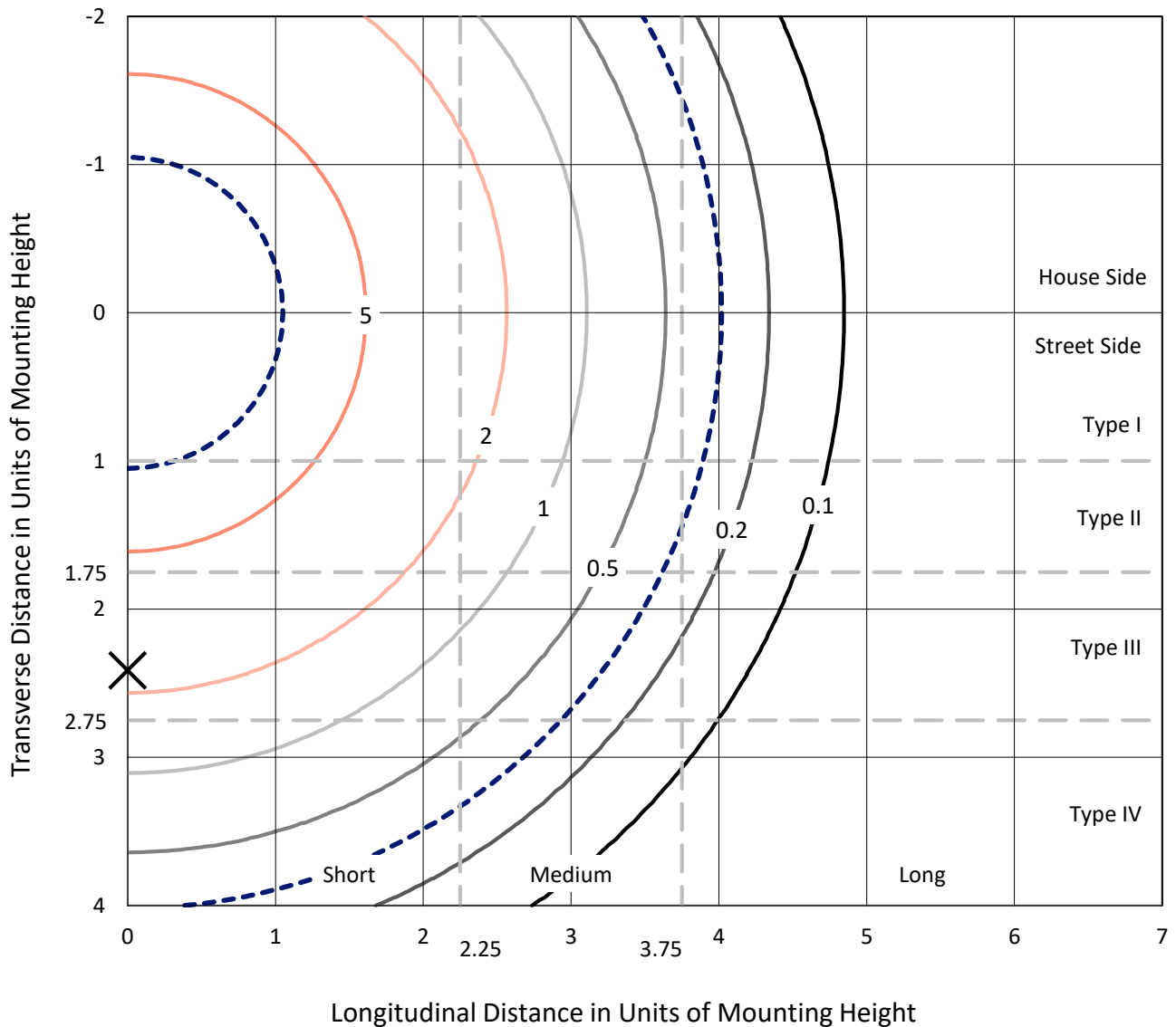
Input Watts (W): 761.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

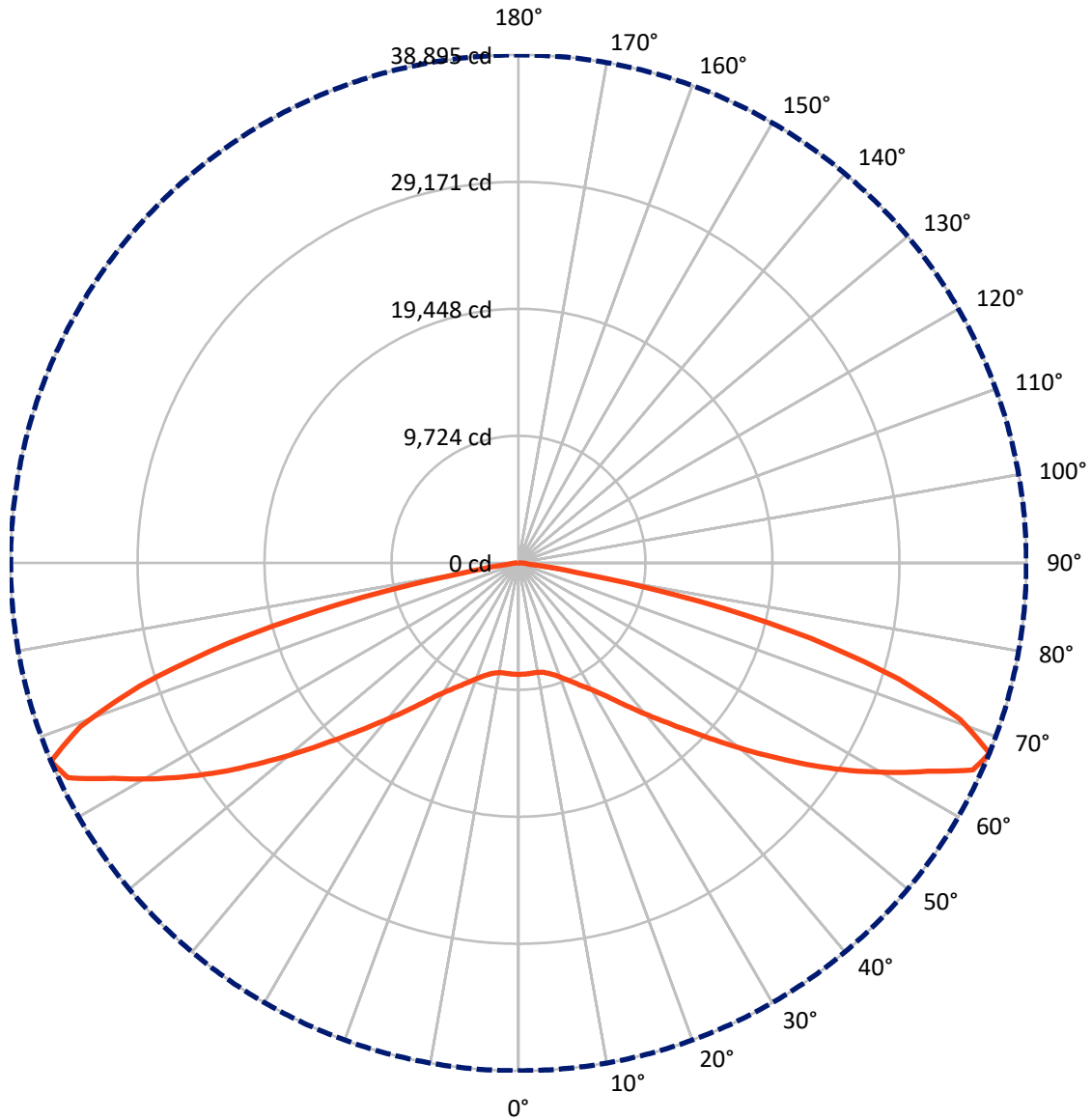
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.5 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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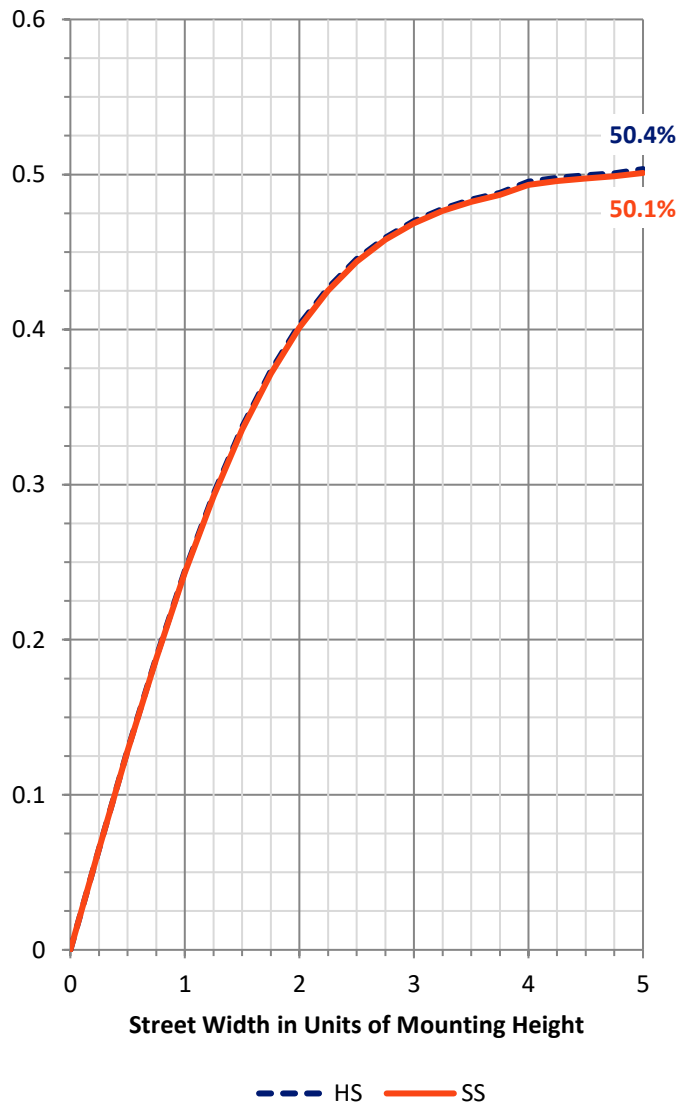
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	58050.0	0.0	58050.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	58050.0	0.0	58050.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	116100.0	0.0	116100.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	813.5	0.7
10°-20°	2521.1	2.2
20°-30°	4784.3	4.1
30°-40°	8309.7	7.2
40°-50°	14463.7	12.5
50°-60°	24709.7	21.3
60°-70°	36389.9	31.3
70°-80°	23132.4	19.9
80°-90°	975.7	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°	116100.0	100.0
0°-180°	116100.0	100.0

**Coefficient of Utilization**

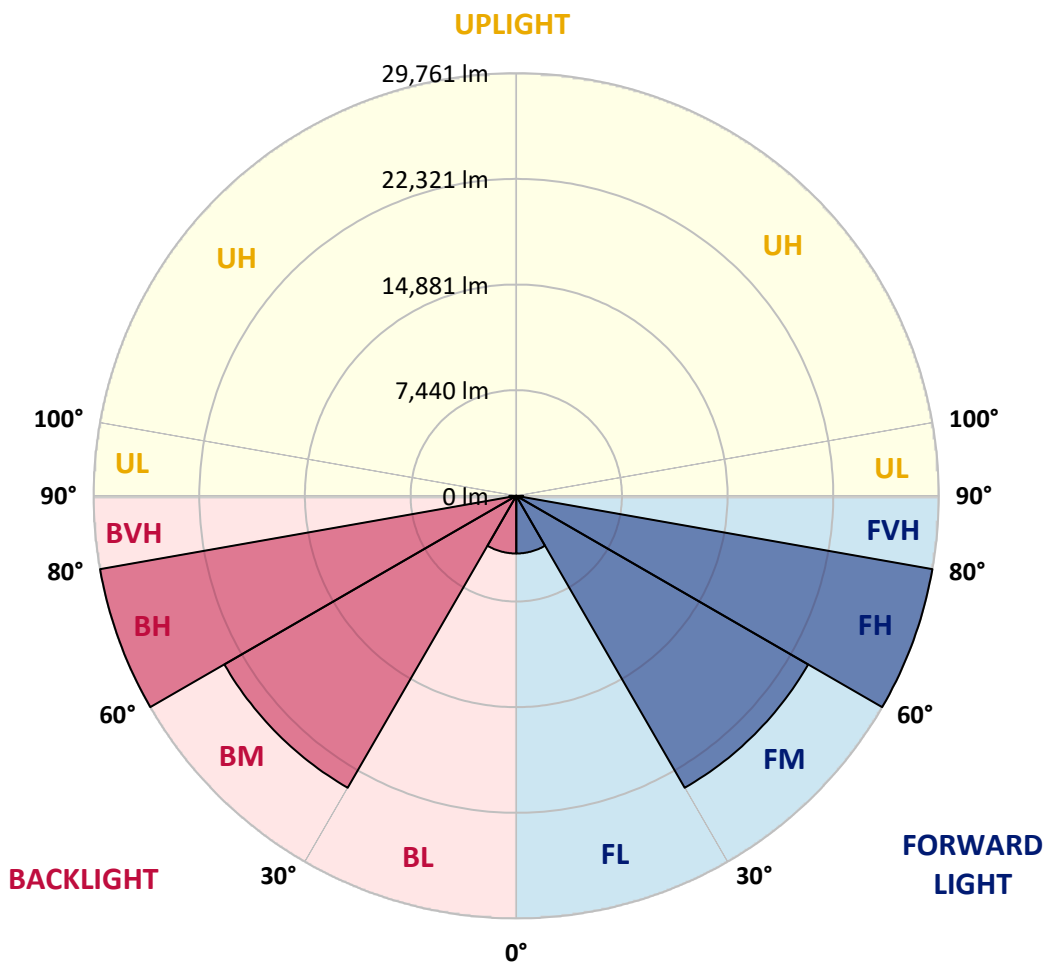


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4059.5	3.5			
FM (30°-60°)	23741.5	20.4			
FH (60°-80°)	29761.2	25.6			G5
FVH (80°-90°)	487.8	0.4			G3/500
BL (0°-30°)	4059.5	3.5	B4/5000		
BM (30°-60°)	23741.5	20.4	B5		
BH (60°-80°)	29761.2	25.6	B5		G5
BVH (80°-90°)	487.8	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°	8539.8
2.5°	8542.0
5°	8525.1
7.5°	8511.0
10°	8525.3
12.5°	8617.0
15°	8793.6
17.5°	9040.8
20°	9376.4
22.5°	9772.6
25°	10239.6
27.5°	10745.6
30°	11340.6
32.5°	12071.8
35°	13032.1
37.5°	14137.4
40°	15365.8
42.5°	16746.2
45°	18384.5
47.5°	20274.0
50°	22462.5
52.5°	24826.2
55°	27419.3
57.5°	30009.0
60°	32584.2
62.5°	35167.0
65°	38242.0
67.5°	38895.1
70°	35833.8
72.5°	30478.3
75°	23140.1
77.5°	14147.1
80°	4490.3
82.5°	762.2
85°	430.7
87.5°	155.9
90°	0.0

(END OF REPORT)