

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: McGRAW-EDISON

Report Number: P510584

Luminaire Tested: **CTN-CA10-760-722-U-T5R**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510584  
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: McGRAW-EDISON  
Catalog Number: CTN-CA10-760-722-U-T5R  
Description: CELESTEON HIGH MAST LUMINAIRE  
Light Source: (10) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 92917 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Luminous Opening: Circular (Dia: 2.08' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

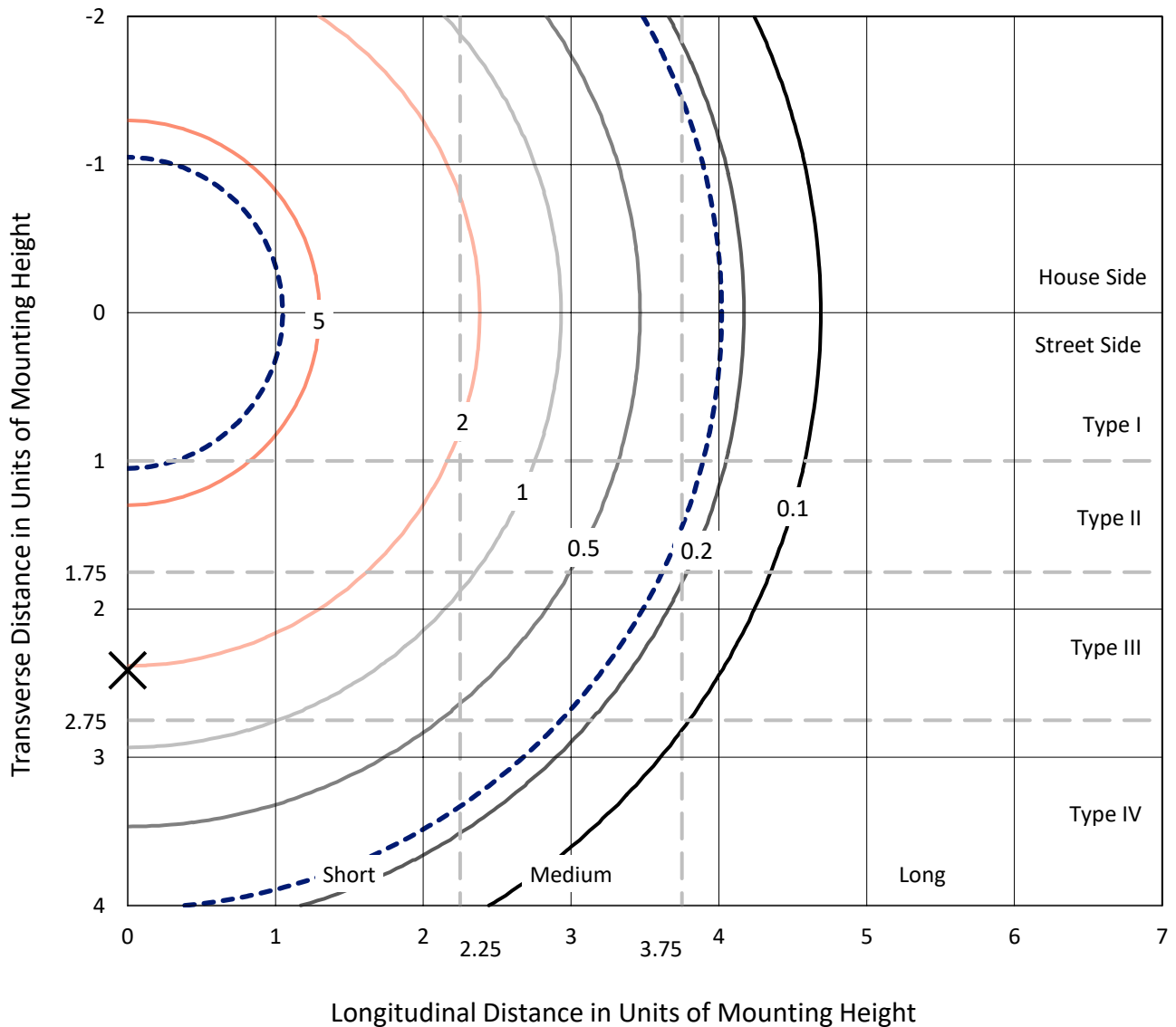
Input Watts (W): 761.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

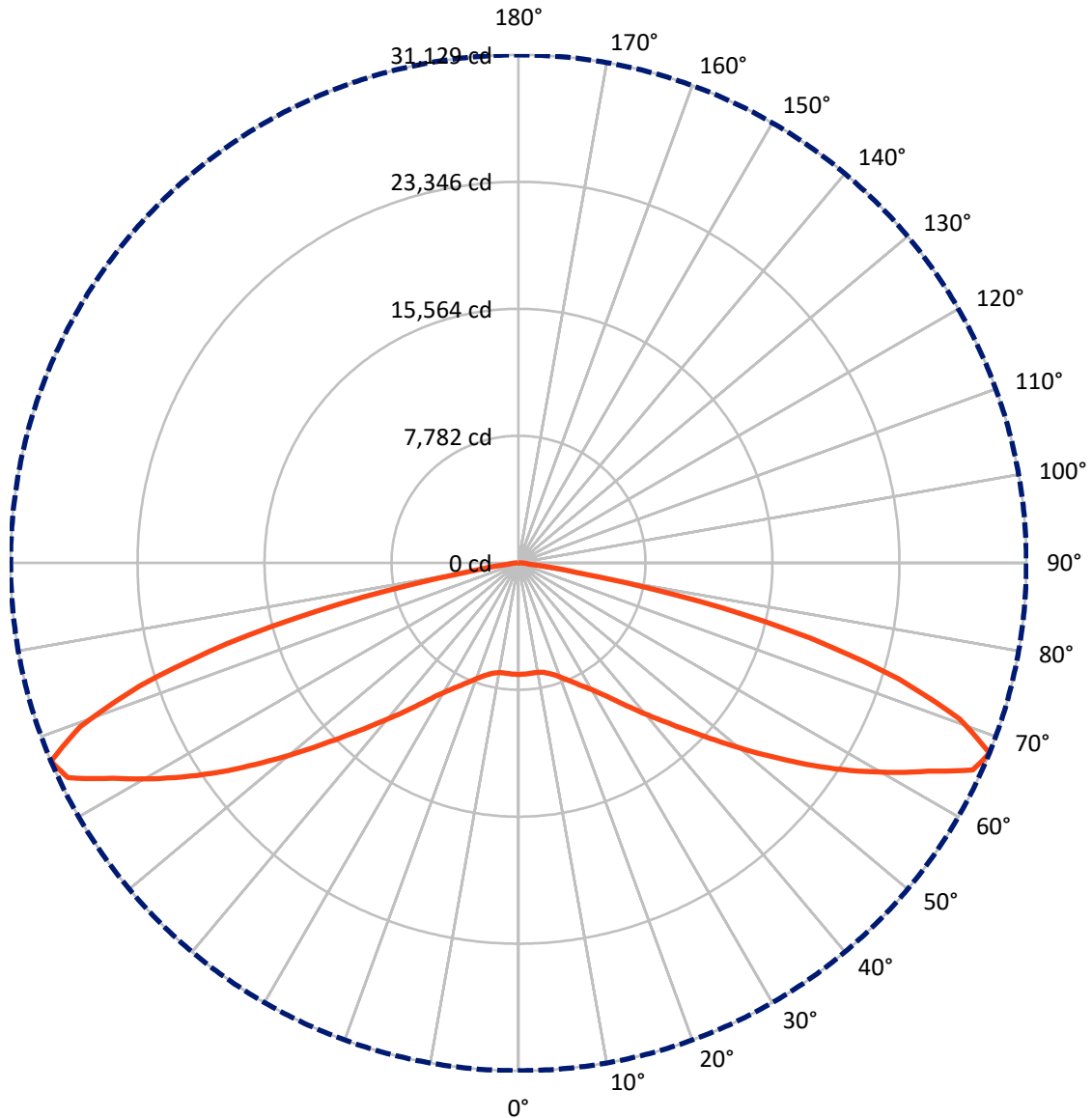
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.6 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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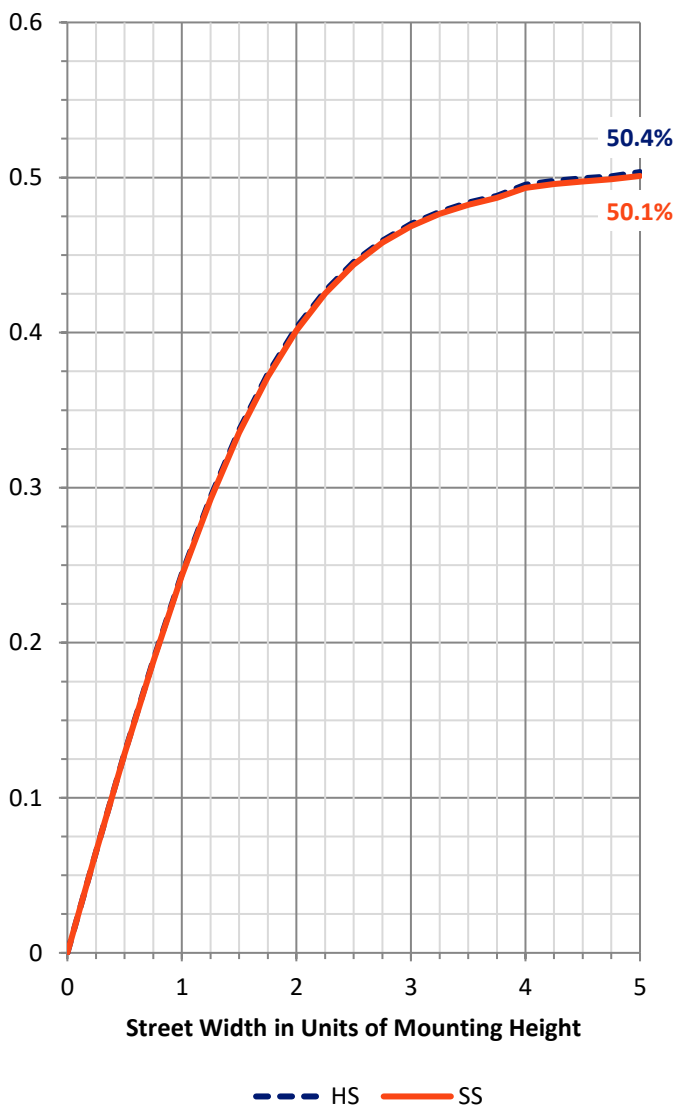
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	46458.5	0.0	46458.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	46458.5	0.0	46458.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	92917.0	0.0	92917.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	651.1	0.7
10°-20°	2017.7	2.2
20°-30°	3829.0	4.1
30°-40°	6650.4	7.2
40°-50°	11575.6	12.5
50°-60°	19775.6	21.3
60°-70°	29123.6	31.3
70°-80°	18513.3	19.9
80°-90°	780.9	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°	92917.0	100.0
0°-180°	92917.0	100.0

**Coefficient of Utilization**

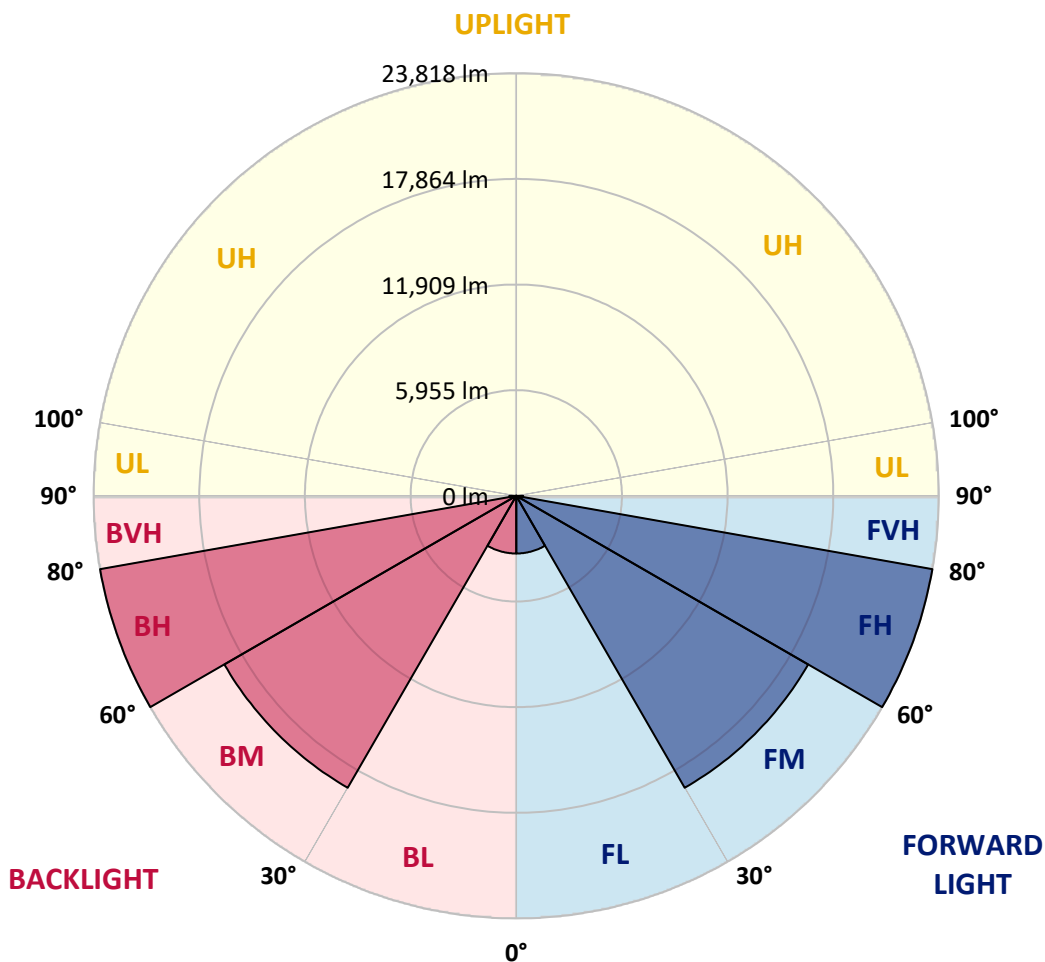


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3248.9	3.5			
FM (30°-60°)	19000.8	20.4			
FH (60°-80°)	23818.4	25.6			G5
FVH (80°-90°)	390.4	0.4			G3/500
BL (0°-30°)	3248.9	3.5	B4/5000		
BM (30°-60°)	19000.8	20.4	B5		
BH (60°-80°)	23818.4	25.6	B5		G5
BVH (80°-90°)	390.4	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°	6834.6
2.5°	6836.3
5°	6822.8
7.5°	6811.5
10°	6823.0
12.5°	6896.3
15°	7037.7
17.5°	7235.5
20°	7504.1
22.5°	7821.2
25°	8194.9
27.5°	8599.9
30°	9076.1
32.5°	9661.3
35°	10429.8
37.5°	11314.4
40°	12297.5
42.5°	13402.3
45°	14713.5
47.5°	16225.7
50°	17977.1
52.5°	19868.8
55°	21944.2
57.5°	24016.8
60°	26077.7
62.5°	28144.8
65°	30605.8
67.5°	31128.5
70°	28678.5
72.5°	24392.4
75°	18519.5
77.5°	11322.2
80°	3593.7
82.5°	610.0
85°	344.7
87.5°	124.8
90°	0.0

(END OF REPORT)