

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: P510574

Luminaire Tested: **CST-CA10-630-760-U-T5R**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510574  
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-CA10-630-760-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: 98427.1 lumens  
Efficiency: N/A  
Efficacy: 155.9 lumens/watt  
Luminous Opening: Circular (Dia: 2.08' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

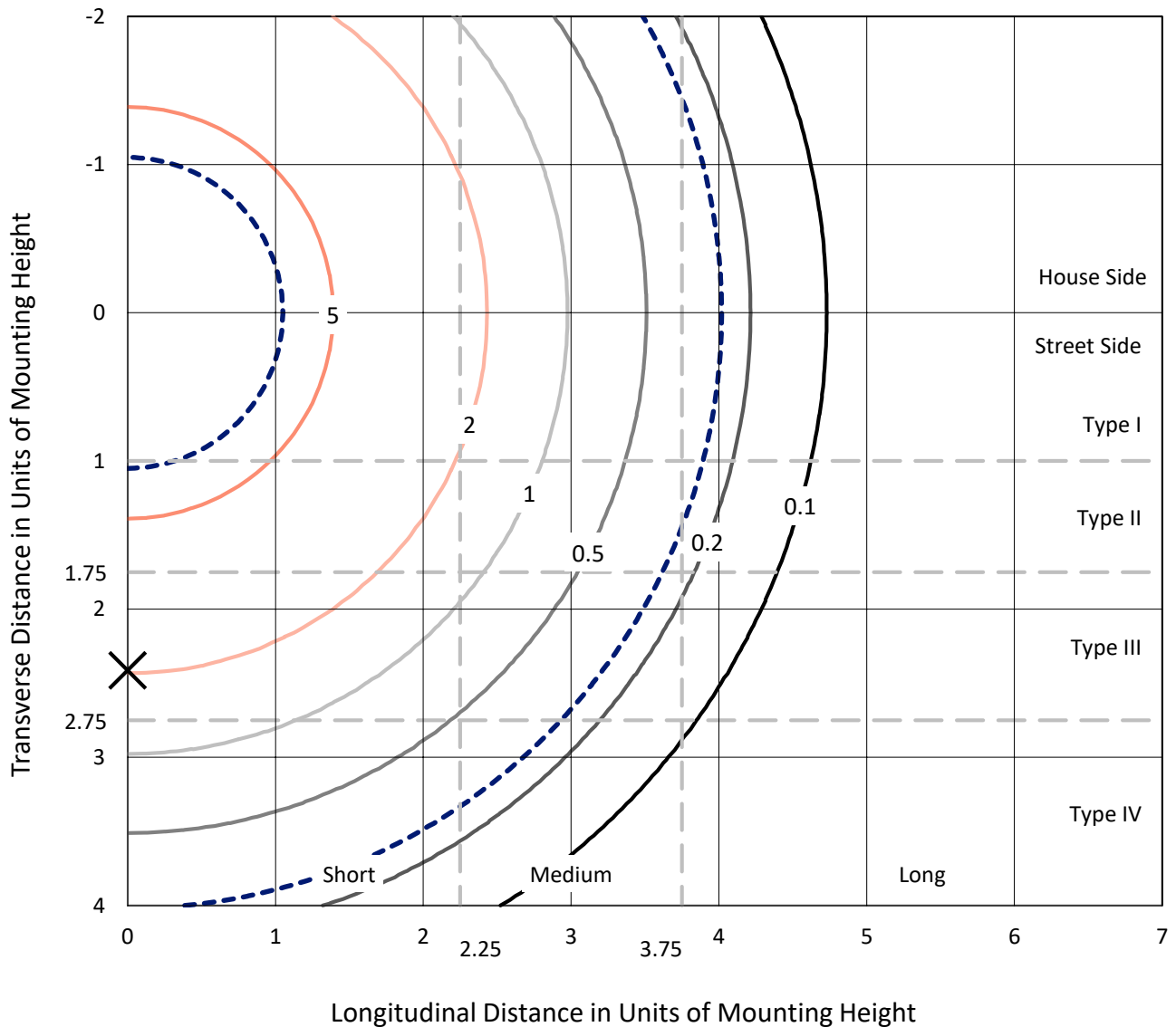
Input Watts (W): 631.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P510574  
 CATALOG NUMBER: CST-CA10-630-760-U-T5R

### Iso-Footcandle Lines of Horizontal Illumination

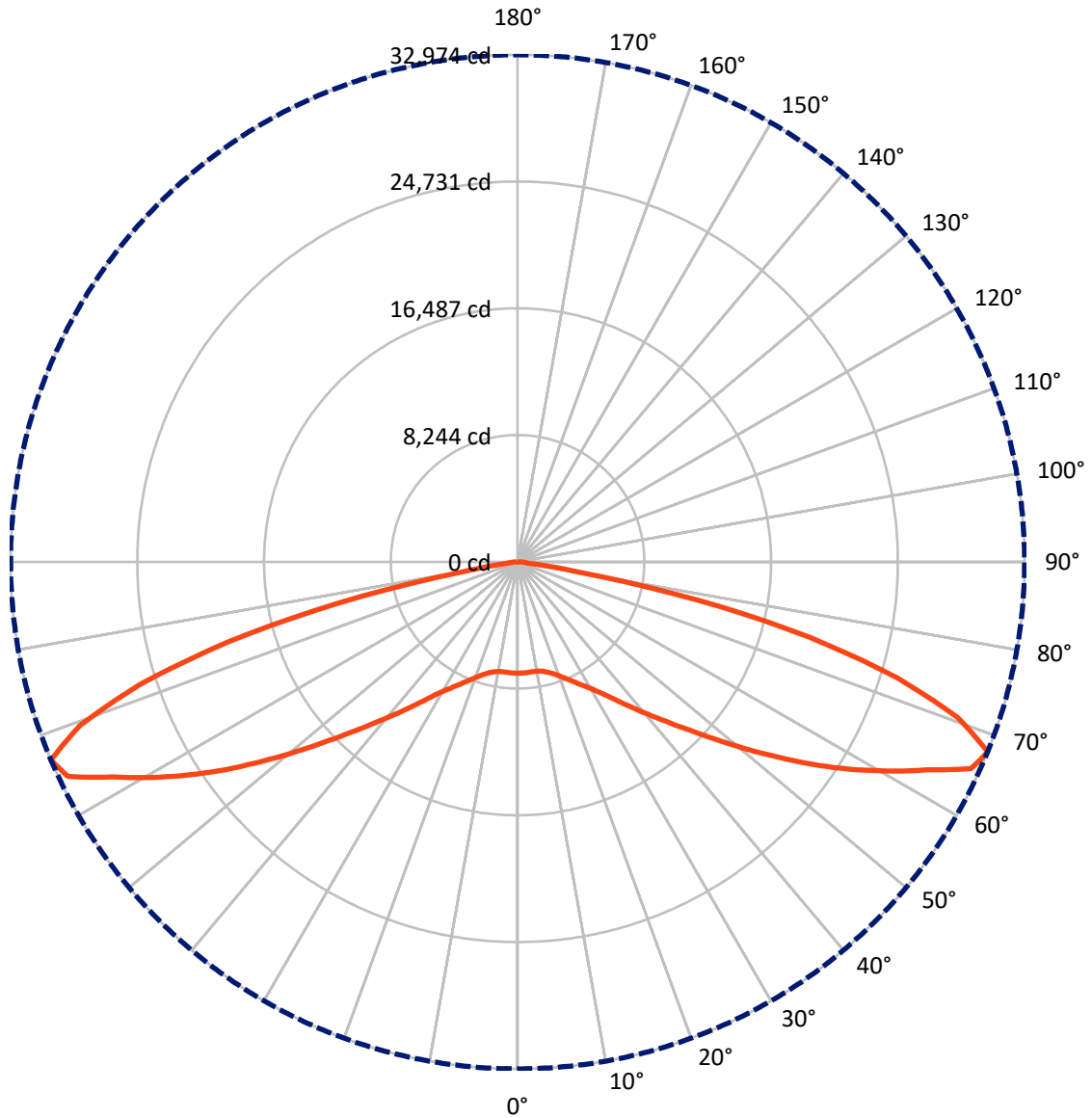
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8 fc  
 Type V - Short - N/A

REPORT NUMBER: P510574  
CATALOG NUMBER: CST-CA10-630-760-U-T5R

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P510574  
 CATALOG NUMBER: CST-CA10-630-760-U-T5R

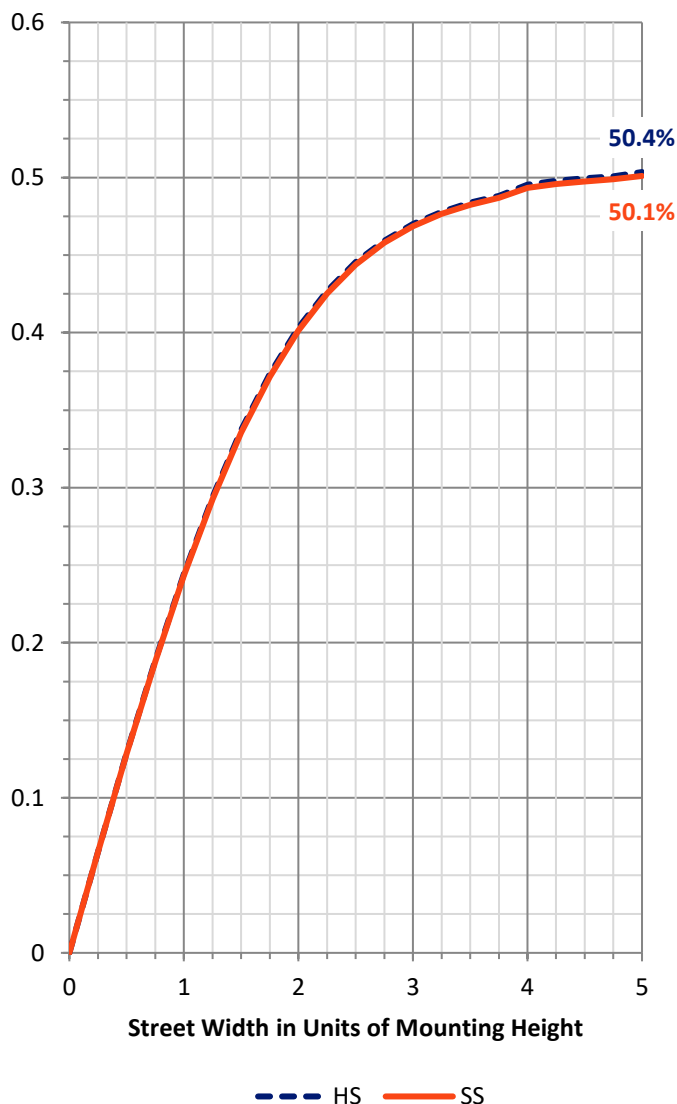
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	49213.5	0.0	49213.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	49213.5	0.0	49213.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	98427.1	0.0	98427.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	689.7	0.7
10°-20°	2137.3	2.2
20°-30°	4056.0	4.1
30°-40°	7044.8	7.2
40°-50°	12262.0	12.5
50°-60°	20948.3	21.3
60°-70°	30850.6	31.3
70°-80°	19611.2	19.9
80°-90°	827.2	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°	98427.1	100.0
0°-180°	98427.1	100.0

**Coefficient of Utilization**

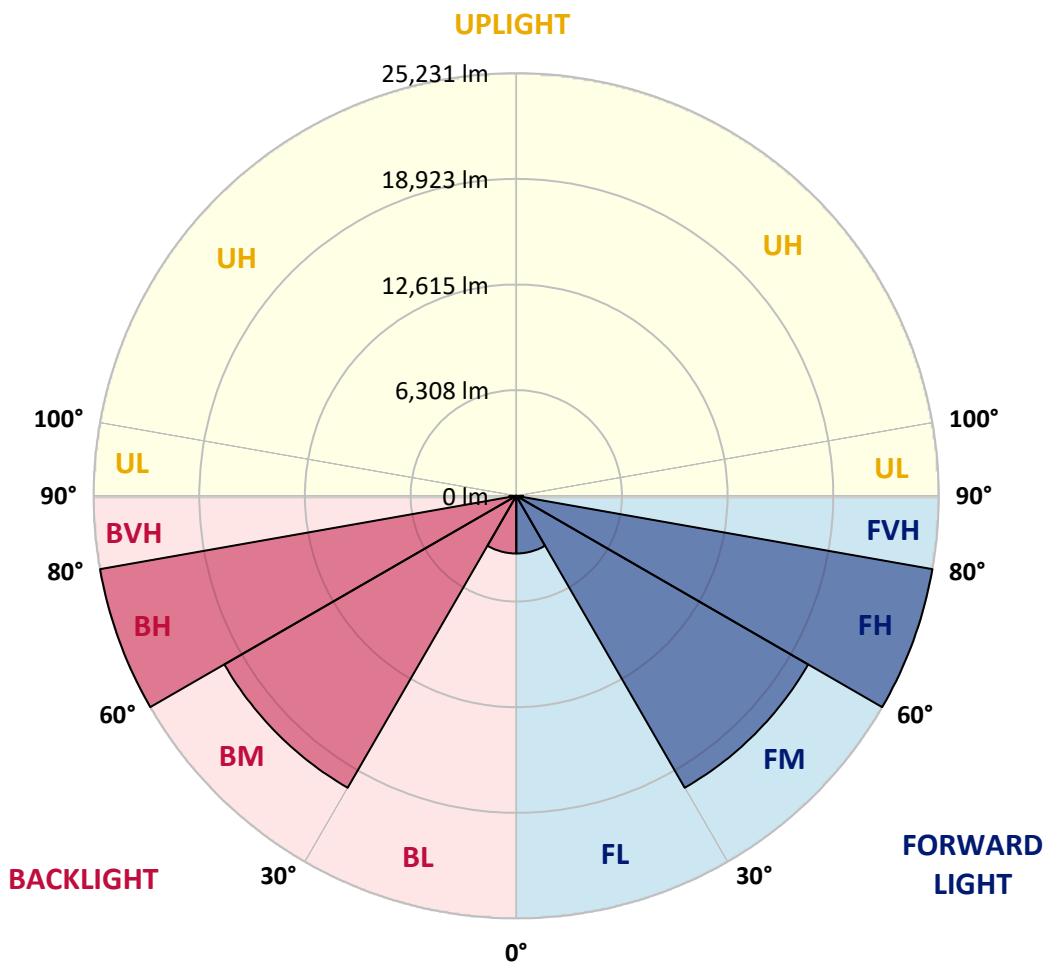


REPORT NUMBER: P510574  
 CATALOG NUMBER: CST-CA10-630-760-U-T5R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3441.5	3.5			
FM (30°-60°)	20127.5	20.4			
FH (60°-80°)	25230.9	25.6			G5
FVH (80°-90°)	413.6	0.4			G3/500
BL (0°-30°)	3441.5	3.5	B4/5000		
BM (30°-60°)	20127.5	20.4	B5		
BH (60°-80°)	25230.9	25.6	B5		G5
BVH (80°-90°)	413.6	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



REPORT NUMBER: P510574  
CATALOG NUMBER: CST-CA10-630-760-U-T5R

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7239.9
2.5°	7241.7
5°	7227.4
7.5°	7215.4
10°	7227.6
12.5°	7305.3
15°	7455.0
17.5°	7664.6
20°	7949.1
22.5°	8285.0
25°	8680.9
27.5°	9109.9
30°	9614.3
32.5°	10234.2
35°	11048.3
37.5°	11985.4
40°	13026.8
42.5°	14197.1
45°	15586.0
47.5°	17187.9
50°	19043.2
52.5°	21047.1
55°	23245.5
57.5°	25441.0
60°	27624.1
62.5°	29813.8
65°	32420.7
67.5°	32974.4
70°	30379.1
72.5°	25838.9
75°	19617.7
77.5°	11993.6
80°	3806.8
82.5°	646.2
85°	365.1
87.5°	132.2
90°	0.0

(END OF REPORT)