

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: P256610

Luminaire Tested: **CST-10-3-D-U-T5R-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P256610  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1808-894-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CST-10-3-D-U-T5R-7050  
Description: CELESTEON HIGH MAST LUMINAIRE  
(10) 70 CRI, 5000K LEDS AND TYPE V ROUND OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34420 lumens  
Efficiency: N/A  
Efficacy: 162.4 lumens/watt  
Luminous Opening: Circular (Dia: 2.08' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B5 - U0 - G4

Input Watts (W): 212  
Input Voltage (V): NR  
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

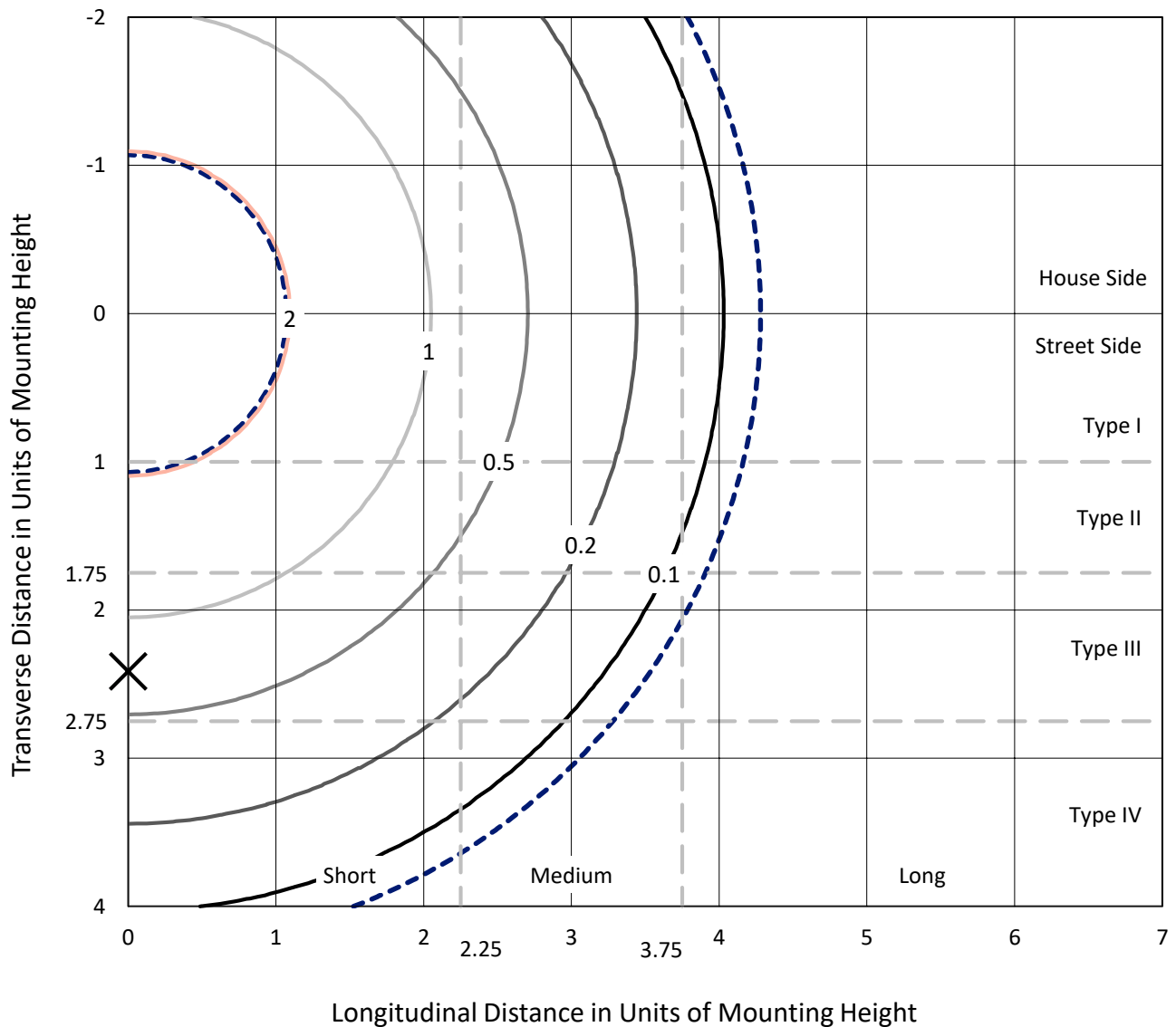


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

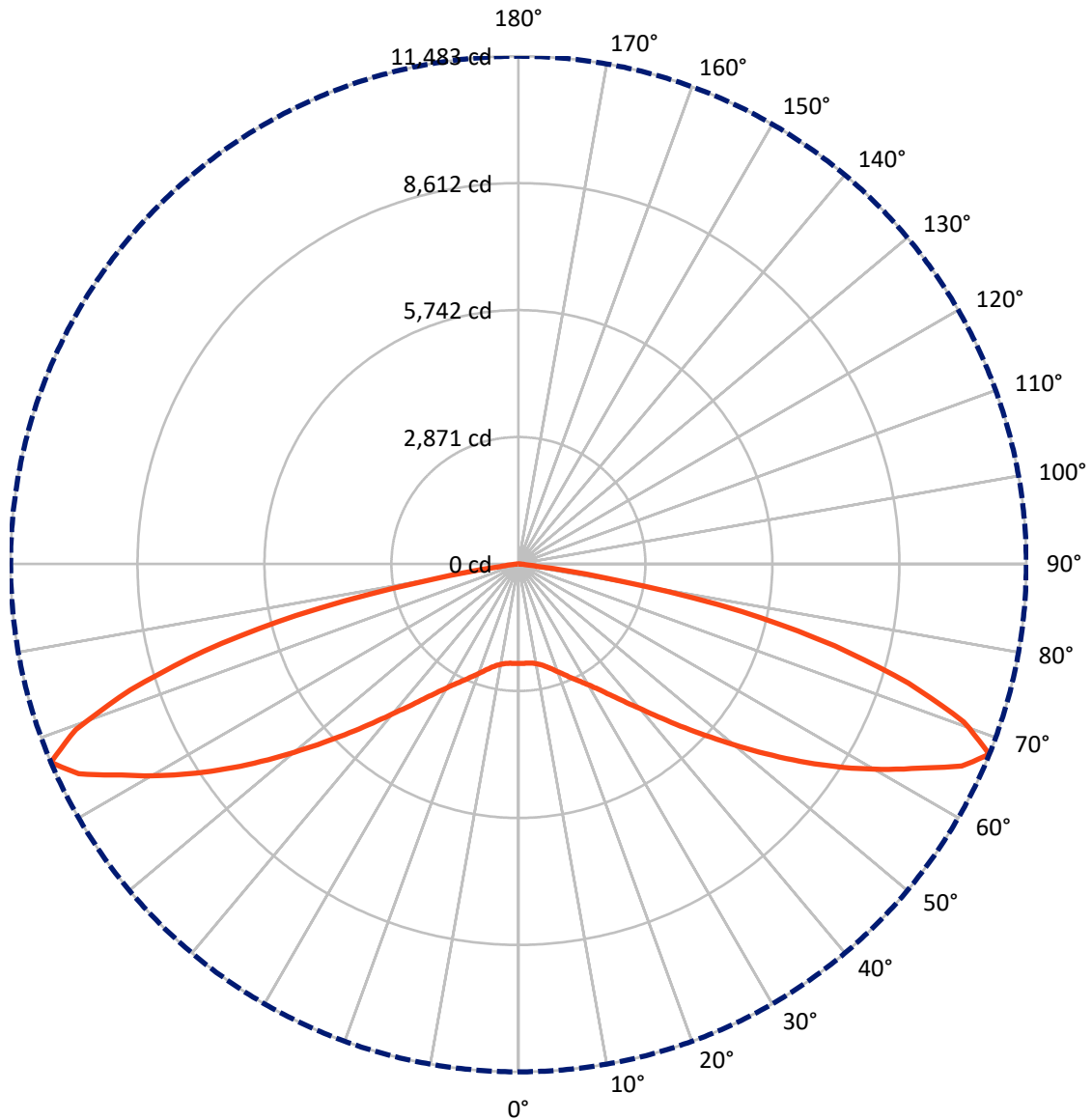


Based on 30 foot mounting height. Maximum calculated value = 2.5 fc  
 Type V - Short - Full Cutoff

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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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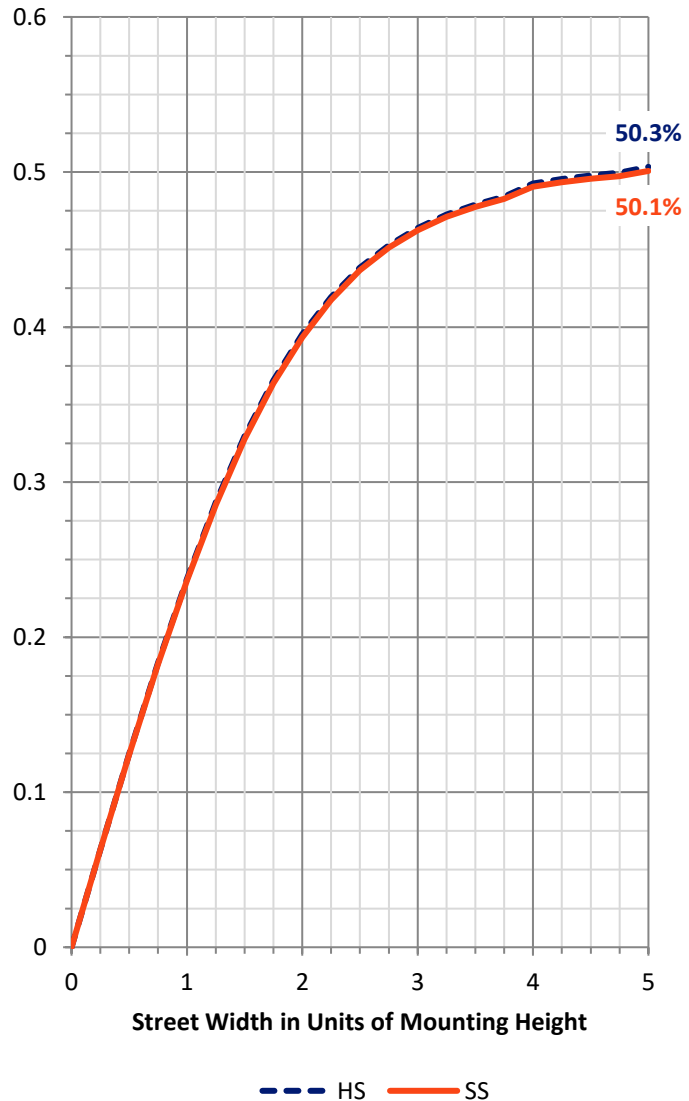
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17210.0	0.0	17210.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17210.0	0.0	17210.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34420.0	0.0	34420.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.1	0.6
10°-20°	692.6	2.0
20°-30°	1339.8	3.9
30°-40°	2337.3	6.8
40°-50°	4148.8	12.1
50°-60°	7145.7	20.8
60°-70°	10612.2	30.8
70°-80°	7447.1	21.6
80°-90°	480.4	1.4
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°	34420.0	100.0
0°-180°	34420.0	100.0



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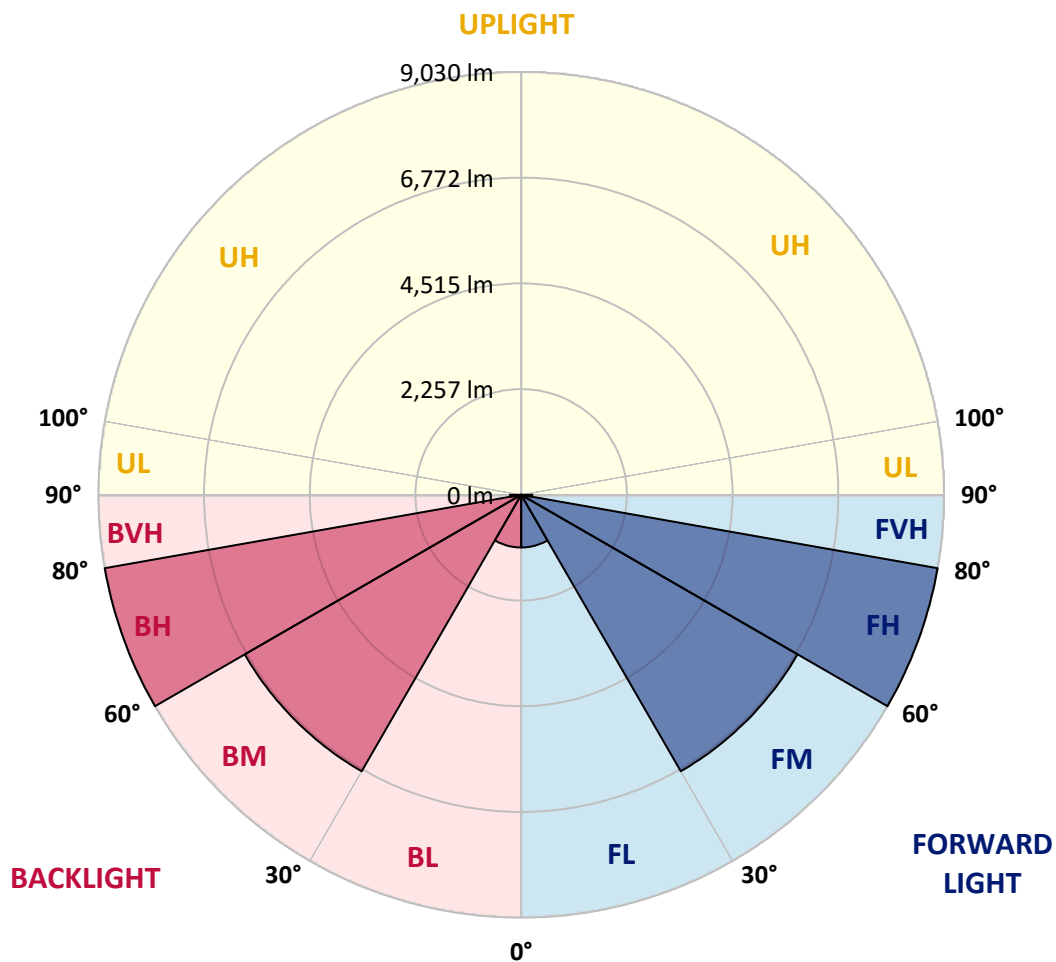
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1124.3	3.3			
FM	(30°-60°)	6815.9	19.8			
FH	(60°-80°)	9029.7	26.2			G4/12000
FVH	(80°-90°)	240.2	0.7			G3/500
BL	(0°-30°)	1124.3	3.3	B3/2500		
BM	(30°-60°)	6815.9	19.8	B4/8500		
BH	(60°-80°)	9029.7	26.2	B5		G4/12000
BVH	(80°-90°)	240.2	0.7			G3/500
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°	2245.2
2.5°	2248.2
5°	2250.3
7.5°	2262.6
10°	2293.3
12.5°	2341.5
15°	2411.2
17.5°	2503.4
20°	2611.0
22.5°	2731.9
25°	2866.2
27.5°	3014.7
30°	3186.9
32.5°	3398.0
35°	3660.3
37.5°	3974.9
40°	4332.5
42.5°	4771.1
45°	5282.5
47.5°	5849.1
50°	6484.5
52.5°	7186.4
55°	7924.2
57.5°	8678.4
60°	9429.5
62.5°	10165.3
65°	11013.7
67.5°	11483.1
70°	10681.7
72.5°	9224.6
75°	7386.2
77.5°	5164.6
80°	2323.0
82.5°	423.2
85°	129.1
87.5°	56.4
90°	0.0

(END OF REPORT)