

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: P510524

Luminaire Tested: **CST-CA10-630-722-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510524
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-CA10-630-722-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: 80479 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

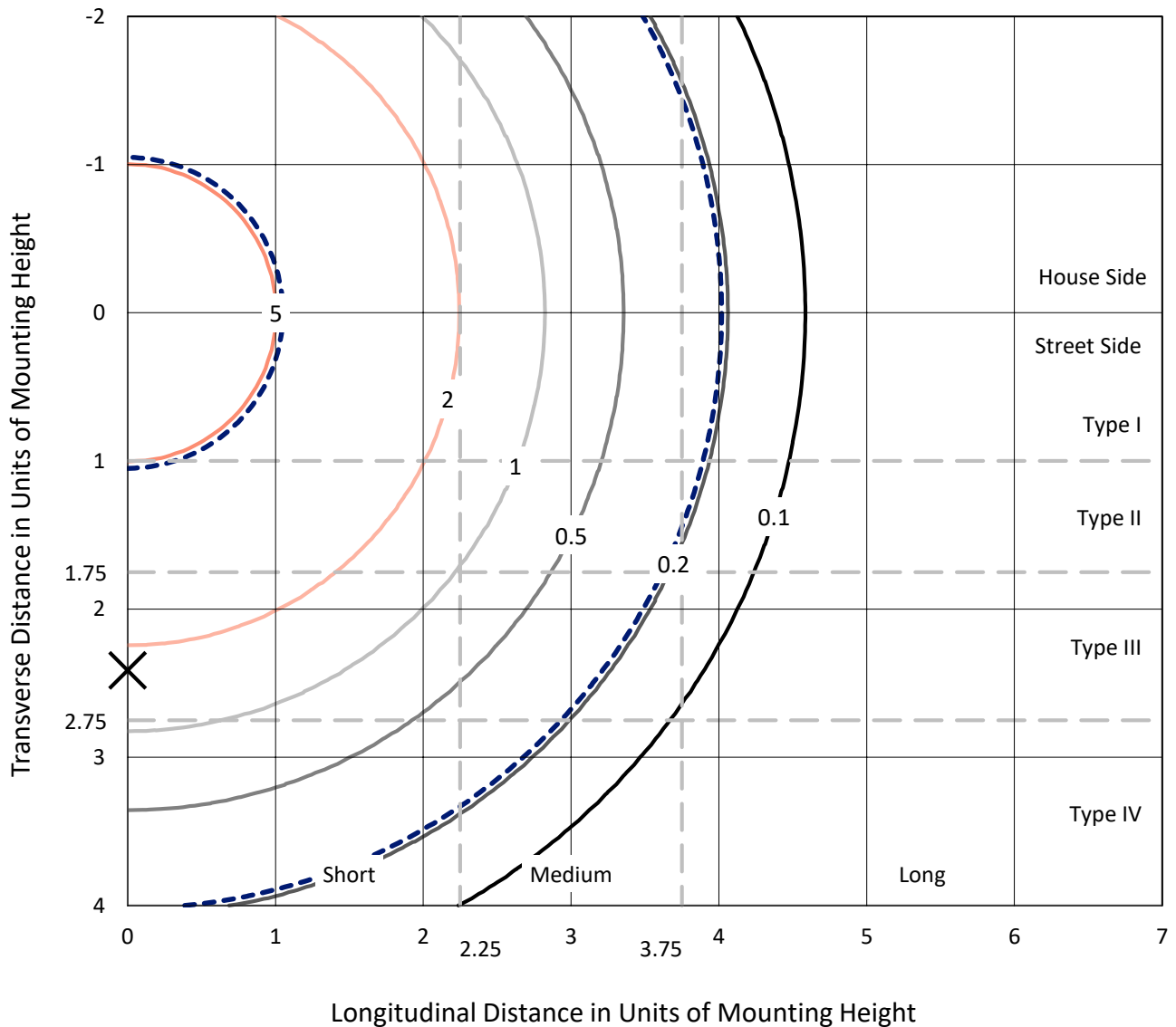
Input Watts (W): 631.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

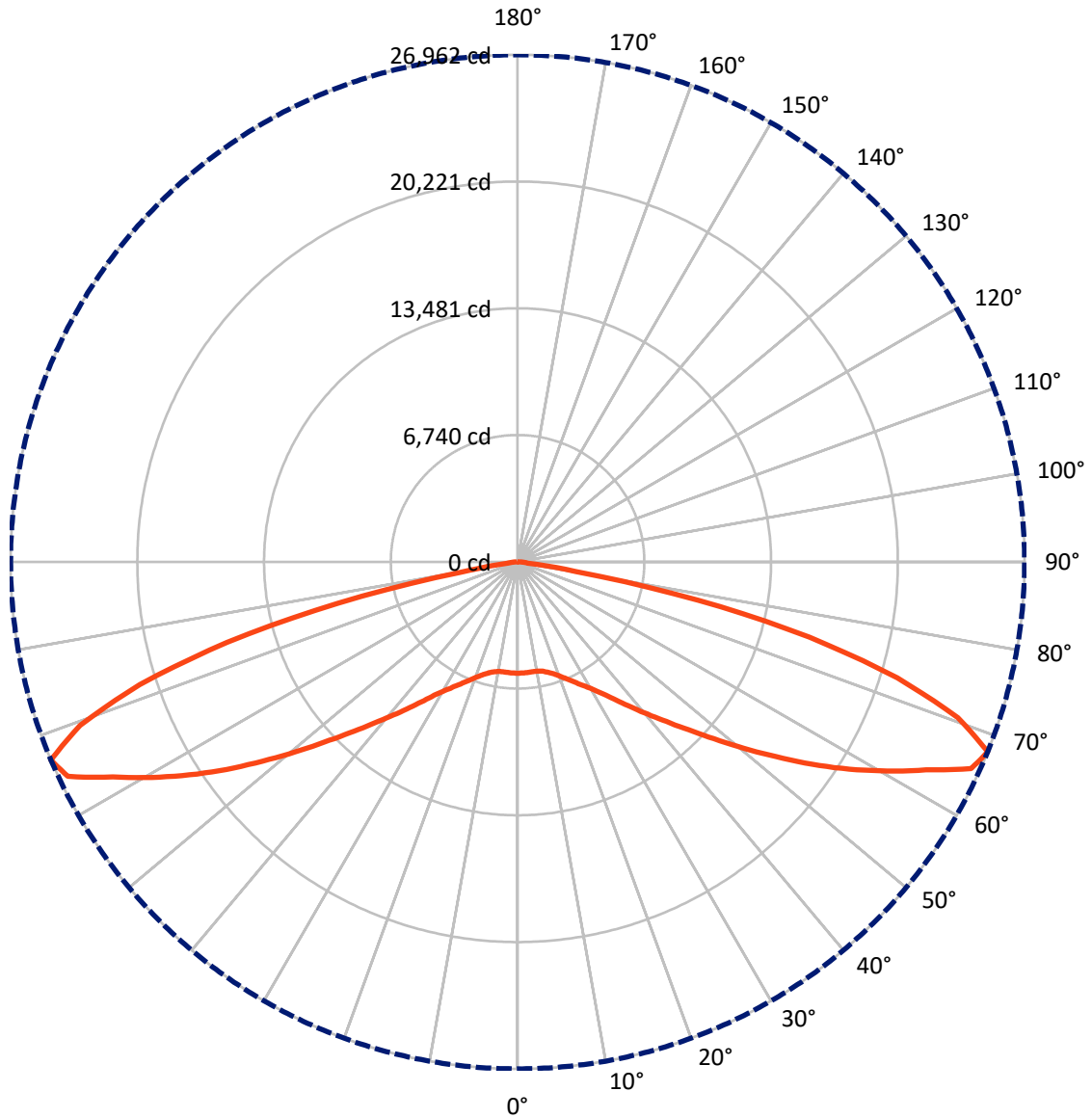
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 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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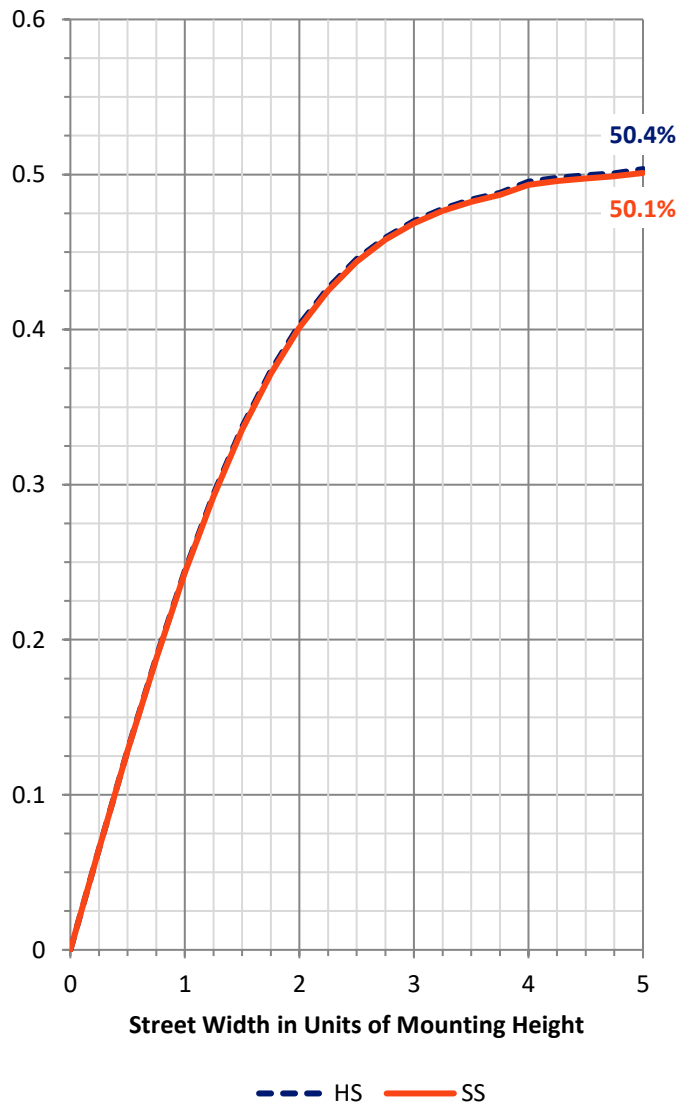
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40239.5	0.0	40239.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	40239.5	0.0	40239.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	80479.0	0.0	80479.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.9	0.7
10°-20°	1747.6	2.2
20°-30°	3316.4	4.1
30°-40°	5760.2	7.2
40°-50°	10026.1	12.5
50°-60°	17128.4	21.3
60°-70°	25225.0	31.3
70°-80°	16035.1	19.9
80°-90°	676.3	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°	80479.0	100.0
0°-180°	80479.0	100.0

Coefficient of Utilization

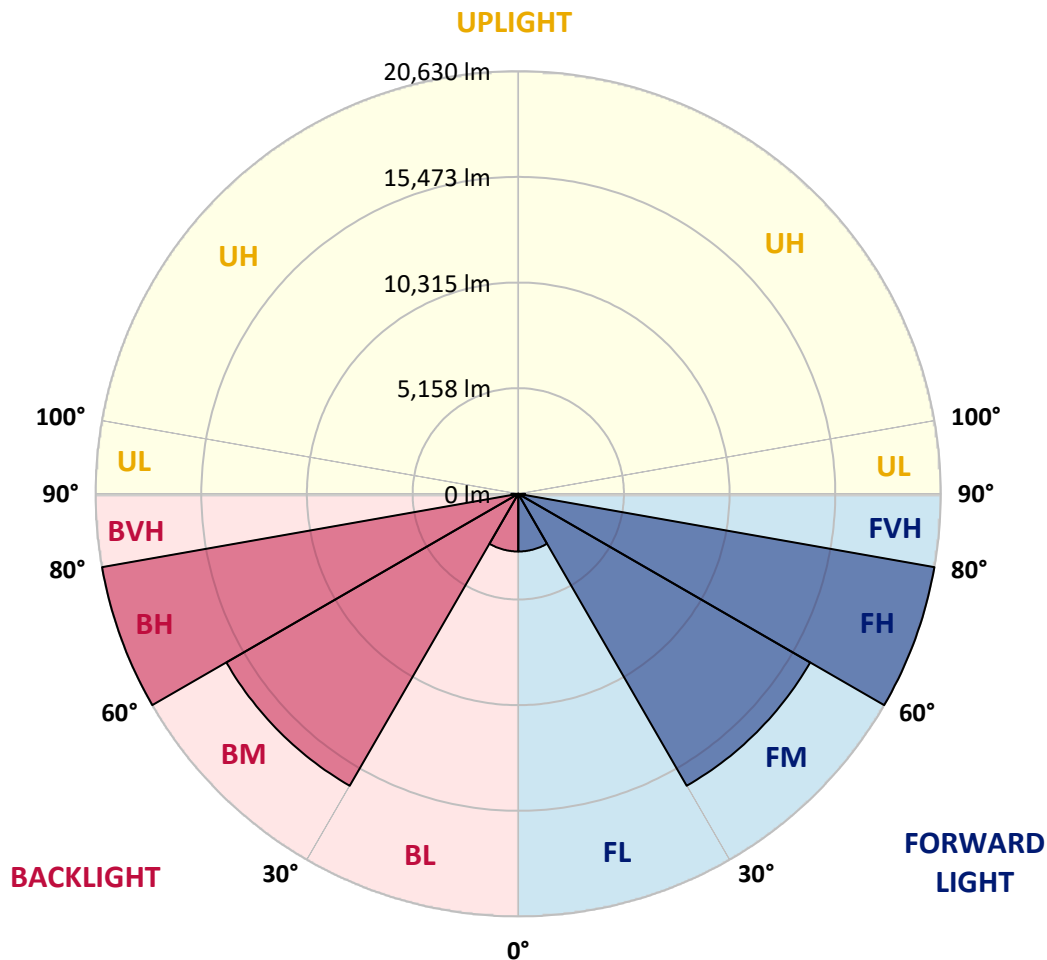


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2814.0	3.5			
FM (30°-60°)	16457.3	20.4			
FH (60°-80°)	20630.1	25.6			G5
FVH (80°-90°)	338.2	0.4			G3/500
BL (0°-30°)	2814.0	3.5	B4/5000		
BM (30°-60°)	16457.3	20.4	B5		
BH (60°-80°)	20630.1	25.6	B5		G5
BVH (80°-90°)	338.2	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°	5919.7
2.5°	5921.2
5°	5909.5
7.5°	5899.7
10°	5909.6
12.5°	5973.2
15°	6095.6
17.5°	6267.0
20°	6499.6
22.5°	6774.3
25°	7097.9
27.5°	7448.7
30°	7861.2
32.5°	8368.0
35°	9033.7
37.5°	9799.9
40°	10651.4
42.5°	11608.3
45°	12743.9
47.5°	14053.7
50°	15570.7
52.5°	17209.2
55°	19006.7
57.5°	20801.8
60°	22586.9
62.5°	24377.3
65°	26508.9
67.5°	26961.6
70°	24839.5
72.5°	21127.2
75°	16040.4
77.5°	9806.6
80°	3112.6
82.5°	528.4
85°	298.5
87.5°	108.1
90°	0.0

(END OF REPORT)