

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: P510404

Luminaire Tested: **CST-CA10-210-722-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510404
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-CA10-210-722-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: 30442 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

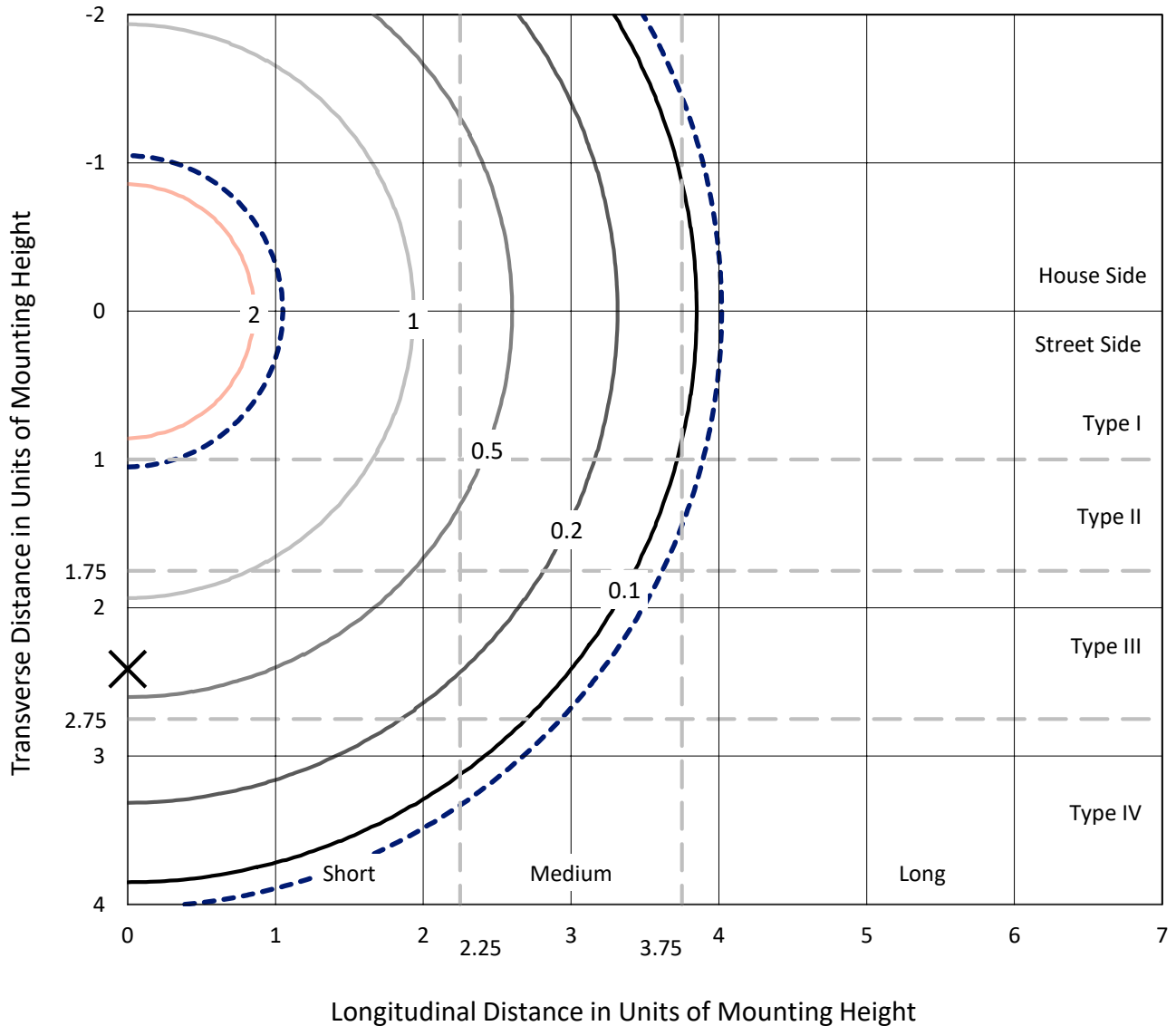
Input Watts (W): 212.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

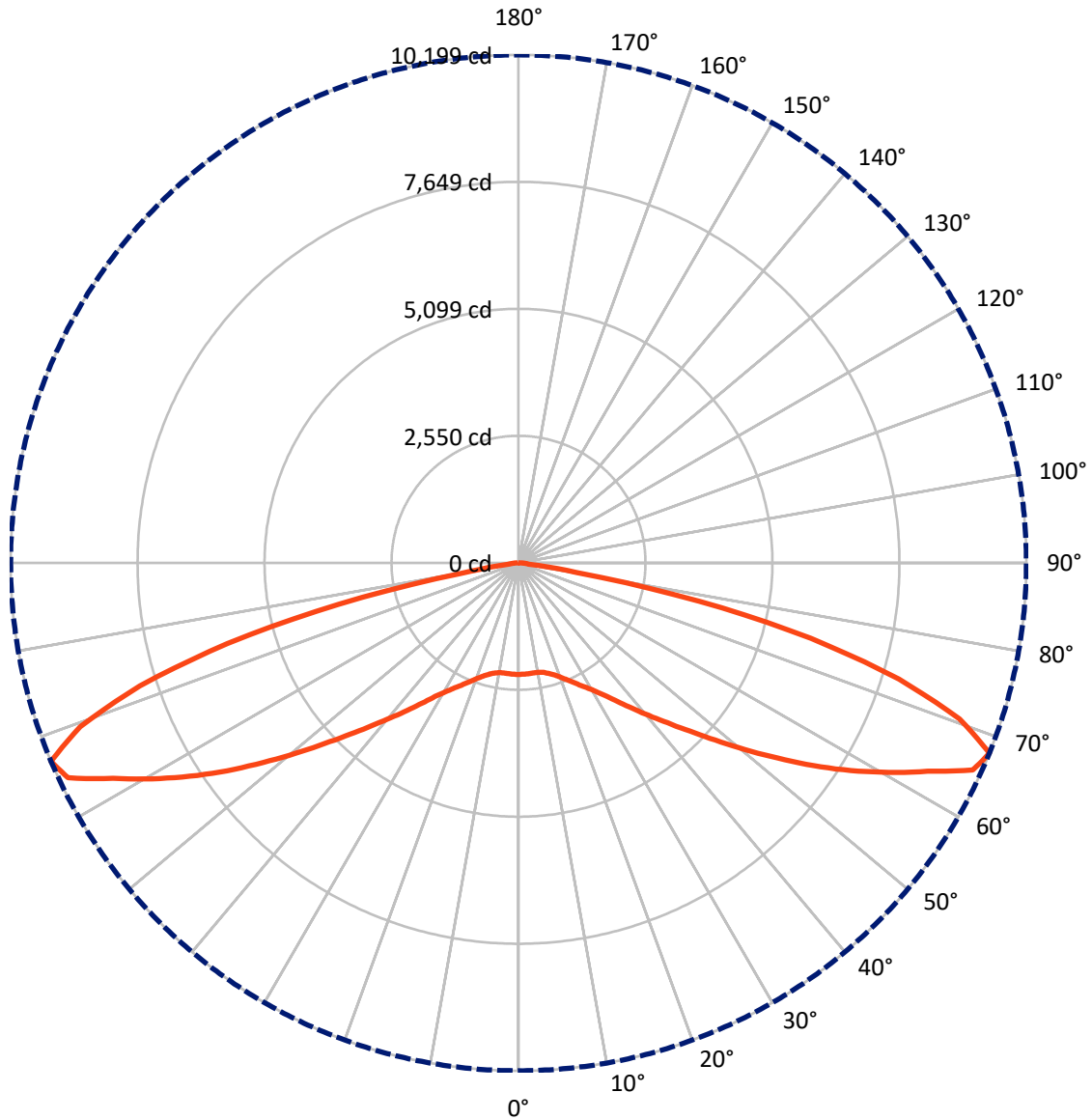
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.5 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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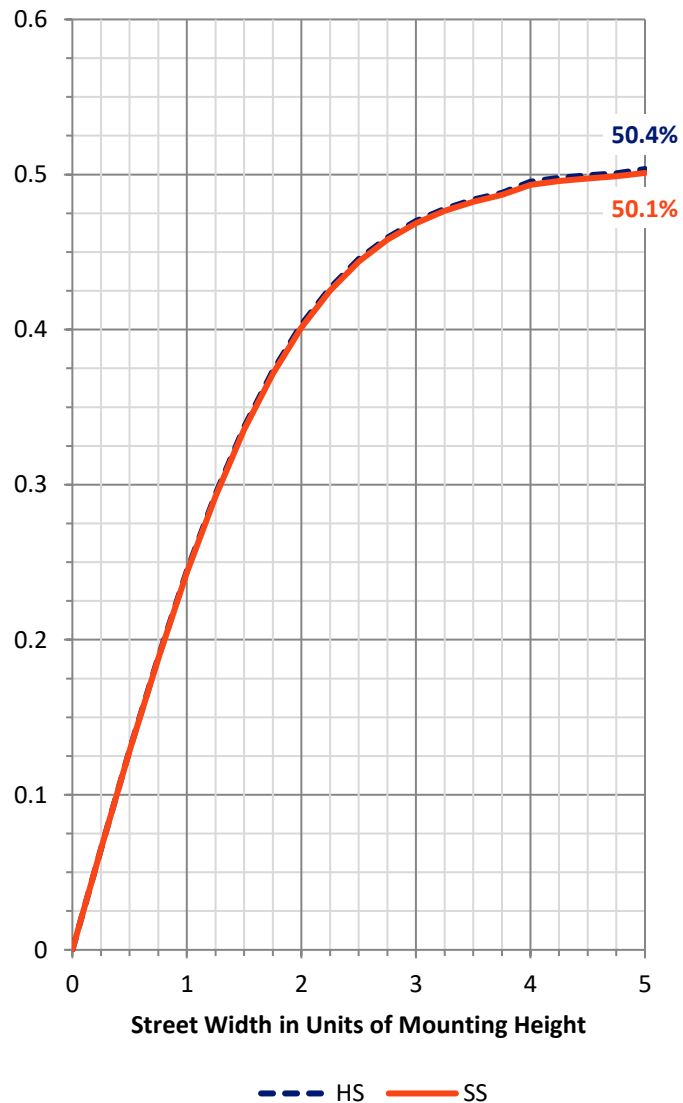
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15221.0	0.0	15221.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15221.0	0.0	15221.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30442.0	0.0	30442.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.3	0.7
10°-20°	661.0	2.2
20°-30°	1254.5	4.1
30°-40°	2178.9	7.2
40°-50°	3792.5	12.5
50°-60°	6479.0	21.3
60°-70°	9541.6	31.3
70°-80°	6065.4	19.9
80°-90°	255.8	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°	30442.0	100.0
0°-180°	30442.0	100.0

Coefficient of Utilization



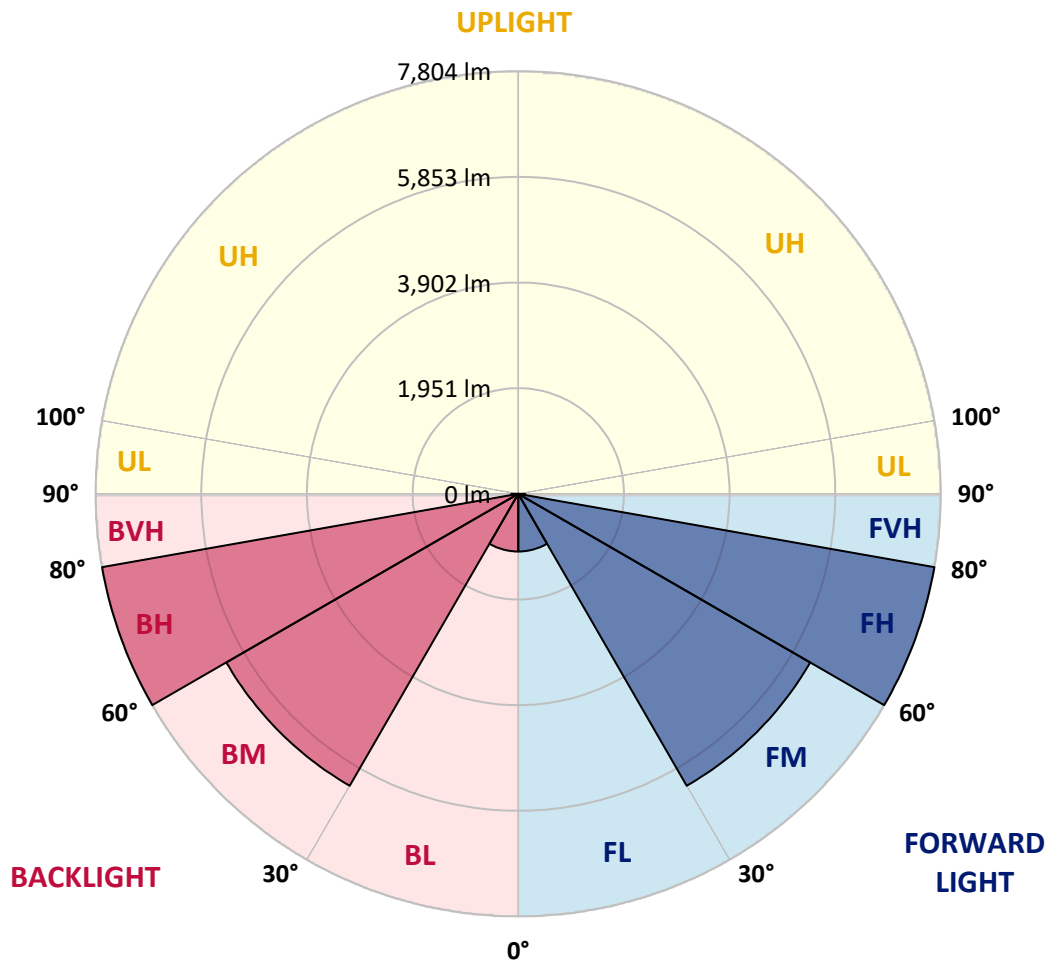
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1064.4	3.5			
FM (30°-60°)	6225.1	20.4			
FH (60°-80°)	7803.5	25.6			G4/12000
FVH (80°-90°)	127.9	0.4			G2/225
BL (0°-30°)	1064.4	3.5	B3/2500		
BM (30°-60°)	6225.1	20.4	B4/8500		
BH (60°-80°)	7803.5	25.6	B5		G4/12000
BVH (80°-90°)	127.9	0.4			G2/225
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°	2239.2
2.5°	2239.8
5°	2235.3
7.5°	2231.6
10°	2235.4
12.5°	2259.4
15°	2305.7
17.5°	2370.5
20°	2458.5
22.5°	2562.4
25°	2684.9
27.5°	2817.5
30°	2973.6
32.5°	3165.3
35°	3417.1
37.5°	3706.9
40°	4029.0
42.5°	4390.9
45°	4820.5
47.5°	5316.0
50°	5889.8
52.5°	6509.5
55°	7189.5
57.5°	7868.5
60°	8543.7
62.5°	9221.0
65°	10027.2
67.5°	10198.5
70°	9395.8
72.5°	7991.6
75°	6067.5
77.5°	3709.4
80°	1177.4
82.5°	199.9
85°	112.9
87.5°	40.9
90°	0.0

(END OF REPORT)