

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: P510564

Luminaire Tested: **CST-CA10-630-750-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510564
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-CA10-630-750-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (10) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 100559 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

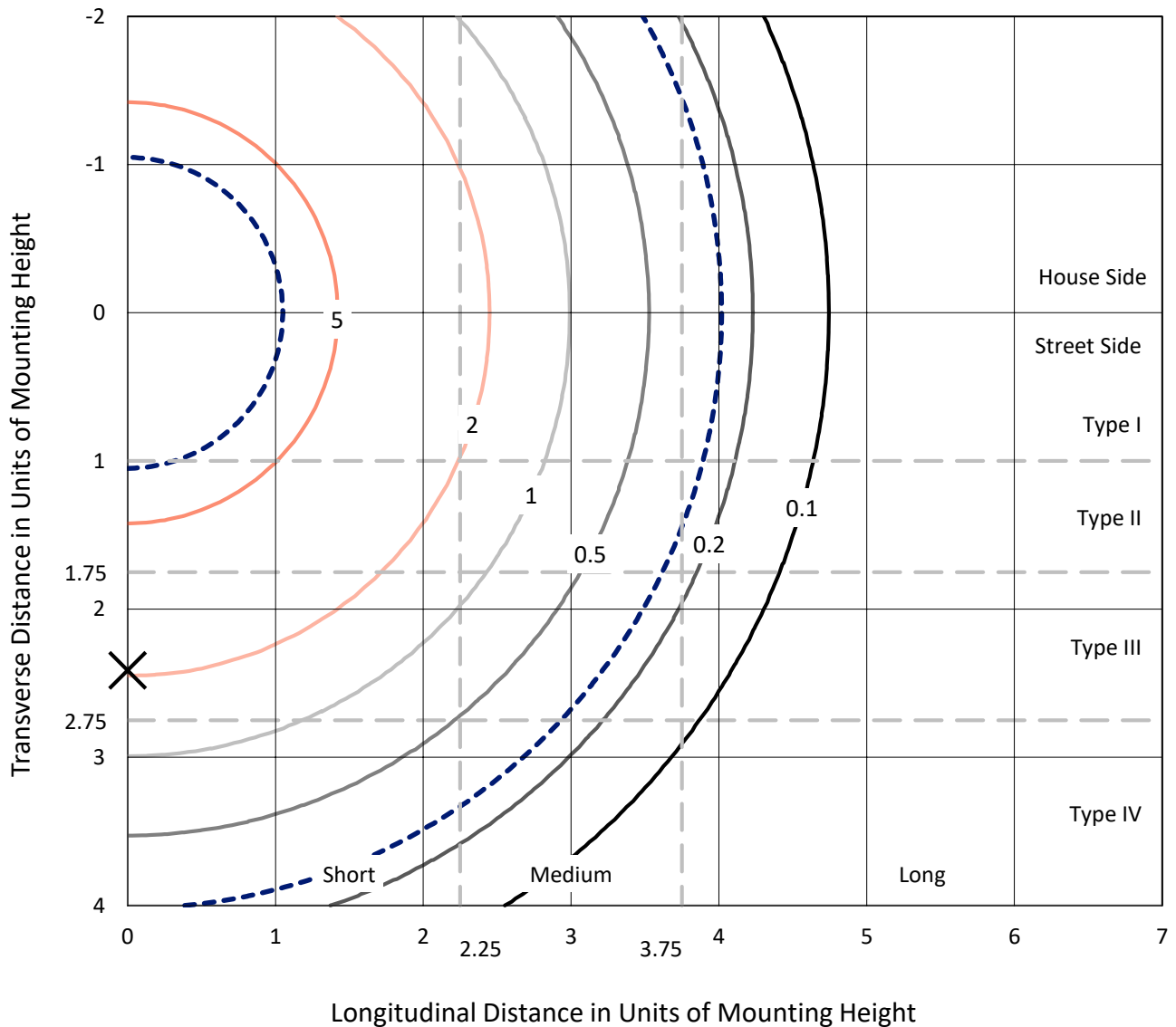
Input Watts (W): 631.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

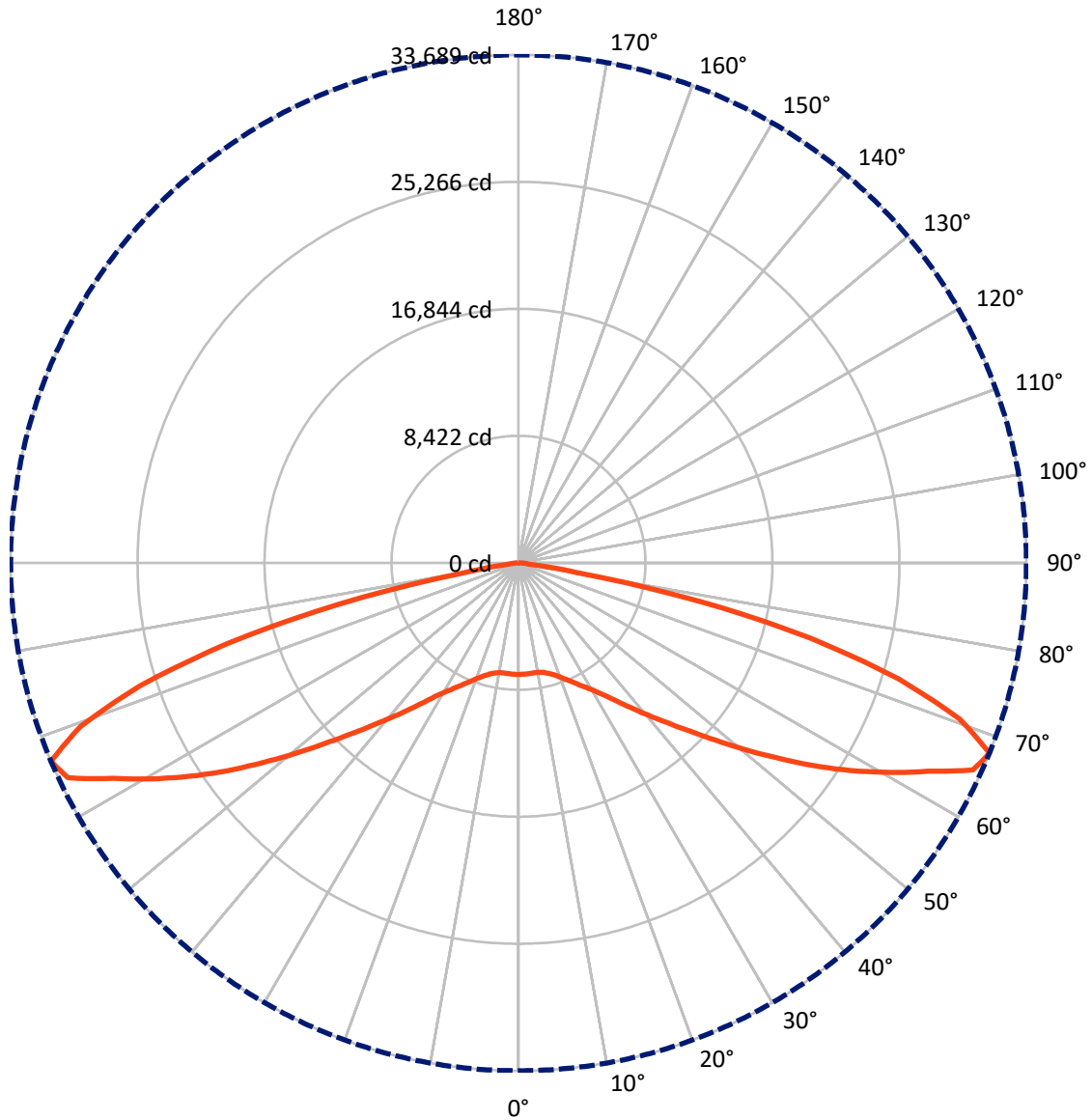
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.2 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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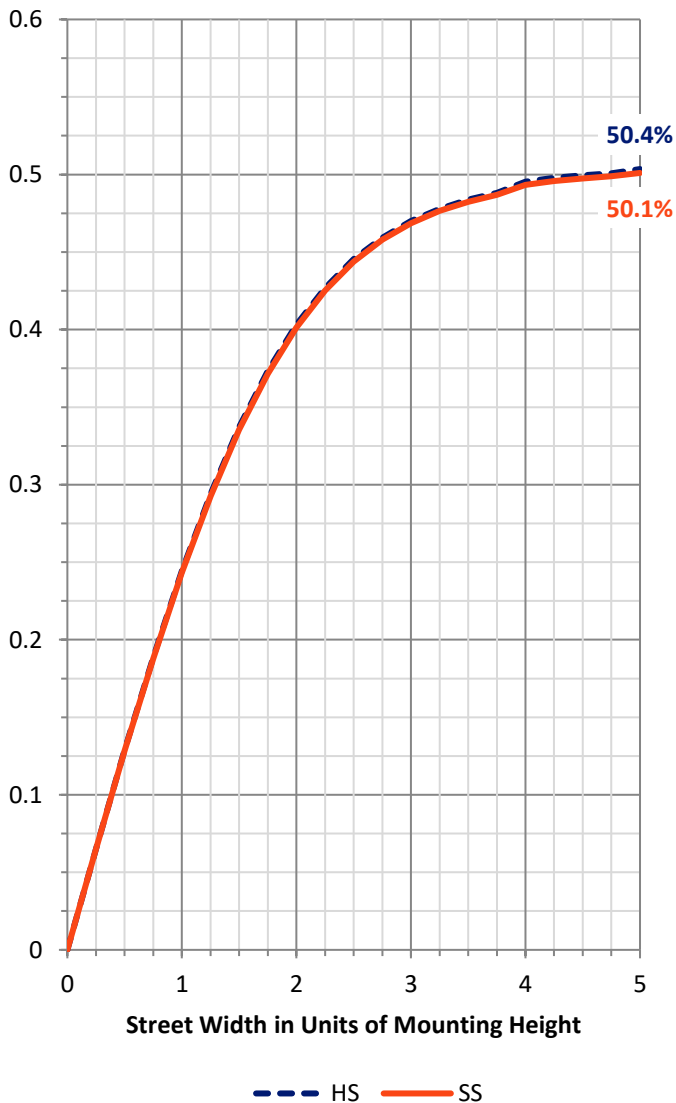
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	50279.5	0.0	50279.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	50279.5	0.0	50279.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	100559.0	0.0	100559.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.6	0.7
10°-20°	2183.6	2.2
20°-30°	4143.9	4.1
30°-40°	7197.4	7.2
40°-50°	12527.6	12.5
50°-60°	21402.1	21.3
60°-70°	31518.8	31.3
70°-80°	20035.9	19.9
80°-90°	845.1	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°	100559.0	100.0
0°-180°	100559.0	100.0

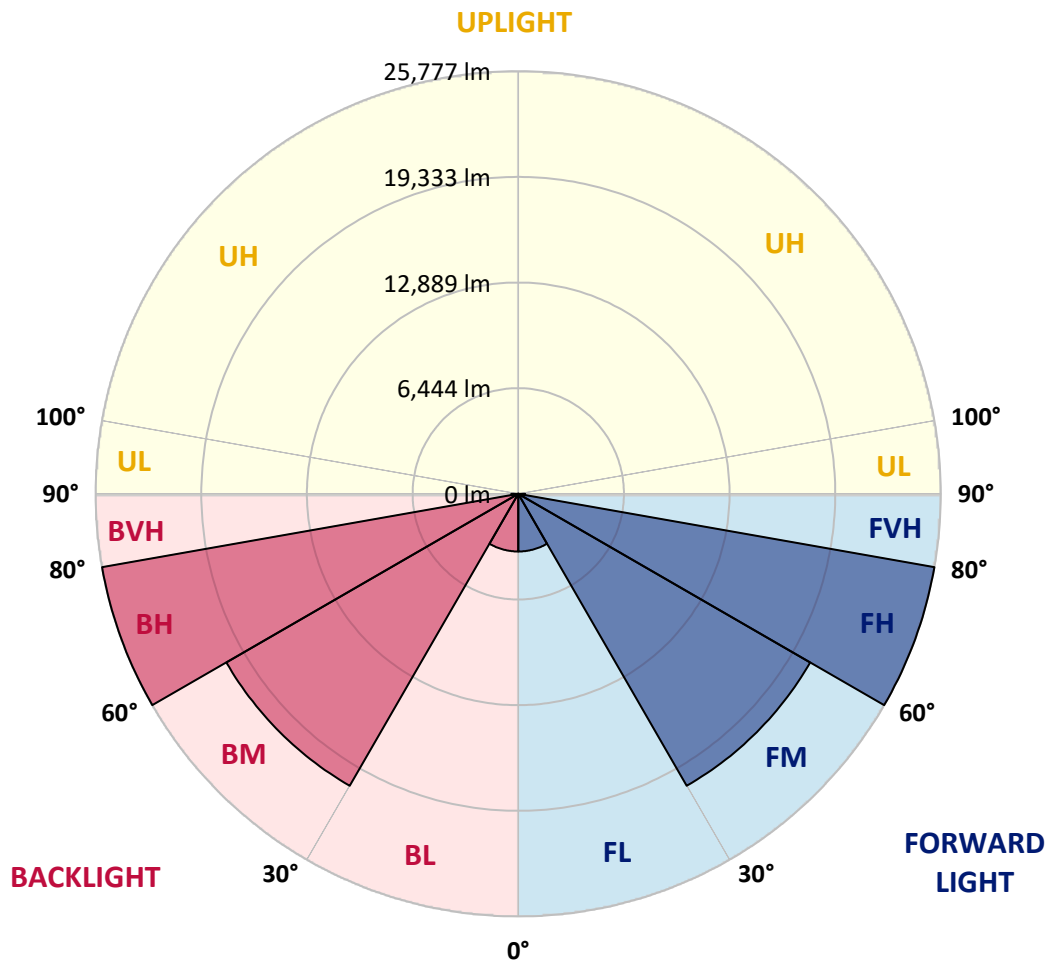


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3516.1	3.5			
FM (30°-60°)	20563.5	20.4			
FH (60°-80°)	25777.4	25.6			G5
FVH (80°-90°)	422.5	0.4			G3/500
BL (0°-30°)	3516.1	3.5	B4/5000		
BM (30°-60°)	20563.5	20.4	B5		
BH (60°-80°)	25777.4	25.6	B5		G5
BVH (80°-90°)	422.5	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°	7396.7
2.5°	7398.6
5°	7383.9
7.5°	7371.7
10°	7384.1
12.5°	7463.5
15°	7616.5
17.5°	7830.6
20°	8121.3
22.5°	8464.5
25°	8868.9
27.5°	9307.2
30°	9822.6
32.5°	10455.9
35°	11287.6
37.5°	12245.0
40°	13308.9
42.5°	14504.6
45°	15923.6
47.5°	17560.2
50°	19455.7
52.5°	21503.0
55°	23749.0
57.5°	25992.0
60°	28222.5
62.5°	30459.6
65°	33123.0
67.5°	33688.6
70°	31037.1
72.5°	26398.5
75°	20042.6
77.5°	12253.4
80°	3889.2
82.5°	660.2
85°	373.0
87.5°	135.0
90°	0.0

(END OF REPORT)