

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: P510664

Luminaire Tested: **CST-CA6-230-730-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510664
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-CA6-230-730-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36206 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

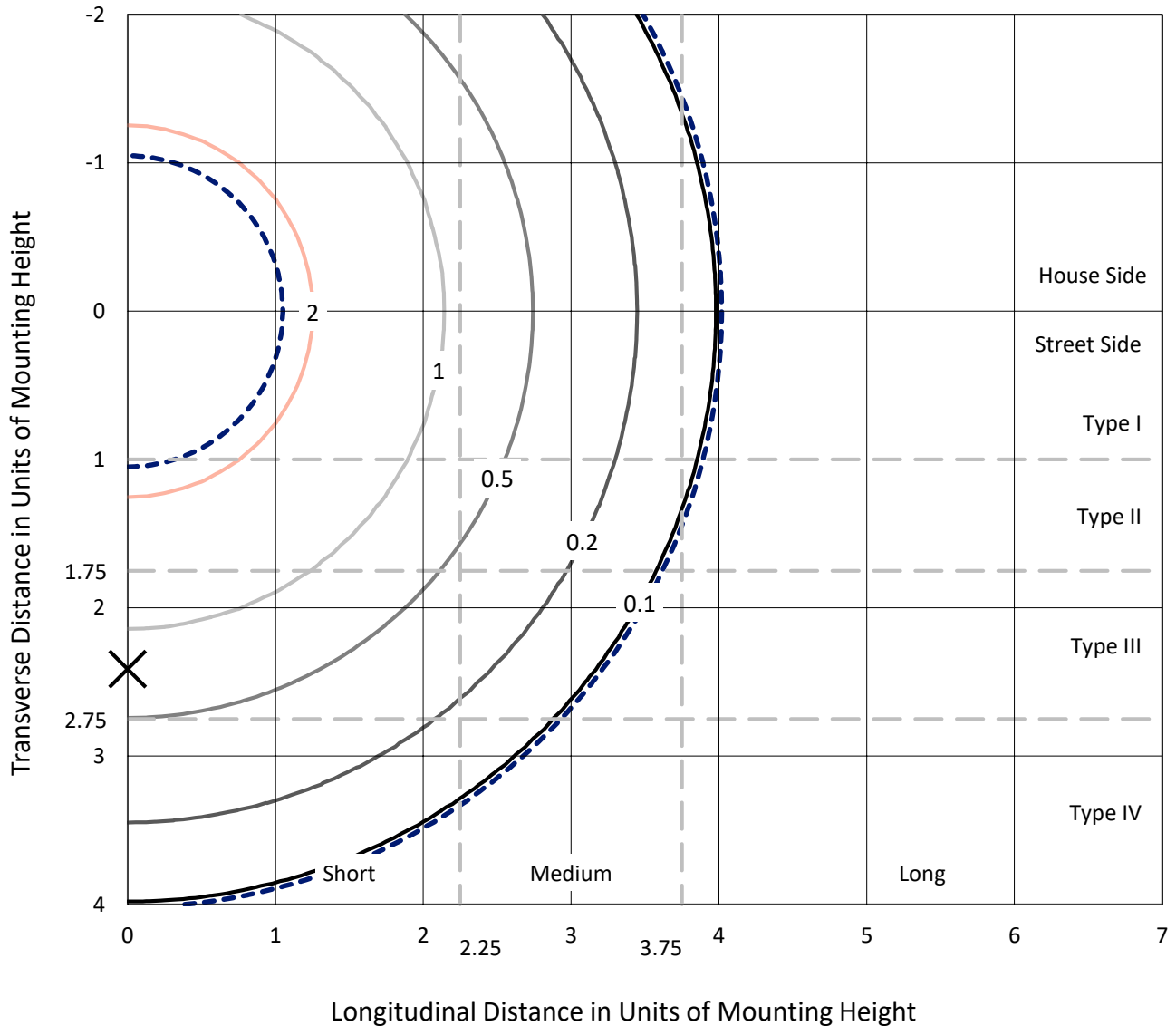
Input Watts (W): 227.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

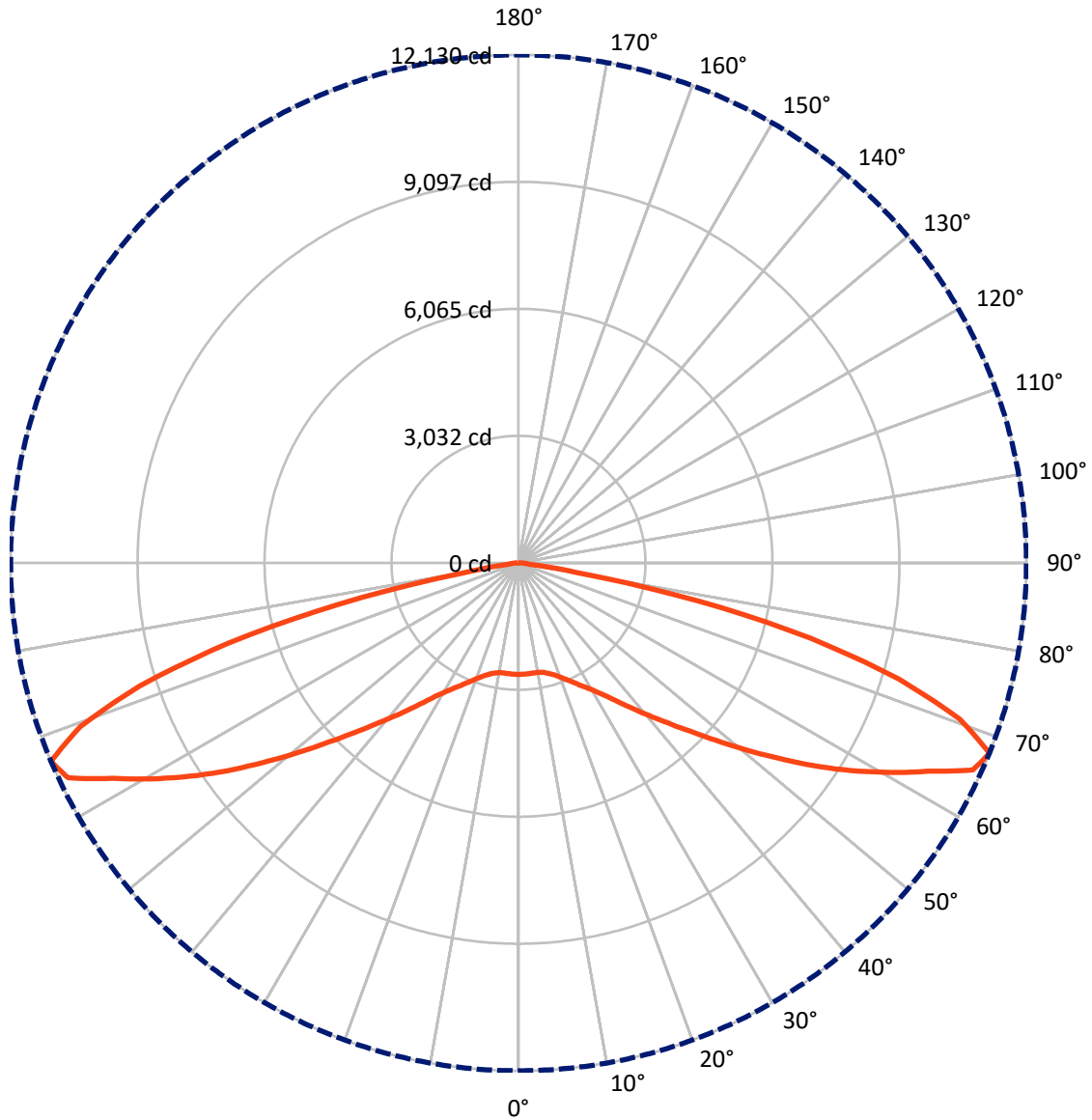
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3 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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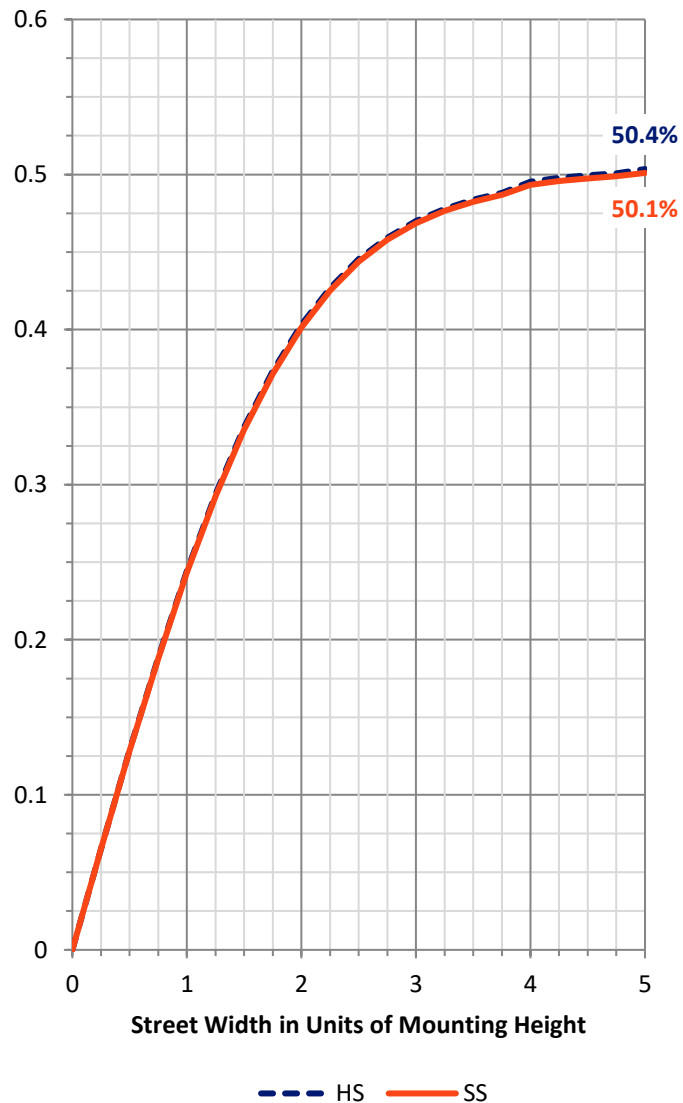
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18103.0	0.0	18103.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18103.0	0.0	18103.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36206.0	0.0	36206.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.7	0.7
10°-20°	786.2	2.2
20°-30°	1492.0	4.1
30°-40°	2591.4	7.2
40°-50°	4510.5	12.5
50°-60°	7705.8	21.3
60°-70°	11348.2	31.3
70°-80°	7213.9	19.9
80°-90°	304.3	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°	36206.0	100.0
0°-180°	36206.0	100.0

Coefficient of Utilization



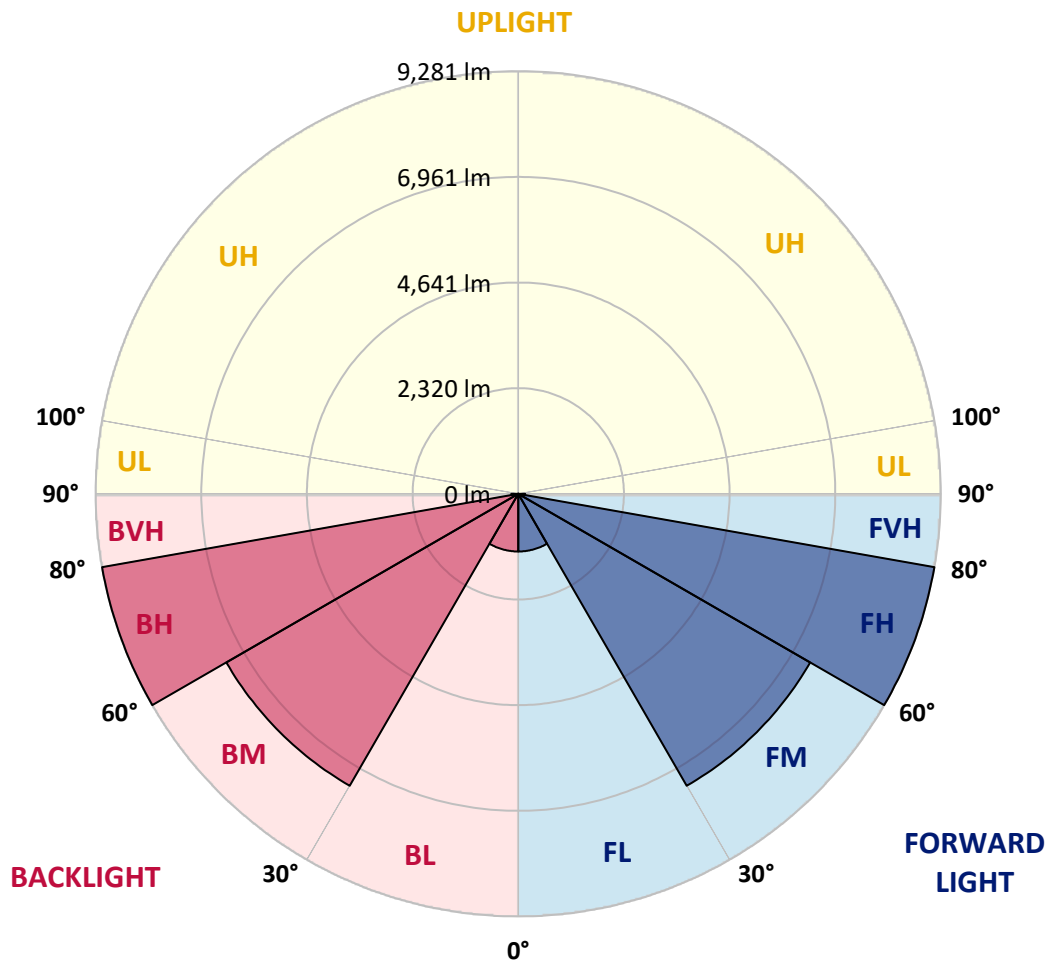
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1265.9	3.5			
FM (30°-60°)	7403.8	20.4			
FH (60°-80°)	9281.1	25.6			G4/12000
FVH (80°-90°)	152.1	0.4			G2/225
BL (0°-30°)	1265.9	3.5	B3/2500		
BM (30°-60°)	7403.8	20.4	B4/8500		
BH (60°-80°)	9281.1	25.6	B5		G4/12000
BVH (80°-90°)	152.1	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°	2663.2
2.5°	2663.8
5°	2658.6
7.5°	2654.2
10°	2658.6
12.5°	2687.2
15°	2742.3
17.5°	2819.4
20°	2924.0
22.5°	3047.6
25°	3193.2
27.5°	3351.0
30°	3536.6
32.5°	3764.6
35°	4064.1
37.5°	4408.8
40°	4791.8
42.5°	5222.3
45°	5733.3
47.5°	6322.5
50°	7005.0
52.5°	7742.1
55°	8550.8
57.5°	9358.4
60°	10161.4
62.5°	10966.9
65°	11925.8
67.5°	12129.5
70°	11174.8
72.5°	9504.7
75°	7216.3
77.5°	4411.8
80°	1400.3
82.5°	237.7
85°	134.3
87.5°	48.6
90°	0.0

(END OF REPORT)