

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: P510674

Luminaire Tested: **CST-CA6-230-740-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510674
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-CA6-230-740-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36874 lumens
Efficiency: N/A
Efficacy: 161.9 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

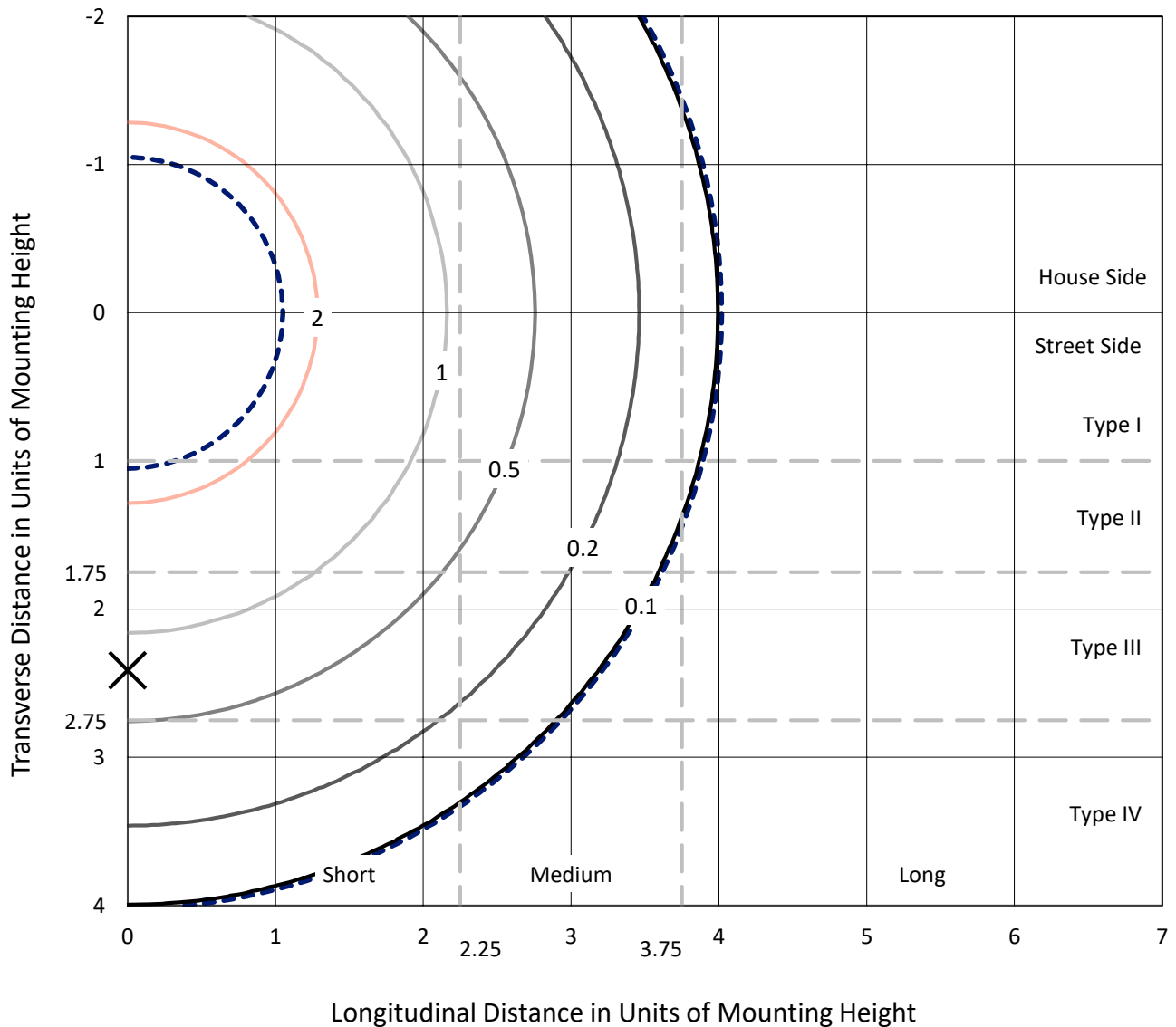
Input Watts (W): 227.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

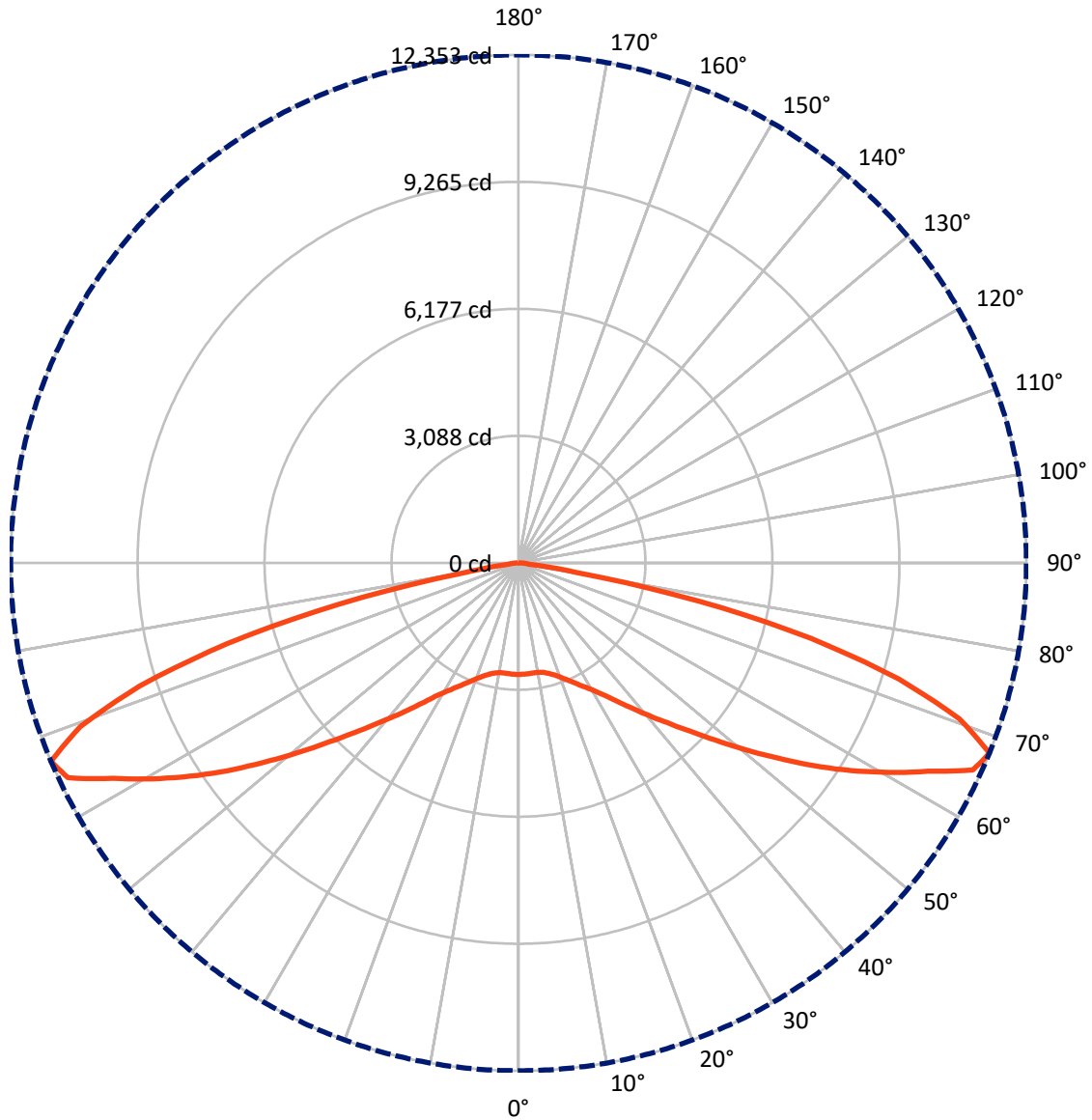
✕ Max cd
 - - - 1/2 Max cd



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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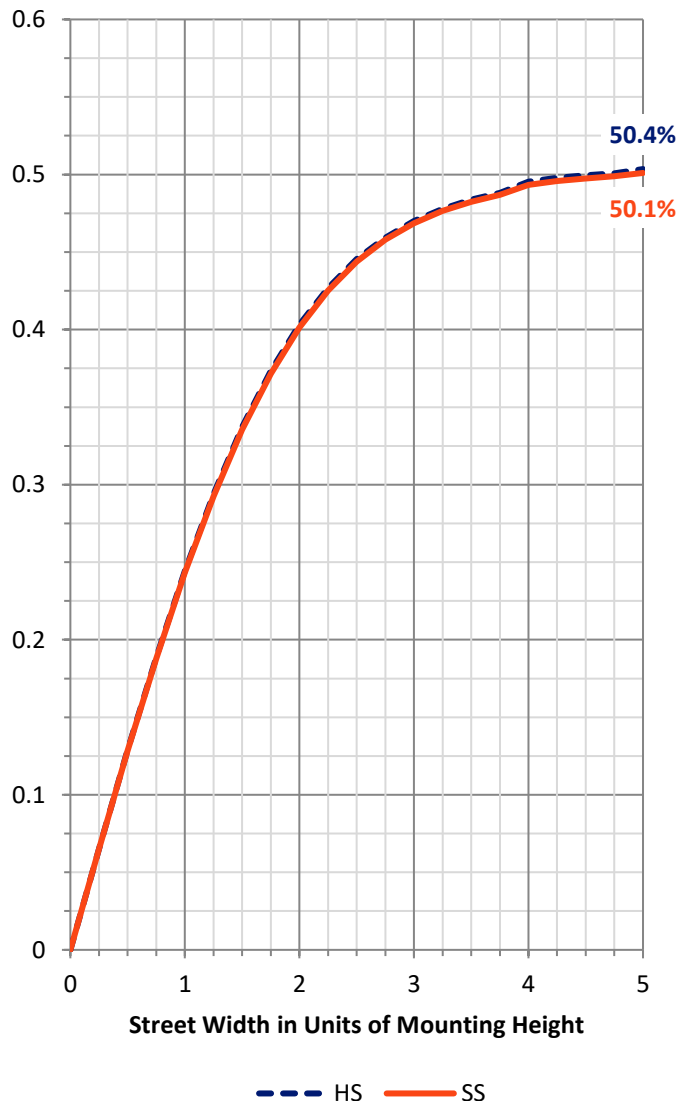
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18437.0	0.0	18437.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18437.0	0.0	18437.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36874.0	0.0	36874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.4	0.7
10°-20°	800.7	2.2
20°-30°	1519.5	4.1
30°-40°	2639.2	7.2
40°-50°	4593.7	12.5
50°-60°	7847.9	21.3
60°-70°	11557.6	31.3
70°-80°	7347.0	19.9
80°-90°	309.9	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°	36874.0	100.0
0°-180°	36874.0	100.0

Coefficient of Utilization



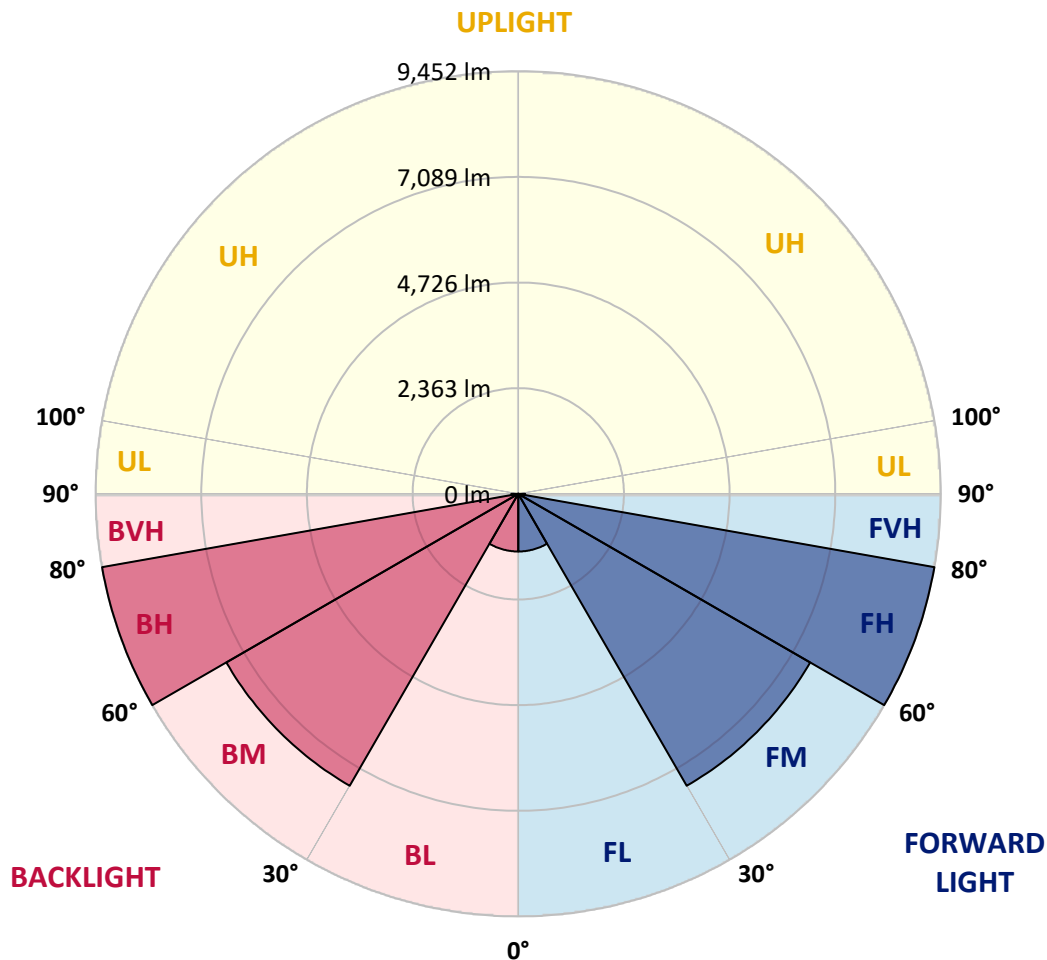
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1289.3	3.5			
FM (30°-60°)	7540.4	20.4			
FH (60°-80°)	9452.3	25.6			G4/12000
FVH (80°-90°)	154.9	0.4			G2/225
BL (0°-30°)	1289.3	3.5	B3/2500		
BM (30°-60°)	7540.4	20.4	B4/8500		
BH (60°-80°)	9452.3	25.6	B5		G4/12000
BVH (80°-90°)	154.9	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°	2712.3
2.5°	2713.0
5°	2707.6
7.5°	2703.1
10°	2707.7
12.5°	2736.8
15°	2792.9
17.5°	2871.4
20°	2978.0
22.5°	3103.8
25°	3252.1
27.5°	3412.9
30°	3601.8
32.5°	3834.1
35°	4139.1
37.5°	4490.1
40°	4880.3
42.5°	5318.7
45°	5839.0
47.5°	6439.1
50°	7134.2
52.5°	7884.9
55°	8708.5
57.5°	9531.0
60°	10348.9
62.5°	11169.2
65°	12145.9
67.5°	12353.3
70°	11381.0
72.5°	9680.1
75°	7349.4
77.5°	4493.2
80°	1426.1
82.5°	242.1
85°	136.8
87.5°	49.5
90°	0.0

(END OF REPORT)