

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: P510644

Luminaire Tested: **CST-CA6-230-722-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510644
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-CA6-230-722-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30052 lumens
Efficiency: N/A
Efficacy: 131.9 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

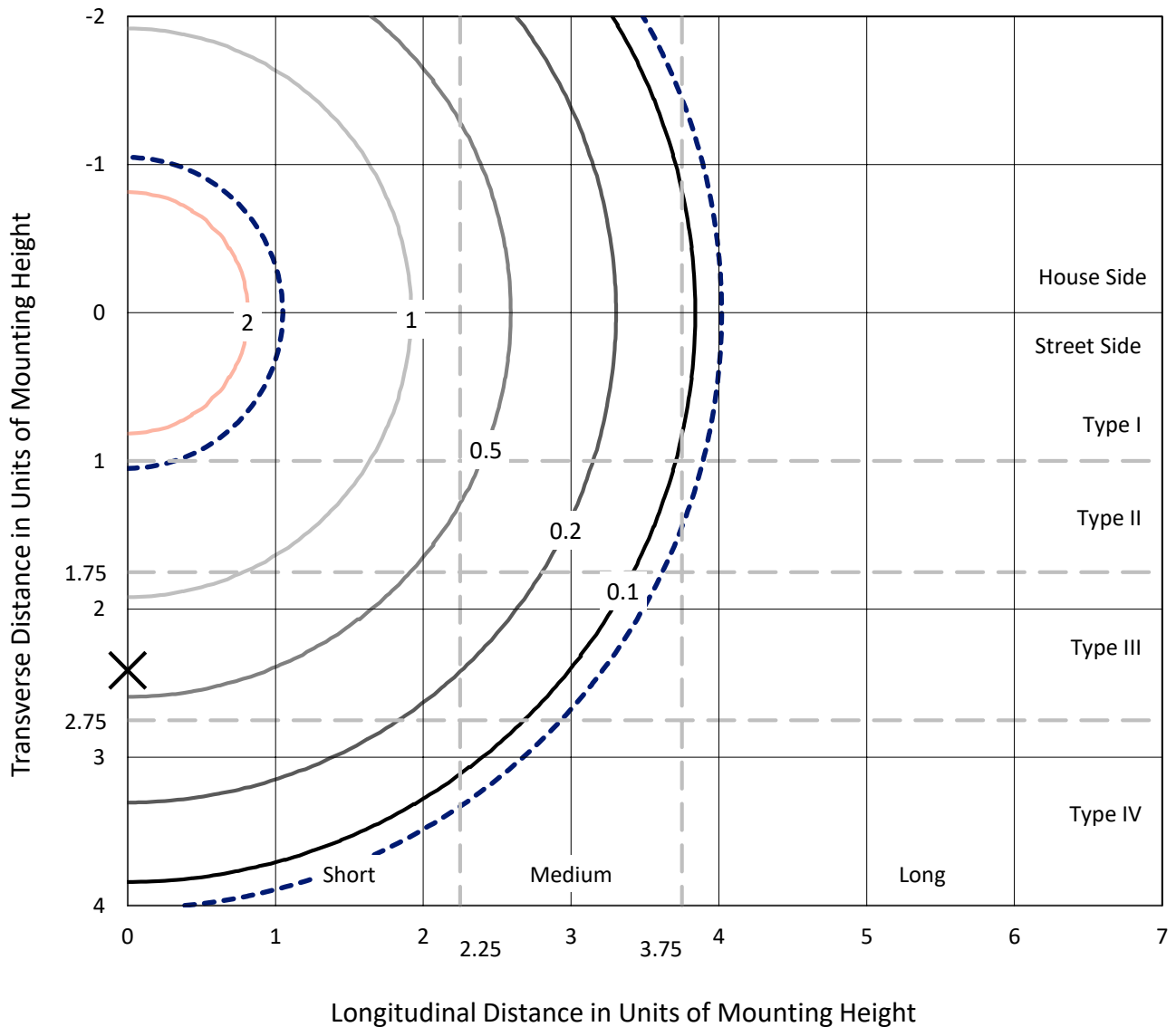




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Iso-Footcandle Lines of Horizontal Illumination

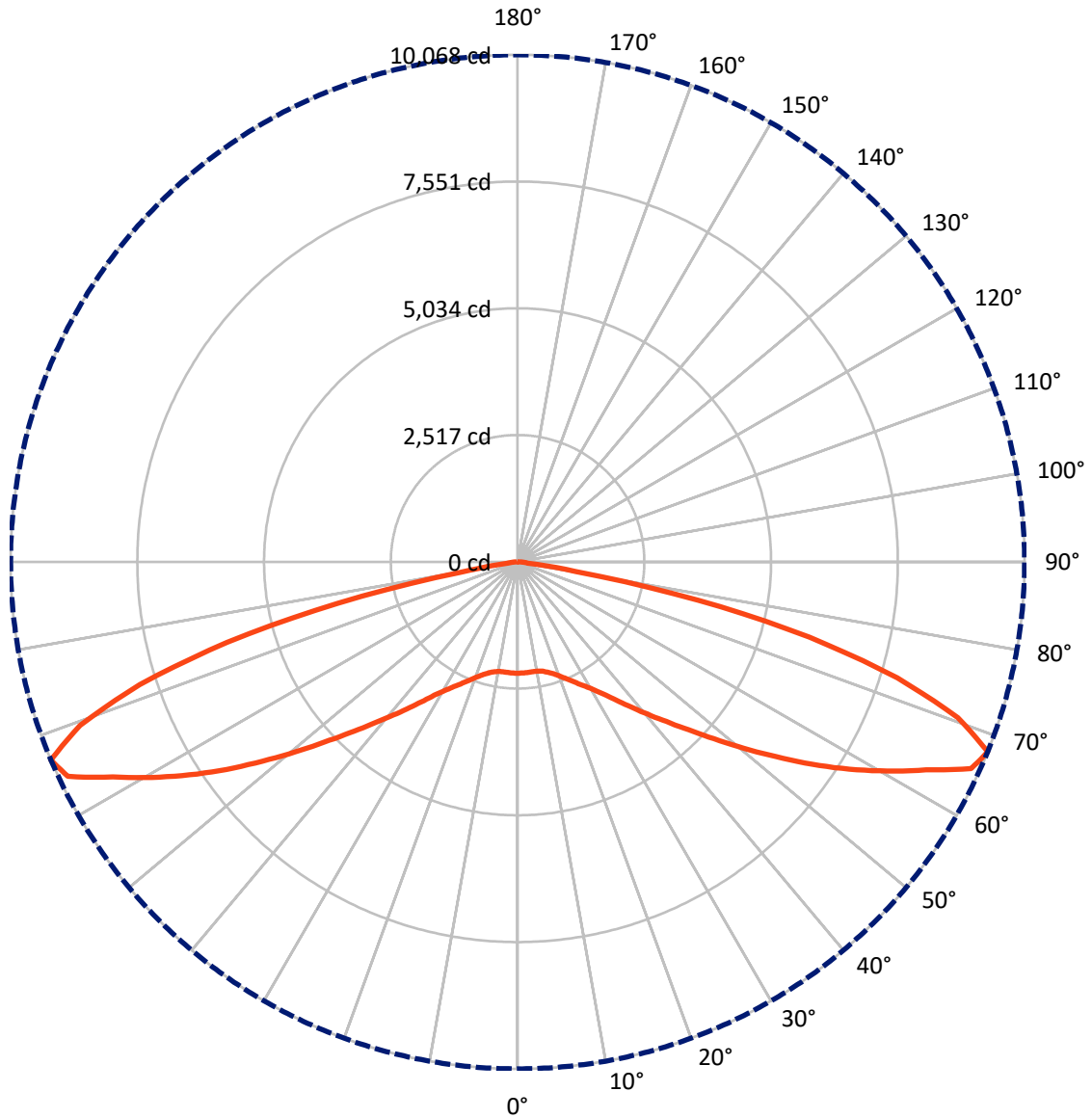
✕ Max cd
 - - - 1/2 Max cd



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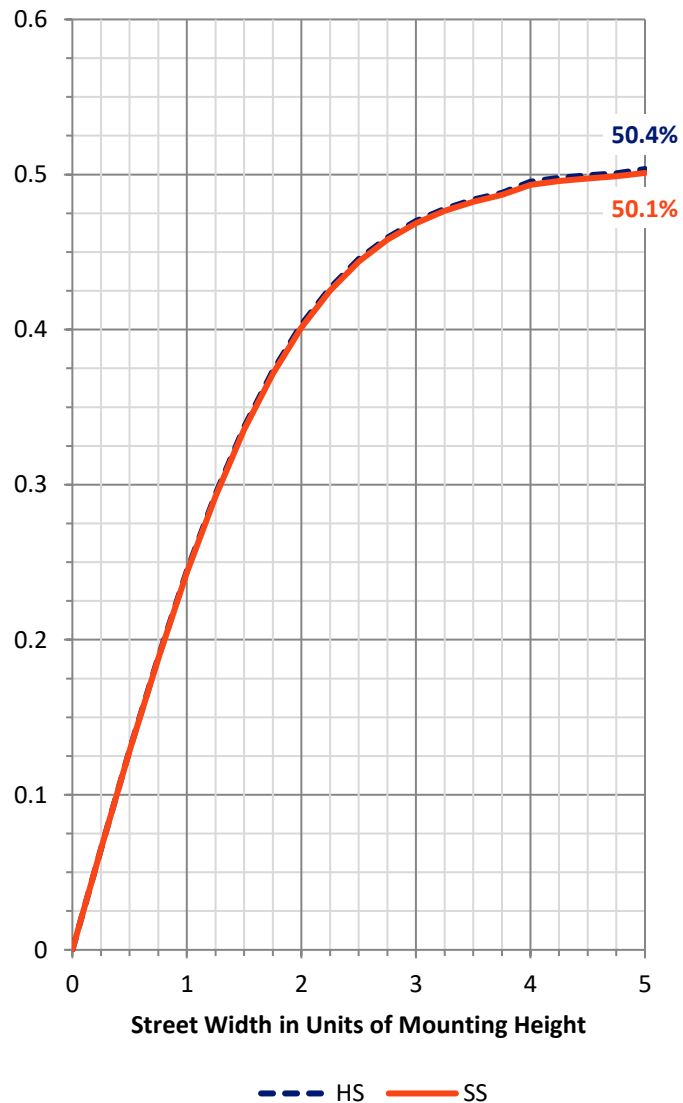
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15026.0	0.0	15026.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15026.0	0.0	15026.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30052.0	0.0	30052.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.6	0.7
10°-20°	652.6	2.2
20°-30°	1238.4	4.1
30°-40°	2150.9	7.2
40°-50°	3743.9	12.5
50°-60°	6396.0	21.3
60°-70°	9419.4	31.3
70°-80°	5987.7	19.9
80°-90°	252.6	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°	30052.0	100.0
0°-180°	30052.0	100.0

Coefficient of Utilization



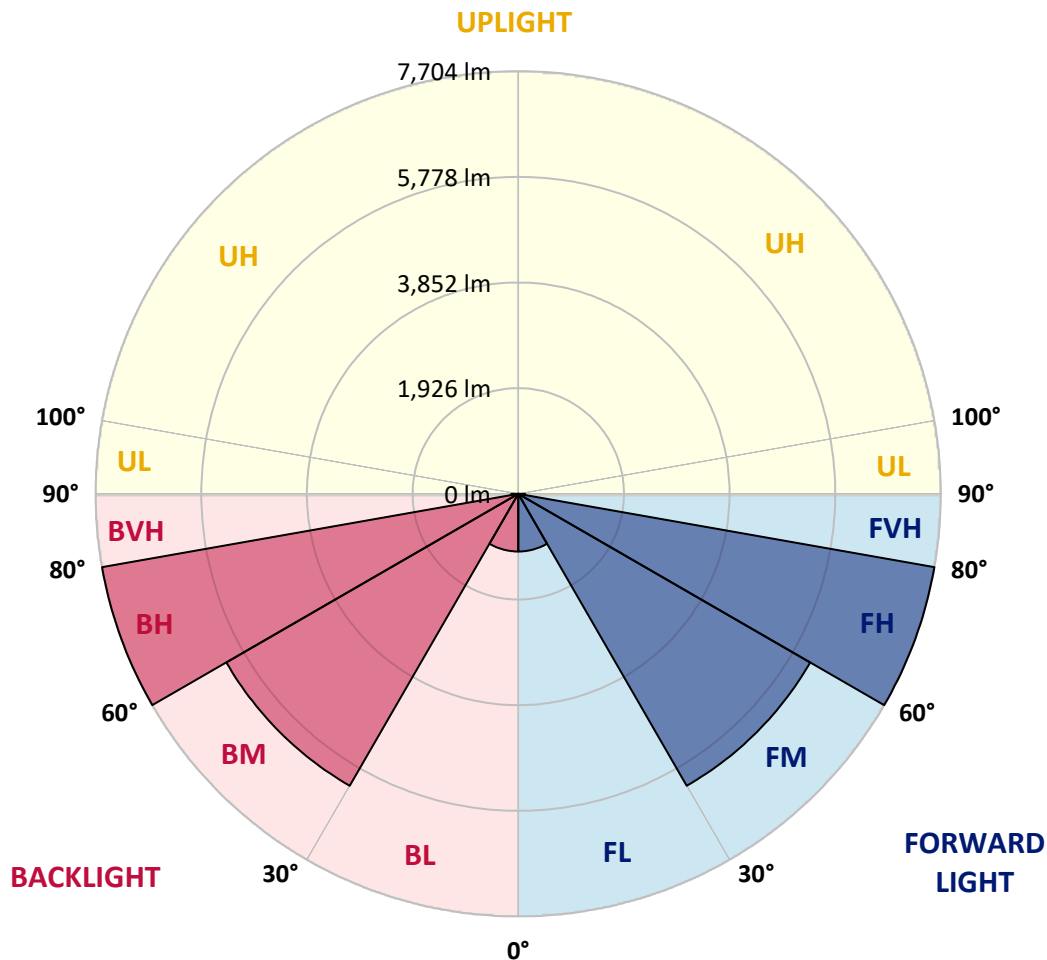
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1050.8	3.5			
FM (30°-60°)	6145.4	20.4			
FH (60°-80°)	7703.5	25.6			G4/12000
FVH (80°-90°)	126.3	0.4			G2/225
BL (0°-30°)	1050.8	3.5	B3/2500		
BM (30°-60°)	6145.4	20.4	B4/8500		
BH (60°-80°)	7703.5	25.6	B5		G4/12000
BVH (80°-90°)	126.3	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°	2210.5
2.5°	2211.1
5°	2206.7
7.5°	2203.0
10°	2206.7
12.5°	2230.5
15°	2276.2
17.5°	2340.2
20°	2427.0
22.5°	2529.6
25°	2650.5
27.5°	2781.4
30°	2935.5
32.5°	3124.7
35°	3373.3
37.5°	3659.4
40°	3977.4
42.5°	4334.7
45°	4758.8
47.5°	5247.9
50°	5814.3
52.5°	6426.1
55°	7097.4
57.5°	7767.7
60°	8434.3
62.5°	9102.8
65°	9898.8
67.5°	10067.8
70°	9275.4
72.5°	7889.2
75°	5989.7
77.5°	3661.9
80°	1162.3
82.5°	197.3
85°	111.5
87.5°	40.4
90°	0.0

(END OF REPORT)