

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: P510764

Luminaire Tested: **CST-CA8-330-722-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510764
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-CA8-330-722-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (8) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42693.9 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

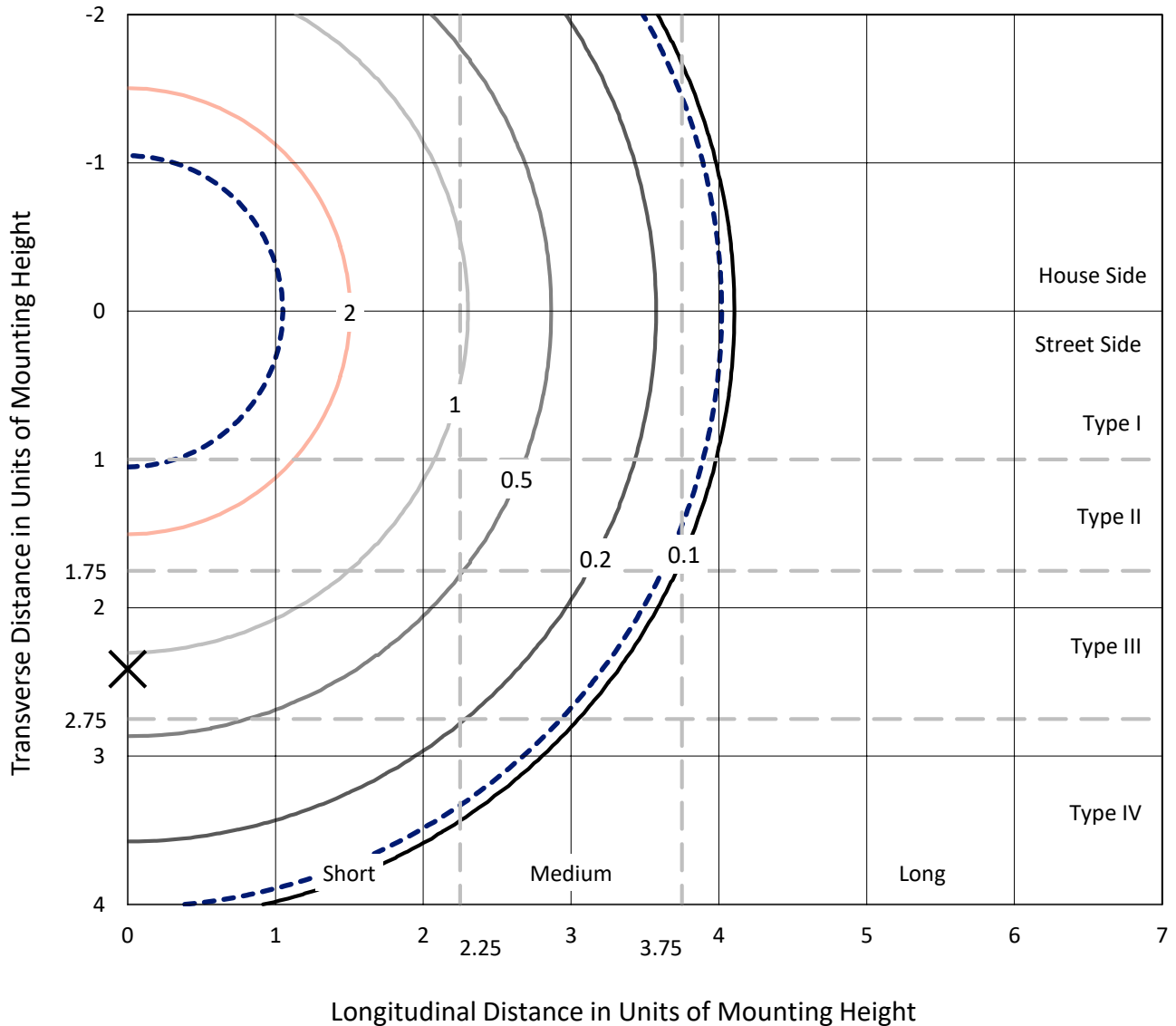
Input Watts (W): 331.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

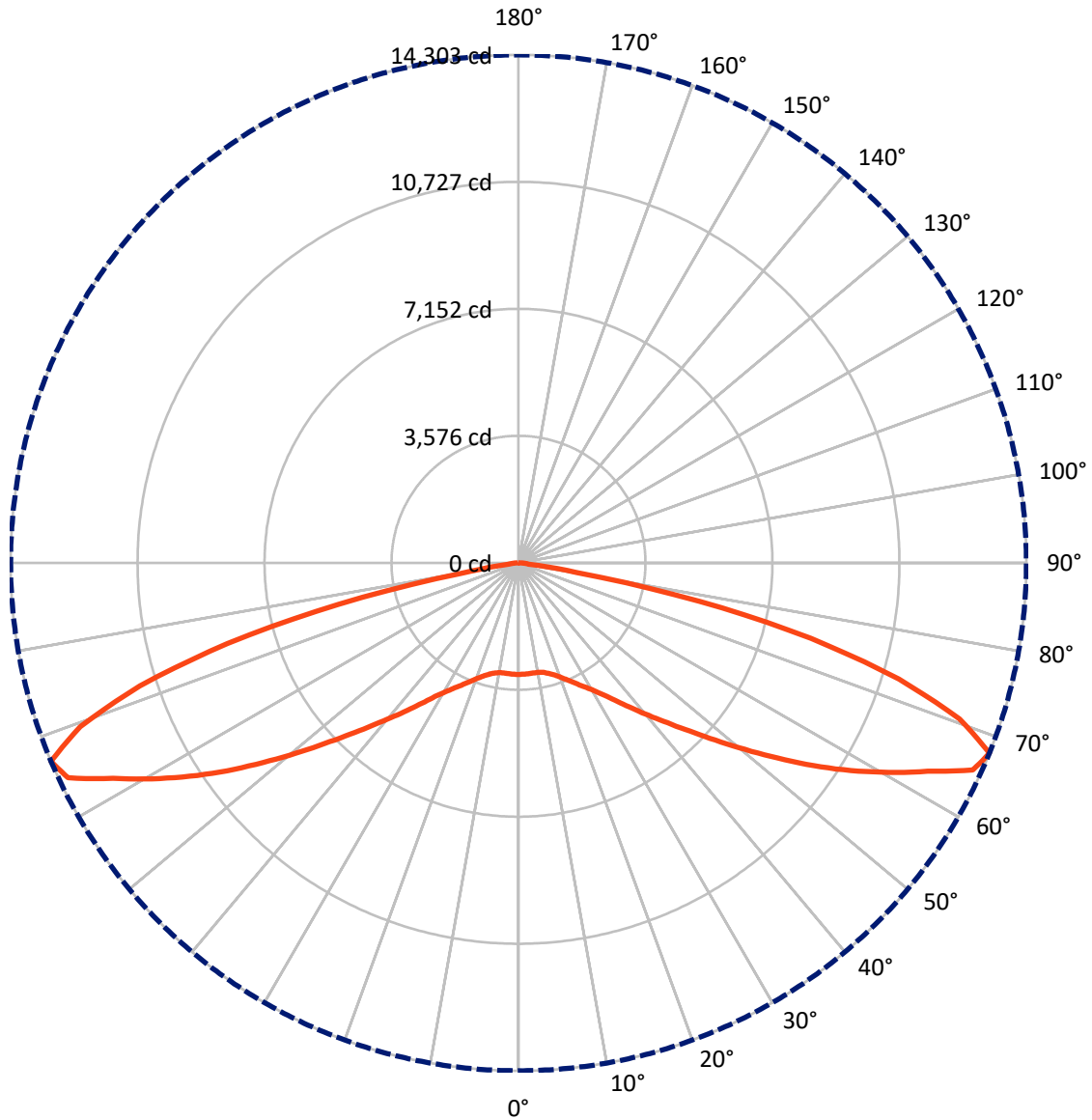
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.5 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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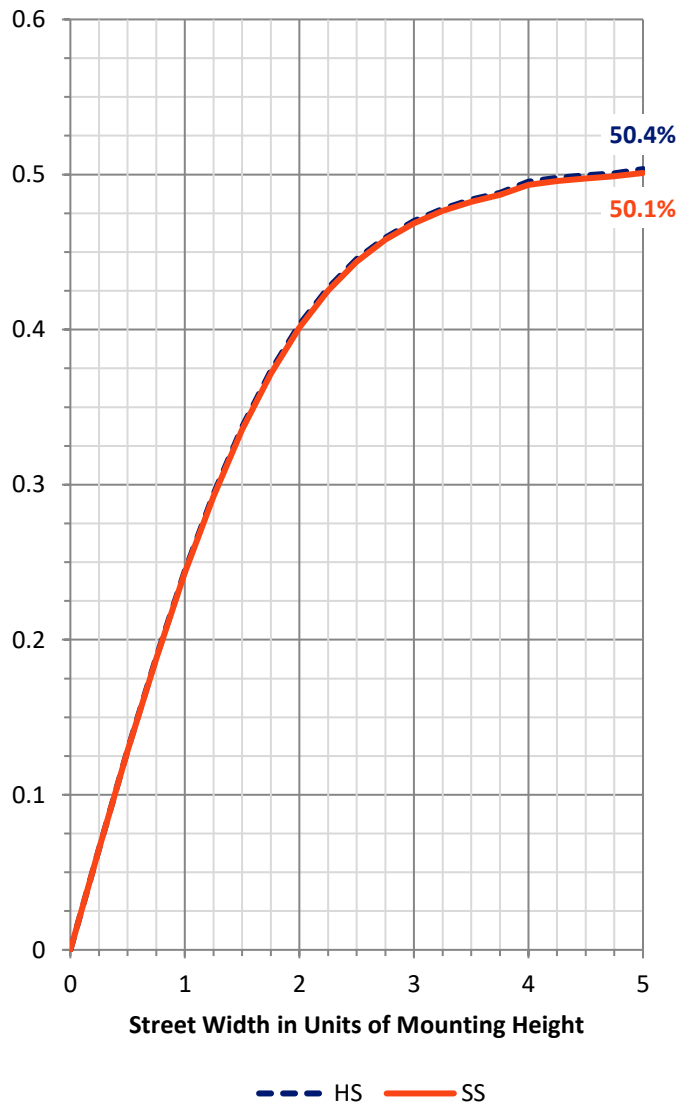
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21347.0	0.0	21347.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21347.0	0.0	21347.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42693.9	0.0	42693.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.2	0.7
10°-20°	927.1	2.2
20°-30°	1759.3	4.1
30°-40°	3055.8	7.2
40°-50°	5318.8	12.5
50°-60°	9086.6	21.3
60°-70°	13381.8	31.3
70°-80°	8506.6	19.9
80°-90°	358.8	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°	42693.9	100.0
0°-180°	42693.9	100.0

Coefficient of Utilization

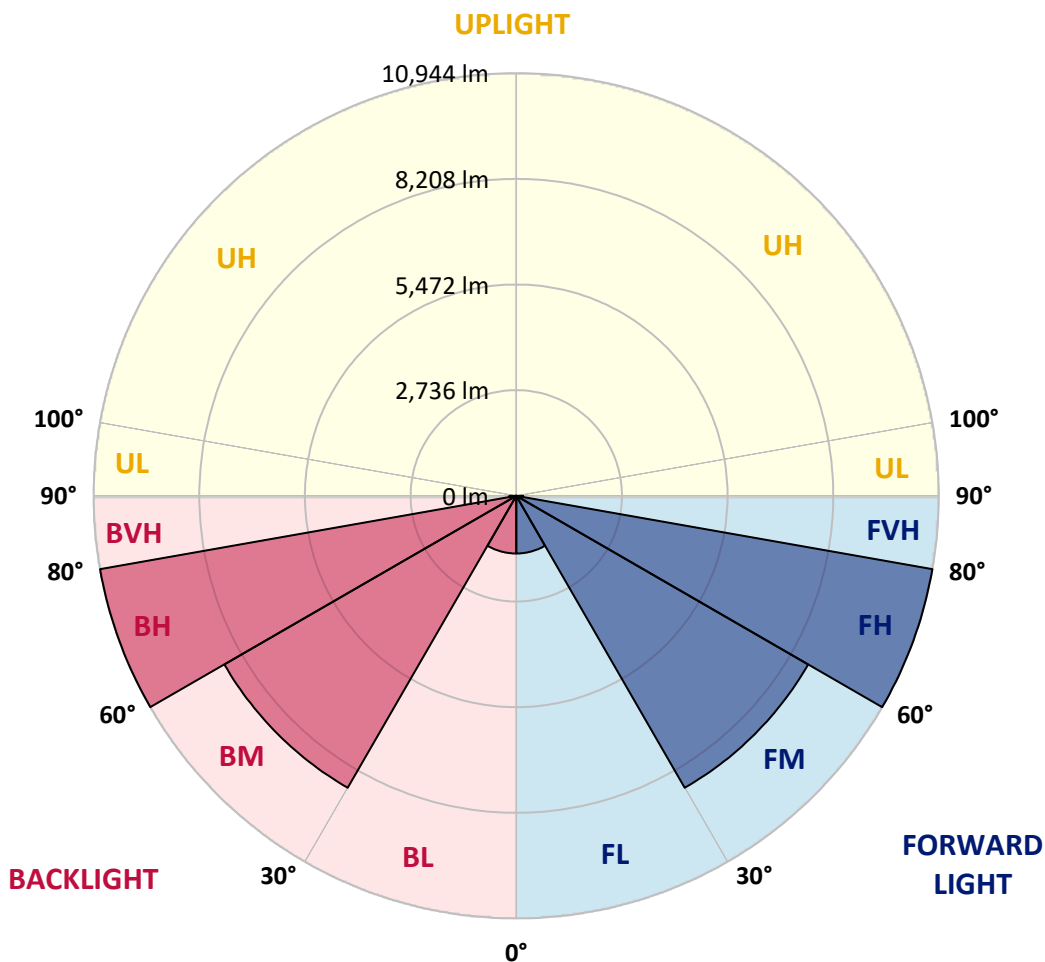


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1492.8	3.5			
FM (30°-60°)	8730.6	20.4			
FH (60°-80°)	10944.2	25.6			G4/12000
FVH (80°-90°)	179.4	0.4			G2/225
BL (0°-30°)	1492.8	3.5	B3/2500		
BM (30°-60°)	8730.6	20.4	B5		
BH (60°-80°)	10944.2	25.6	B5		G4/12000
BVH (80°-90°)	179.4	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°	3140.4
2.5°	3141.2
5°	3135.0
7.5°	3129.8
10°	3135.1
12.5°	3168.8
15°	3233.7
17.5°	3324.6
20°	3448.0
22.5°	3593.7
25°	3765.4
27.5°	3951.5
30°	4170.3
32.5°	4439.2
35°	4792.4
37.5°	5198.8
40°	5650.5
42.5°	6158.2
45°	6760.6
47.5°	7455.5
50°	8260.2
52.5°	9129.4
55°	10083.0
57.5°	11035.3
60°	11982.3
62.5°	12932.1
65°	14062.9
67.5°	14303.1
70°	13177.3
72.5°	11207.9
75°	8509.4
77.5°	5202.4
80°	1651.2
82.5°	280.3
85°	158.4
87.5°	57.3
90°	0.0

(END OF REPORT)