

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: P510514

Luminaire Tested: **CST-CA10-310-760-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510514
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-CA10-310-760-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (10) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51684.9 lumens
Efficiency: N/A
Efficacy: 165.4 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

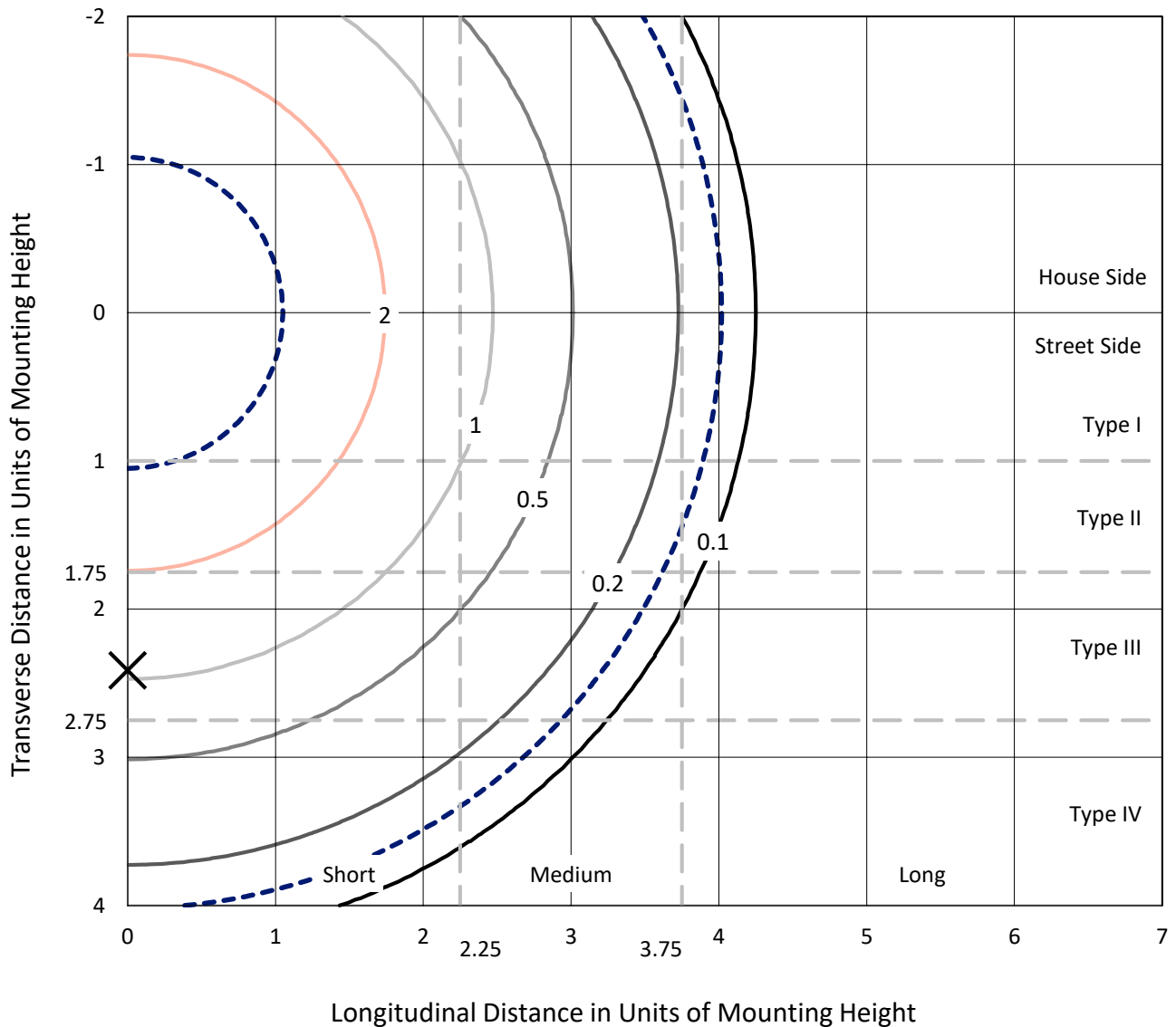
Input Watts (W): 312.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

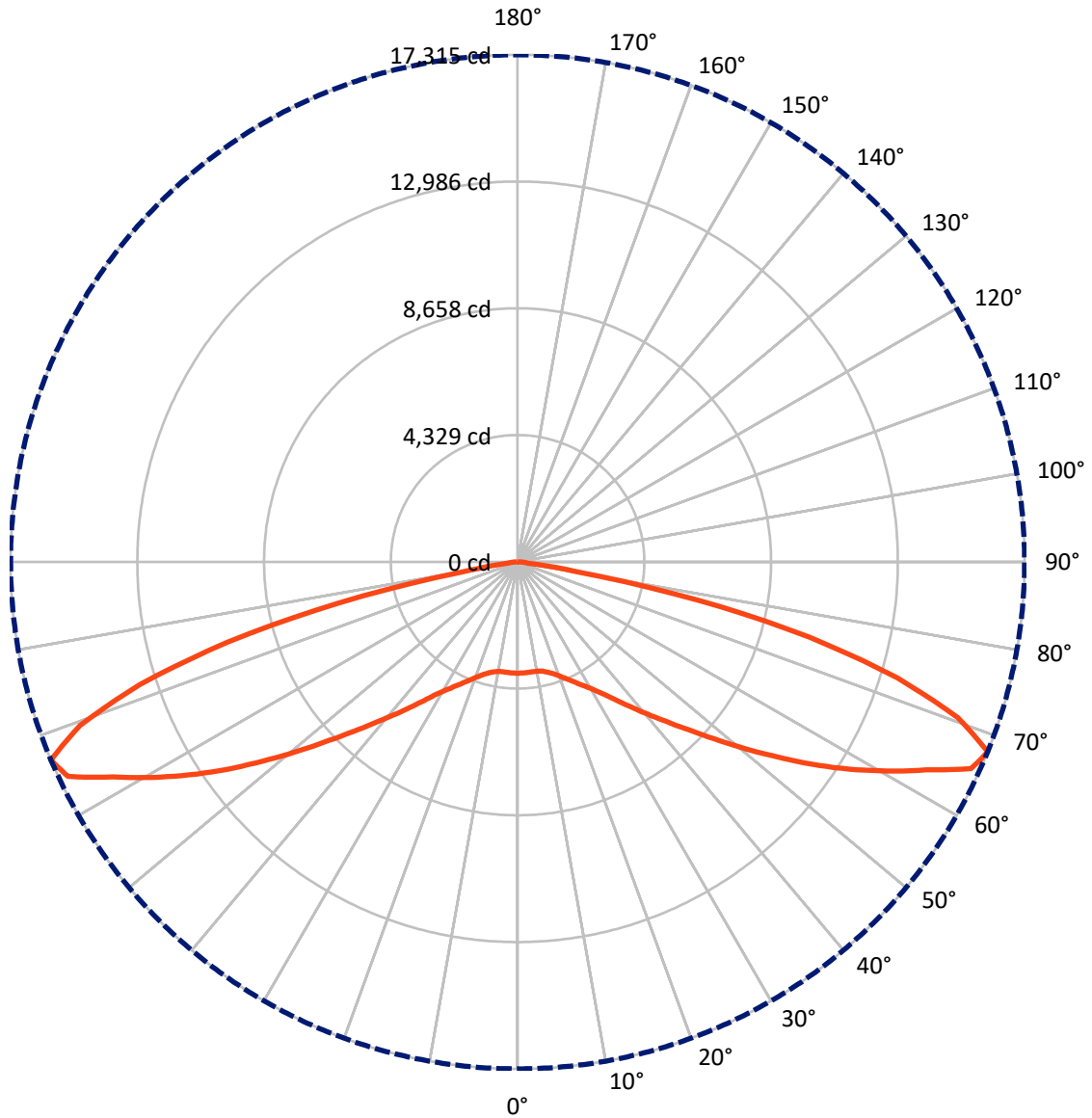
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.2 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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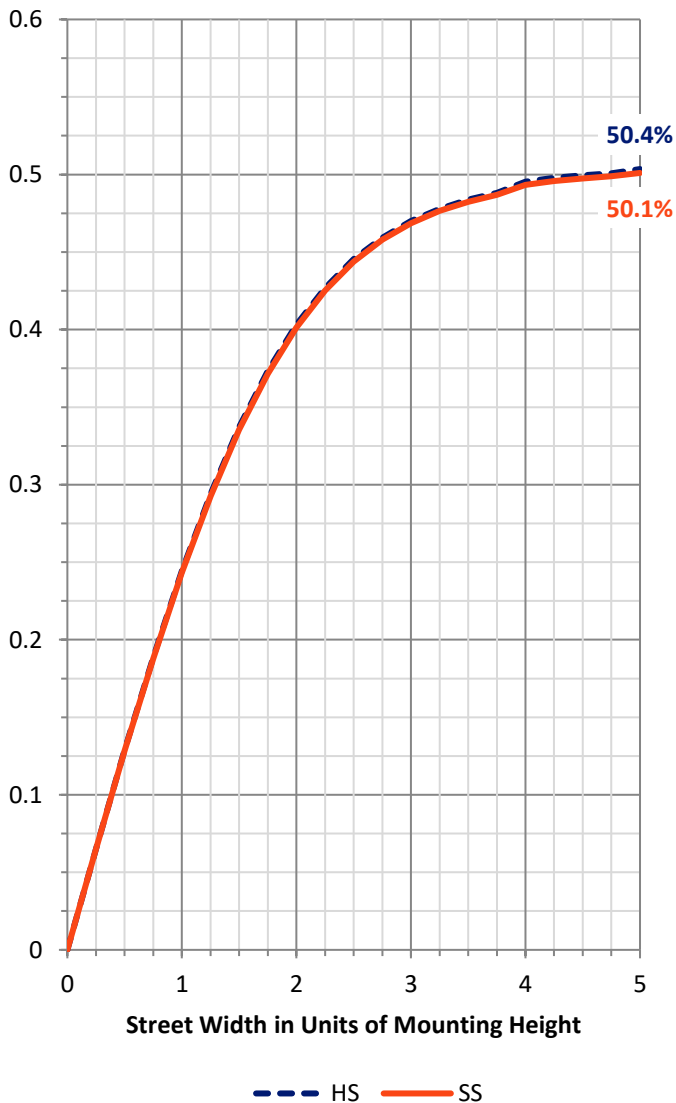
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25842.5	0.0	25842.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25842.5	0.0	25842.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51684.9	0.0	51684.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.2	0.7
10°-20°	1122.3	2.2
20°-30°	2129.9	4.1
30°-40°	3699.3	7.2
40°-50°	6438.9	12.5
50°-60°	11000.1	21.3
60°-70°	16199.9	31.3
70°-80°	10298.0	19.9
80°-90°	434.3	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°	51684.9	100.0
0°-180°	51684.9	100.0

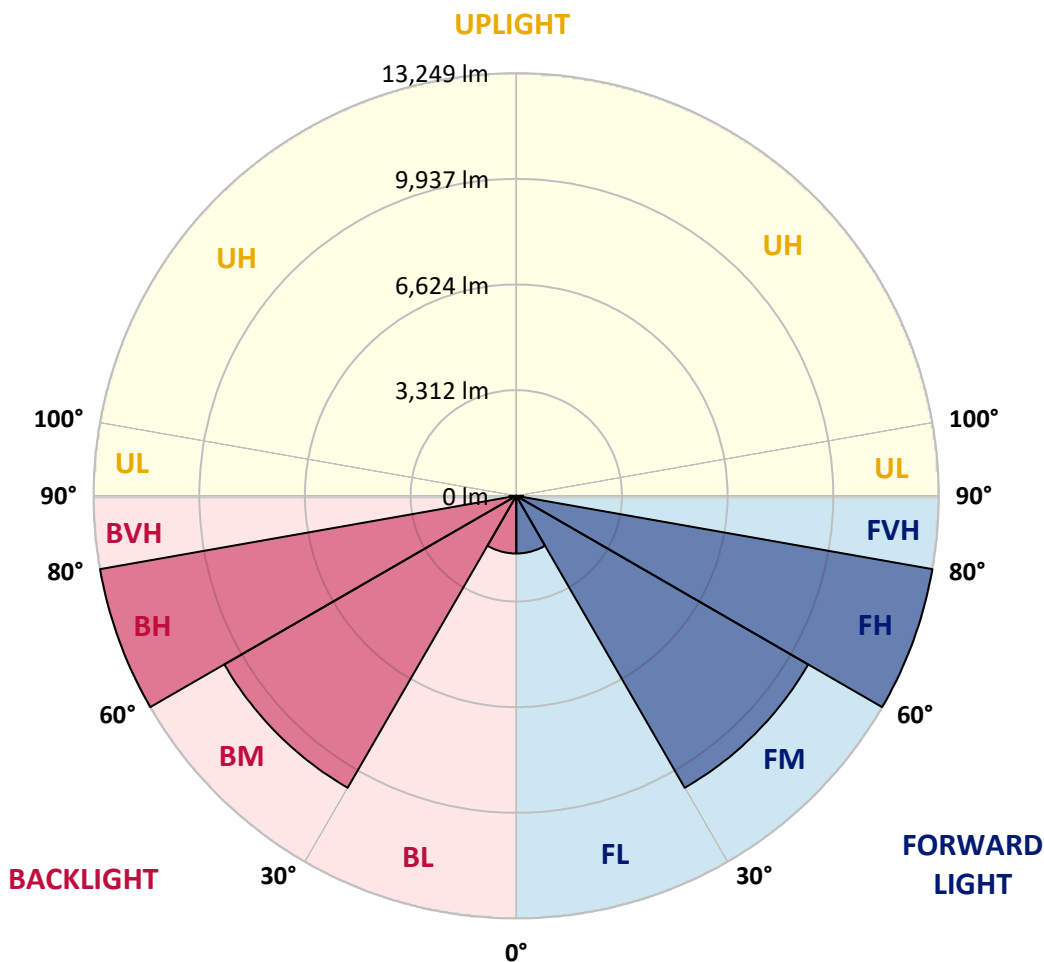


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1807.2	3.5			
FM (30°-60°)	10569.2	20.4			
FH (60°-80°)	13249.0	25.6			G5
FVH (80°-90°)	217.2	0.4			G2/225
BL (0°-30°)	1807.2	3.5	B3/2500		
BM (30°-60°)	10569.2	20.4	B5		
BH (60°-80°)	13249.0	25.6	B5		G5
BVH (80°-90°)	217.2	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-G5
 Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3801.7
2.5°	3802.7
5°	3795.2
7.5°	3788.9
10°	3795.3
12.5°	3836.1
15°	3914.7
17.5°	4024.7
20°	4174.1
22.5°	4350.5
25°	4558.4
27.5°	4783.7
30°	5048.6
32.5°	5374.1
35°	5801.6
37.5°	6293.6
40°	6840.5
42.5°	7455.0
45°	8184.4
47.5°	9025.5
50°	9999.8
52.5°	11052.0
55°	12206.4
57.5°	13359.3
60°	14505.7
62.5°	15655.5
65°	17024.4
67.5°	17315.2
70°	15952.4
72.5°	13568.2
75°	10301.4
77.5°	6297.9
80°	1999.0
82.5°	339.3
85°	191.7
87.5°	69.4
90°	0.0

(END OF REPORT)