

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: P510554

Luminaire Tested: **CST-CA10-630-740-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510554
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-CA10-630-740-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (10) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 98748 lumens
Efficiency: N/A
Efficacy: 156.4 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

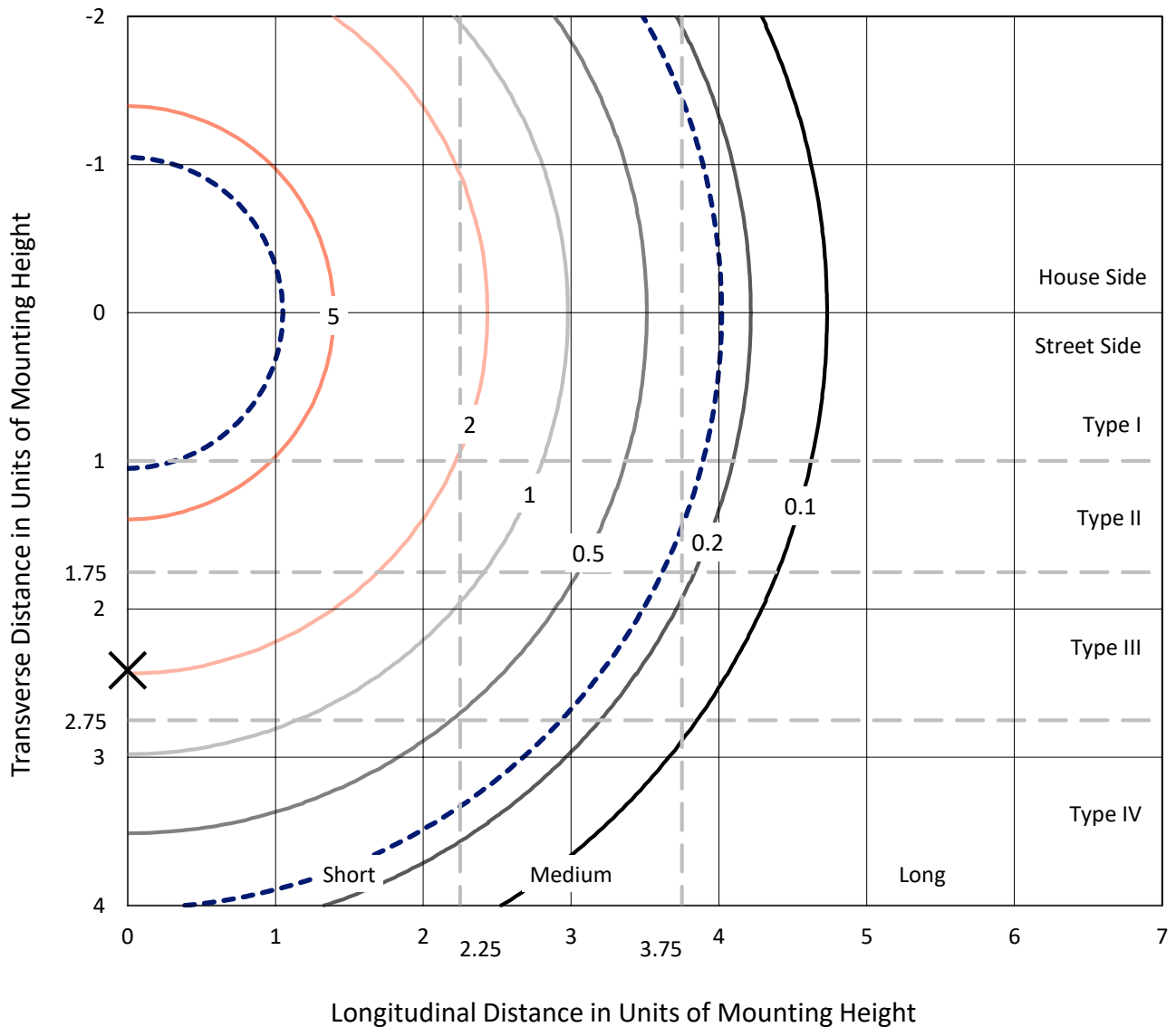
Input Watts (W): 631.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

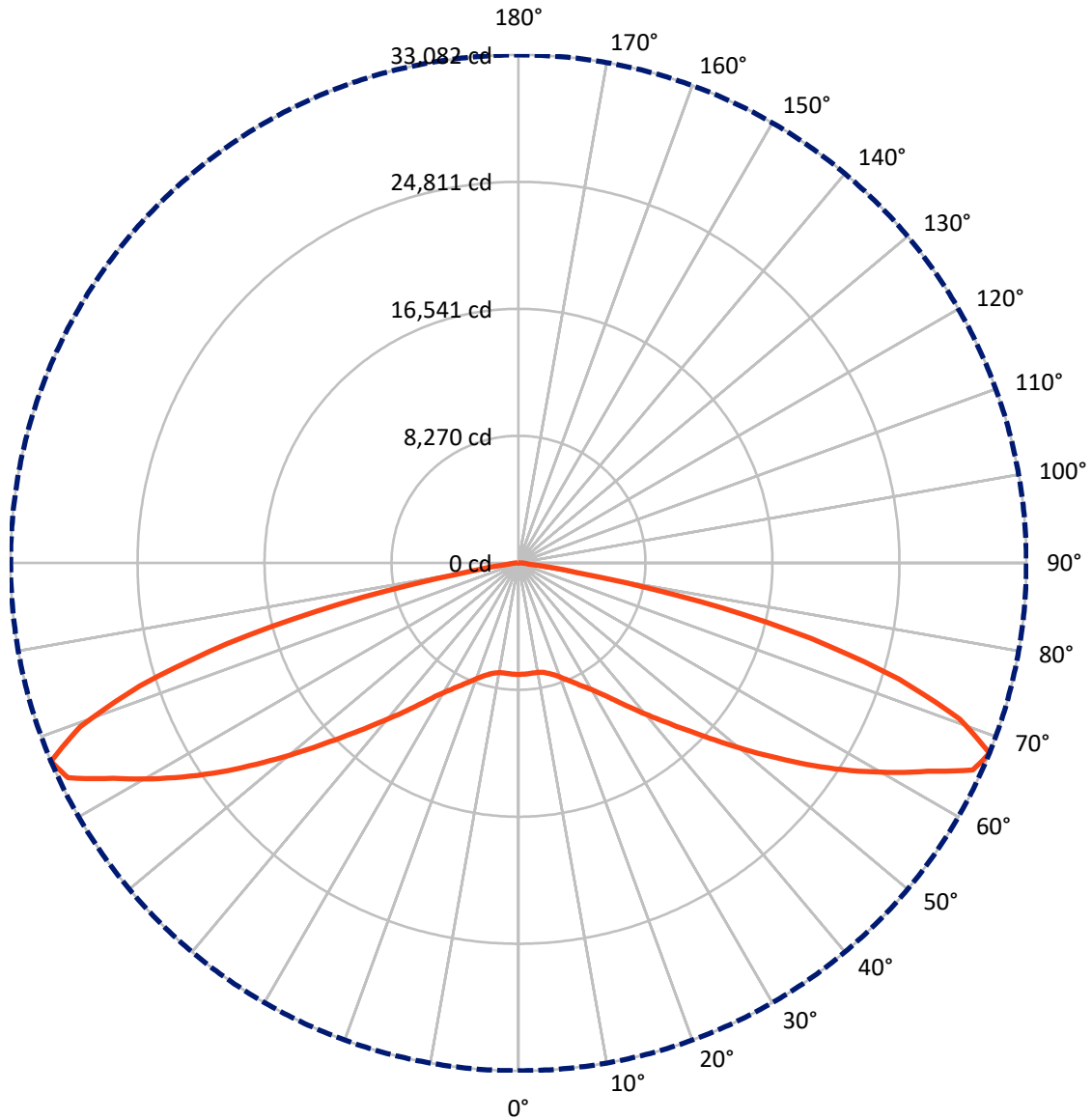
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.1 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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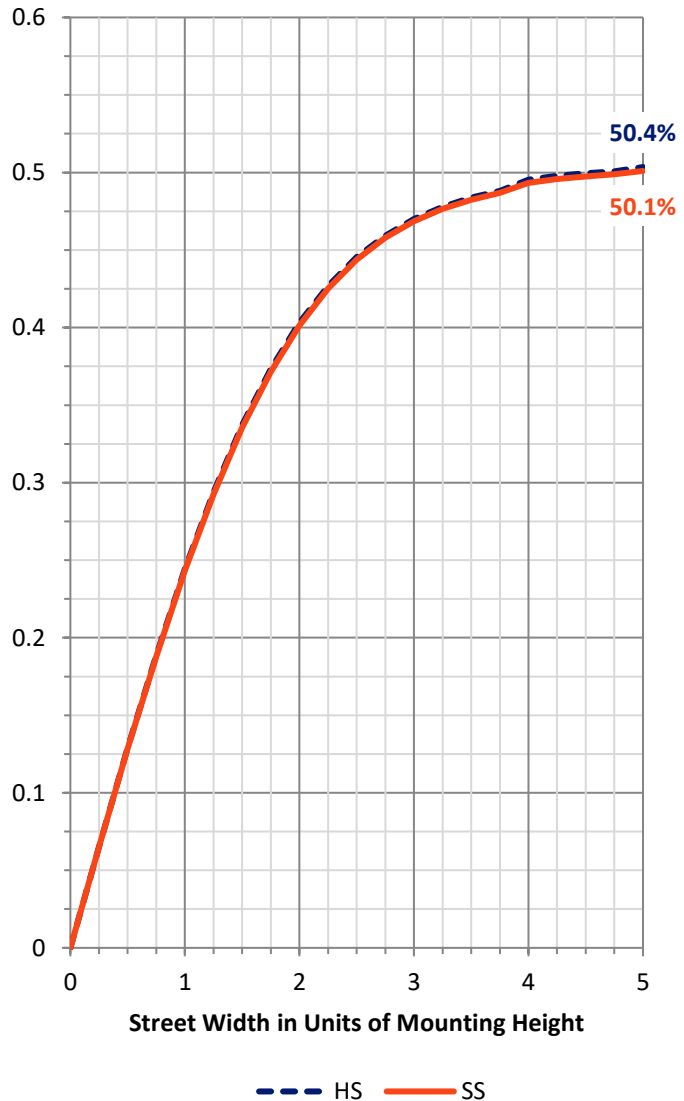
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49374.0	0.0	49374.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	49374.0	0.0	49374.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	98748.0	0.0	98748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	691.9	0.7
10°-20°	2144.3	2.2
20°-30°	4069.3	4.1
30°-40°	7067.8	7.2
40°-50°	12302.0	12.5
50°-60°	21016.6	21.3
60°-70°	30951.2	31.3
70°-80°	19675.1	19.9
80°-90°	829.9	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°	98748.0	100.0
0°-180°	98748.0	100.0

Coefficient of Utilization

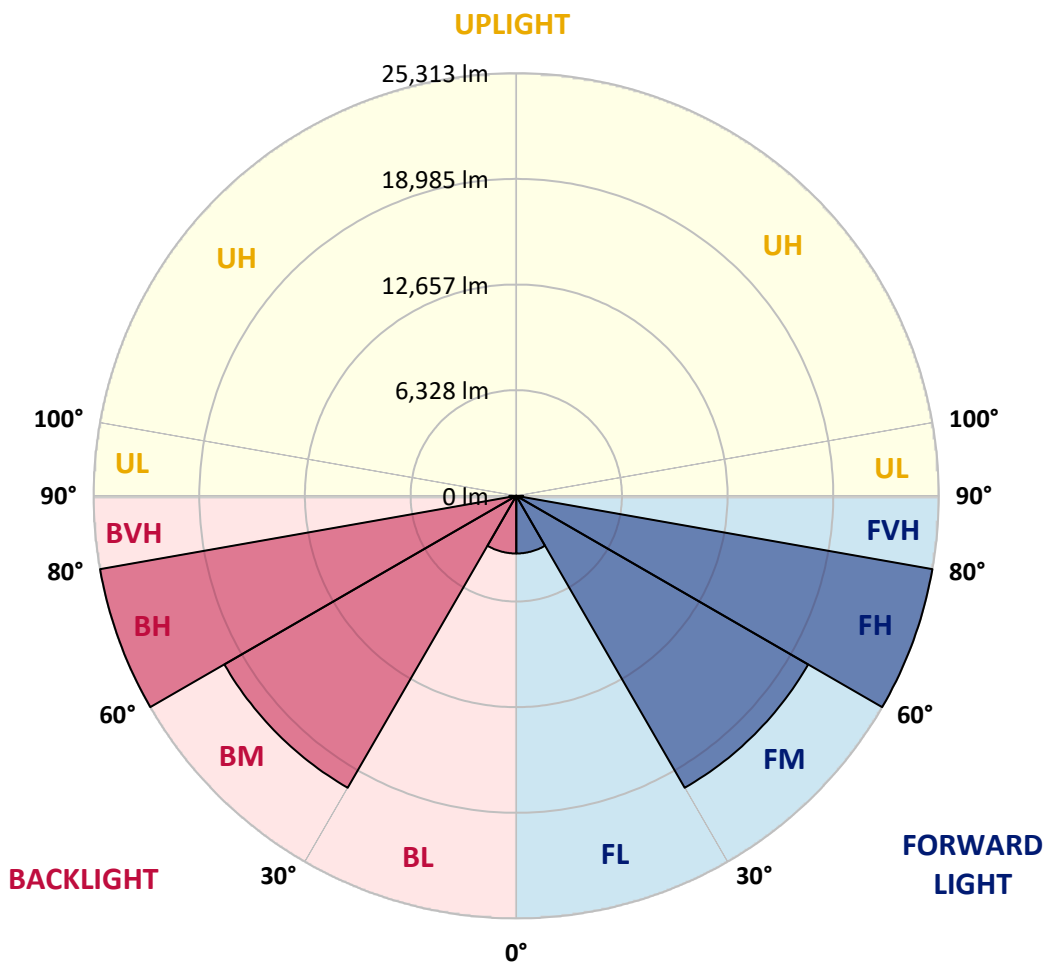


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3452.7	3.5			
FM (30°-60°)	20193.2	20.4			
FH (60°-80°)	25313.2	25.6			G5
FVH (80°-90°)	414.9	0.4			G3/500
BL (0°-30°)	3452.7	3.5	B4/5000		
BM (30°-60°)	20193.2	20.4	B5		
BH (60°-80°)	25313.2	25.6	B5		G5
BVH (80°-90°)	414.9	0.4			G3/500
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°	7263.5
2.5°	7265.4
5°	7251.0
7.5°	7239.0
10°	7251.1
12.5°	7329.1
15°	7479.4
17.5°	7689.6
20°	7975.0
22.5°	8312.0
25°	8709.2
27.5°	9139.6
30°	9645.7
32.5°	10267.6
35°	11084.4
37.5°	12024.5
40°	13069.2
42.5°	14243.4
45°	15636.8
47.5°	17243.9
50°	19105.3
52.5°	21115.7
55°	23321.3
57.5°	25523.9
60°	27714.2
62.5°	29911.1
65°	32526.5
67.5°	33081.9
70°	30478.2
72.5°	25923.1
75°	19681.7
77.5°	12032.7
80°	3819.2
82.5°	648.3
85°	366.3
87.5°	132.6
90°	0.0

(END OF REPORT)