

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: P510604

Luminaire Tested: **CST-CA10-760-730-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510604
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-CA10-760-730-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (10) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 111945.1 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

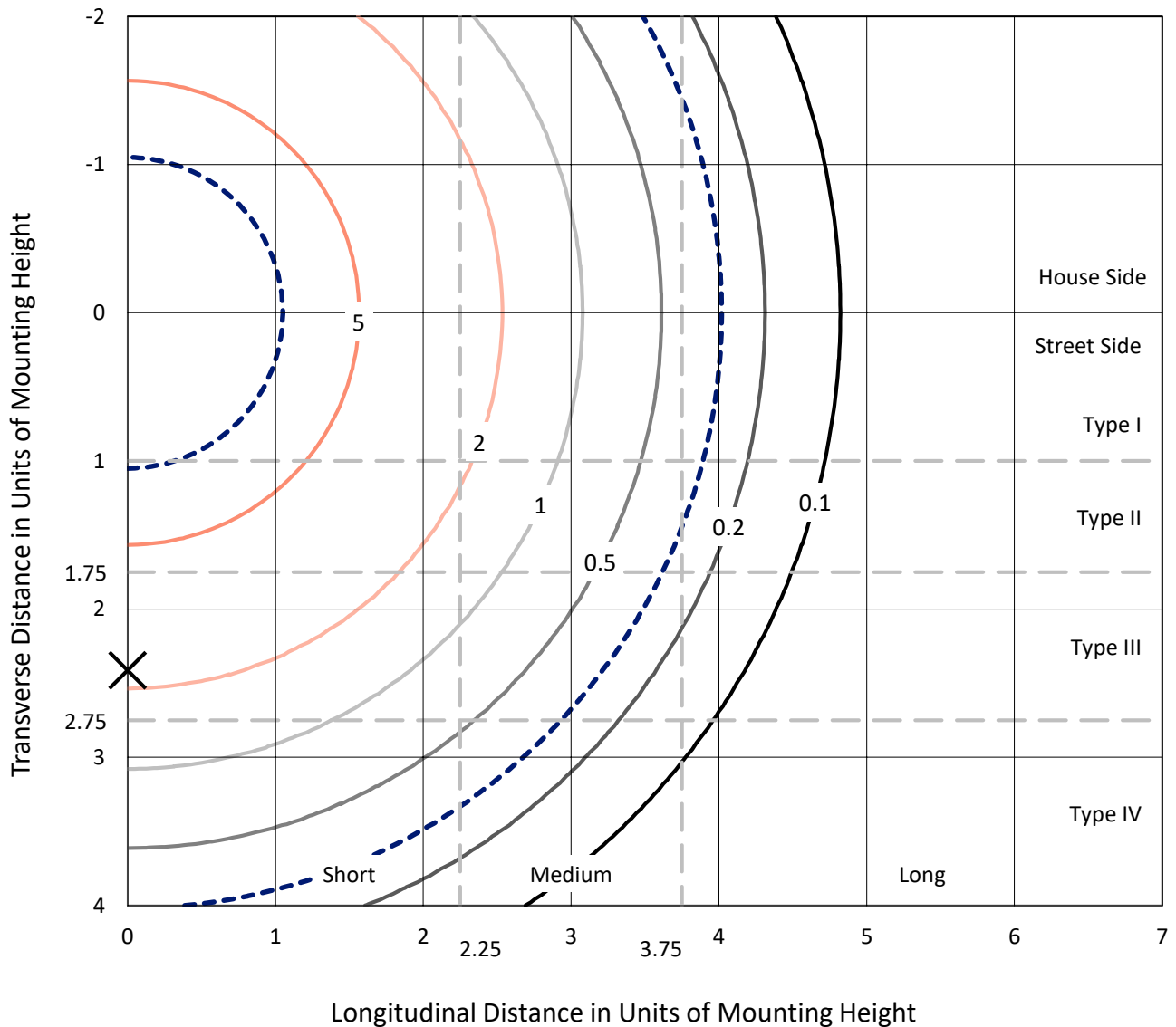
Input Watts (W): 761.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

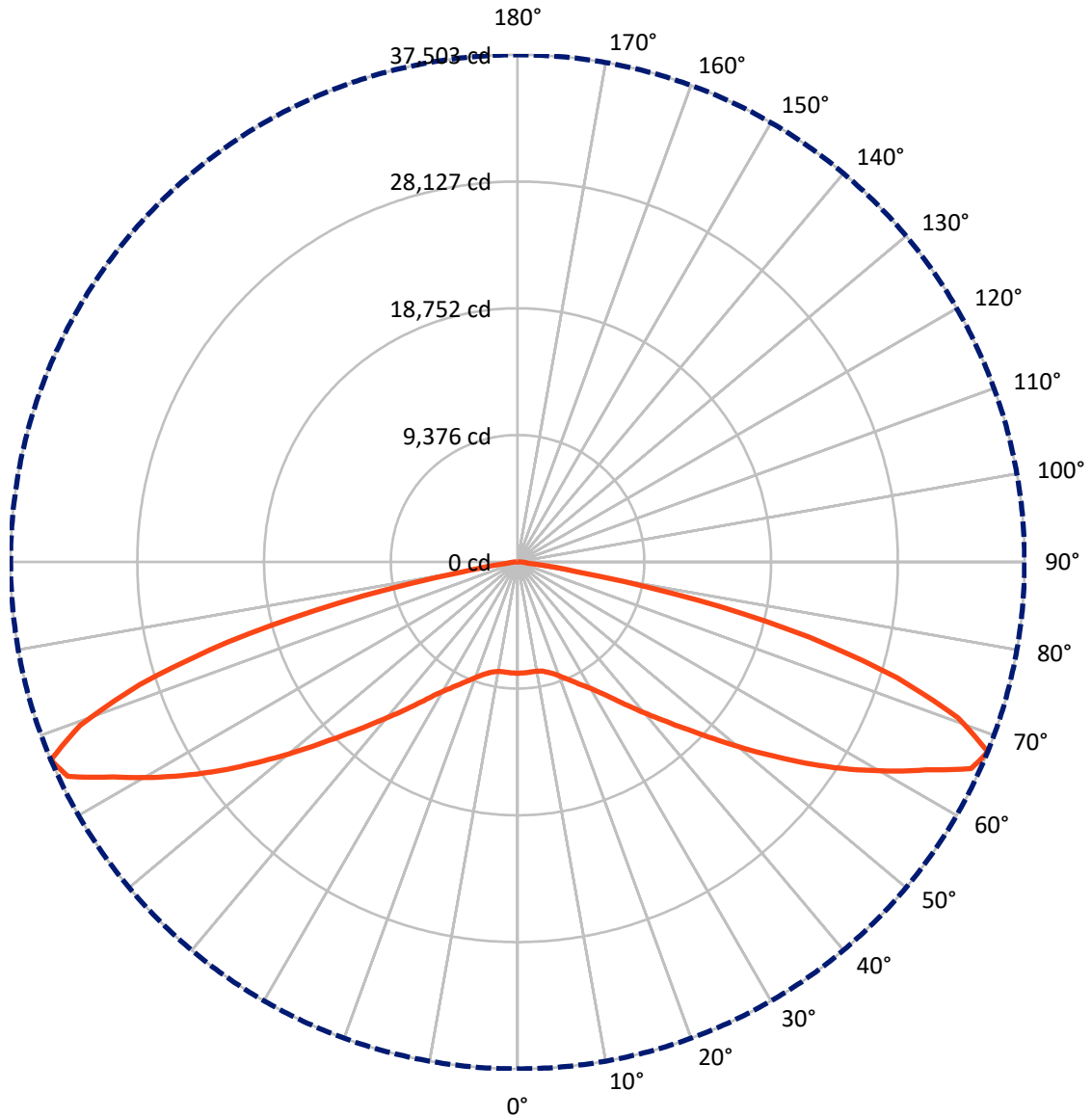
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.1 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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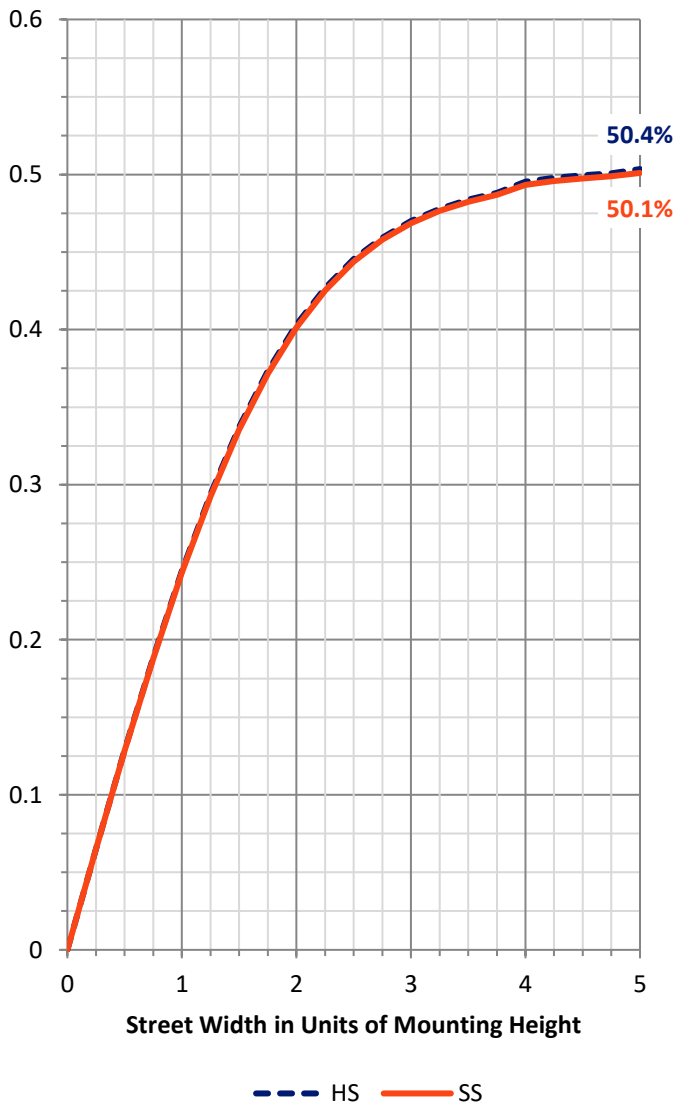
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	55972.5	0.0	55972.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	55972.5	0.0	55972.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	111945.1	0.0	111945.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	784.4	0.7
10°-20°	2430.9	2.2
20°-30°	4613.1	4.1
30°-40°	8012.3	7.2
40°-50°	13946.1	12.5
50°-60°	23825.3	21.3
60°-70°	35087.6	31.3
70°-80°	22304.6	19.9
80°-90°	940.8	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°	111945.1	100.0
0°-180°	111945.1	100.0



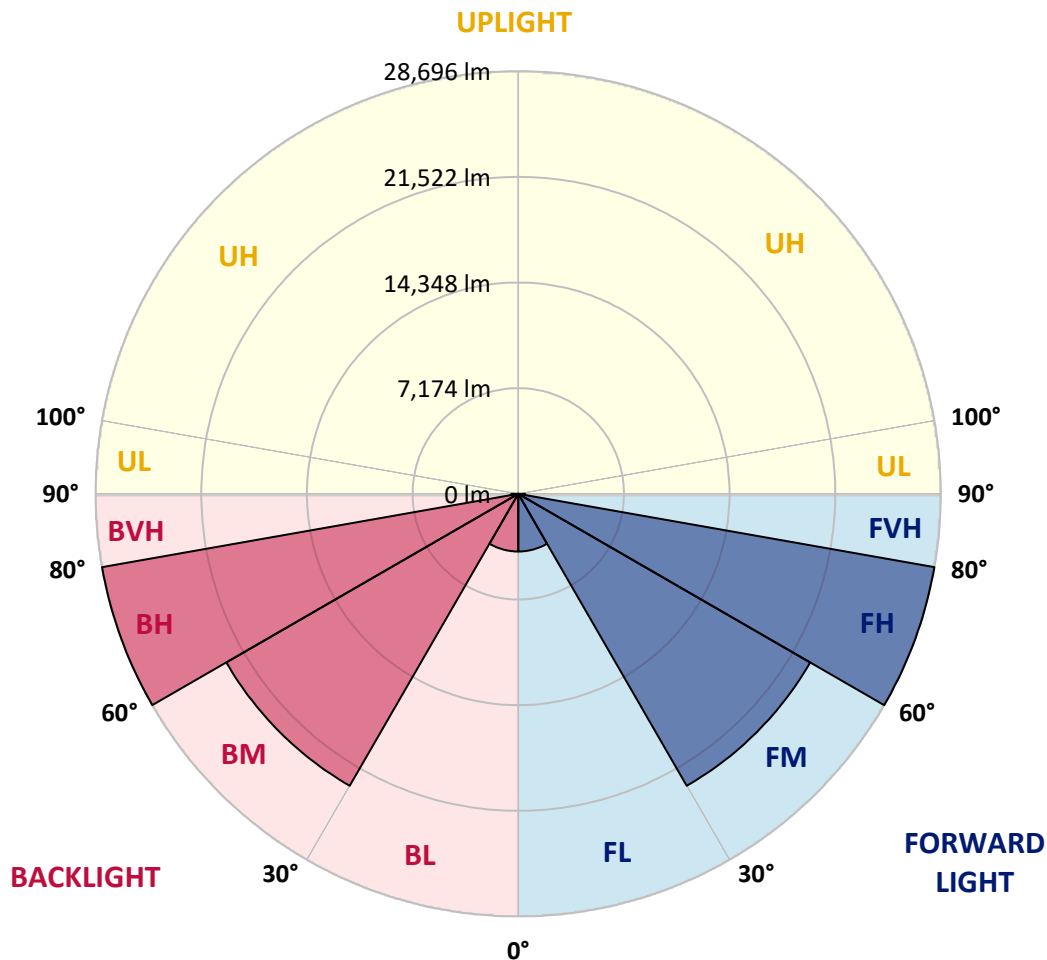
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3914.2	3.5			
FM (30°-60°)	22891.9	20.4			
FH (60°-80°)	28696.1	25.6			G5
FVH (80°-90°)	470.4	0.4			G3/500
BL (0°-30°)	3914.2	3.5	B4/5000		
BM (30°-60°)	22891.9	20.4	B5		
BH (60°-80°)	28696.1	25.6	B5		G5
BVH (80°-90°)	470.4	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°	8234.2
2.5°	8236.3
5°	8220.0
7.5°	8206.4
10°	8220.2
12.5°	8308.6
15°	8478.9
17.5°	8717.2
20°	9040.8
22.5°	9422.9
25°	9873.1
27.5°	10361.0
30°	10934.8
32.5°	11639.8
35°	12565.7
37.5°	13631.4
40°	14815.9
42.5°	16146.9
45°	17726.6
47.5°	19548.5
50°	21658.6
52.5°	23937.7
55°	26438.0
57.5°	28935.0
60°	31418.1
62.5°	33908.5
65°	36873.4
67.5°	37503.1
70°	34551.4
72.5°	29387.6
75°	22312.0
77.5°	13640.8
80°	4329.6
82.5°	735.0
85°	415.3
87.5°	150.3
90°	0.0

(END OF REPORT)