

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: P510594

Luminaire Tested: **CST-CA10-760-727-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510594
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-CA10-760-727-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (10) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 96543 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

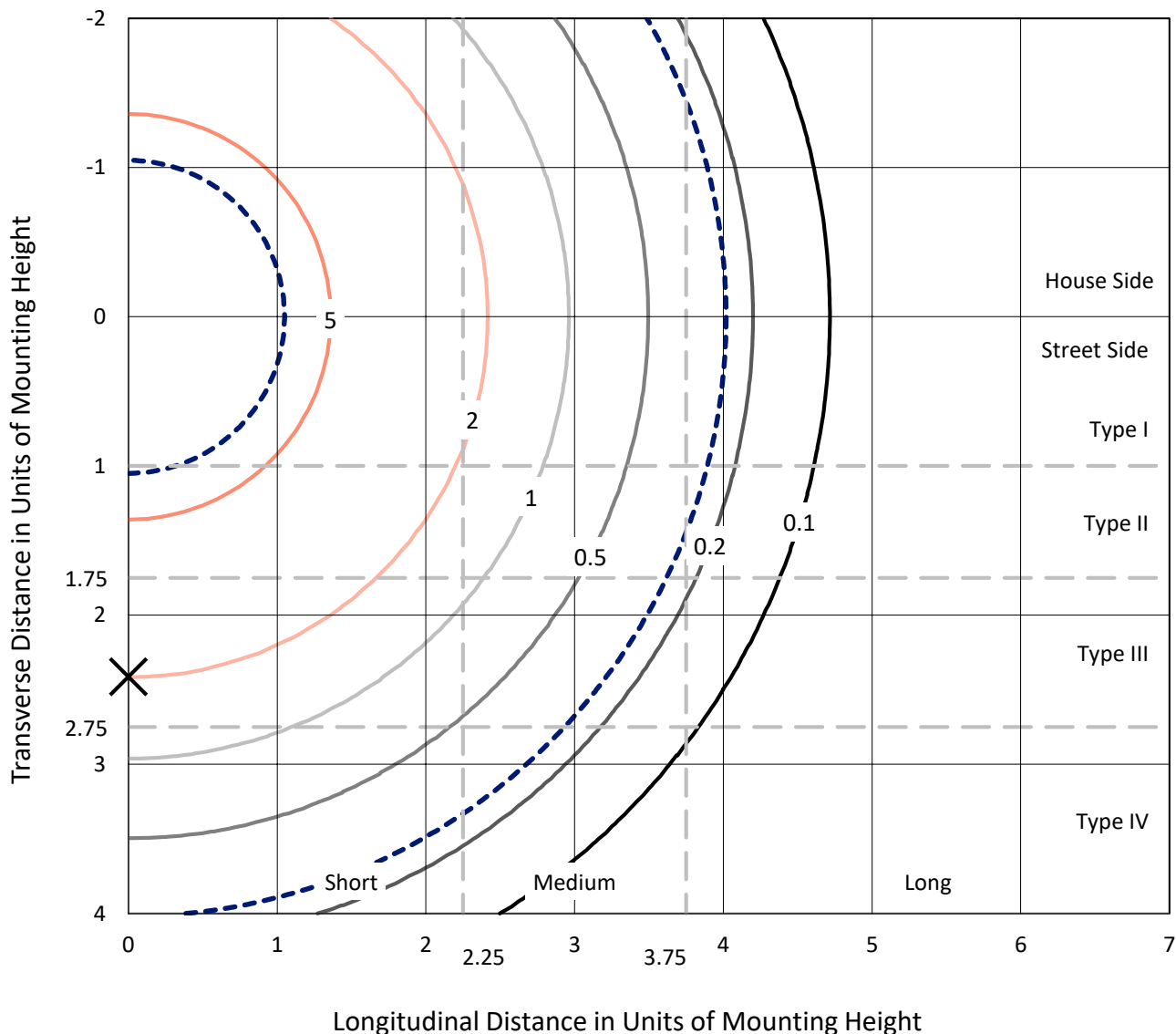
Input Watts (W): 761.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

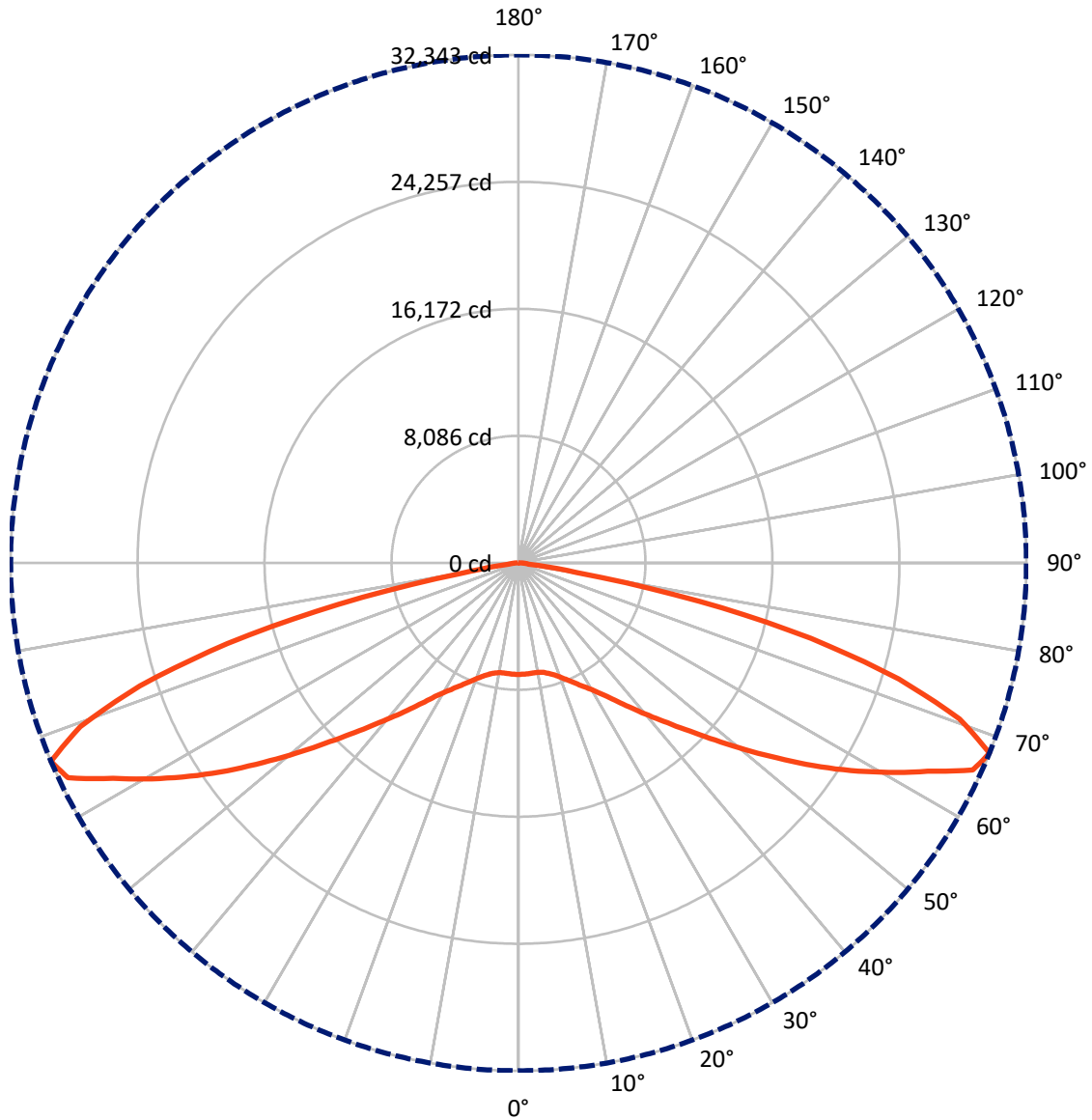
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.9 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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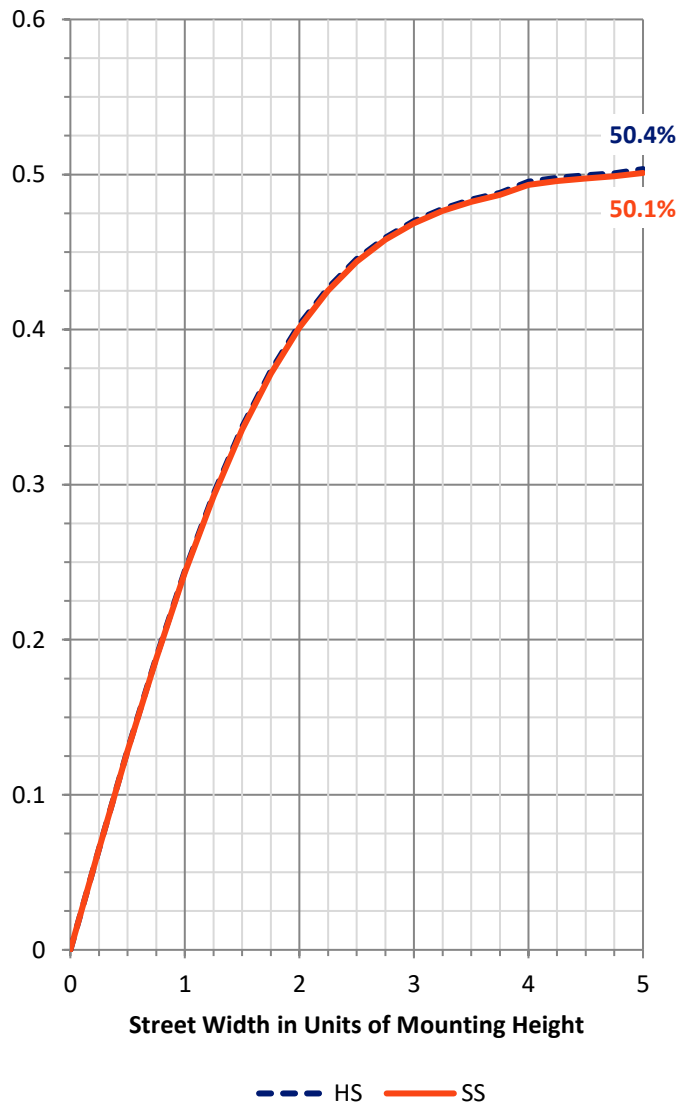
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	48271.5	0.0	48271.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	48271.5	0.0	48271.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	96543.0	0.0	96543.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.5	0.7
10°-20°	2096.4	2.2
20°-30°	3978.4	4.1
30°-40°	6909.9	7.2
40°-50°	12027.3	12.5
50°-60°	20547.3	21.3
60°-70°	30260.1	31.3
70°-80°	19235.8	19.9
80°-90°	811.3	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°	96543.0	100.0
0°-180°	96543.0	100.0

Coefficient of Utilization

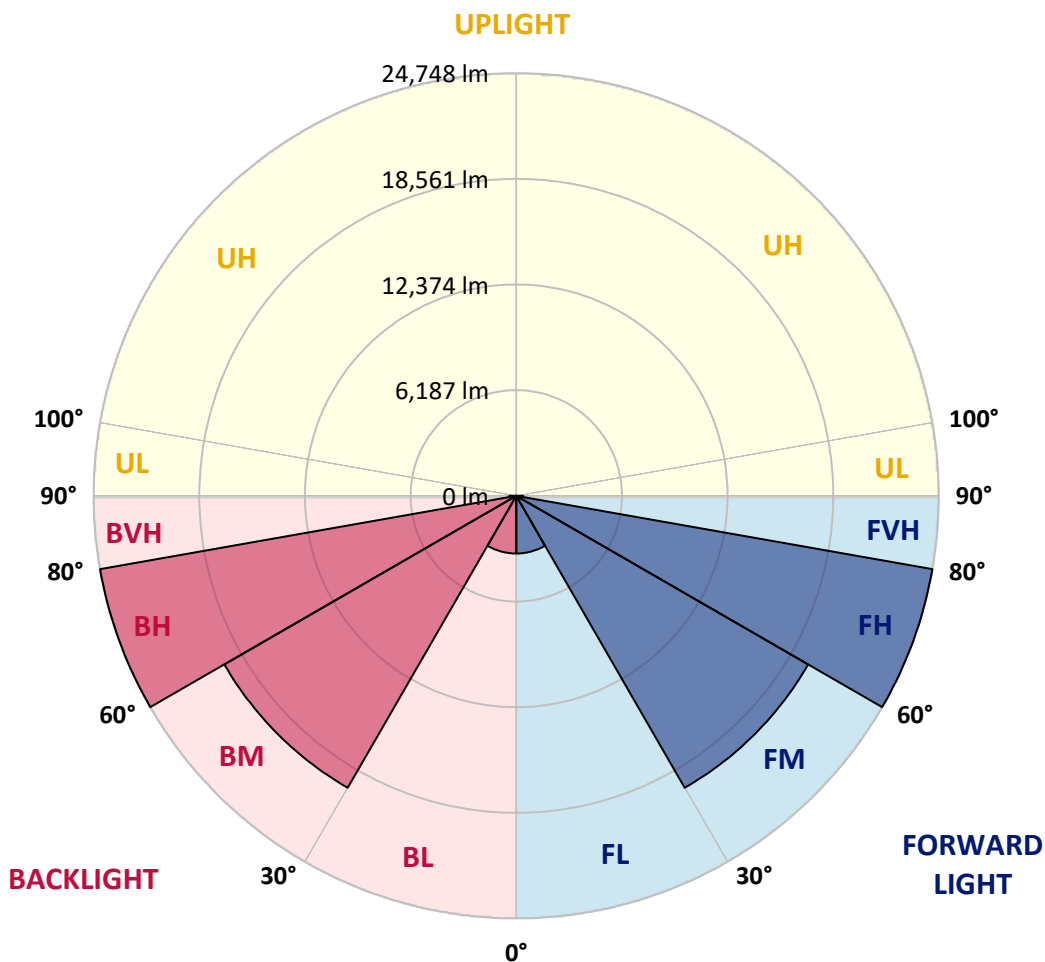


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3375.6	3.5			
FM (30°-60°)	19742.3	20.4			
FH (60°-80°)	24747.9	25.6			G5
FVH (80°-90°)	405.7	0.4			G3/500
BL (0°-30°)	3375.6	3.5	B4/5000		
BM (30°-60°)	19742.3	20.4	B5		
BH (60°-80°)	24747.9	25.6	B5		G5
BVH (80°-90°)	405.7	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°	7101.3
2.5°	7103.1
5°	7089.1
7.5°	7077.3
10°	7089.2
12.5°	7165.4
15°	7312.3
17.5°	7517.9
20°	7796.9
22.5°	8126.4
25°	8514.7
27.5°	8935.5
30°	9430.3
32.5°	10038.3
35°	10836.9
37.5°	11756.0
40°	12777.4
42.5°	13925.3
45°	15287.7
47.5°	16858.9
50°	18678.7
52.5°	20644.2
55°	22800.5
57.5°	24954.0
60°	27095.4
62.5°	29243.2
65°	31800.2
67.5°	32343.2
70°	29797.6
72.5°	25344.3
75°	19242.2
77.5°	11764.0
80°	3733.9
82.5°	633.8
85°	358.1
87.5°	129.7
90°	0.0

(END OF REPORT)