

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: P510614

Luminaire Tested: **CST-CA10-760-740-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510614
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-CA10-760-740-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: 114009 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

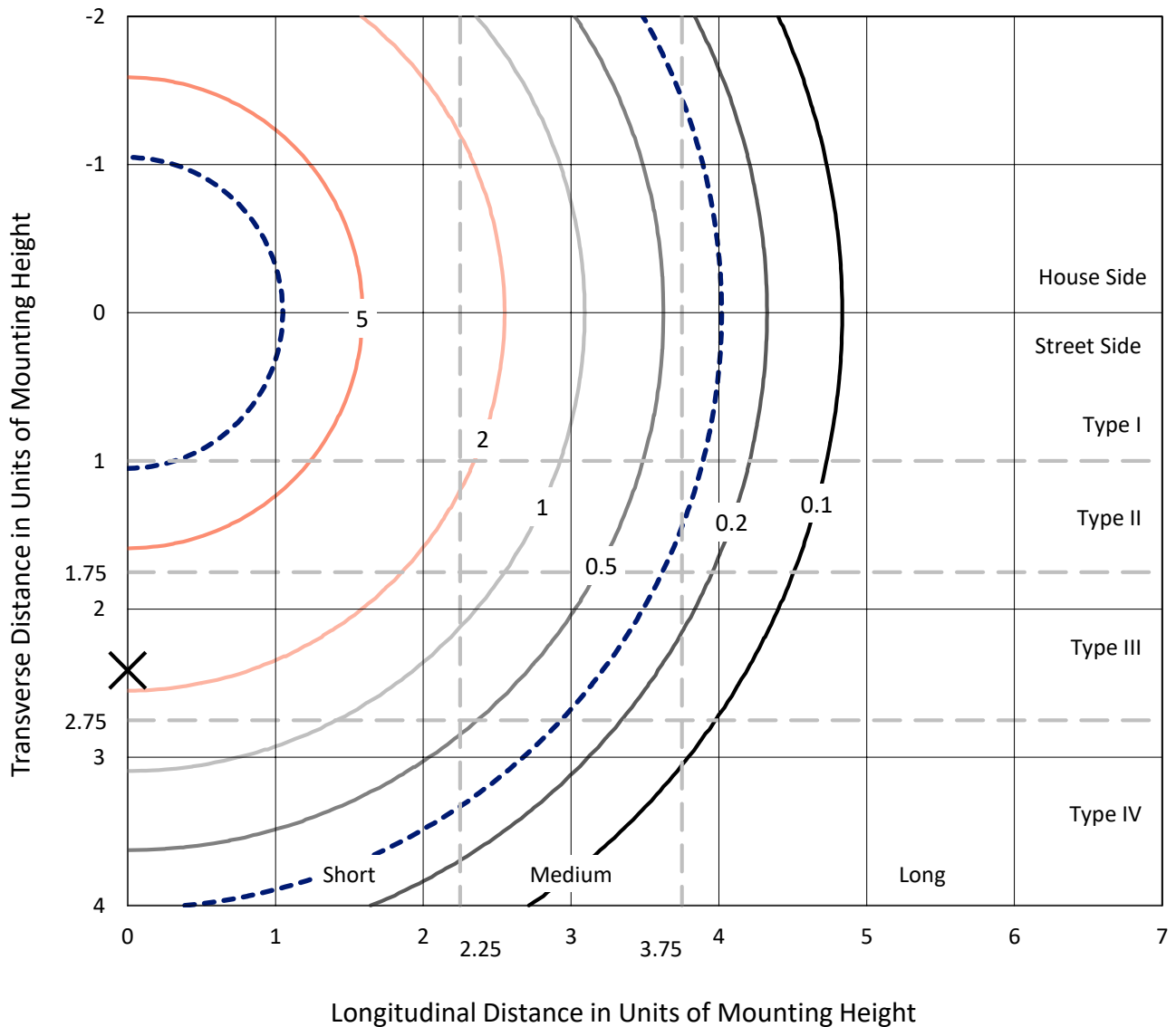
Input Watts (W): 761.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510614
 CATALOG NUMBER: CST-CA10-760-740-U-T5R

Iso-Footcandle Lines of Horizontal Illumination

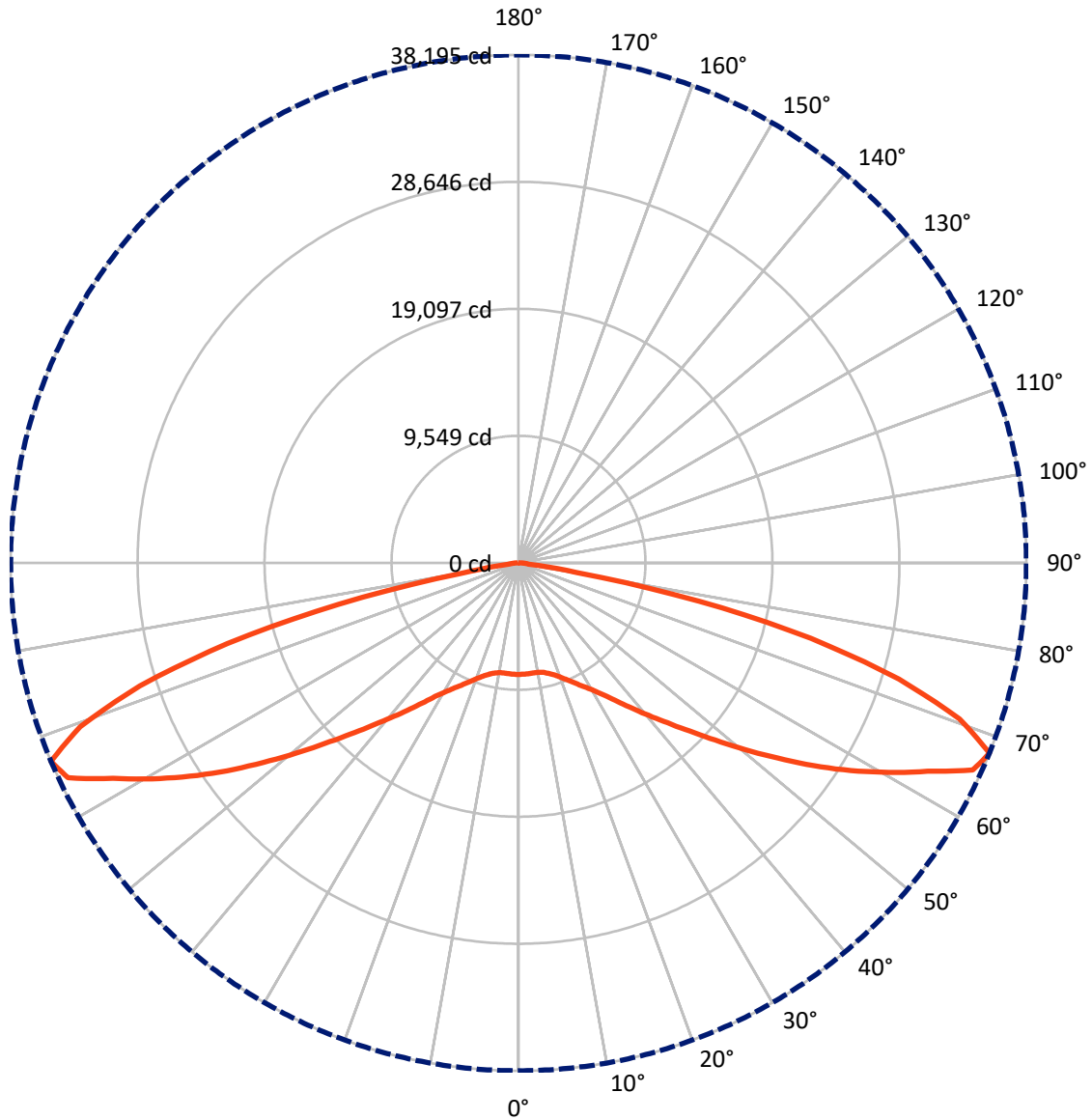
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.3 fc
 Type V - Short - N/A

REPORT NUMBER: P510614
CATALOG NUMBER: CST-CA10-760-740-U-T5R

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P510614
 CATALOG NUMBER: CST-CA10-760-740-U-T5R

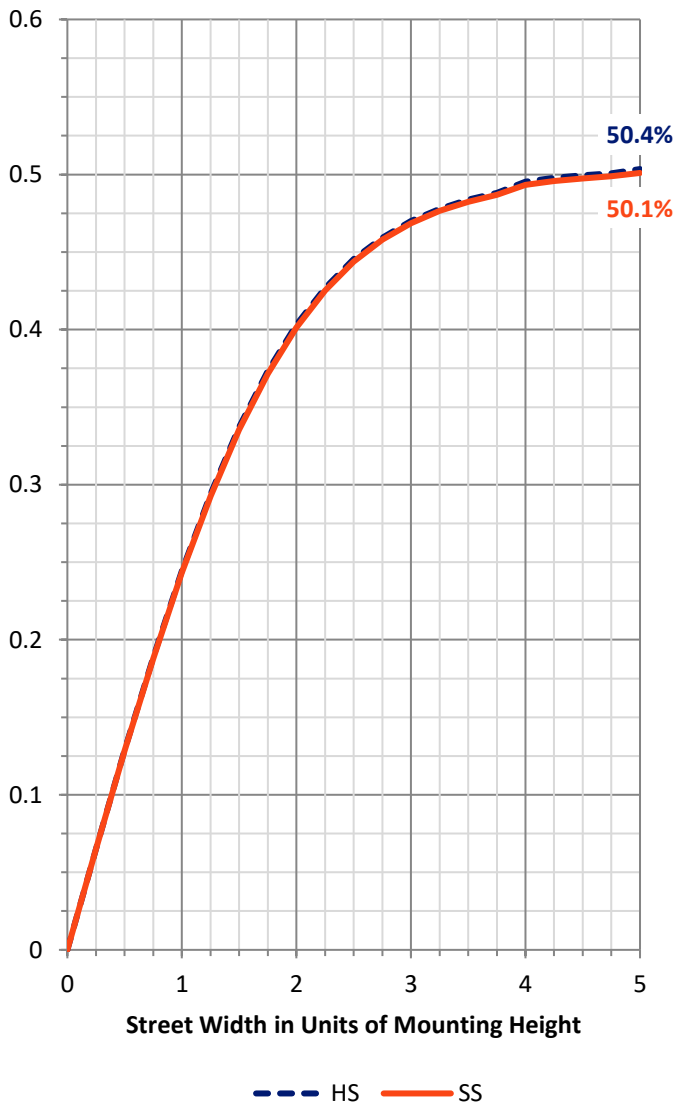
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57004.5	0.0	57004.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	57004.5	0.0	57004.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	114009.0	0.0	114009.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.9	0.7
10°-20°	2475.7	2.2
20°-30°	4698.1	4.1
30°-40°	8160.0	7.2
40°-50°	14203.2	12.5
50°-60°	24264.6	21.3
60°-70°	35734.6	31.3
70°-80°	22715.8	19.9
80°-90°	958.1	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°	114009.0	100.0
0°-180°	114009.0	100.0

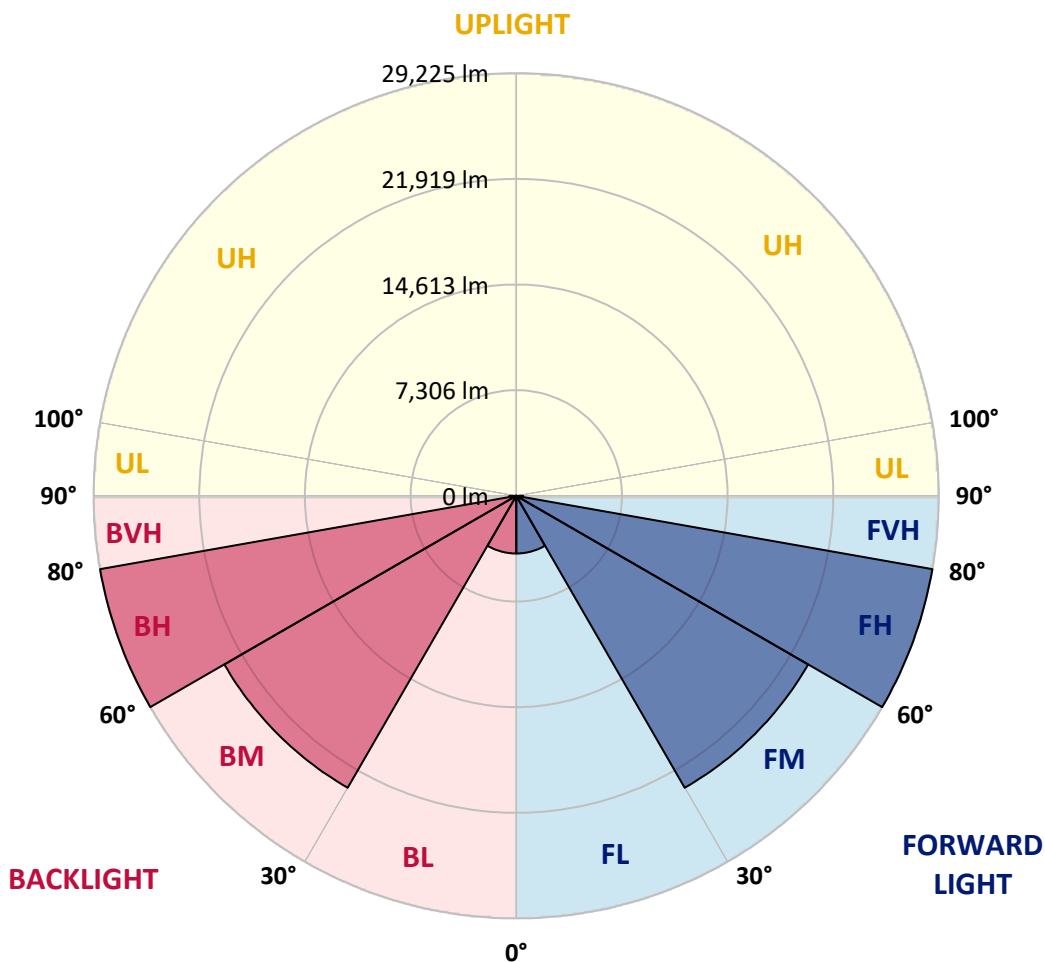


REPORT NUMBER: P510614
 CATALOG NUMBER: CST-CA10-760-740-U-T5R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3986.3	3.5			
FM (30°-60°)	23313.9	20.4			
FH (60°-80°)	29225.2	25.6			G5
FVH (80°-90°)	479.1	0.4			G3/500
BL (0°-30°)	3986.3	3.5	B4/5000		
BM (30°-60°)	23313.9	20.4	B5		
BH (60°-80°)	29225.2	25.6	B5		G5
BVH (80°-90°)	479.1	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



REPORT NUMBER: P510614
CATALOG NUMBER: CST-CA10-760-740-U-T5R

CANDELA DISTRIBUTION (FULL):

0°	
0°	8386.0
2.5°	8388.2
5°	8371.6
7.5°	8357.7
10°	8371.8
12.5°	8461.8
15°	8635.2
17.5°	8878.0
20°	9207.5
22.5°	9596.6
25°	10055.1
27.5°	10552.0
30°	11136.4
32.5°	11854.4
35°	12797.4
37.5°	13882.8
40°	15089.0
42.5°	16444.6
45°	18053.4
47.5°	19908.9
50°	22057.9
52.5°	24379.0
55°	26925.5
57.5°	29468.5
60°	31997.3
62.5°	34533.7
65°	37553.3
67.5°	38194.6
70°	35188.4
72.5°	29929.4
75°	22723.4
77.5°	13892.3
80°	4409.4
82.5°	748.5
85°	422.9
87.5°	153.1
90°	0.0

(END OF REPORT)