

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: P510804

Luminaire Tested: **CST-CA8-330-750-U-T5R**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510804
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-CA8-330-750-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (8) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53346 lumens
Efficiency: N/A
Efficacy: 160.9 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

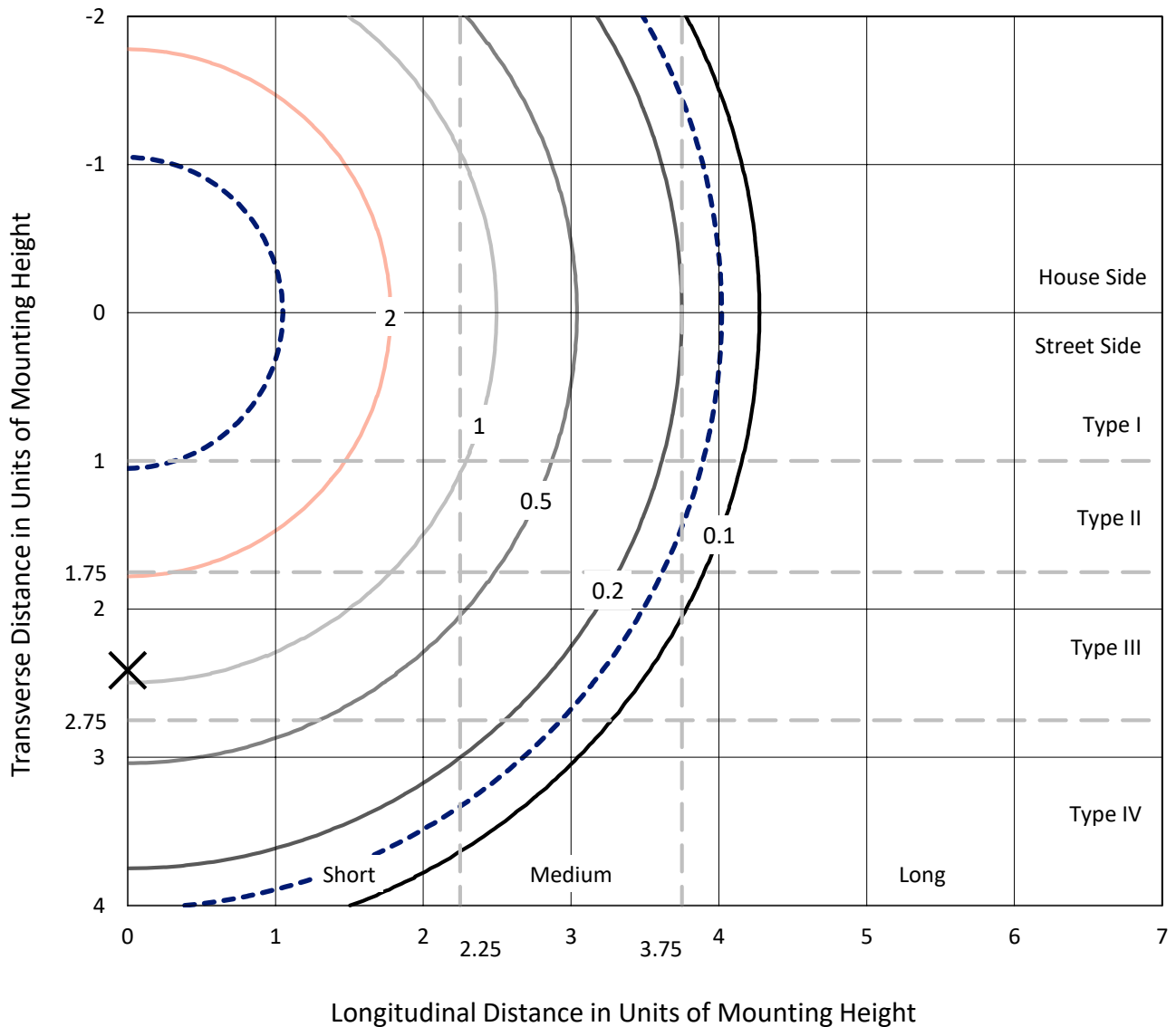
Input Watts (W): 331.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

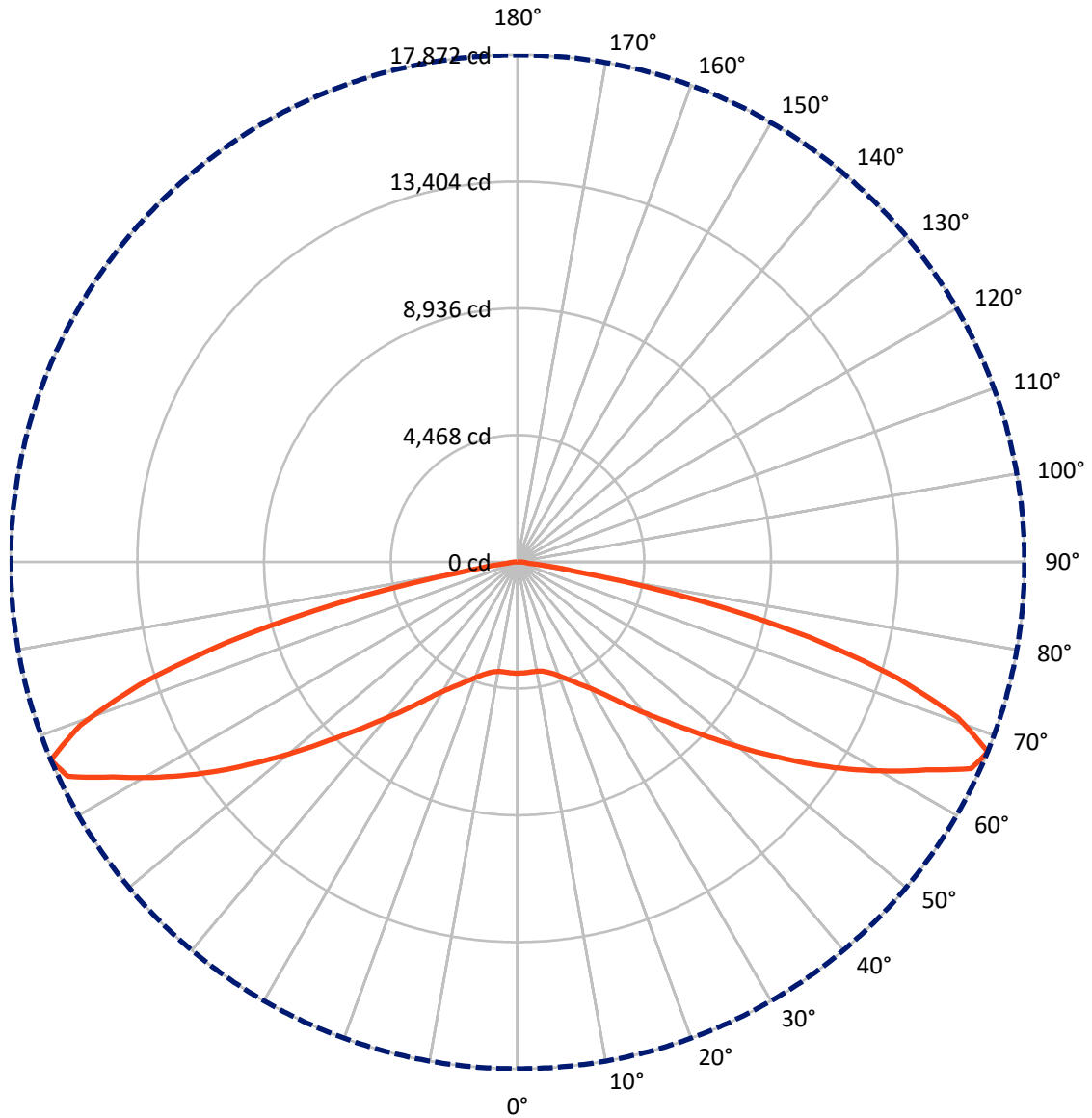
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.4 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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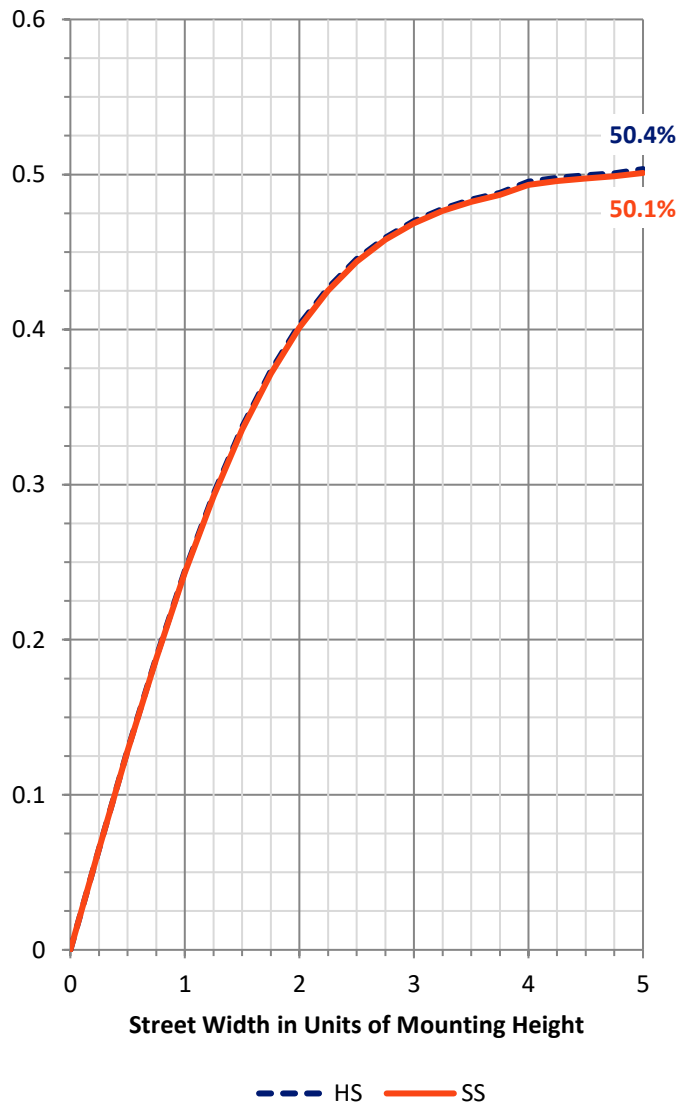
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26673.0	0.0	26673.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26673.0	0.0	26673.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	53346.0	0.0	53346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.8	0.7
10°-20°	1158.4	2.2
20°-30°	2198.3	4.1
30°-40°	3818.2	7.2
40°-50°	6645.8	12.5
50°-60°	11353.7	21.3
60°-70°	16720.6	31.3
70°-80°	10628.9	19.9
80°-90°	448.3	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°	53346.0	100.0
0°-180°	53346.0	100.0

Coefficient of Utilization



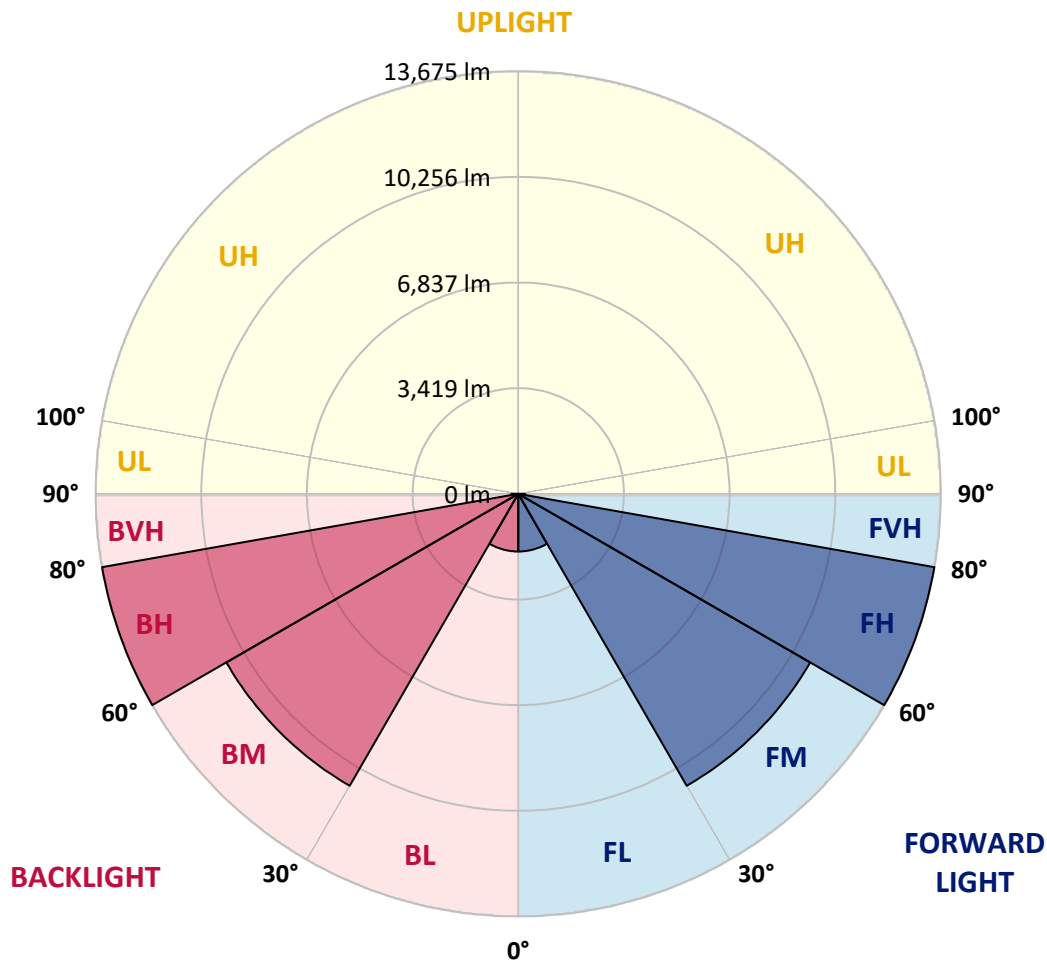
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1865.2	3.5			
FM (30°-60°)	10908.8	20.4			
FH (60°-80°)	13674.8	25.6			G5
FVH (80°-90°)	224.1	0.4			G2/225
BL (0°-30°)	1865.2	3.5	B3/2500		
BM (30°-60°)	10908.8	20.4	B5		
BH (60°-80°)	13674.8	25.6	B5		G5
BVH (80°-90°)	224.1	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°	3923.9
2.5°	3924.9
5°	3917.1
7.5°	3910.7
10°	3917.2
12.5°	3959.3
15°	4040.5
17.5°	4154.1
20°	4308.3
22.5°	4490.4
25°	4704.9
27.5°	4937.4
30°	5210.8
32.5°	5546.8
35°	5988.0
37.5°	6495.9
40°	7060.3
42.5°	7694.6
45°	8447.4
47.5°	9315.6
50°	10321.1
52.5°	11407.2
55°	12598.7
57.5°	13788.6
60°	14971.9
62.5°	16158.7
65°	17571.6
67.5°	17871.6
70°	16465.0
72.5°	14004.3
75°	10632.5
77.5°	6500.3
80°	2063.2
82.5°	350.2
85°	197.9
87.5°	71.6
90°	0.0

(END OF REPORT)