

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: P256606

Luminaire Tested: **CST-10-8-D-U-T5R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1808-894-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CST-10-8-D-U-T5R
Description: CELESTEON HIGH MAST LUMINAIRE
(10) 70 CRI, 4000K LEDS AND TYPE V ROUND OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 86855 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G5

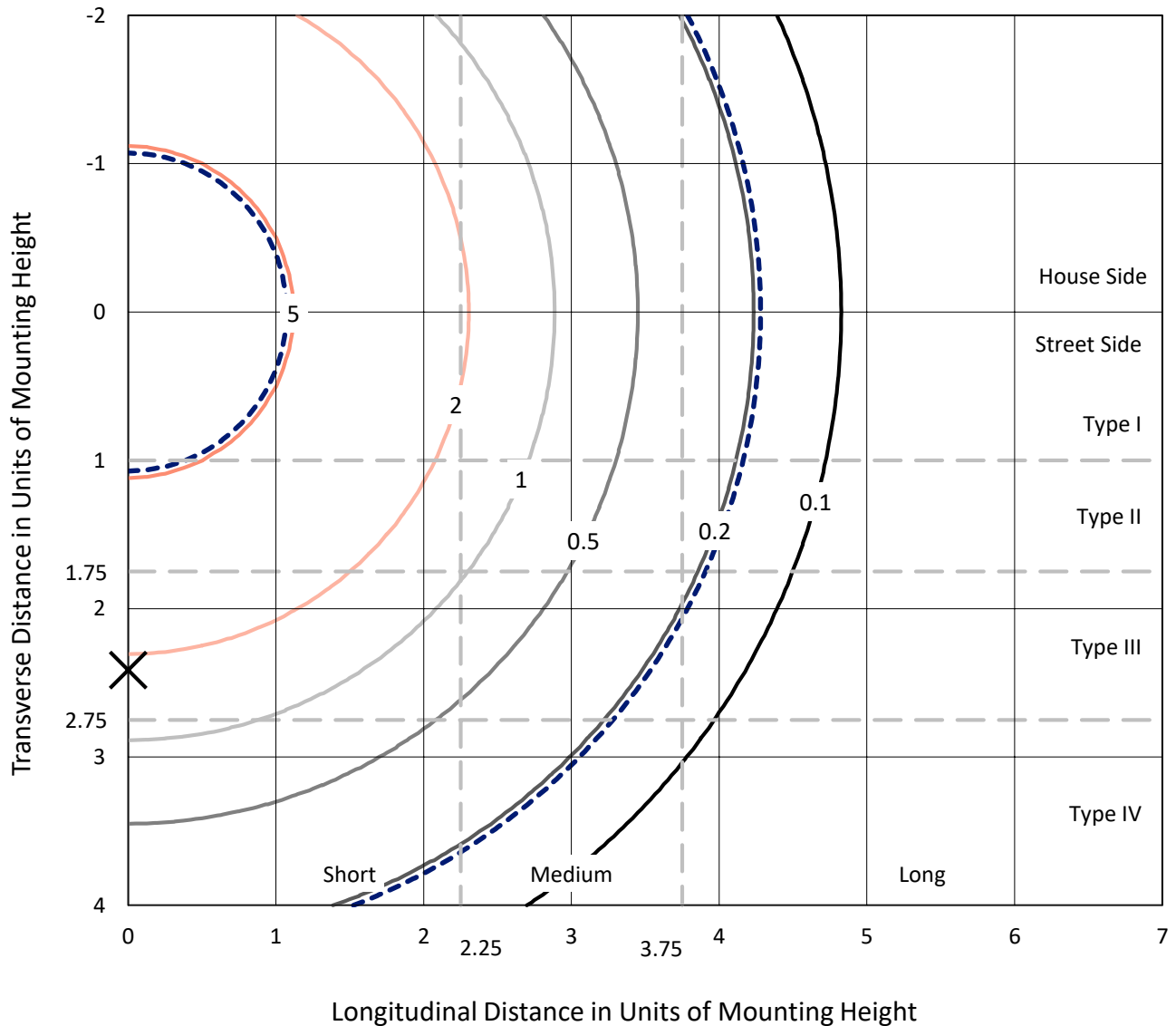
Input Watts (W): 631
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P256606
 CATALOG NUMBER: CST-10-8-D-U-T5R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

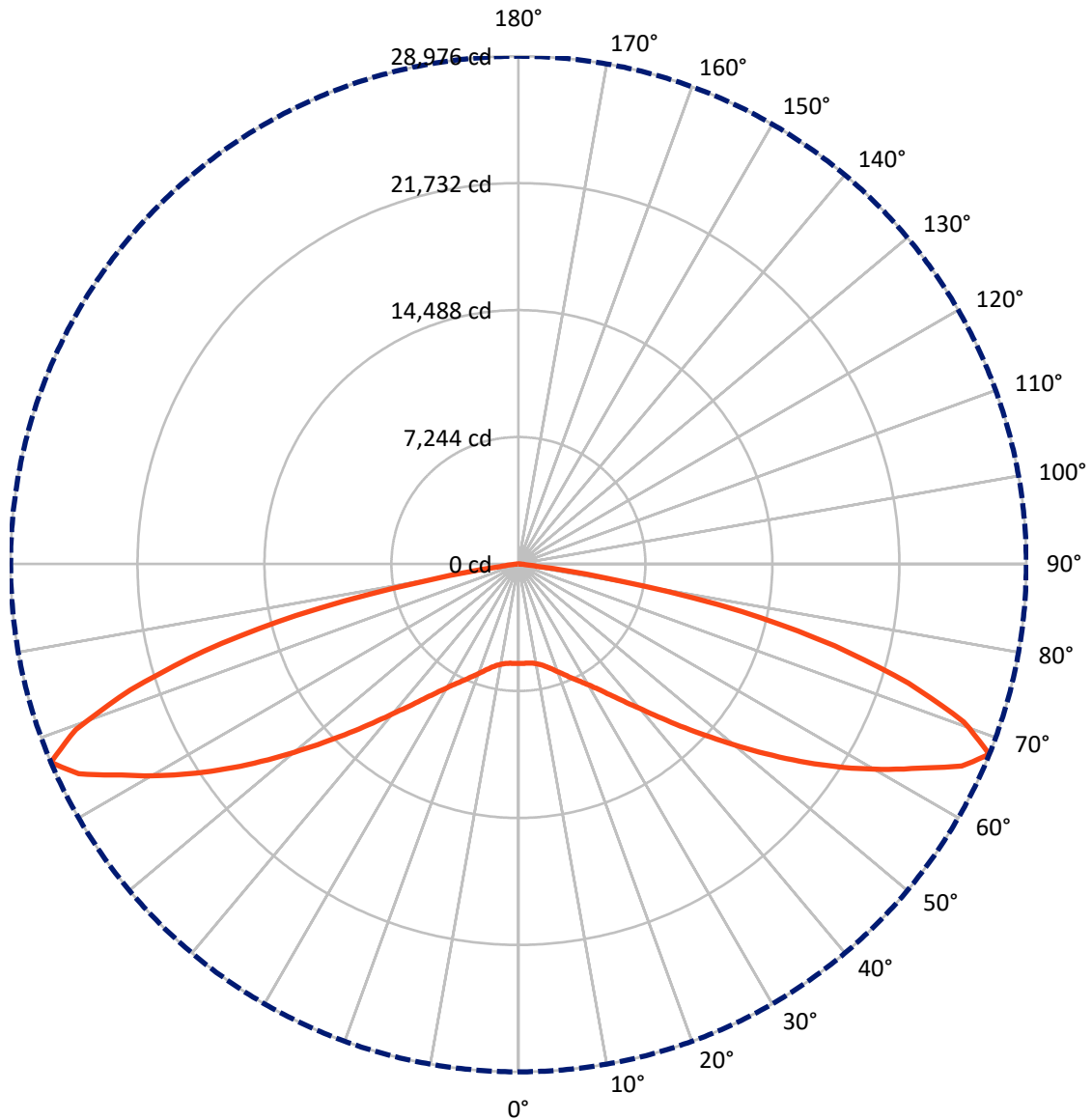


Based on 30 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P256606

CATALOG NUMBER: CST-10-8-D-U-T5R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P256606

CATALOG NUMBER: CST-10-8-D-U-T5R

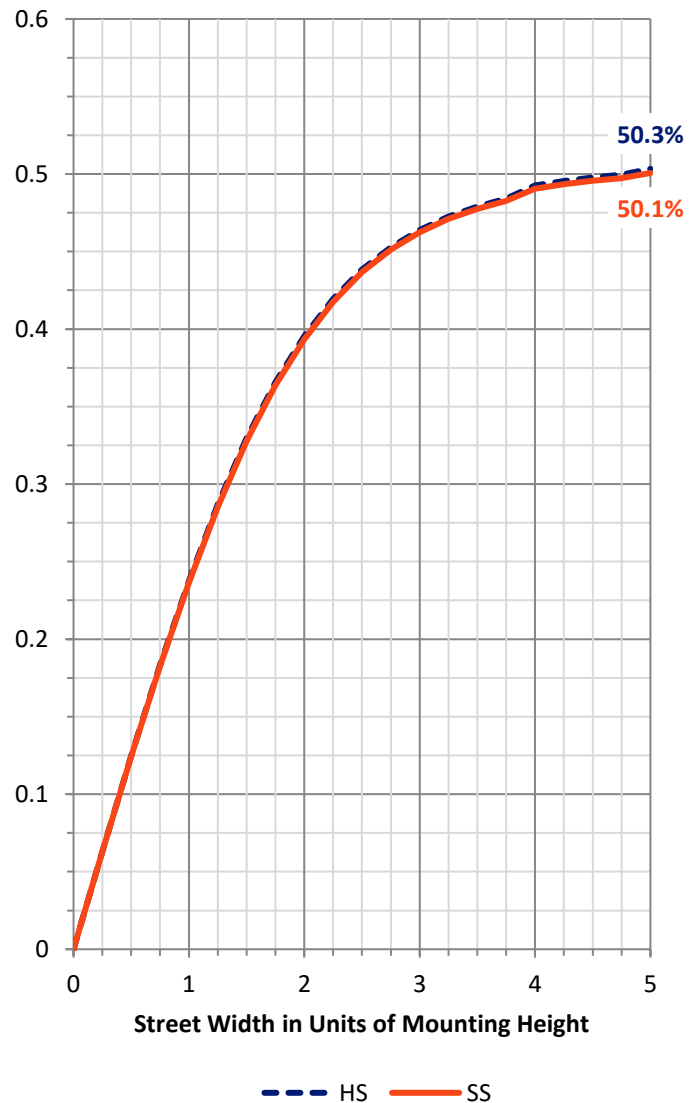
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	43427.5	0.0	43427.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	43427.5	0.0	43427.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	86855.0	0.0	86855.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.3	0.6
10°-20°	1747.7	2.0
20°-30°	3380.9	3.9
30°-40°	5897.8	6.8
40°-50°	10469.1	12.1
50°-60°	18031.3	20.8
60°-70°	26778.7	30.8
70°-80°	18792.0	21.6
80°-90°	1212.2	1.4
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°	86855.0	100.0
0°-180°	86855.0	100.0



REPORT NUMBER: P256606

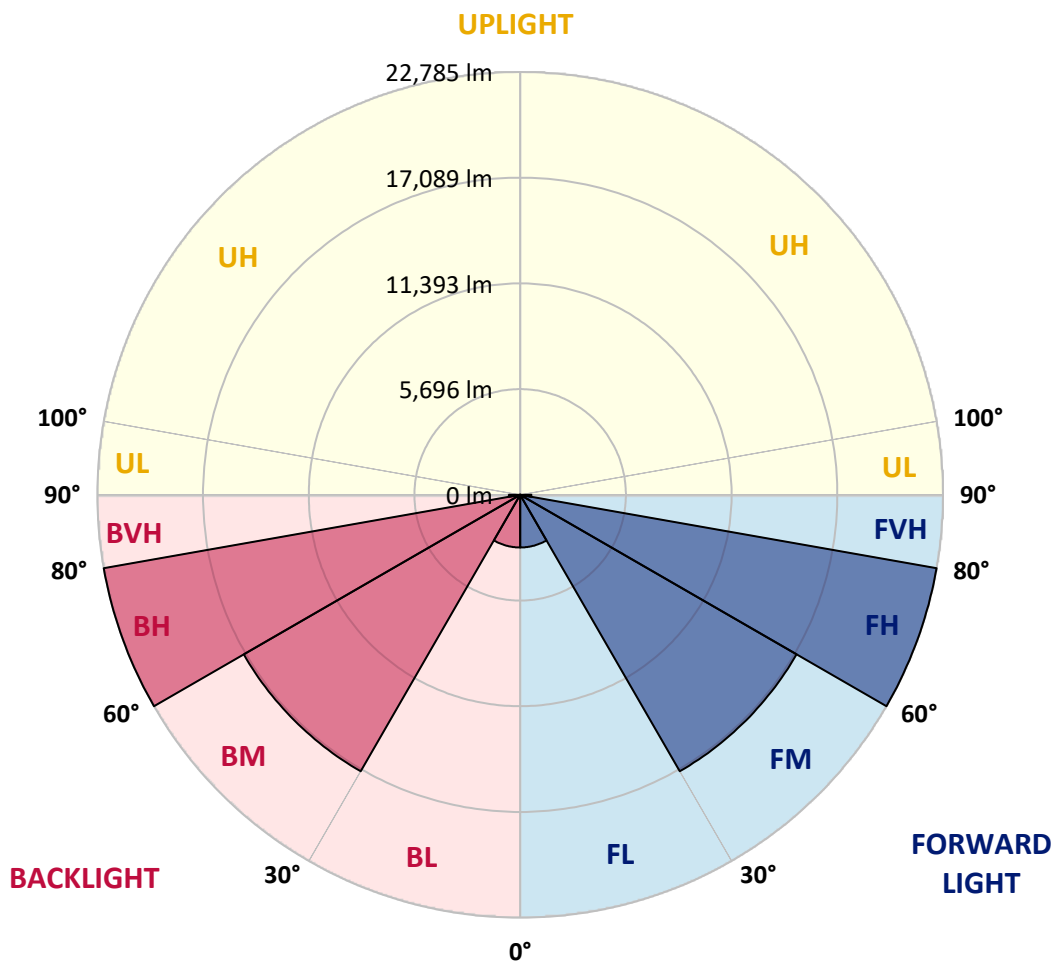
CATALOG NUMBER: CST-10-8-D-U-T5R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2837.0	3.3			
FM (30°-60°)	17199.1	19.8			
FH (60°-80°)	22785.3	26.2			G5
FVH (80°-90°)	606.1	0.7			G4/750
BL (0°-30°)	2837.0	3.3	B4/5000		
BM (30°-60°)	17199.1	19.8	B5		
BH (60°-80°)	22785.3	26.2	B5		G5
BVH (80°-90°)	606.1	0.7			G4/750
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: P256606

CATALOG NUMBER: CST-10-8-D-U-T5R

CANDELA DISTRIBUTION (FULL):

0°	
0°	5665.4
2.5°	5673.2
5°	5678.4
7.5°	5709.4
10°	5787.0
12.5°	5908.5
15°	6084.3
17.5°	6317.0
20°	6588.6
22.5°	6893.7
25°	7232.4
27.5°	7607.4
30°	8041.8
32.5°	8574.4
35°	9236.4
37.5°	10030.2
40°	10932.7
42.5°	12039.4
45°	13329.7
47.5°	14759.6
50°	16362.8
52.5°	18134.0
55°	19995.8
57.5°	21898.9
60°	23794.3
62.5°	25650.9
65°	27791.9
67.5°	28976.2
70°	26954.1
72.5°	23277.1
75°	18638.3
77.5°	13032.3
80°	5862.0
82.5°	1067.9
85°	325.8
87.5°	142.2
90°	0.0

(END OF REPORT)