

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: P256592

Luminaire Tested: **CST-6-3-D-U-T5R-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256592
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-6-3-D-U-T5R-7030
Description: CELESTEON HIGH MAST LUMINAIRE
(6) 70 CRI, 3000K LEDS AND TYPE V ROUND OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32687 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G4

Input Watts (W): 234
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

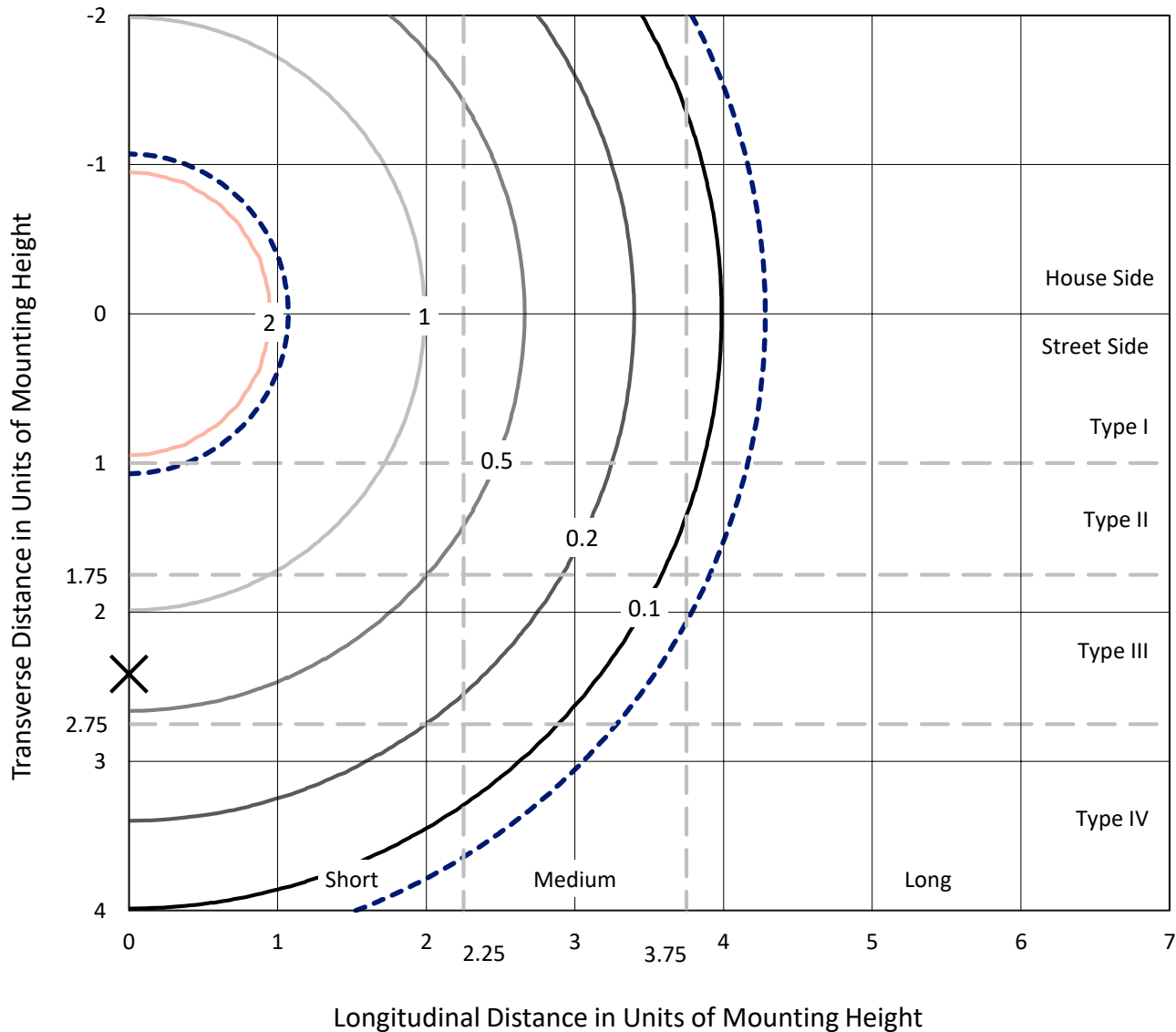


REPORT NUMBER: P256592

CATALOG NUMBER: CST-6-3-D-U-T5R-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

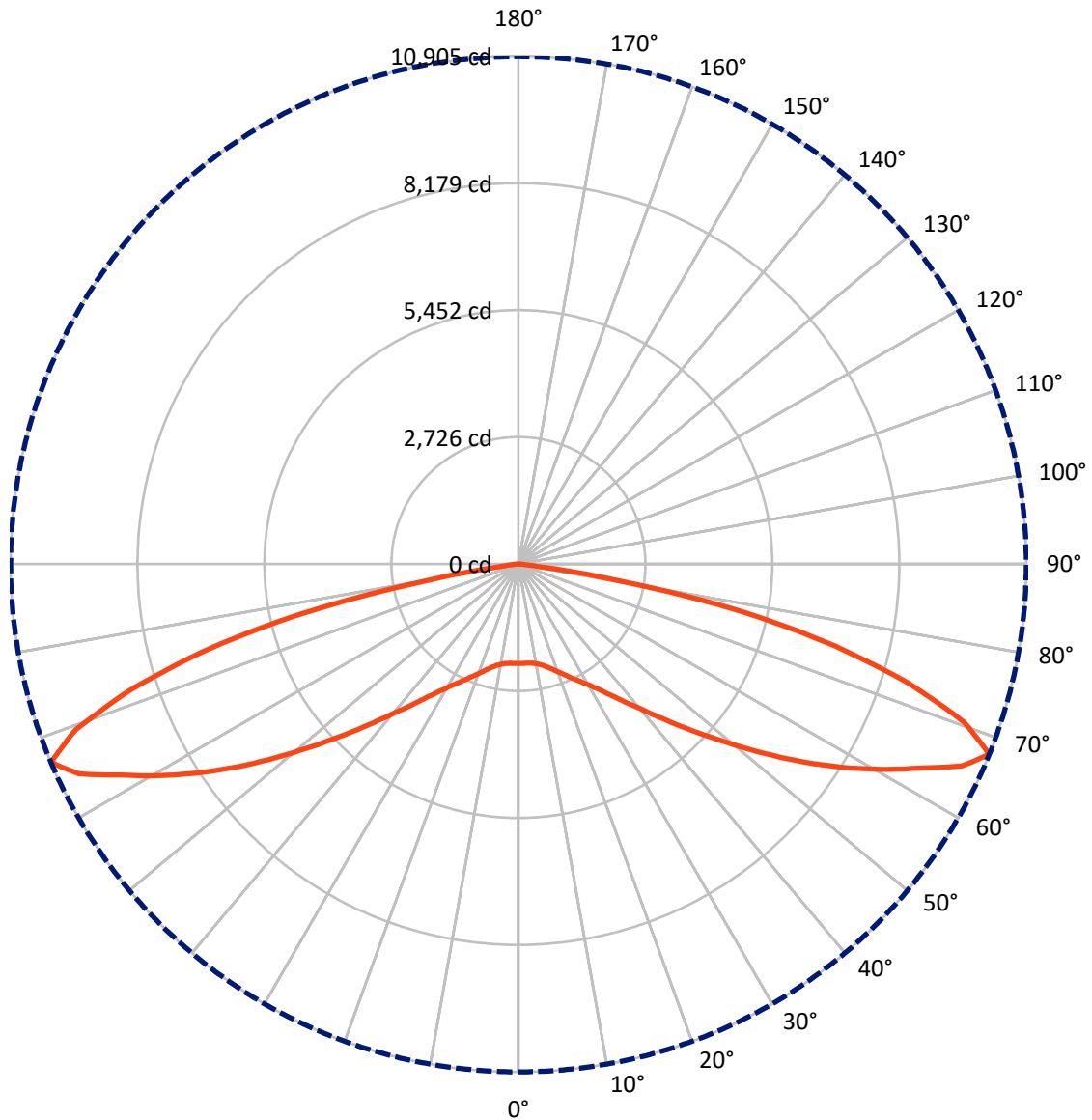


Based on 30 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P256592

CATALOG NUMBER: CST-6-3-D-U-T5R-7030

Luminous Intensity Polar Plot



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



REPORT NUMBER: P256592

CATALOG NUMBER: CST-6-3-D-U-T5R-7030

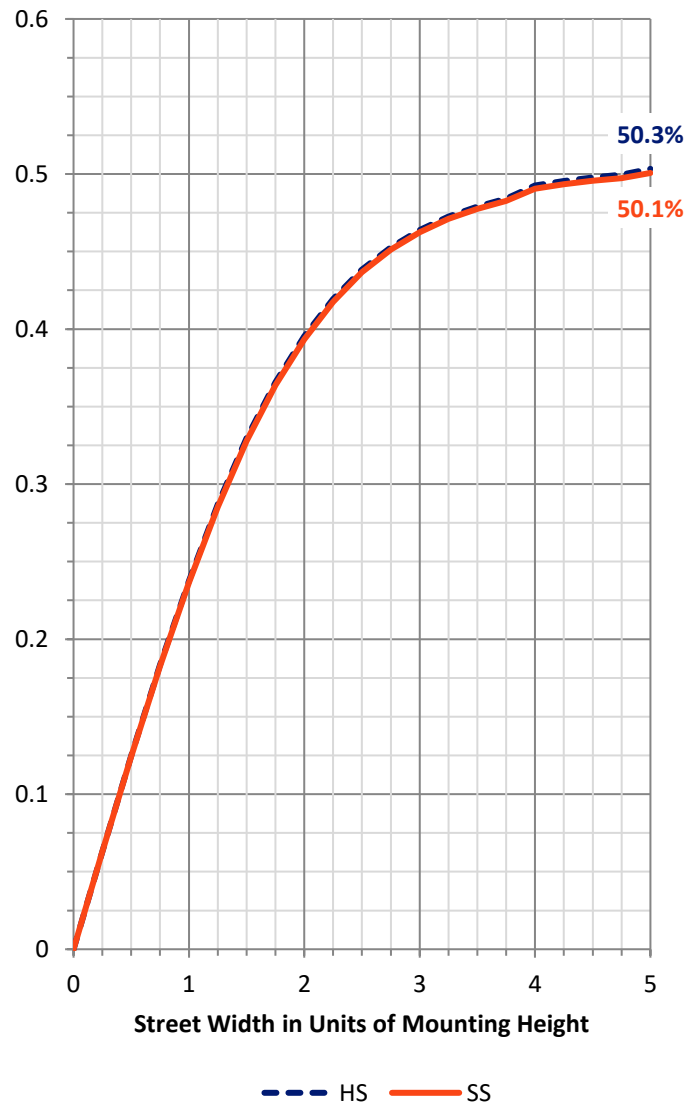
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16343.5	0.0	16343.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16343.5	0.0	16343.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32687.0	0.0	32687.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.2	0.6
10°-20°	657.7	2.0
20°-30°	1272.4	3.9
30°-40°	2219.6	6.8
40°-50°	3939.9	12.1
50°-60°	6785.9	20.8
60°-70°	10077.9	30.8
70°-80°	7072.2	21.6
80°-90°	456.2	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°	32687.0	100.0
0°-180°	32687.0	100.0



REPORT NUMBER: P256592

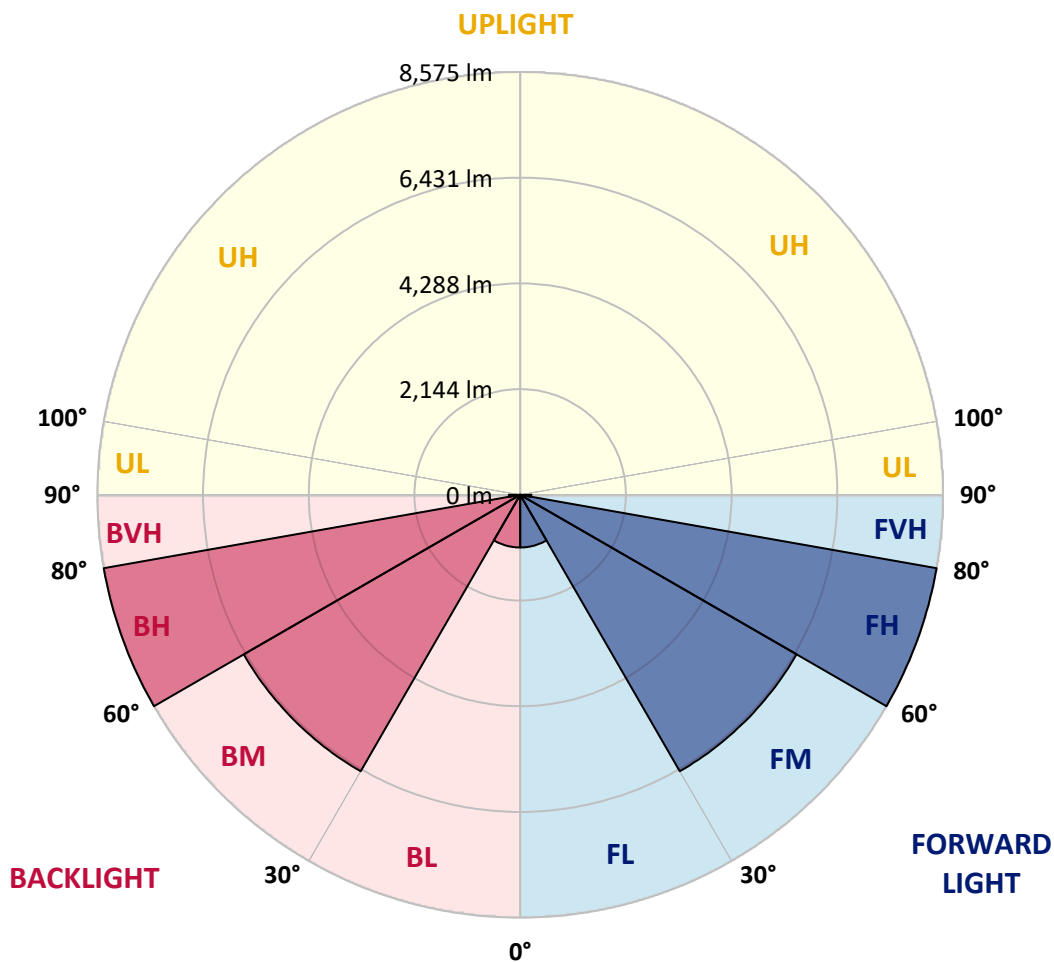
CATALOG NUMBER: CST-6-3-D-U-T5R-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1067.7	3.3			
FM	(30°-60°)	6472.7	19.8			
FH	(60°-80°)	8575.0	26.2			G4/12000
FVH	(80°-90°)	228.1	0.7			G3/500
BL	(0°-30°)	1067.7	3.3	B3/2500		
BM	(30°-60°)	6472.7	19.8	B4/8500		
BH	(60°-80°)	8575.0	26.2	B5		G4/12000
BVH	(80°-90°)	228.1	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





REPORT NUMBER: P256592

CATALOG NUMBER: CST-6-3-D-U-T5R-7030

CANDELA DISTRIBUTION (FULL):

	0°
0°	2132.1
2.5°	2135.0
5°	2137.0
7.5°	2148.7
10°	2177.9
12.5°	2223.6
15°	2289.8
17.5°	2377.4
20°	2479.5
22.5°	2594.4
25°	2721.8
27.5°	2862.9
30°	3026.4
32.5°	3226.9
35°	3476.0
37.5°	3774.8
40°	4114.4
42.5°	4530.9
45°	5016.5
47.5°	5554.6
50°	6158.0
52.5°	6824.6
55°	7525.2
57.5°	8241.4
60°	8954.7
62.5°	9653.5
65°	10459.2
67.5°	10904.9
70°	10143.9
72.5°	8760.1
75°	7014.3
77.5°	4904.6
80°	2206.1
82.5°	401.9
85°	122.6
87.5°	53.5
90°	0.0

(END OF REPORT)