

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: P256595

Luminaire Tested: **CST-8-4-D-U-T5R-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256595
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-8-4-D-U-T5R-7030
Description: CELESTEON HIGH MAST LUMINAIRE
(8) 70 CRI, 3000K LEDS AND TYPE V ROUND OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45266 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G4

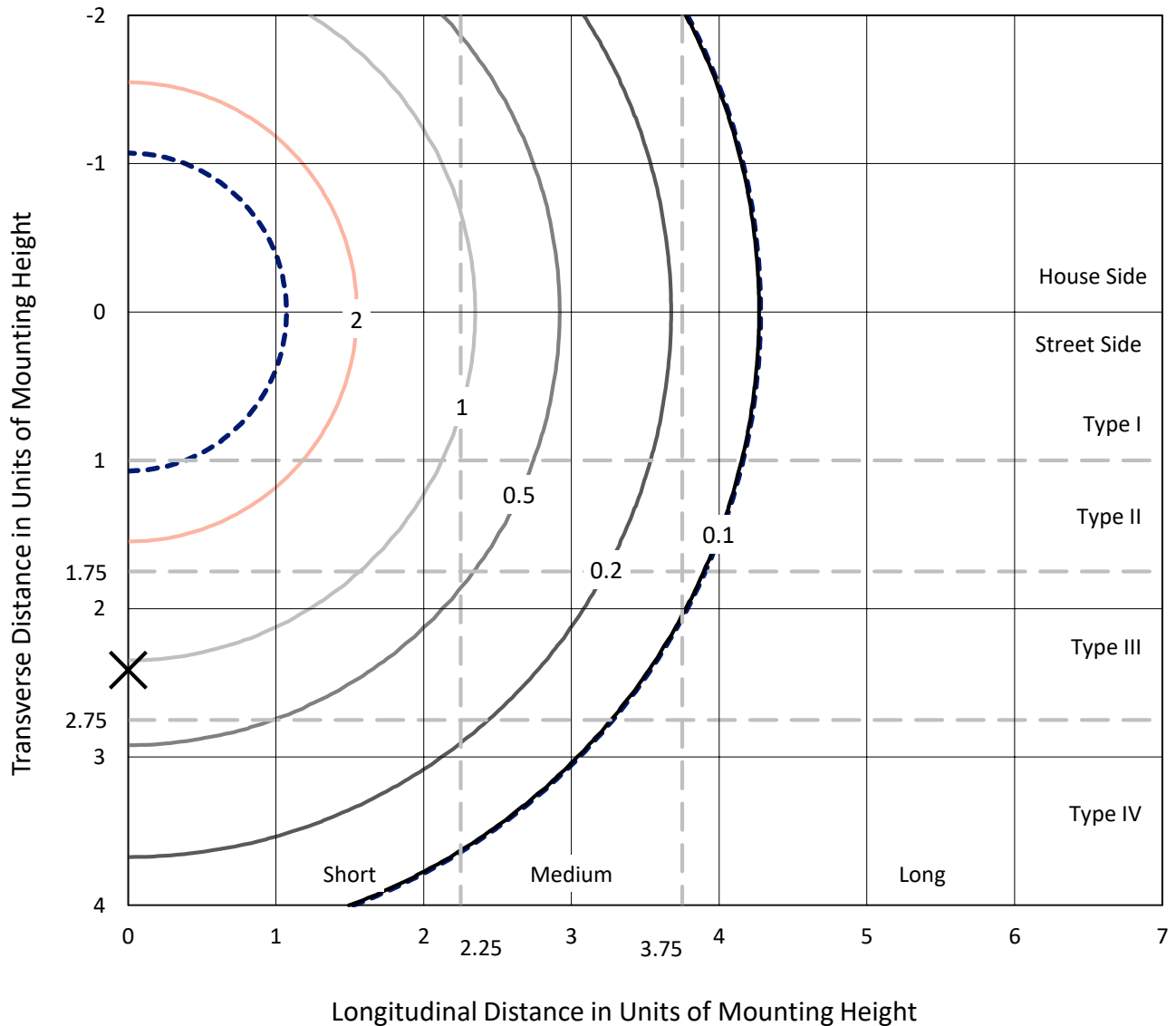
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P256595
 CATALOG NUMBER: CST-8-4-D-U-T5R-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

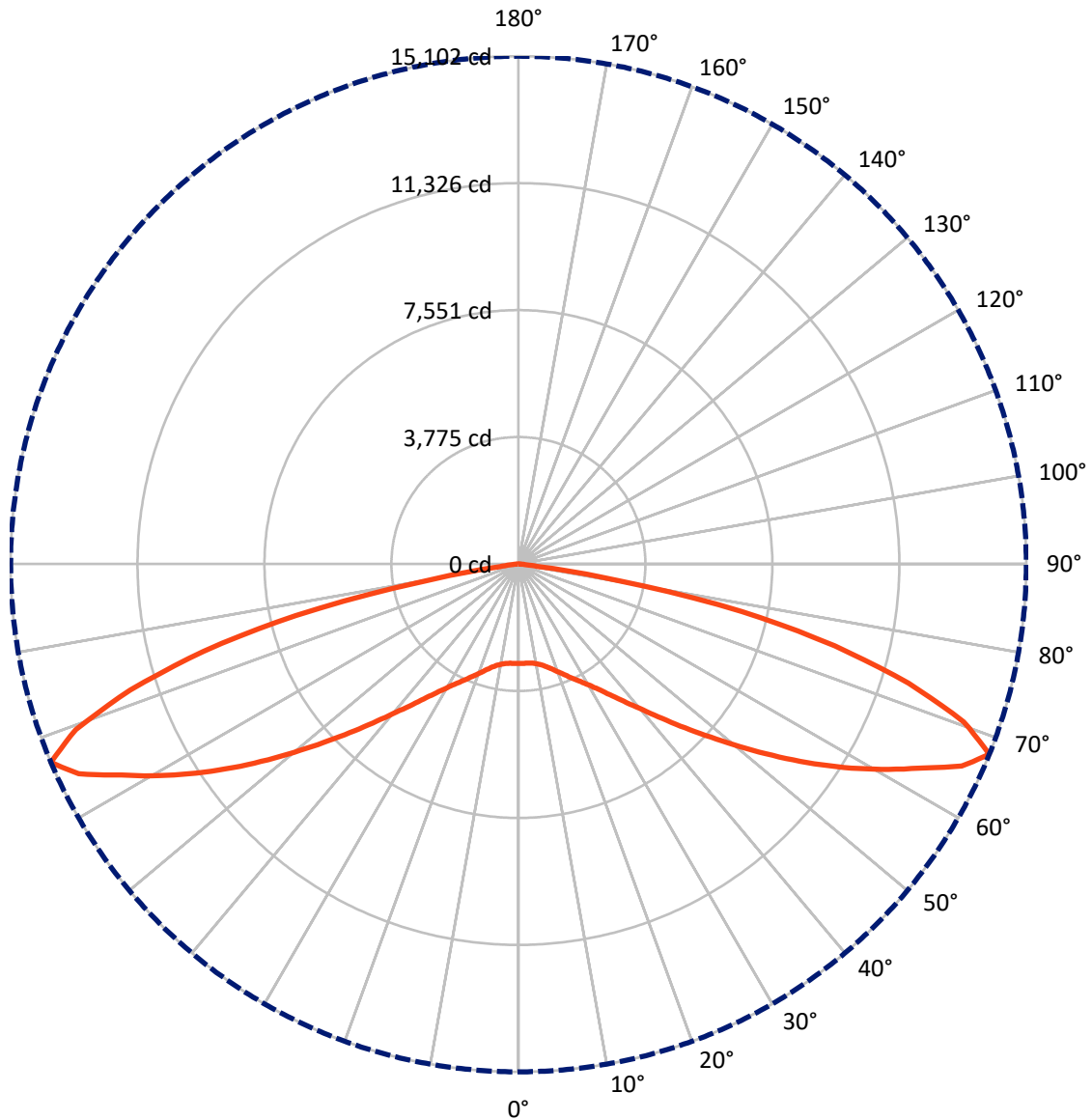


Based on 30 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P256595

CATALOG NUMBER: CST-8-4-D-U-T5R-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P256595

CATALOG NUMBER: CST-8-4-D-U-T5R-7030

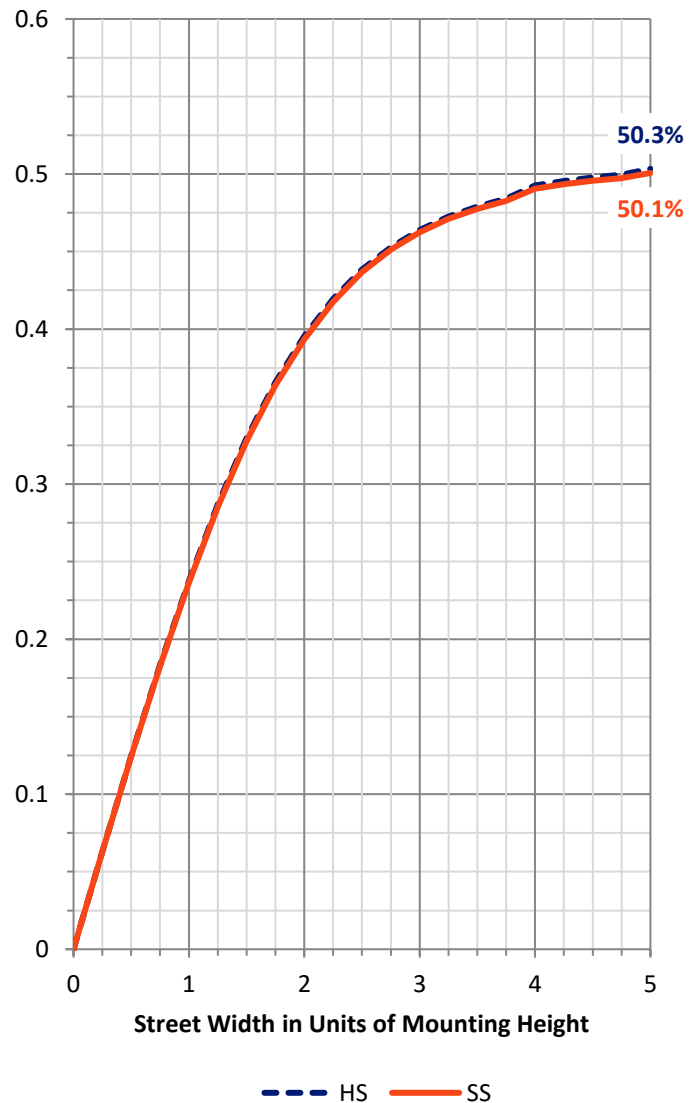
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22633.0	0.0	22633.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22633.0	0.0	22633.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	45266.0	0.0	45266.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.2	0.6
10°-20°	910.9	2.0
20°-30°	1762.0	3.9
30°-40°	3073.8	6.8
40°-50°	5456.1	12.1
50°-60°	9397.3	20.8
60°-70°	13956.2	30.8
70°-80°	9793.8	21.6
80°-90°	631.8	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°	45266.0	100.0
0°-180°	45266.0	100.0



REPORT NUMBER: P256595

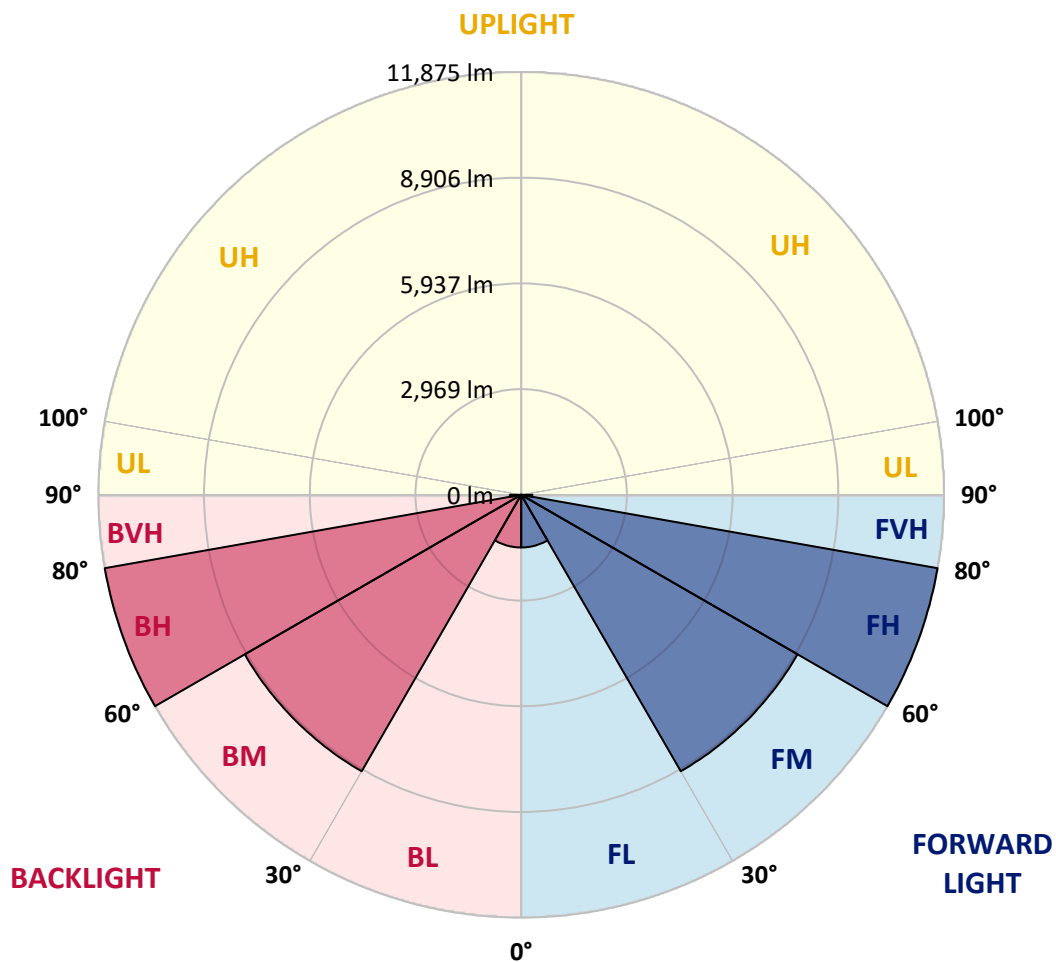
CATALOG NUMBER: CST-8-4-D-U-T5R-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1478.5	3.3			
FM	(30°-60°)	8963.6	19.8			
FH	(60°-80°)	11875.0	26.2			G4/12000
FVH	(80°-90°)	315.9	0.7			G3/500
BL	(0°-30°)	1478.5	3.3	B3/2500		
BM	(30°-60°)	8963.6	19.8	B5		
BH	(60°-80°)	11875.0	26.2	B5		G4/12000
BVH	(80°-90°)	315.9	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: P256595

CATALOG NUMBER: CST-8-4-D-U-T5R-7030

CANDELA DISTRIBUTION (FULL):

0°	
0°	2952.6
2.5°	2956.7
5°	2959.4
7.5°	2975.5
10°	3016.0
12.5°	3079.3
15°	3171.0
17.5°	3292.2
20°	3433.7
22.5°	3592.8
25°	3769.3
27.5°	3964.7
30°	4191.1
32.5°	4468.7
35°	4813.7
37.5°	5227.4
40°	5697.7
42.5°	6274.5
45°	6947.0
47.5°	7692.2
50°	8527.8
52.5°	9450.9
55°	10421.2
57.5°	11413.0
60°	12400.8
62.5°	13368.4
65°	14484.2
67.5°	15101.5
70°	14047.6
72.5°	12131.3
75°	9713.7
77.5°	6792.0
80°	3055.1
82.5°	556.6
85°	169.8
87.5°	74.1
90°	0.0

(END OF REPORT)