

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: P256600

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256600
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
Description: CELESTEON HIGH MAST LUMINAIRE
(6) 70 CRI, 4000K LEDS AND TYPE V ROUND OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33590 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G4

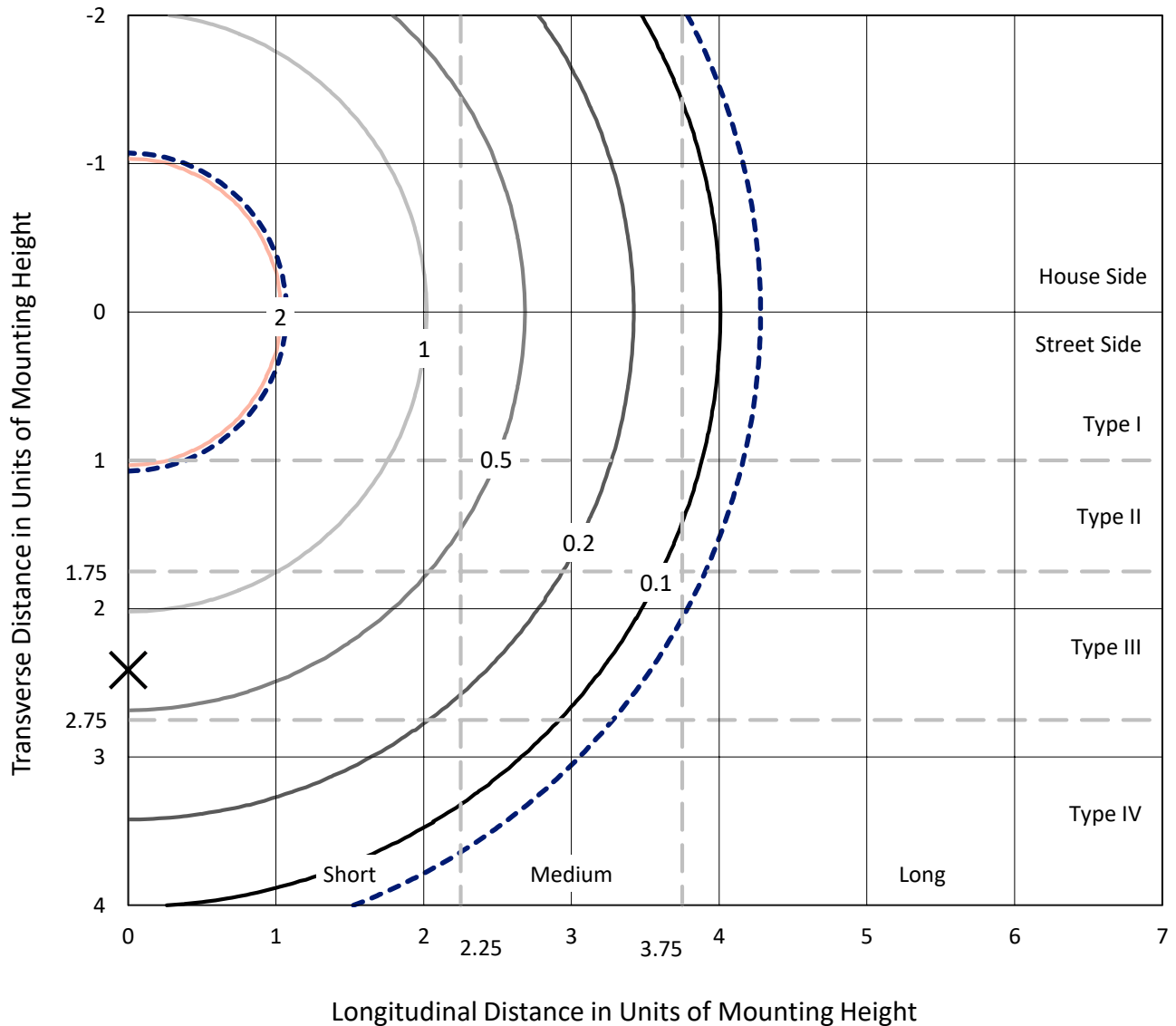
Input Watts (W): 234
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P256600
 CATALOG NUMBER: CST-6-3-D-U-T5R

Iso-Footcandle Lines of Horizontal Illumination

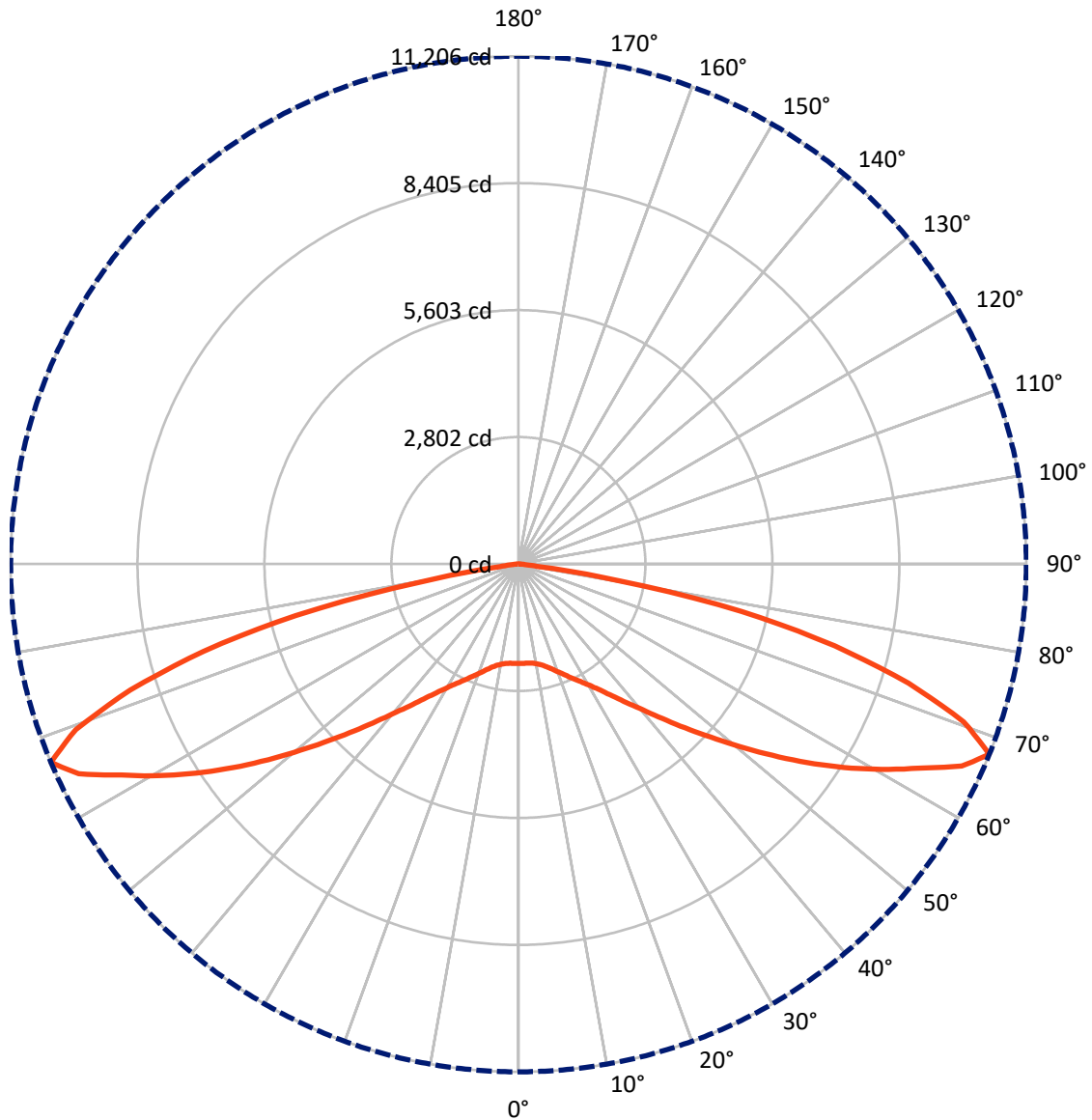
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P256600
CATALOG NUMBER: CST-6-3-D-U-T5R

Luminous Intensity Polar Plot



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

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

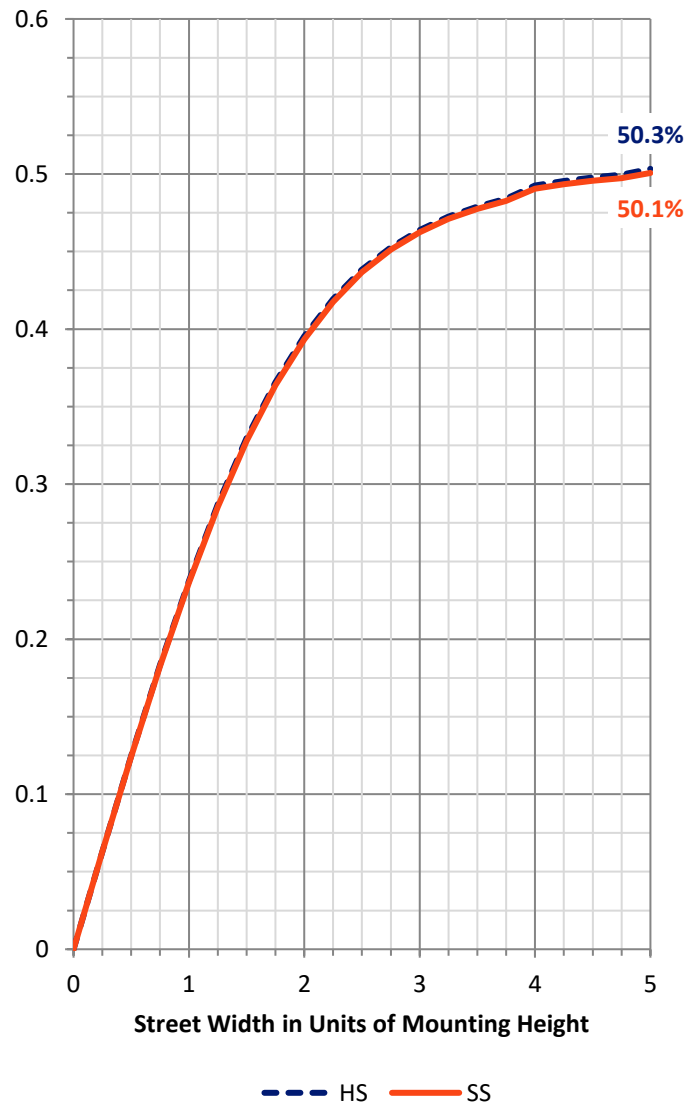
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16795.0	0.0	16795.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16795.0	0.0	16795.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33590.0	0.0	33590.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.9	0.6
10°-20°	675.9	2.0
20°-30°	1307.5	3.9
30°-40°	2280.9	6.8
40°-50°	4048.8	12.1
50°-60°	6973.4	20.8
60°-70°	10356.3	30.8
70°-80°	7267.5	21.6
80°-90°	468.8	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°	33590.0	100.0
0°-180°	33590.0	100.0



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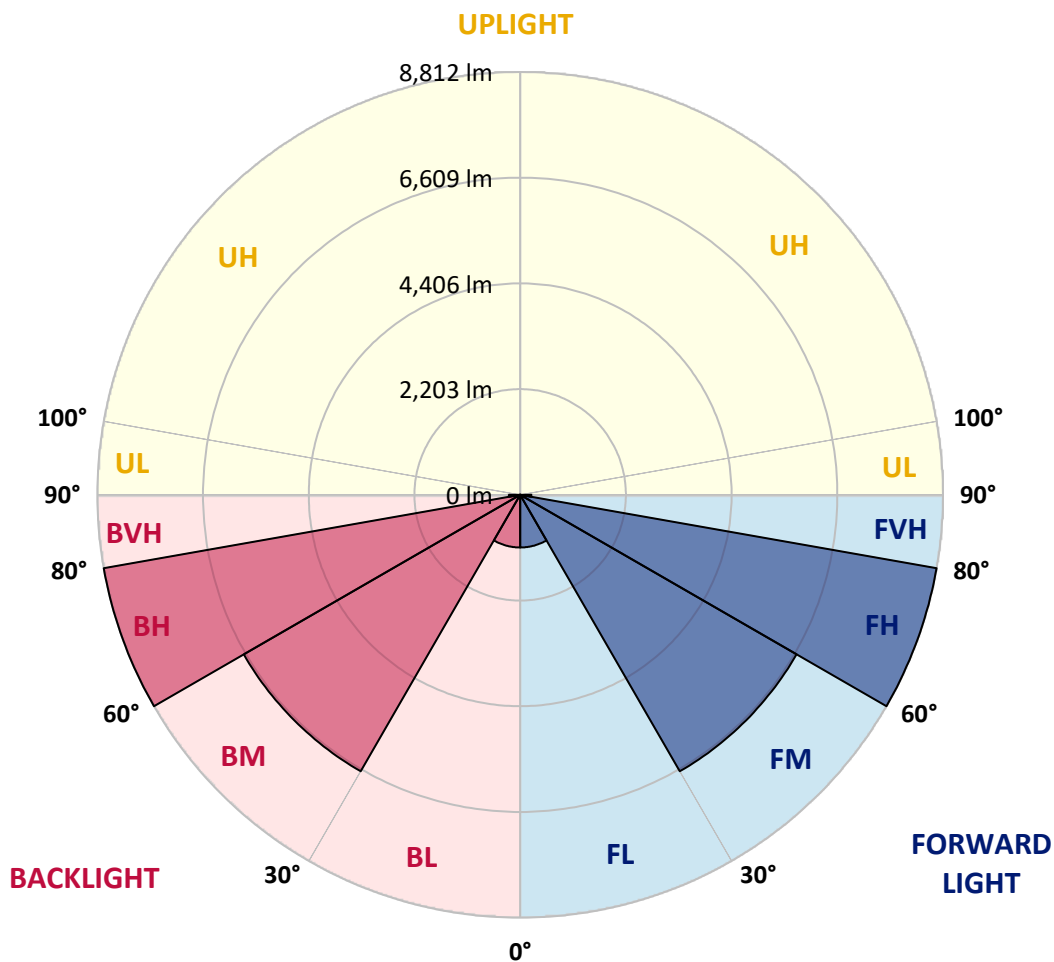
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1097.1	3.3			
FM	(30°-60°)	6651.5	19.8			
FH	(60°-80°)	8811.9	26.2			G4/12000
FVH	(80°-90°)	234.4	0.7			G3/500
BL	(0°-30°)	1097.1	3.3	B3/2500		
BM	(30°-60°)	6651.5	19.8	B4/8500		
BH	(60°-80°)	8811.9	26.2	B5		G4/12000
BVH	(80°-90°)	234.4	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





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CANDELA DISTRIBUTION (FULL):

0°	
0°	2191.0
2.5°	2194.0
5°	2196.0
7.5°	2208.0
10°	2238.0
12.5°	2285.0
15°	2353.0
17.5°	2443.0
20°	2548.0
22.5°	2666.0
25°	2797.0
27.5°	2942.0
30°	3110.0
32.5°	3316.0
35°	3572.0
37.5°	3879.1
40°	4228.1
42.5°	4656.1
45°	5155.1
47.5°	5708.1
50°	6328.1
52.5°	7013.1
55°	7733.1
57.5°	8469.1
60°	9202.1
62.5°	9920.1
65°	10748.1
67.5°	11206.2
70°	10424.1
72.5°	9002.1
75°	7208.1
77.5°	5040.1
80°	2267.0
82.5°	413.0
85°	126.0
87.5°	55.0
90°	0.0

(END OF REPORT)