

Scaled data based on original data using  
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge  
or Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: 768921\_150MP

Luminaire Tested: **ARC15PXX5CX6X**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: 768921\_150MP  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARC15PXX5CX6X  
Description: CUTOFF GENERATIONS POST TOP  
Light Source: 150 WATT PULSE-START CLEAR ED-28 VBD BURN  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 14000 (1 lamp)  
Luminaire Lumens: 10931.7 lumens  
Efficiency: 78.1%  
Efficacy: 59.1 lumens/watt  
Luminous Opening: Point Source (0' x 0' x 0')  
IES Classification: Type V - Short - Cutoff  
BUG Rating: B4 - U3 - G2

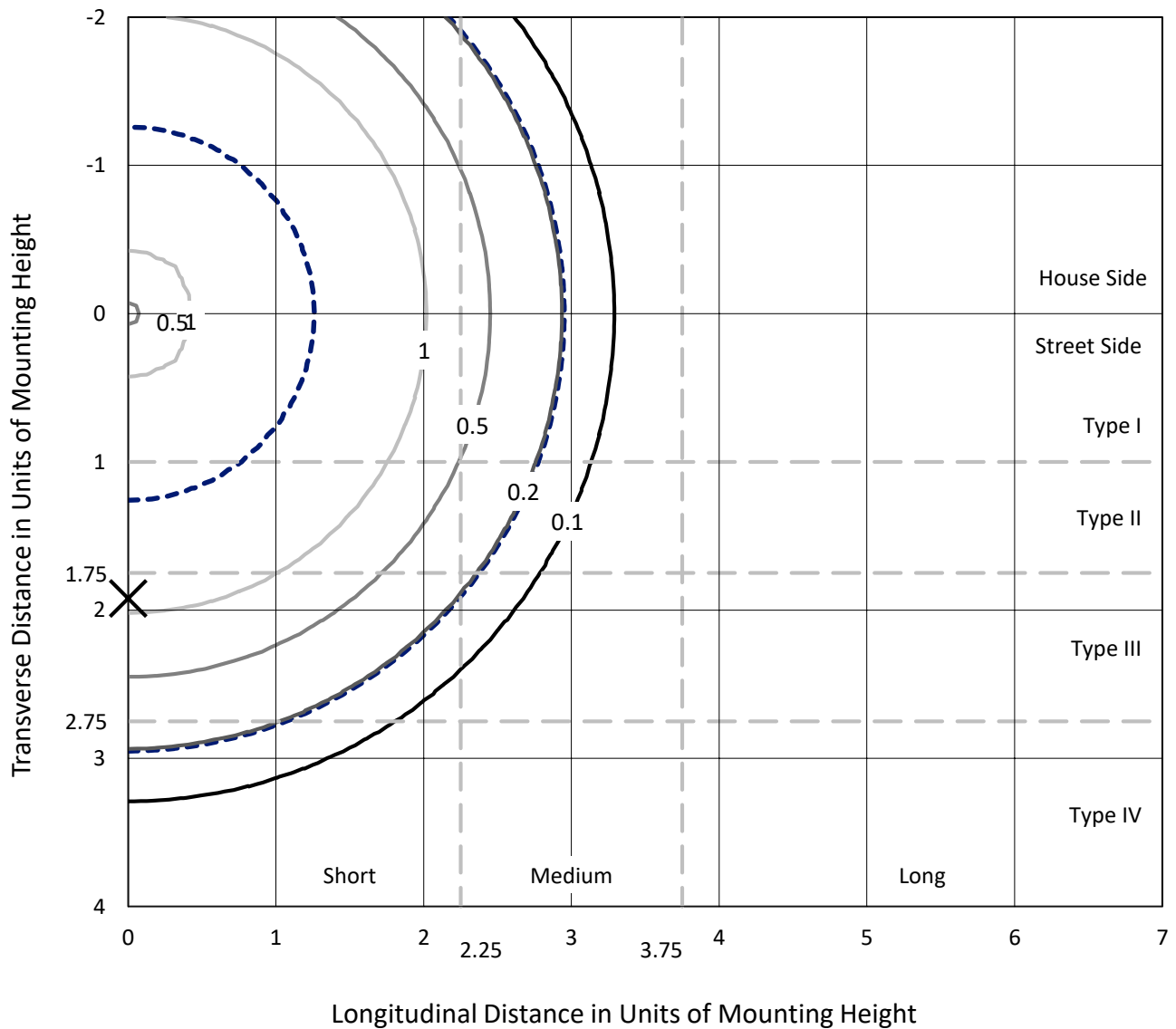
Input Watts (W): 185  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: 768921\_150MP  
 CATALOG NUMBER: ARC15PXX5CX6X

### Iso-Footcandle Lines of Horizontal Illumination

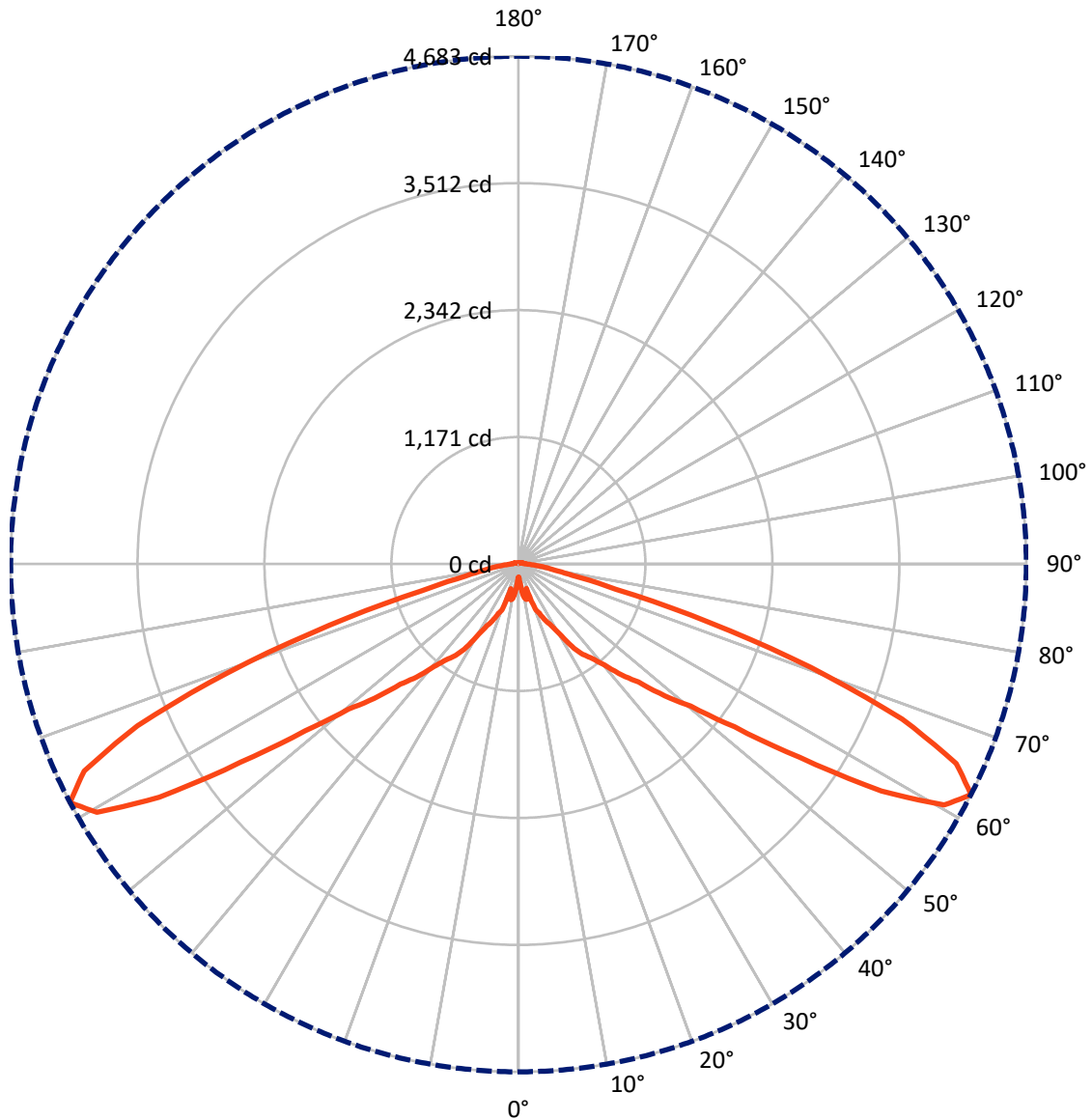
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - Cutoff

REPORT NUMBER: 768921\_150MP  
CATALOG NUMBER: ARC15PXX5CX6X

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical



REPORT NUMBER: 768921\_150MP  
 CATALOG NUMBER: ARC15PXX5CX6X

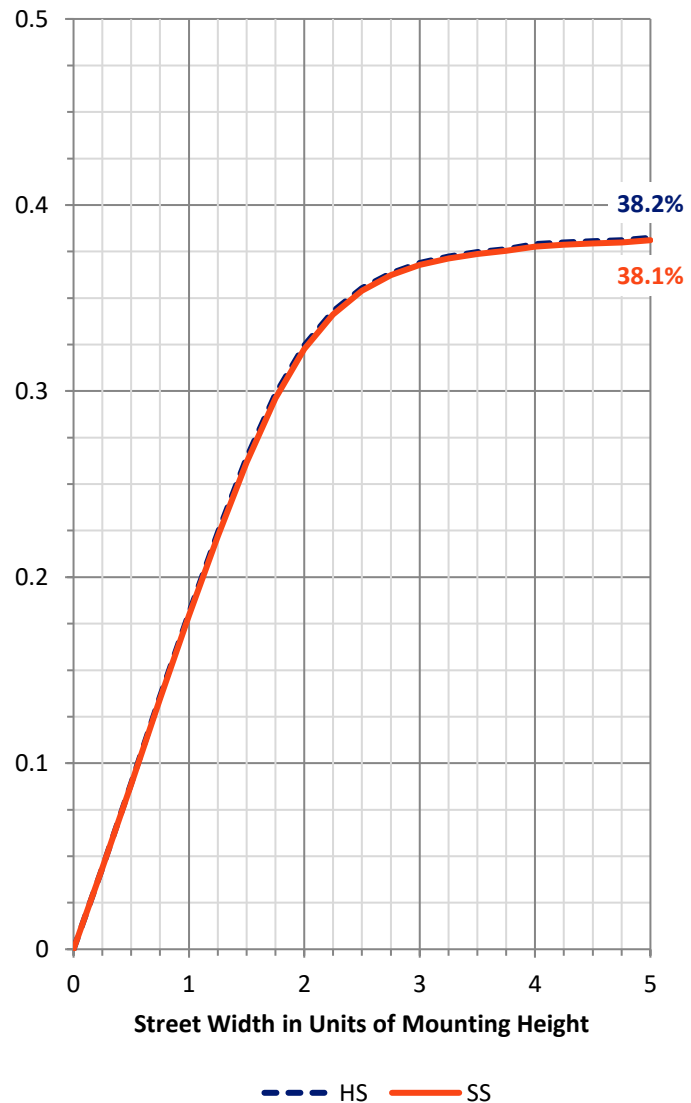
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5381.3	84.5	5465.8
	% Lamp	38.4	0.6	39.0
<b>Street Side</b>	Lumens	5381.3	84.5	5465.8
	% Lamp	38.4	0.6	39.0
<b>Total</b>	Lumens	10762.7	169.0	10931.7
	% Lamp	76.9	1.2	78.1

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	23.3	0.2	0.2
10°-20°	86.4	0.8	0.6
20°-30°	270.0	2.5	1.9
30°-40°	636.4	5.8	4.5
40°-50°	1250.3	11.4	8.9
50°-60°	2911.3	26.6	20.8
60°-70°	4113.9	37.6	29.4
70°-80°	1277.3	11.7	9.1
80°-90°	193.7	1.8	1.4
90°-100°	58.3	0.5	0.4
100°-110°	40.5	0.4	0.3
110°-120°	28.8	0.3	0.2
120°-130°	20.0	0.2	0.1
130°-140°	13.0	0.1	0.1
140°-150°	6.6	0.1	0.0
150°-160°	2.2	0.0	0.0
160°-170°	0.6	0.0	0.0
170°-180°	0.1	0.0	0.0
0°-90°	10762.7	98.5	76.9
0°-180°	10931.7	100.0	78.1

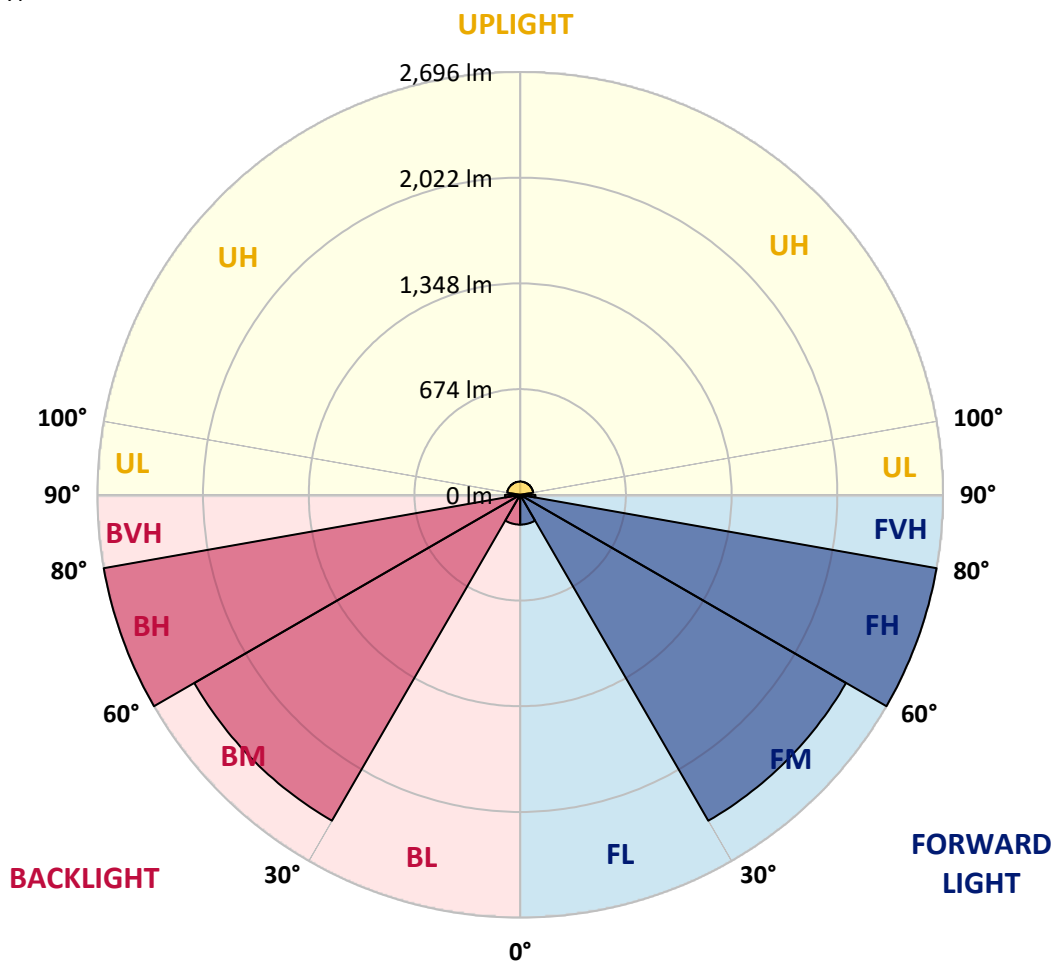


REPORT NUMBER: 768921\_150MP  
 CATALOG NUMBER: ARC15PXX5CX6X

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.9	1.4			
FM (30°-60°)	2399.0	17.1			
FH (60°-80°)	2695.6	19.3			G2/5000
FVH (80°-90°)	96.9	0.7			G1/100
BL (0°-30°)	189.9	1.4	B1/500		
BM (30°-60°)	2399.0	17.1	B2/2500		
BH (60°-80°)	2695.6	19.3	B4/5000		G2/5000
BVH (80°-90°)	96.9	0.7			G1/100
UL (90°-100°)	58.3	0.4		U3/500	
UH (100°-180°)	84.5	0.6		U3/500	
Trapped Light	3068.3	21.9			

**BUG Rating: B4-U3-G2**  
 Type V Short





REPORT NUMBER: 768921\_150MP  
CATALOG NUMBER: ARC15PXX5CX6X

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	118
2.5°	135
5°	194
7.5°	278
10°	322
12.5°	336
15°	265
17.5°	237
20°	444
22.5°	492
25°	575
27.5°	639
30°	742
32.5°	907
35°	1023
37.5°	1104
40°	1225
42.5°	1401
45°	1553
47.5°	1816
50°	2060
52.5°	2496
55°	3150
57.5°	3948
60°	4511
62.5°	4683
65°	4435
67.5°	3816
70°	2861
72.5°	1837
75°	925
77.5°	507
80°	337
82.5°	244
85°	162
87.5°	101
90°	72
95°	49
105°	38
115°	28
125°	22
135°	17
145°	11
155°	3
165°	2



REPORT NUMBER: 768921\_150MP  
CATALOG NUMBER: ARC15PXX5CX6X

**CANDELA DISTRIBUTION (continued):**

	0°
175°	1
180°	1

(END OF REPORT)