

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: 768065\_150MP

Luminaire Tested: **ARC15PXX55X1X**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: 768065\_150MP  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARC15PXX55X1X  
Description: REFRACTIVE GLOBE TYPE V ACRYLIC  
WITH CLEAR TOP  
Light Source: 150 WATT PULSE-START CLEAR ED-28 VBD BURN  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 14000 (1 lamp)  
Luminaire Lumens: 12874.6 lumens  
Efficiency: 92.0%  
Efficacy: 69.6 lumens/watt  
Luminous Opening: Point Source (0' x 0' x 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U5 - G3

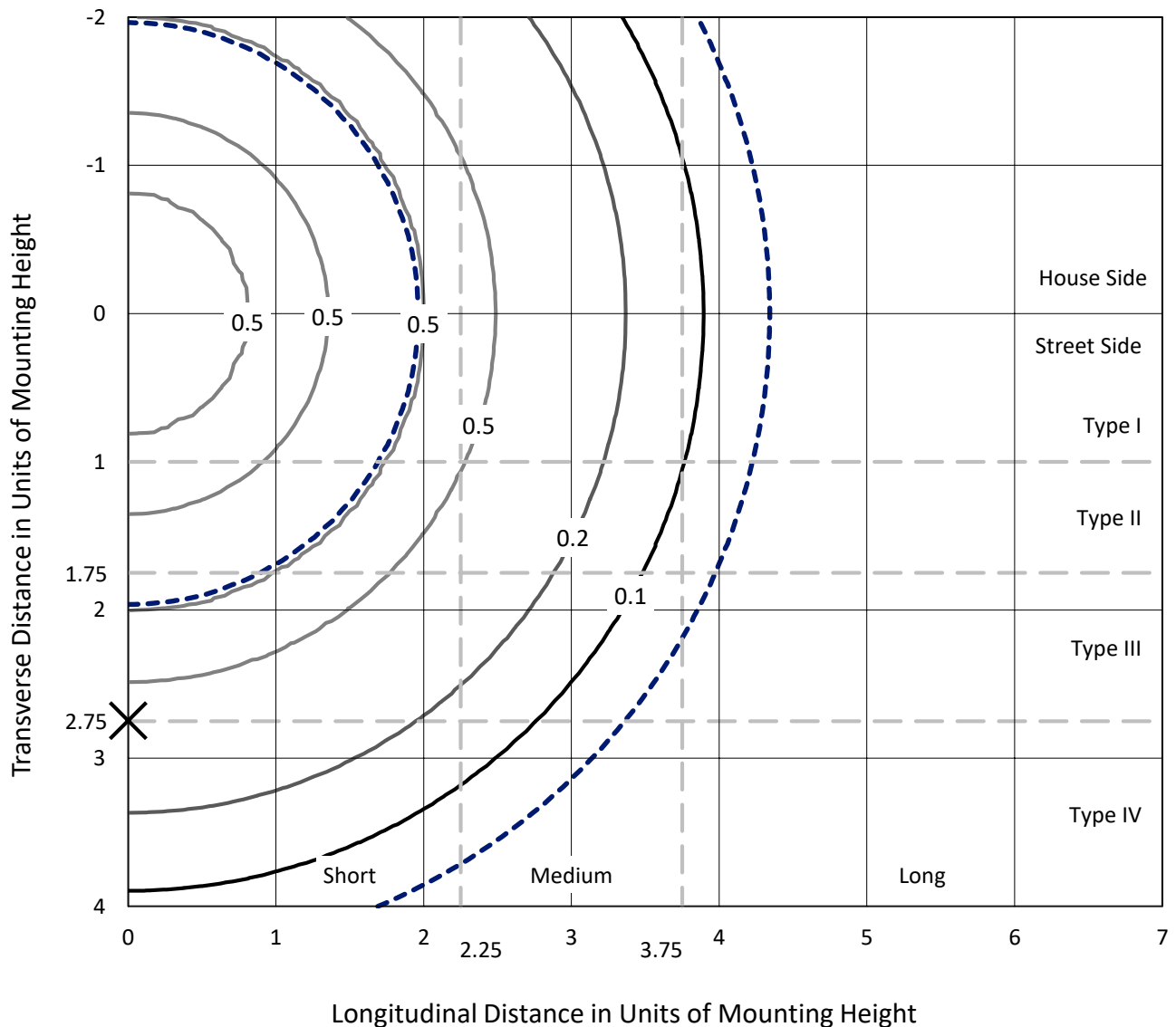
Input Watts (W): 185  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

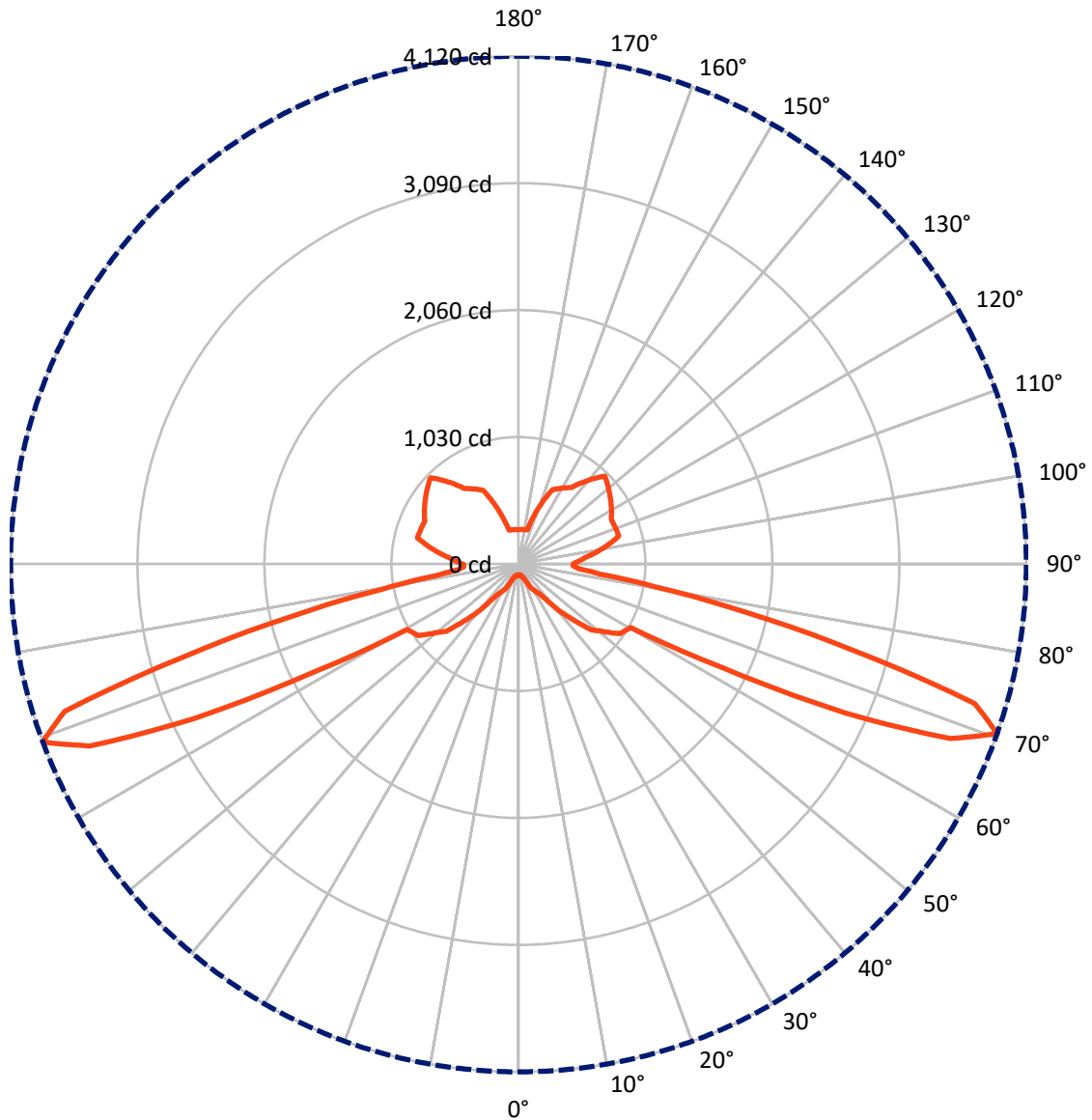
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical



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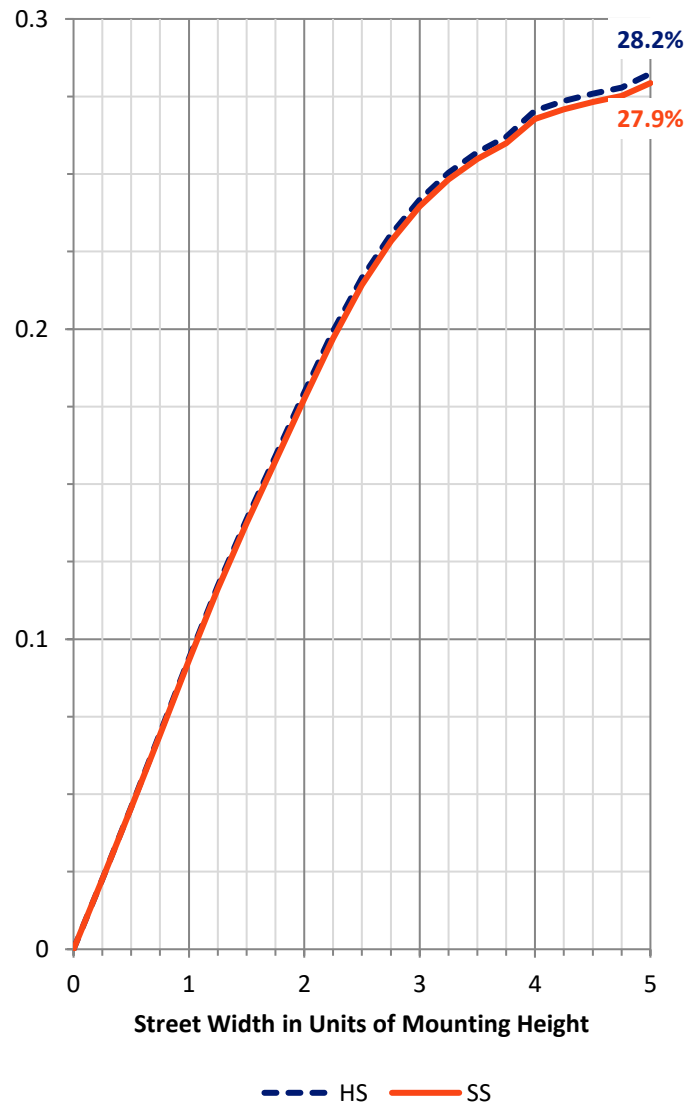
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4056.5	2380.8	6437.3
	% Lamp	29.0	17.0	46.0
<b>Street Side</b>	Lumens	4056.5	2380.8	6437.3
	% Lamp	29.0	17.0	46.0
<b>Total</b>	Lumens	8112.9	4761.6	12874.6
	% Lamp	57.9	34.0	92.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	8.6	0.1	0.1
10°-20°	30.0	0.2	0.2
20°-30°	85.9	0.7	0.6
30°-40°	206.1	1.6	1.5
40°-50°	530.3	4.1	3.8
50°-60°	874.2	6.8	6.2
60°-70°	2775.6	21.6	19.8
70°-80°	2950.2	22.9	21.1
80°-90°	652.0	5.1	4.7
90°-100°	607.5	4.7	4.3
100°-110°	812.2	6.3	5.8
110°-120°	851.9	6.6	6.1
120°-130°	822.9	6.4	5.9
130°-140°	710.2	5.5	5.1
140°-150°	496.9	3.9	3.5
150°-160°	273.1	2.1	2.0
160°-170°	107.2	0.8	0.8
170°-180°	26.8	0.2	0.2
0°-90°	8112.9	63.0	57.9
0°-180°	12874.6	100.0	92.0

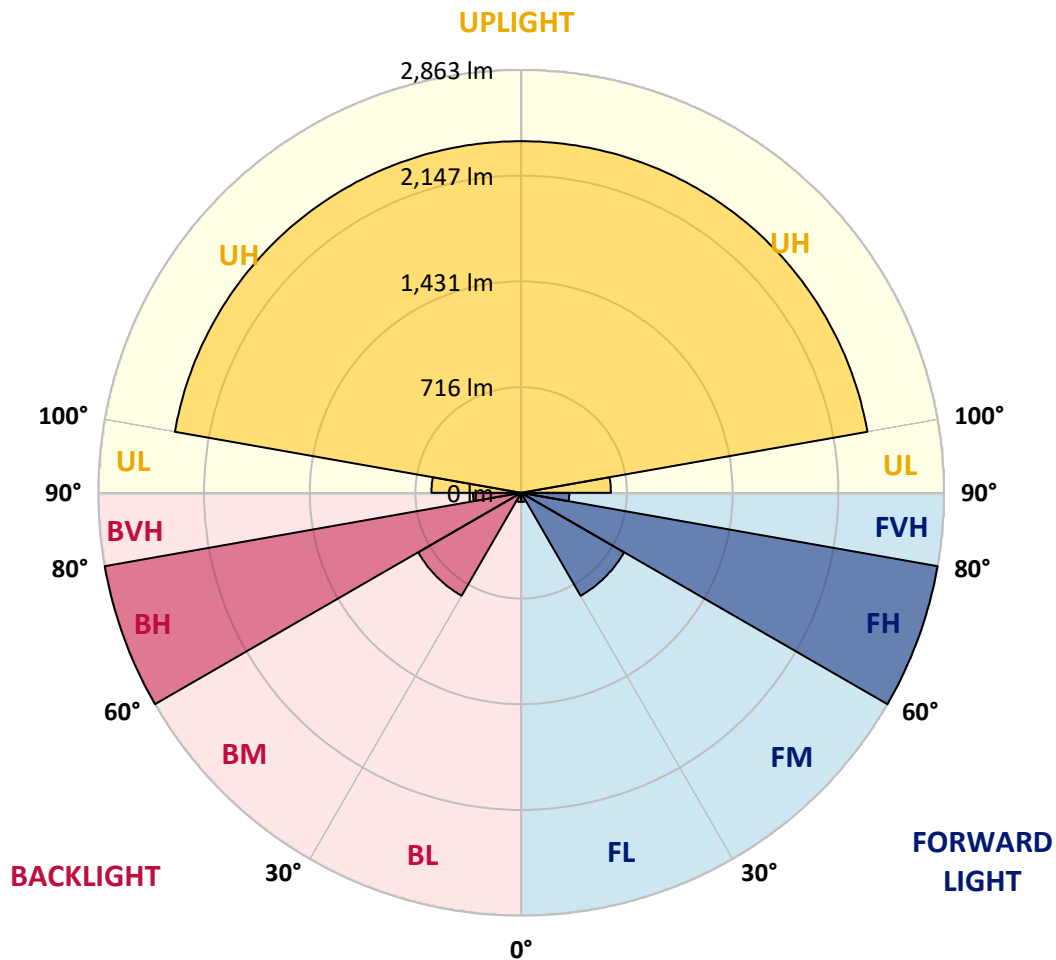


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	62.3	0.4			
FM (30°-60°)	805.3	5.8			
FH (60°-80°)	2862.9	20.4			G2/5000
FVH (80°-90°)	326.0	2.3			G3/500
BL (0°-30°)	62.3	0.4	B0/110		
BM (30°-60°)	805.3	5.8	B1/1000		
BH (60°-80°)	2862.9	20.4	B4/5000		G2/5000
BVH (80°-90°)	326.0	2.3			G3/500
UL (90°-100°)	607.5	4.3		U4/1000	
UH (100°-180°)	2380.8	17.0		U5	
Trapped Light	1125.4	8.0			

**BUG Rating: B4-U5-G3**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	93
2.5°	88
5°	87
7.5°	92
10°	93
12.5°	98
15°	102
17.5°	111
20°	120
22.5°	142
25°	181
27.5°	221
30°	245
32.5°	271
35°	299
37.5°	364
40°	478
42.5°	574
45°	678
47.5°	800
50°	852
52.5°	921
55°	999
57.5°	1020
60°	1048
62.5°	1825
65°	2911
67.5°	3778
70°	4120
72.5°	3870
75°	2826
77.5°	1882
80°	1132
82.5°	667
85°	494
87.5°	444
90°	445
95°	544
105°	846
115°	835
125°	917
135°	1000
145°	751
155°	662
165°	285



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**CANDELA DISTRIBUTION (continued):**

	0°
175°	281
180°	279

(END OF REPORT)