

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: 768046\_150MP

Luminaire Tested: **ARC15PXX55X1XP**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: 768046\_150MP  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARC15PXX55X1XP  
Description: REFRACTIVE GLOBE TYPE V POLYCARBONATE  
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: 11863 lumens  
Efficiency: 84.7%  
Efficacy: 64.1 lumens/watt  
Luminous Opening: Point Source (0' x 0' x 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U5 - G3

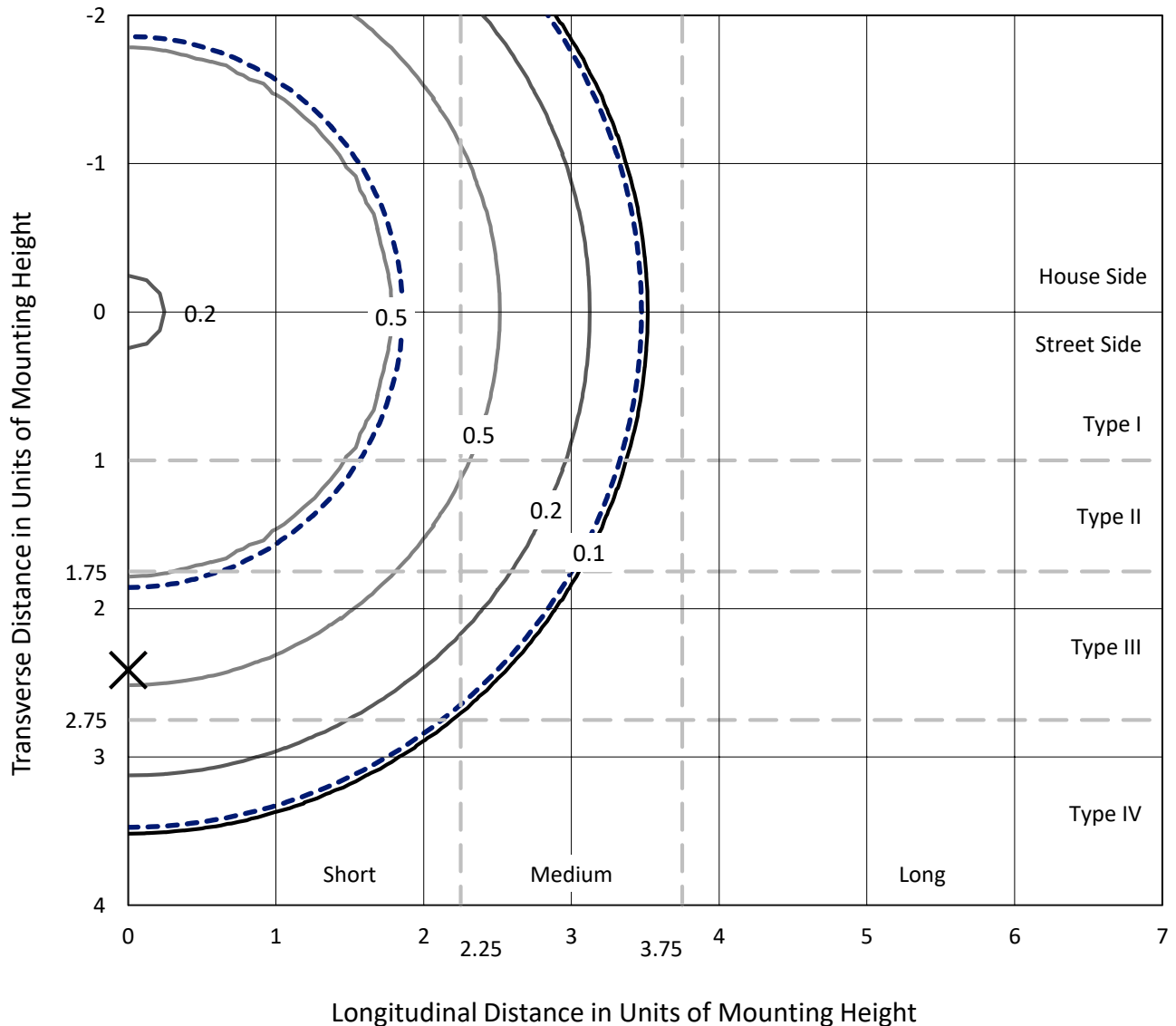
Input Watts (W): 185  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

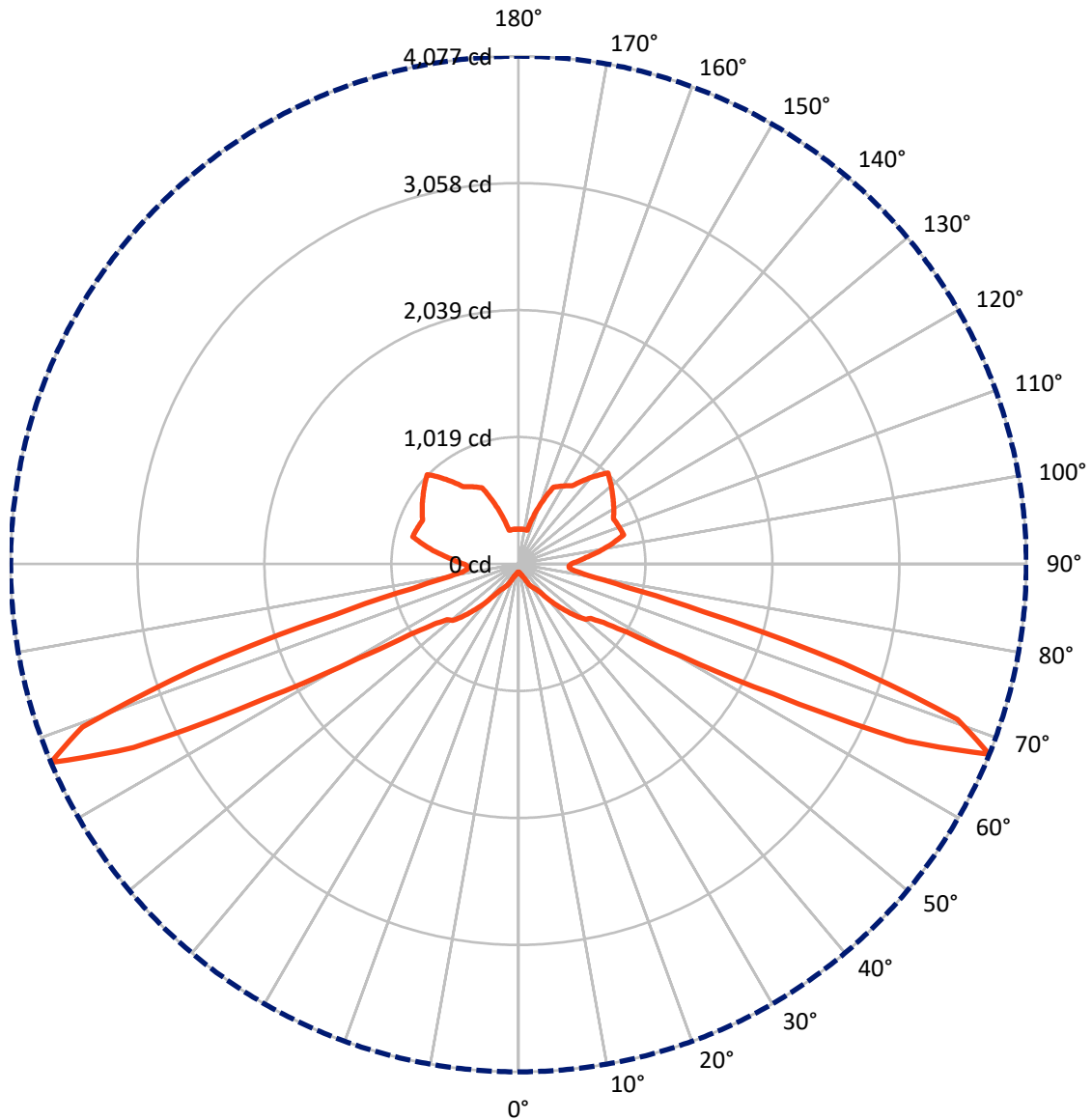
× Max cd  
 - - - 1/2 Max cd



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 67.5-Deg Vertical

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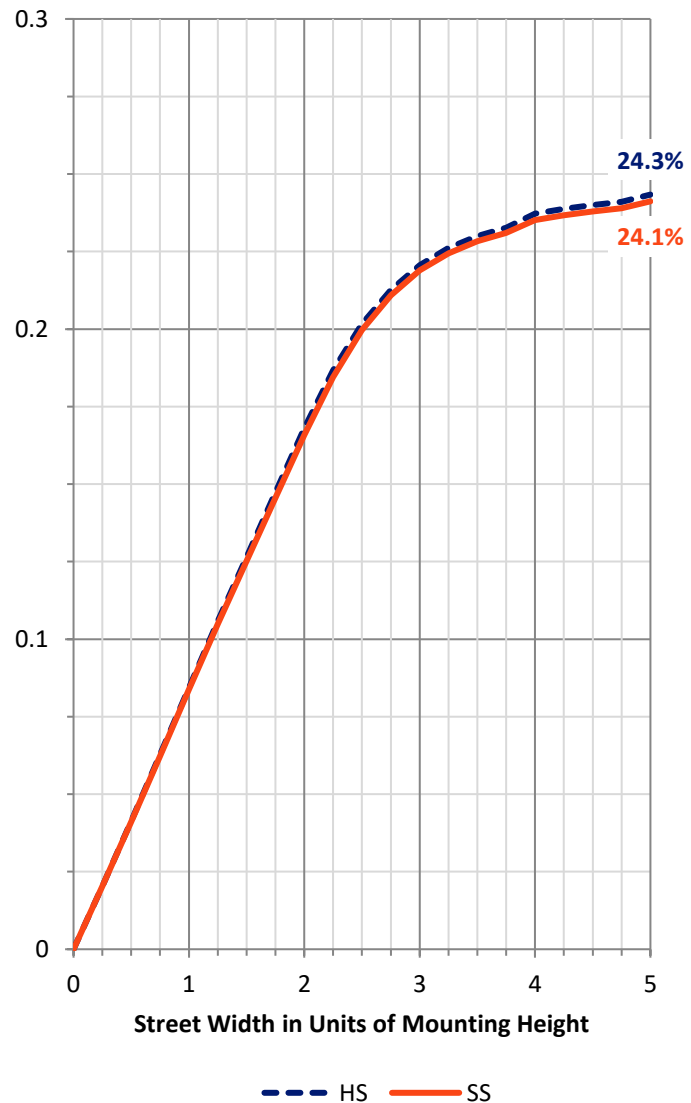
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3510.7	2420.8	5931.5
	% Lamp	25.1	17.3	42.4
<b>Street Side</b>	Lumens	3510.7	2420.8	5931.5
	% Lamp	25.1	17.3	42.4
<b>Total</b>	Lumens	7021.4	4841.5	11863.0
	% Lamp	50.2	34.6	84.7

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	6.9	0.1	0.0
10°-20°	26.7	0.2	0.2
20°-30°	75.0	0.6	0.5
30°-40°	169.7	1.4	1.2
40°-50°	419.7	3.5	3.0
50°-60°	831.3	7.0	5.9
60°-70°	3097.4	26.1	22.1
70°-80°	1912.4	16.1	13.7
80°-90°	482.3	4.1	3.4
90°-100°	606.2	5.1	4.3
100°-110°	830.5	7.0	5.9
110°-120°	867.8	7.3	6.2
120°-130°	837.1	7.1	6.0
130°-140°	724.5	6.1	5.2
140°-150°	506.3	4.3	3.6
150°-160°	277.3	2.3	2.0
160°-170°	107.7	0.9	0.8
170°-180°	26.7	0.2	0.2
0°-90°	7021.4	59.2	50.2
0°-180°	11863.0	100.0	84.7

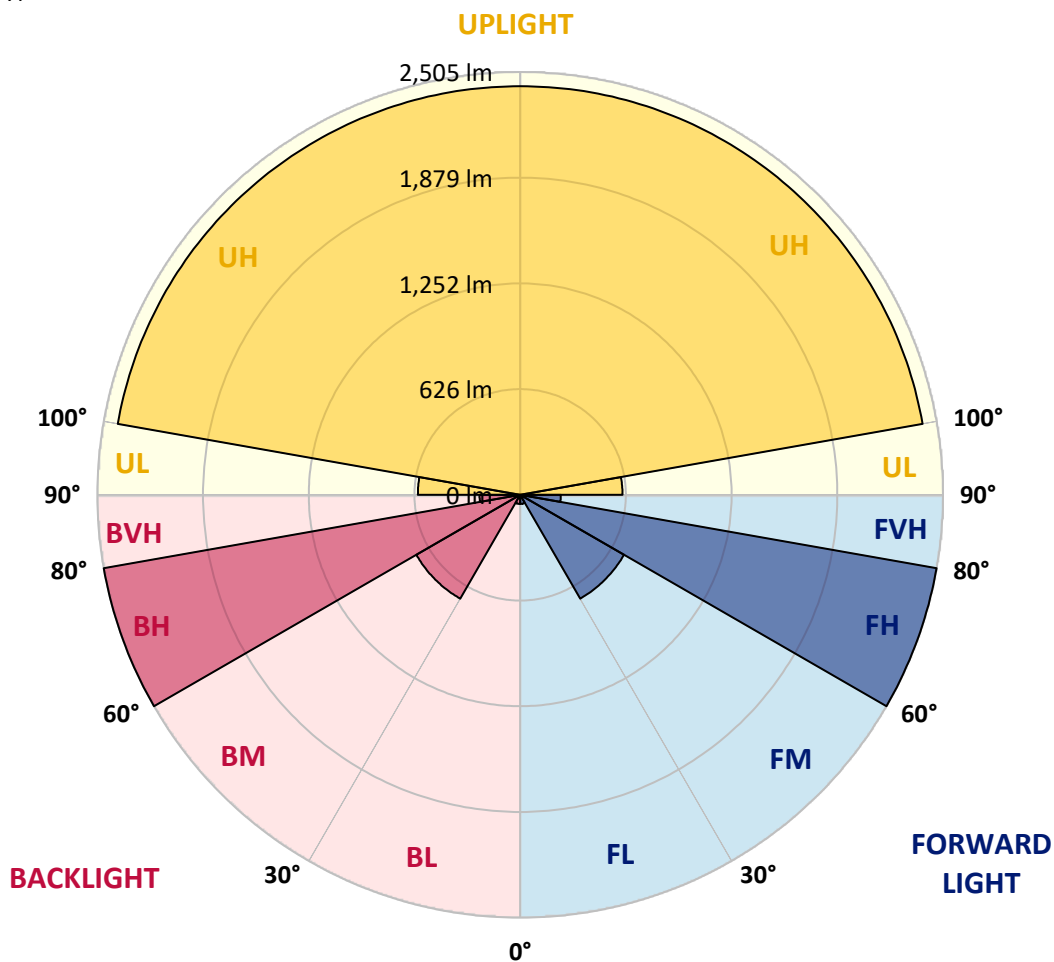


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	54.3	0.4			
FM	(30°-60°)	710.4	5.1			
FH	(60°-80°)	2504.9	17.9			G2/5000
FVH	(80°-90°)	241.2	1.7			G3/500
BL	(0°-30°)	54.3	0.4	B0/110		
BM	(30°-60°)	710.4	5.1	B1/1000		
BH	(60°-80°)	2504.9	17.9	B4/5000		G2/5000
BVH	(80°-90°)	241.2	1.7			G3/500
UL	(90°-100°)	606.2	4.3		U4/1000	
UH	(100°-180°)	2420.8	17.3		U5	
Trapped Light		2137.0	15.3			

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





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	65
2.5°	66
5°	68
7.5°	74
10°	77
12.5°	85
15°	90
17.5°	100
20°	112
22.5°	130
25°	157
27.5°	189
30°	208
32.5°	229
35°	252
37.5°	297
40°	373
42.5°	455
45°	537
47.5°	623
50°	697
52.5°	725
55°	827
57.5°	1031
60°	1495
62.5°	2294
65°	3423
67.5°	4077
70°	3738
72.5°	2722
75°	1536
77.5°	867
80°	574
82.5°	452
85°	409
87.5°	407
90°	428
95°	543
105°	876
115°	845
125°	931
135°	1025
145°	761
155°	677
165°	281



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**CANDELA DISTRIBUTION (continued):**

	0°
175°	281
180°	279

(END OF REPORT)