

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: 768066

Luminaire Tested: **ACN15SXX55X1X**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: 768066  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ACN15SXX55X1X  
Description: REFRACTIVE GLOBE TYPE V ACRYLIC  
WITH CLEAR TOP  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 16000 (1 lamp)  
Luminaire Lumens: 15187.2 lumens  
Efficiency: 94.9%  
Efficacy: 101.2 lumens/watt  
Luminous Opening: Point Source (0' x 0' x 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U5 - G4

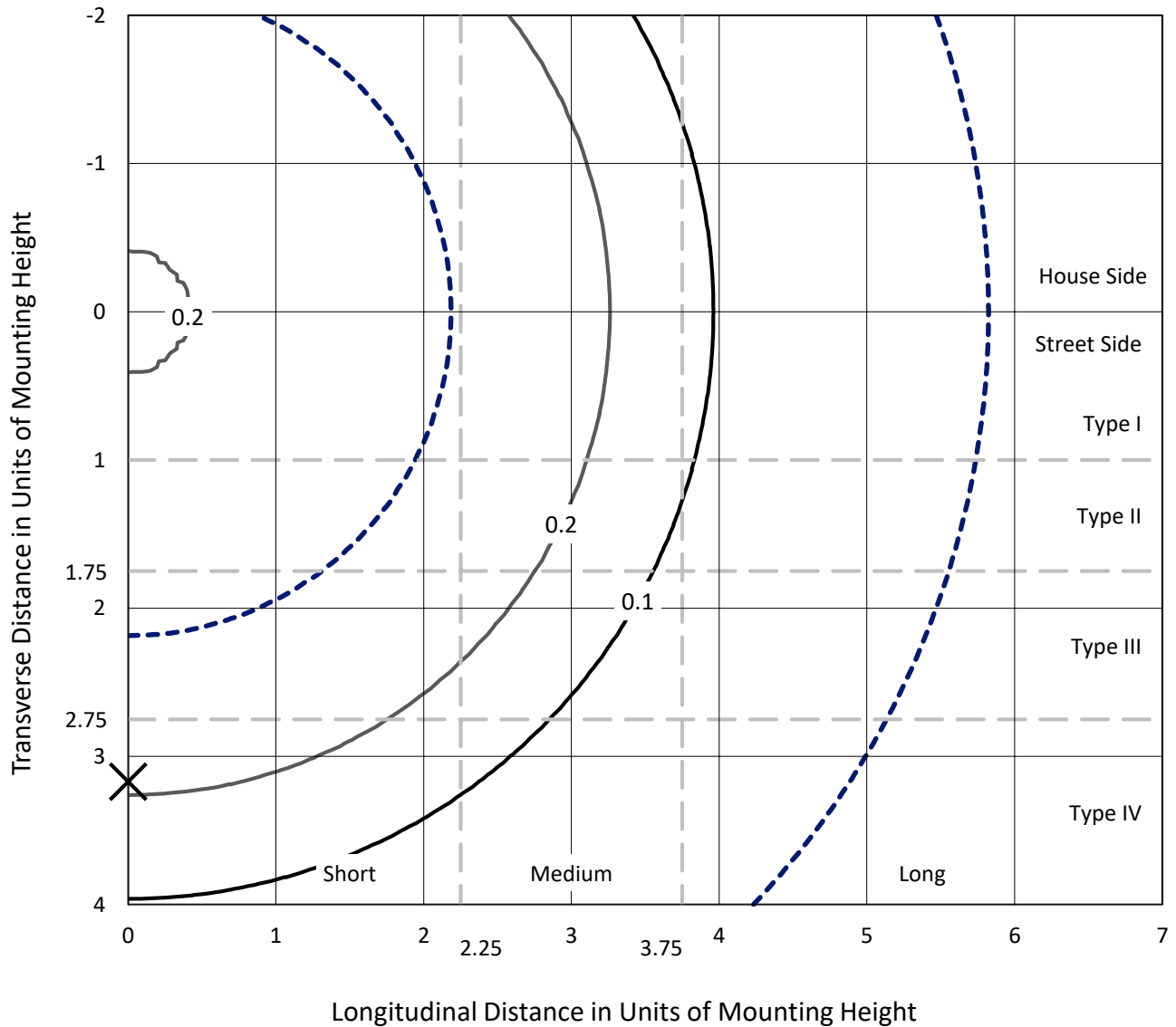
Input Watts (W): 150  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: 768066  
 CATALOG NUMBER: ACN15SXX55X1X

### Iso-Footcandle Lines of Horizontal Illumination

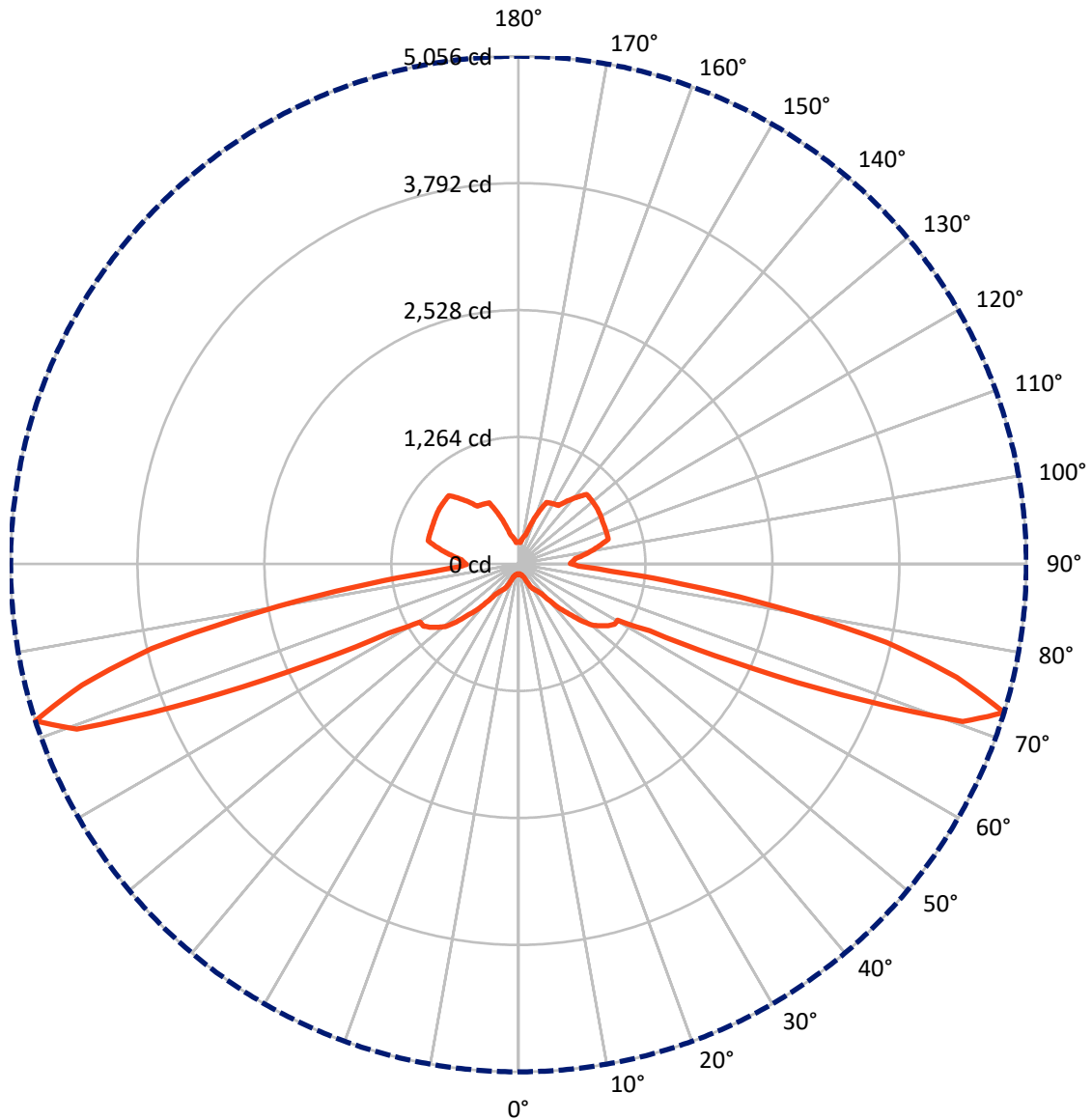
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type V - Short - Non-Cutoff

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CATALOG NUMBER: ACN15SXX55X1X

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical



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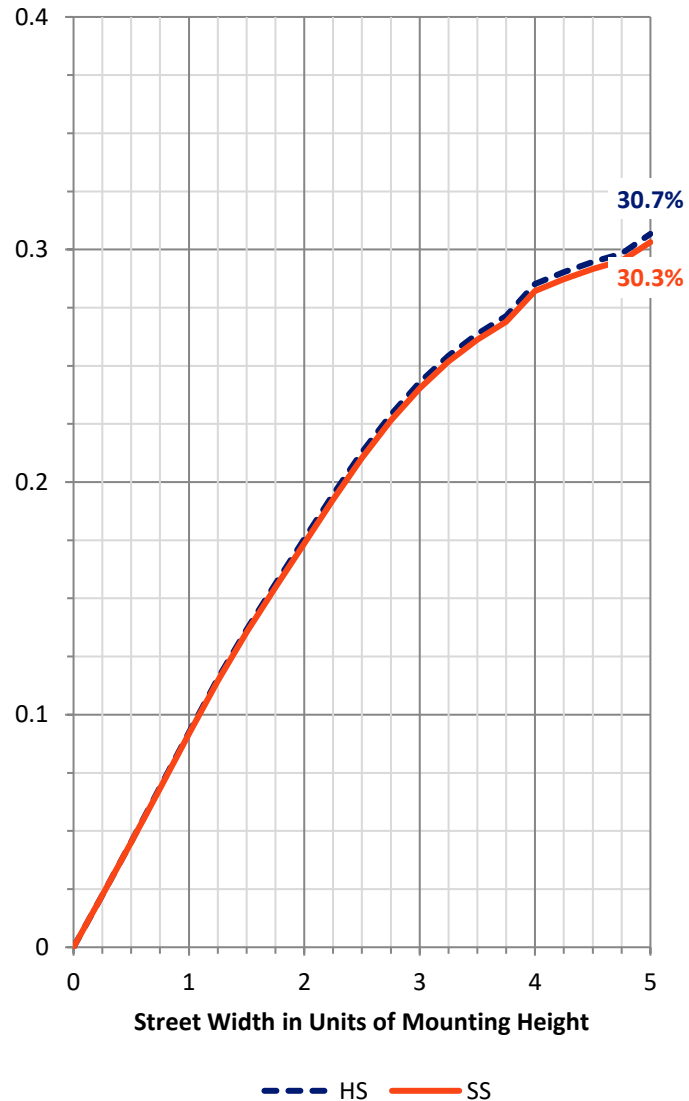
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5102.7	2490.9	7593.6
	% Lamp	31.9	15.6	47.5
<b>Street Side</b>	Lumens	5102.7	2490.9	7593.6
	% Lamp	31.9	15.6	47.5
<b>Total</b>	Lumens	10205.4	4981.8	15187.2
	% Lamp	63.8	31.1	94.9

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	9.8	0.1	0.1
10°-20°	33.2	0.2	0.2
20°-30°	94.6	0.6	0.6
30°-40°	222.6	1.5	1.4
40°-50°	562.7	3.7	3.5
50°-60°	962.6	6.3	6.0
60°-70°	2551.4	16.8	15.9
70°-80°	4480.1	29.5	28.0
80°-90°	1288.4	8.5	8.1
90°-100°	656.7	4.3	4.1
100°-110°	889.4	5.9	5.6
110°-120°	933.1	6.1	5.8
120°-130°	858.4	5.7	5.4
130°-140°	698.7	4.6	4.4
140°-150°	480.4	3.2	3.0
150°-160°	273.2	1.8	1.7
160°-170°	106.4	0.7	0.7
170°-180°	22.9	0.2	0.1
0°-90°	10205.4	67.2	63.8
0°-180°	15187.2	100.0	94.9



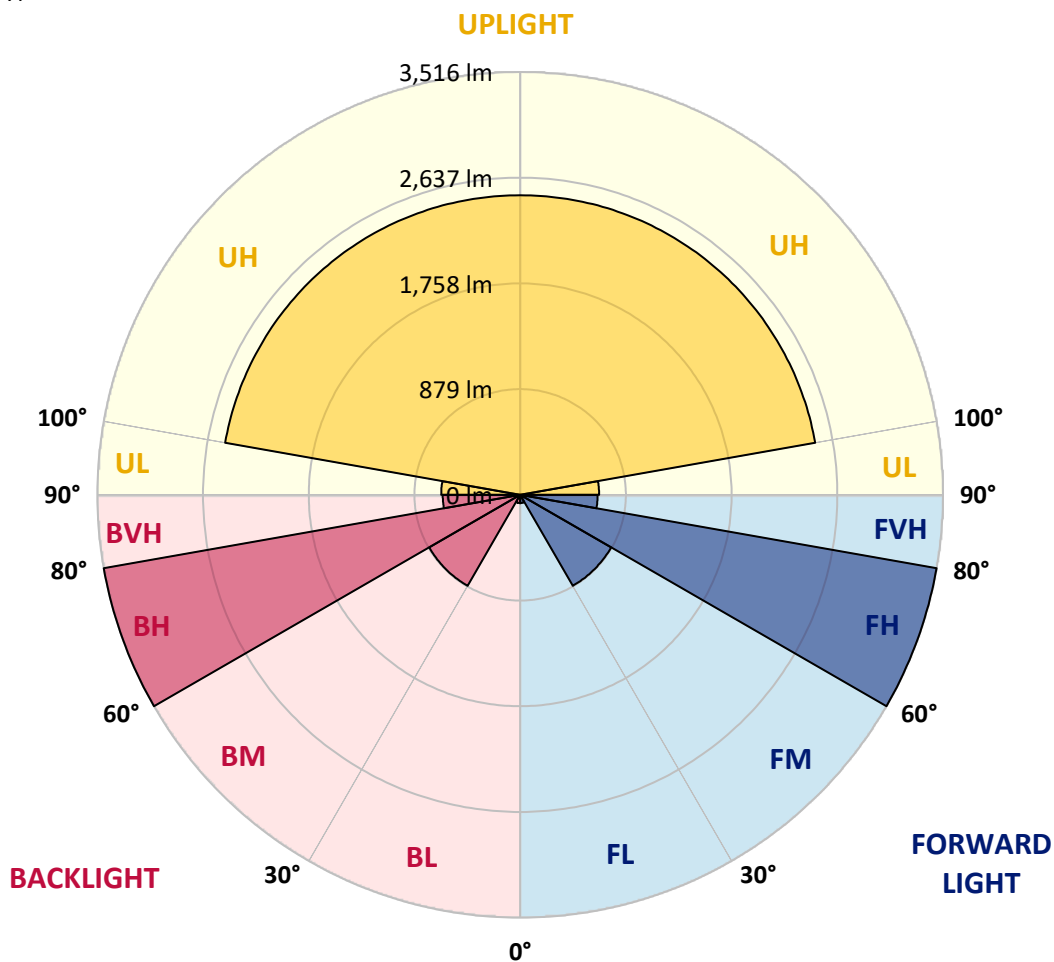
REPORT NUMBER: 768066

CATALOG NUMBER: ACN15SXX55X1X

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

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	68.8	0.4			
FM	(30°-60°)	874.0	5.5			
FH	(60°-80°)	3515.8	22.0			G2/5000
FVH	(80°-90°)	644.2	4.0			G4/750
BL	(0°-30°)	68.8	0.4	B0/110		
BM	(30°-60°)	874.0	5.5	B1/1000		
BH	(60°-80°)	3515.8	22.0	B4/5000		G2/5000
BVH	(80°-90°)	644.2	4.0			G4/750
UL	(90°-100°)	656.7	4.1		U4/1000	
UH	(100°-180°)	2490.9	15.6		U5	
Trapped Light		812.8	5.1			

**BUG Rating: B4-U5-G4**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	105
2.5°	101
5°	98
7.5°	104
10°	105
12.5°	111
15°	115
17.5°	120
20°	130
22.5°	145
25°	193
27.5°	251
30°	285
32.5°	306
35°	337
37.5°	378
40°	481
42.5°	608
45°	708
47.5°	845
50°	958
52.5°	1023
55°	1084
57.5°	1131
60°	1135
62.5°	1465
65°	2332
67.5°	3476
70°	4693
72.5°	5056
75°	4509
77.5°	3747
80°	2627
82.5°	1635
85°	930
87.5°	597
90°	517
95°	571
105°	928
115°	936
125°	960
135°	971
145°	707
155°	674
165°	306



REPORT NUMBER: 768066

CATALOG NUMBER: ACN15SXX55X1X

**CANDELA DISTRIBUTION (continued):**

	0°
175°	215
180°	220

(END OF REPORT)