

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: 768741\_150MP

Luminaire Tested: **ACN15PXX55X4R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: 768741\_150MP  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ACN15PXX55X4R  
Description: 175 WATT MH TYPE V REFRACTIVE GLOBE  
W/SPUN TOP  
Light Source: 150 WATT PULSE-START CLEAR ED-28 VBD BURN  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 14000 (1 lamp)  
Luminaire Lumens: 11362.1 lumens  
Efficiency: 81.2%  
Efficacy: 61.4 lumens/watt  
Luminous Opening: Point Source (0' x 0' x 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B4 - U4 - G4

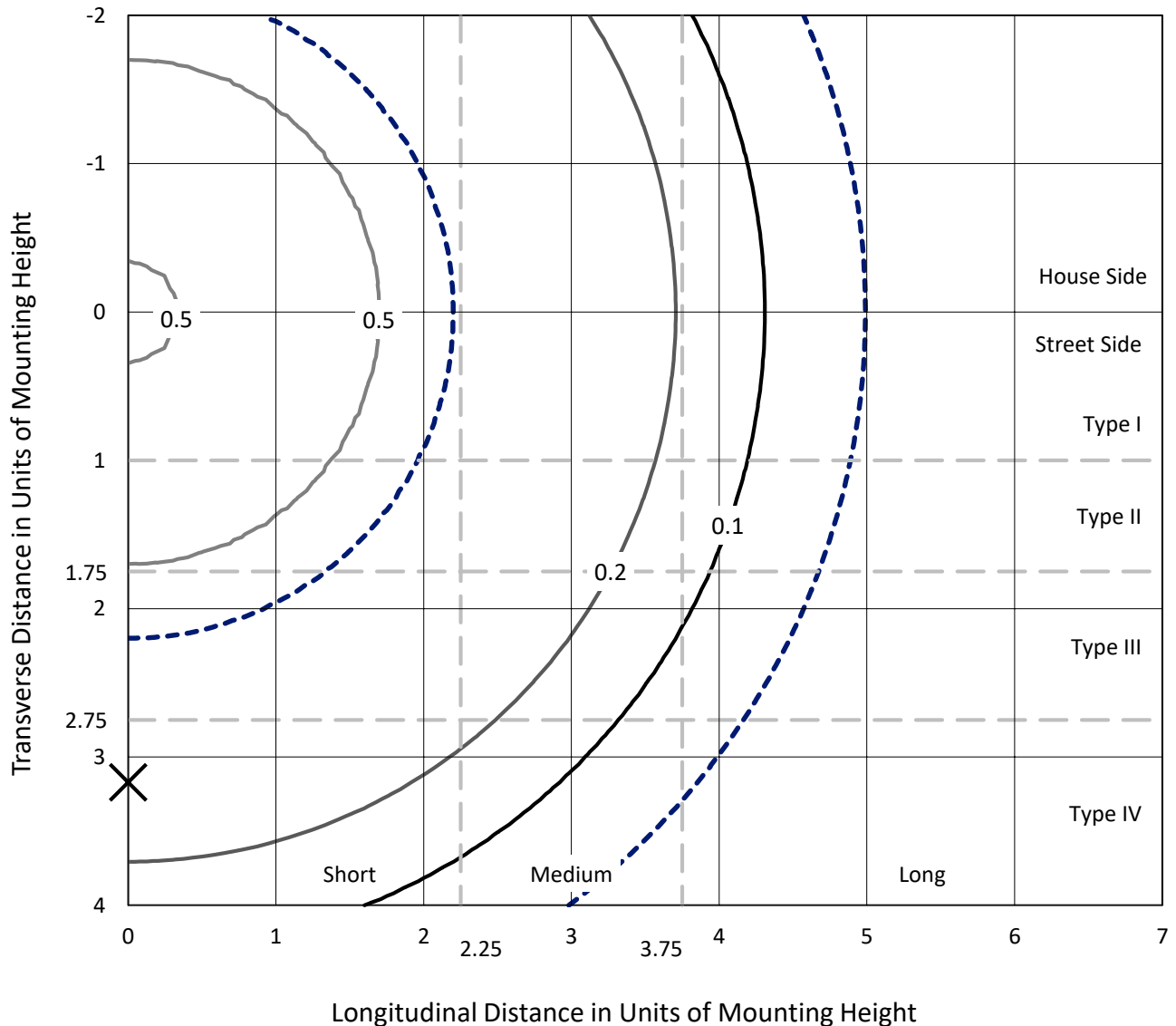
Input Watts (W): 185  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

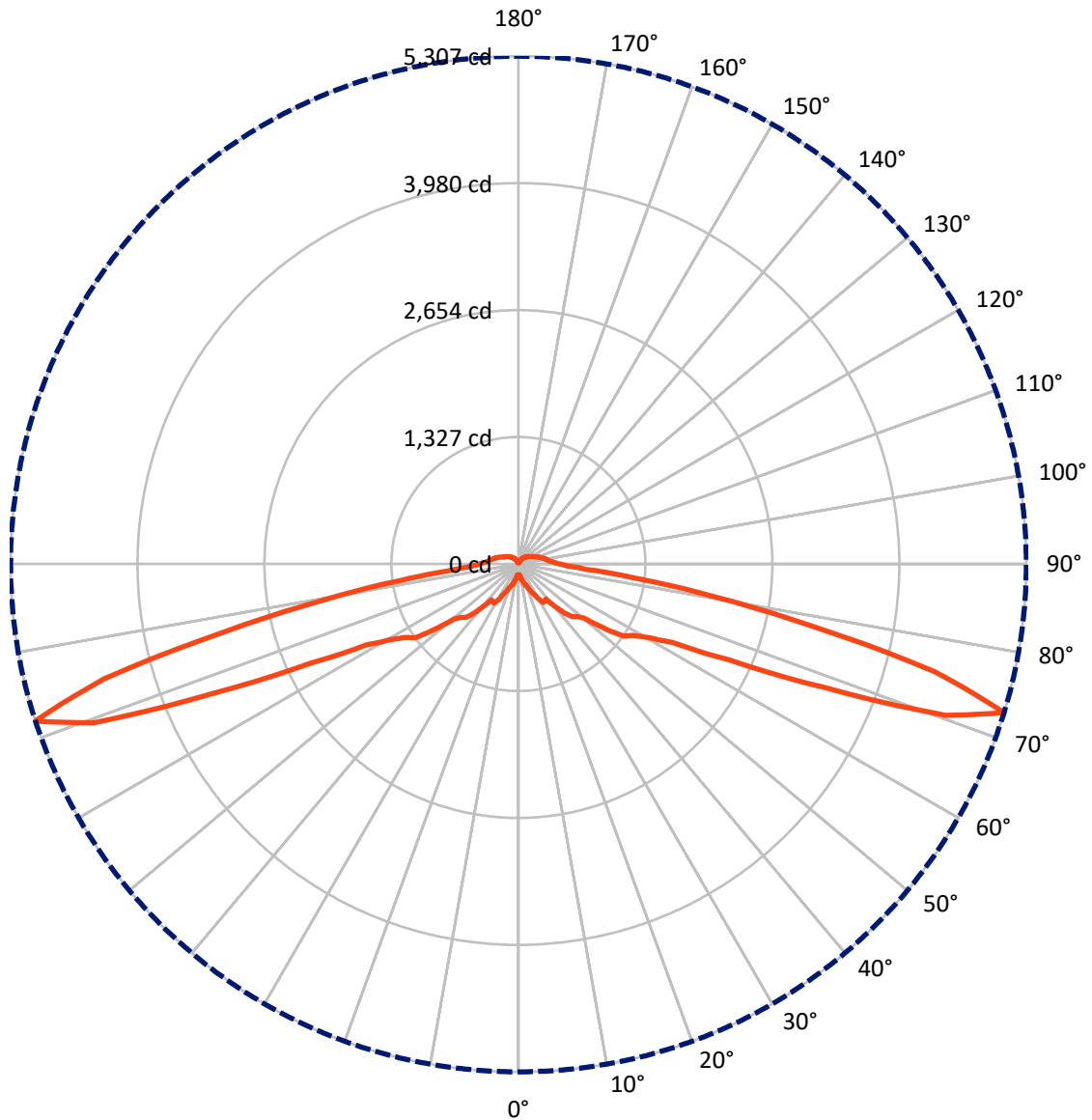
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



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

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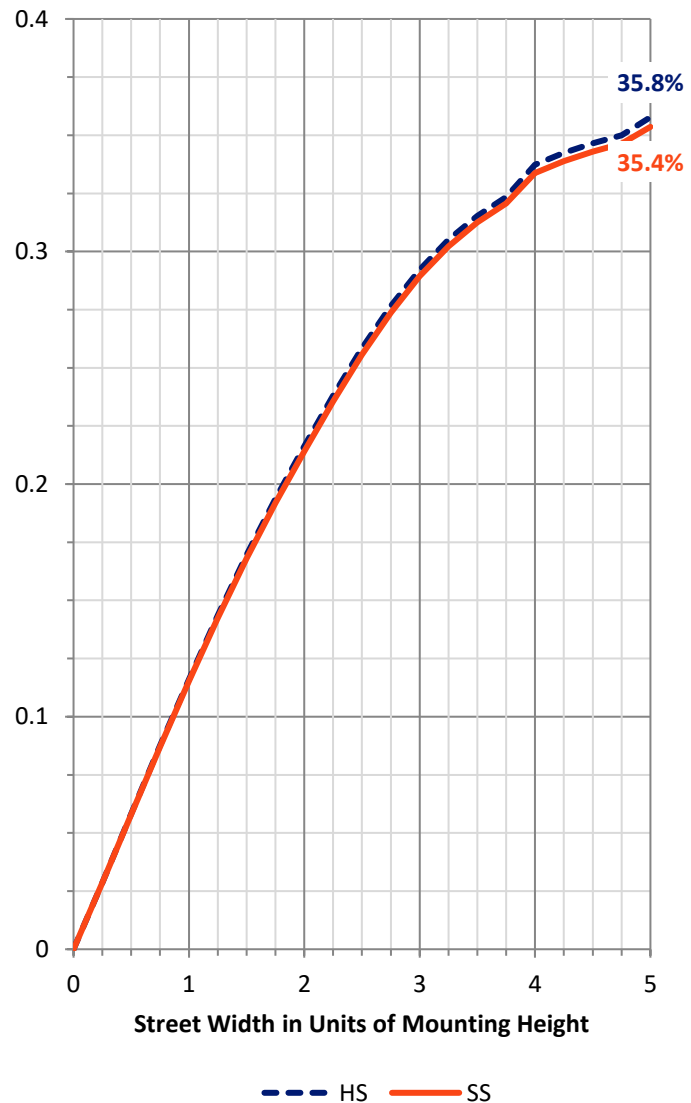
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5142.7	538.4	5681.1
	% Lamp	36.7	3.8	40.6
<b>Street Side</b>	Lumens	5142.7	538.4	5681.1
	% Lamp	36.7	3.8	40.6
<b>Total</b>	Lumens	10285.4	1076.7	11362.1
	% Lamp	73.5	7.7	81.2

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	12.4	0.1	0.1
10°-20°	58.5	0.5	0.4
20°-30°	155.1	1.4	1.1
30°-40°	302.8	2.7	2.2
40°-50°	587.0	5.2	4.2
50°-60°	1140.6	10.0	8.1
60°-70°	2701.1	23.8	19.3
70°-80°	4314.4	38.0	30.8
80°-90°	1013.4	8.9	7.2
90°-100°	368.4	3.2	2.6
100°-110°	263.9	2.3	1.9
110°-120°	182.4	1.6	1.3
120°-130°	122.9	1.1	0.9
130°-140°	78.6	0.7	0.6
140°-150°	42.9	0.4	0.3
150°-160°	17.9	0.2	0.1
160°-170°	5.3	0.0	0.0
170°-180°	1.0	0.0	0.0
0°-90°	10285.4	90.5	73.5
0°-180°	11362.1	100.0	81.2

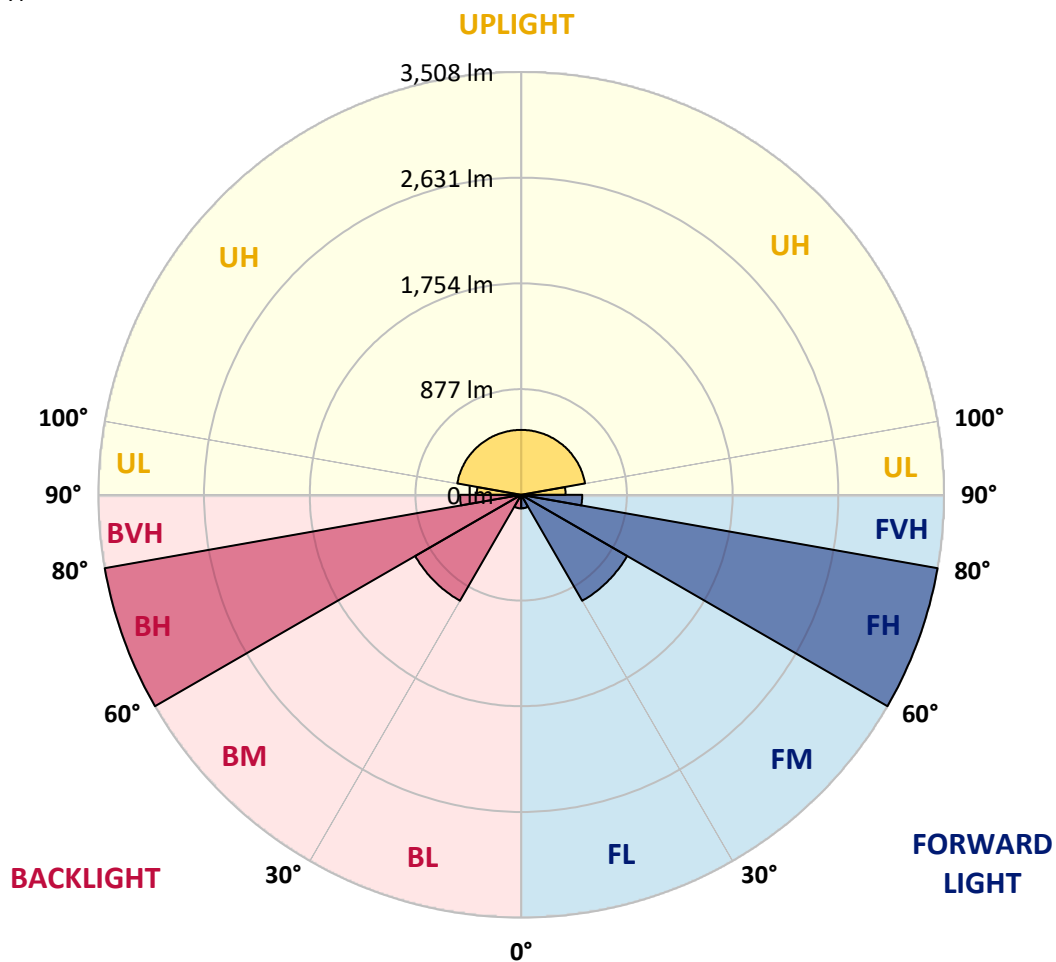


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.0	0.8			
FM (30°-60°)	1015.2	7.3			
FH (60°-80°)	3507.8	25.1			G2/5000
FVH (80°-90°)	506.7	3.6			G4/750
BL (0°-30°)	113.0	0.8	B1/500		
BM (30°-60°)	1015.2	7.3	B2/2500		
BH (60°-80°)	3507.8	25.1	B4/5000		G2/5000
BVH (80°-90°)	506.7	3.6			G4/750
UL (90°-100°)	368.4	2.6		U3/500	
UH (100°-180°)	538.4	3.8		U4/1000	
Trapped Light	2637.9	18.8			

**BUG Rating: B4-U4-G4**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	118
2.5°	112
5°	115
7.5°	134
10°	152
12.5°	176
15°	202
17.5°	229
20°	245
22.5°	282
25°	327
27.5°	370
30°	435
32.5°	482
35°	473
37.5°	467
40°	567
42.5°	691
45°	781
47.5°	818
50°	885
52.5°	1105
55°	1328
57.5°	1407
60°	1556
62.5°	1803
65°	2414
67.5°	3441
70°	4735
72.5°	5307
75°	4495
77.5°	3154
80°	2074
82.5°	1262
85°	713
87.5°	505
90°	413
95°	325
105°	249
115°	175
125°	136
135°	101
145°	68
155°	36
165°	15



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**CANDELA DISTRIBUTION (continued):**

	0°
175°	9
180°	9

(END OF REPORT)