

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: 768742

Luminaire Tested: **ACN17MXX55X4X**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: 768742  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ACN17MXX55X4X  
Description: 175WATT MH TYPE V REFRACTIVE GLOBE  
W/SPUN TOP  
Light Source: 175 WATT MH CLEAR ED-28  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 14000 (1 lamp)  
Luminaire Lumens: 9077.3 lumens  
Efficiency: 64.8%  
Efficacy: 51.9 lumens/watt  
Luminous Opening: Point Source (0' x 0' x 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B4 - U4 - G3

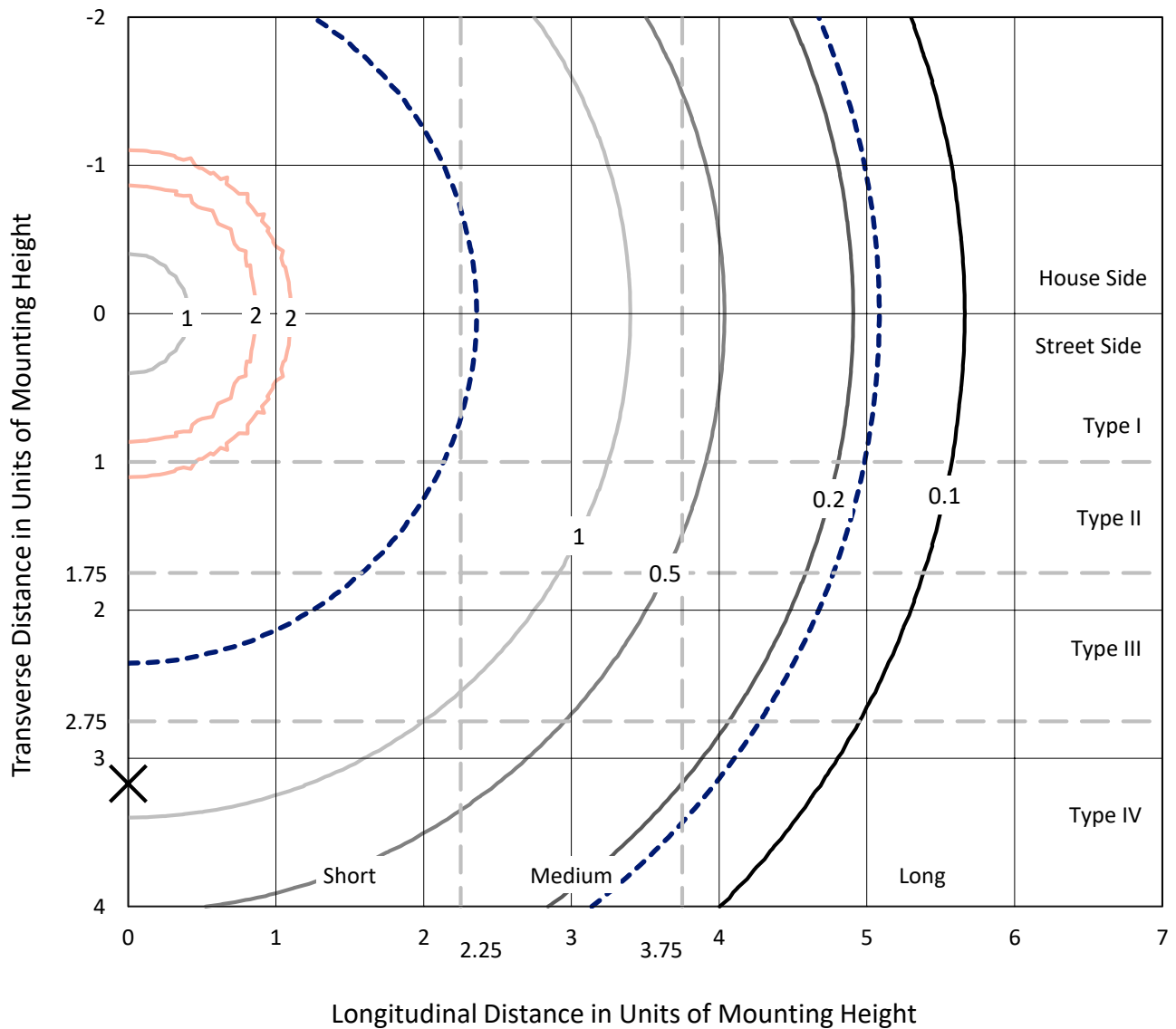
Input Watts (W): 175  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

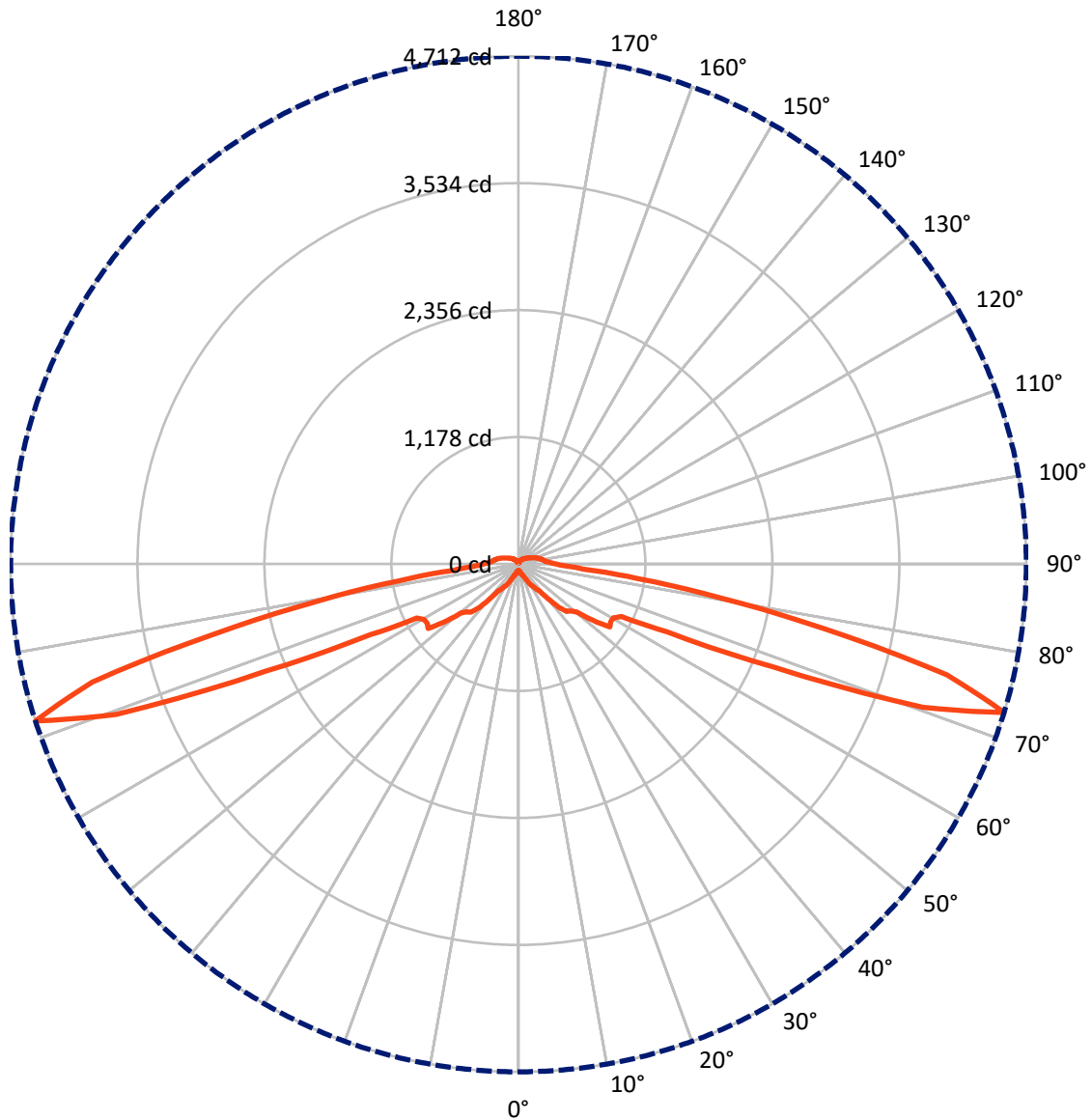


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - Semi-Cutoff

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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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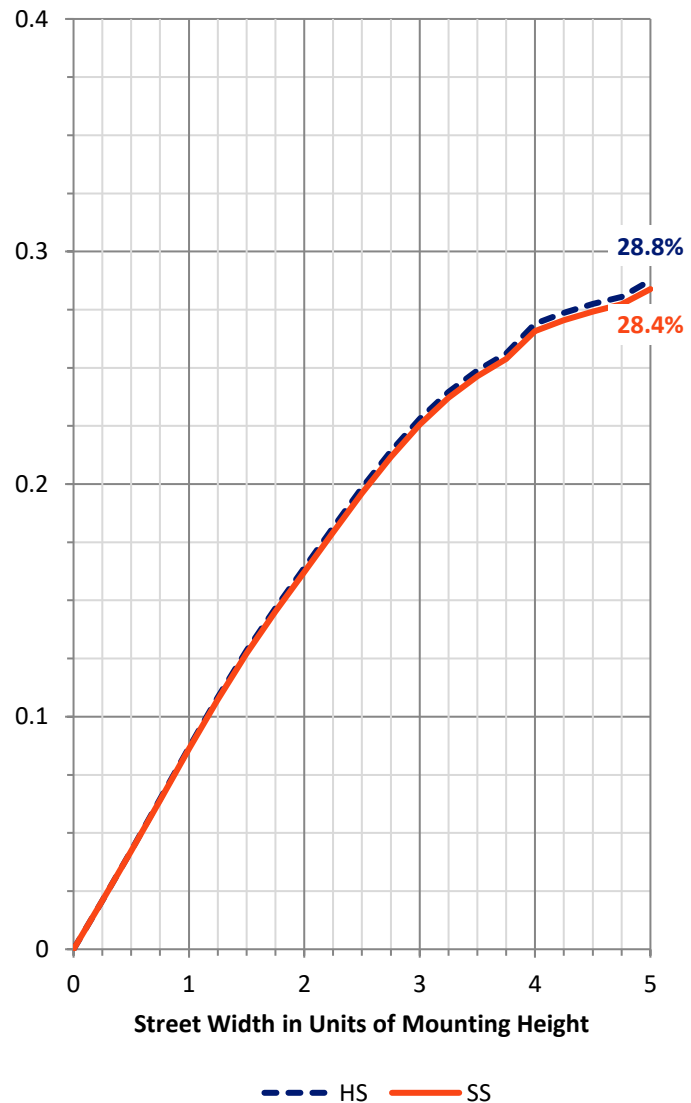
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4133.7	405.0	4538.6
	% Lamp	29.5	2.9	32.4
<b>Street Side</b>	Lumens	4133.7	405.0	4538.6
	% Lamp	29.5	2.9	32.4
<b>Total</b>	Lumens	8267.3	810.0	9077.3
	% Lamp	59.1	5.8	64.8

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	6.3	0.1	0.0
10°-20°	26.4	0.3	0.2
20°-30°	73.6	0.8	0.5
30°-40°	186.1	2.0	1.3
40°-50°	463.1	5.1	3.3
50°-60°	847.3	9.3	6.1
60°-70°	1912.3	21.1	13.7
70°-80°	3868.2	42.6	27.6
80°-90°	884.1	9.7	6.3
90°-100°	289.2	3.2	2.1
100°-110°	205.8	2.3	1.5
110°-120°	137.0	1.5	1.0
120°-130°	85.9	0.9	0.6
130°-140°	52.3	0.6	0.4
140°-150°	28.4	0.3	0.2
150°-160°	12.2	0.1	0.1
160°-170°	3.5	0.0	0.0
170°-180°	0.5	0.0	0.0
0°-90°	8267.3	91.1	59.1
0°-180°	9077.3	100.0	64.8



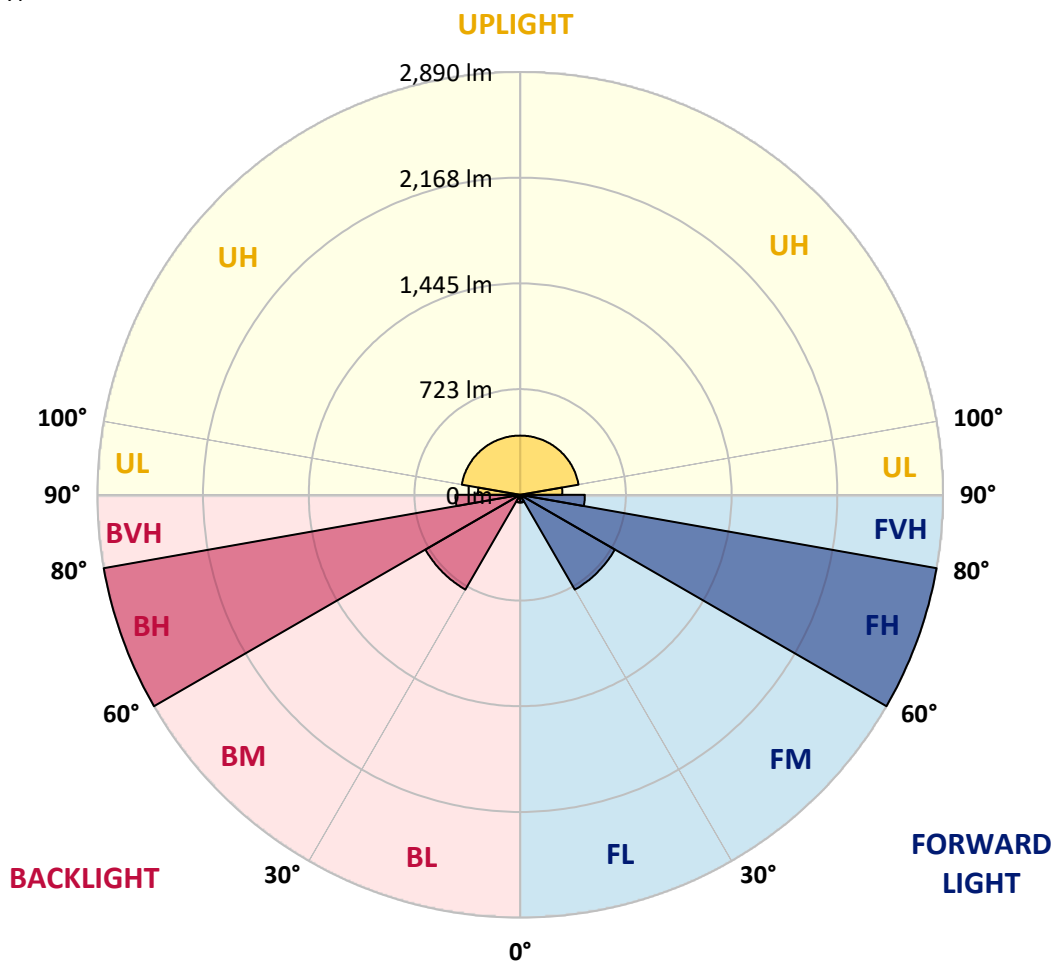
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	53.2	0.4			
FM (30°-60°)	748.2	5.3			
FH (60°-80°)	2890.2	20.6			G2/5000
FVH (80°-90°)	442.1	3.2			G3/500
BL (0°-30°)	53.2	0.4	B0/110		
BM (30°-60°)	748.2	5.3	B1/1000		
BH (60°-80°)	2890.2	20.6	B4/5000		G2/5000
BVH (80°-90°)	442.1	3.2			G3/500
UL (90°-100°)	289.2	2.1		U3/500	
UH (100°-180°)	405.0	2.9		U3/500	
Trapped Light	4922.7	35.2			

**BUG Rating: B4-U4-G3**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	69
2.5°	64
5°	60
7.5°	66
10°	73
12.5°	81
15°	92
17.5°	100
20°	111
22.5°	126
25°	147
27.5°	181
30°	227
32.5°	246
35°	289
37.5°	313
40°	420
42.5°	542
45°	627
47.5°	650
50°	698
52.5°	872
55°	1029
57.5°	1009
60°	1014
62.5°	1070
65°	1517
67.5°	2547
70°	3981
72.5°	4712
75°	4105
77.5°	2912
80°	1889
82.5°	1122
85°	606
87.5°	412
90°	329
95°	253
105°	197
115°	131
125°	93
135°	66
145°	45
155°	25
165°	10



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CANDELA DISTRIBUTION (continued):

	0°
175°	4
180°	4

(END OF REPORT)