

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_150MP

Luminaire Tested: **ARC15PXX55X4X**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 768742_150MP
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARC15PXX55X4X
Description: 175WATT 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: 9077.3 lumens
Efficiency: 64.8%
Efficacy: 49.1 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U4 - G3

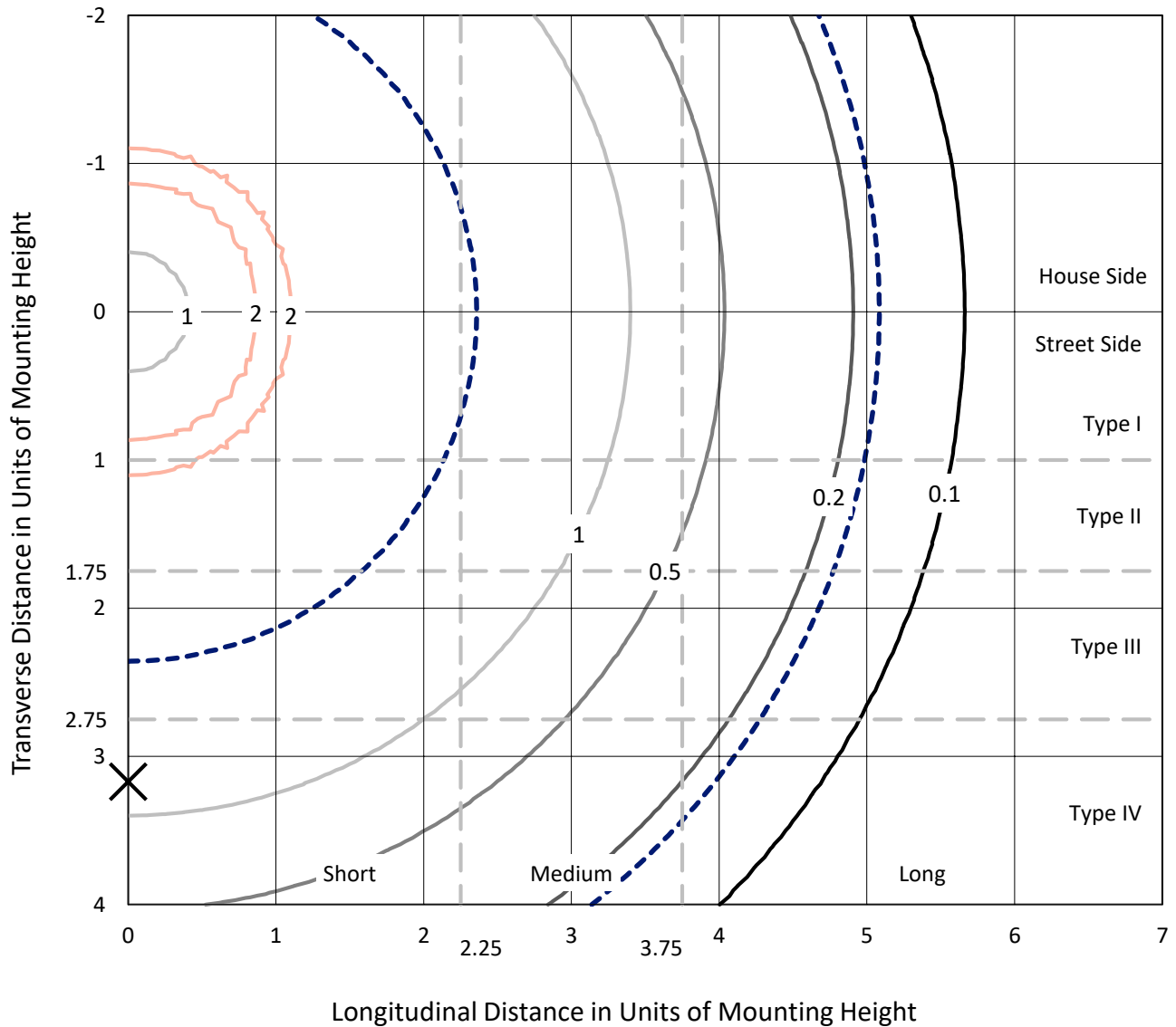
Input Watts (W): 185
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

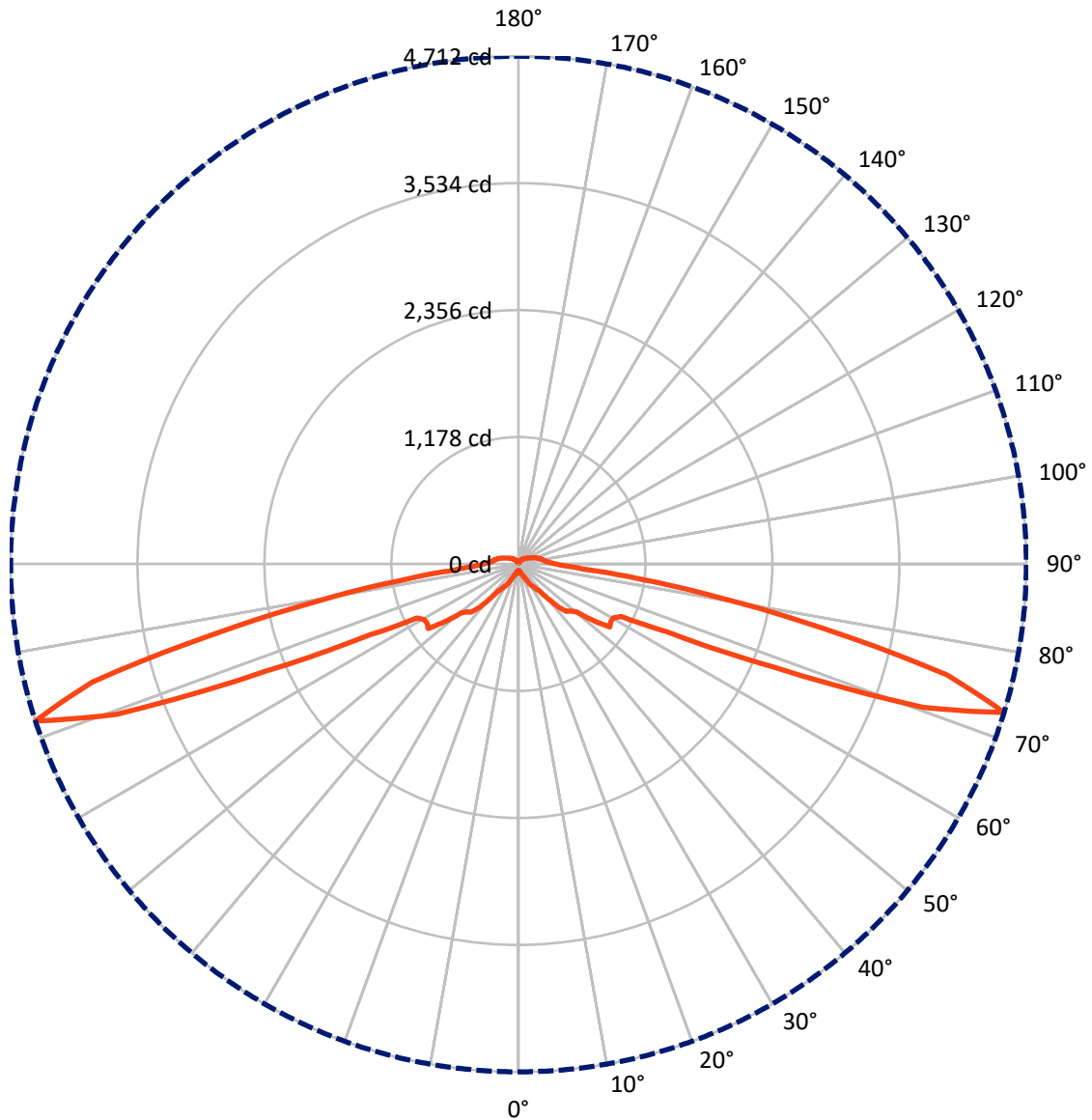
× Max cd
 - - - 1/2 Max cd



Based on 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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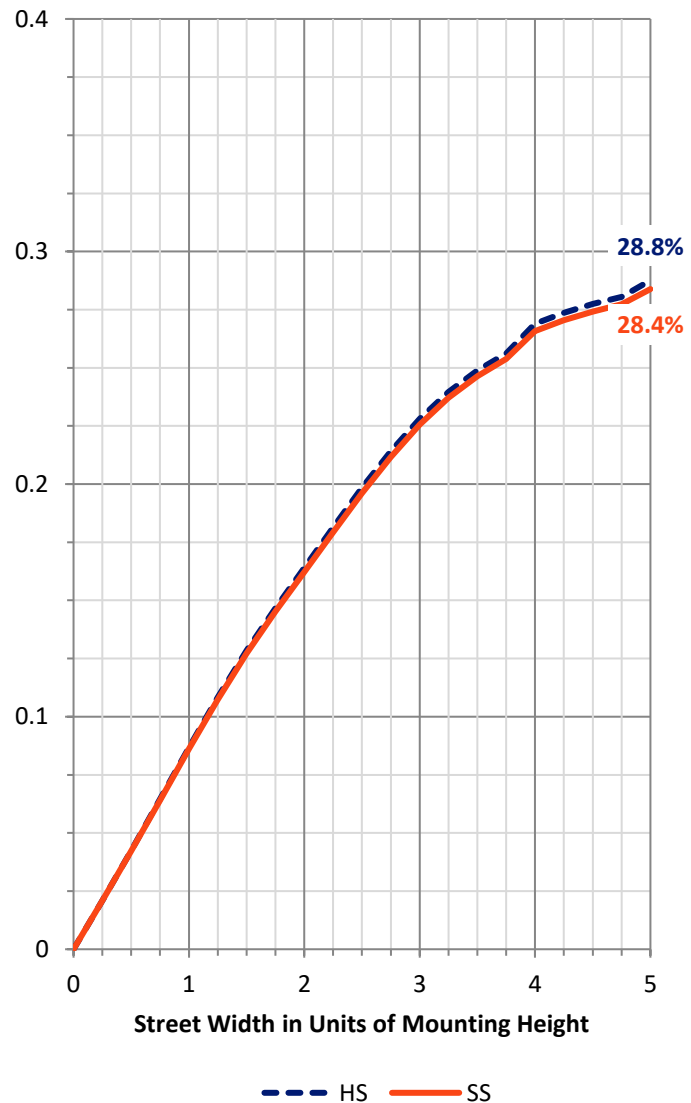
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4133.7	405.0	4538.6
	% Lamp	29.5	2.9	32.4
Street Side	Lumens	4133.7	405.0	4538.6
	% Lamp	29.5	2.9	32.4
Total	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

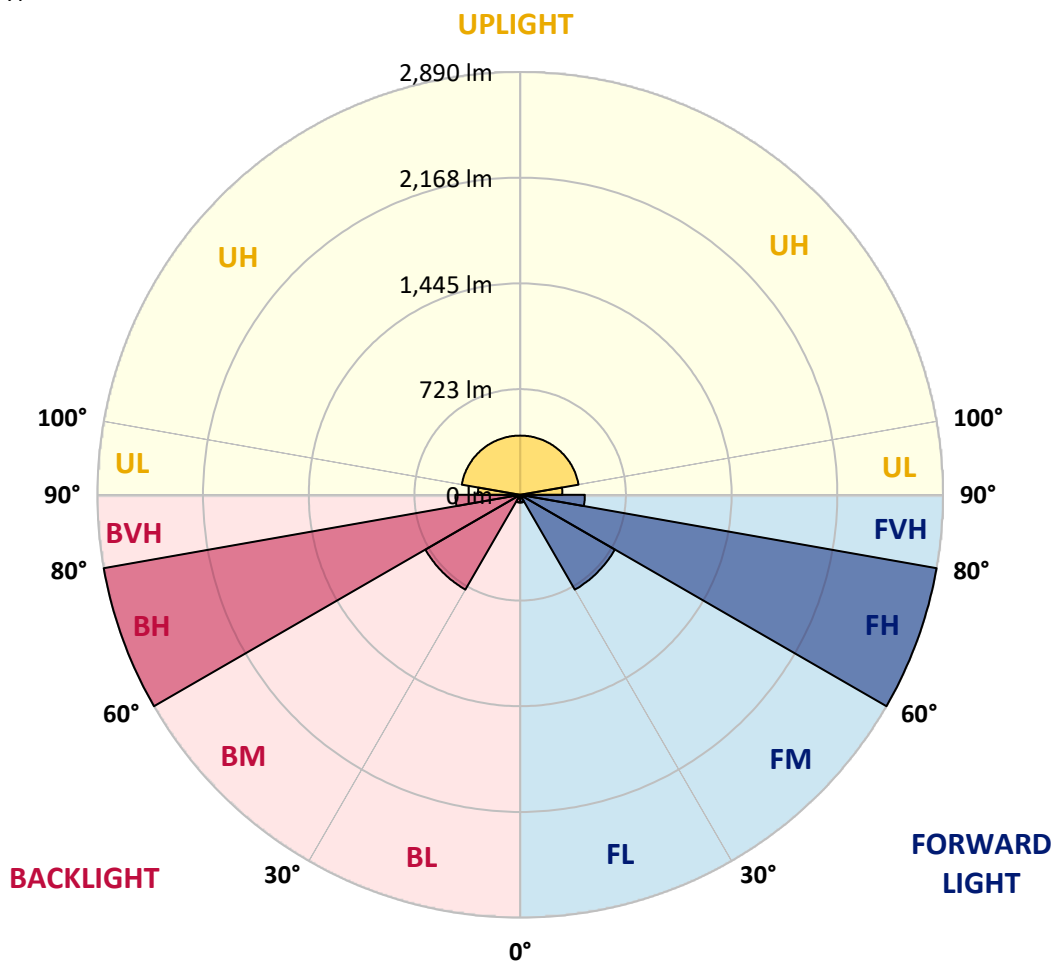


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

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)