

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: 768921_150MP

Luminaire Tested: **ARC15PXX5CX6X**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 768921_150MP
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARC15PXX5CX6X
Description: CUTOFF GENERATIONS POST TOP
Light Source: 150 WATT PULSE-START CLEAR ED-28 VBD BURN
Ballast/Driver: -

Summary

Lumens per Lamp: 14000 (1 lamp)
Luminaire Lumens: 10931.7 lumens
Efficiency: 78.1%
Efficacy: 59.1 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Cutoff
BUG Rating: B4 - U3 - G2

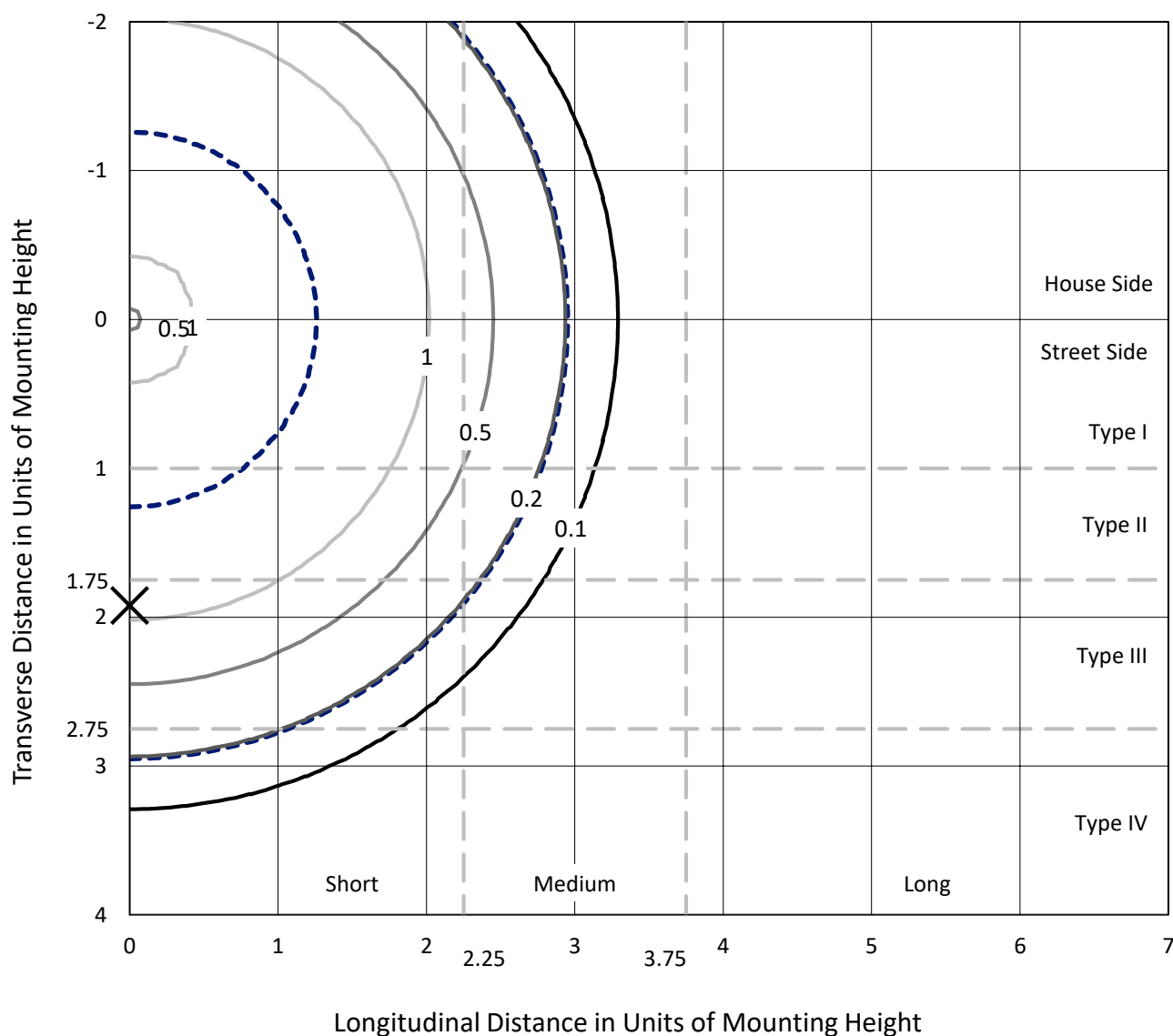
Input Watts (W): 185
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

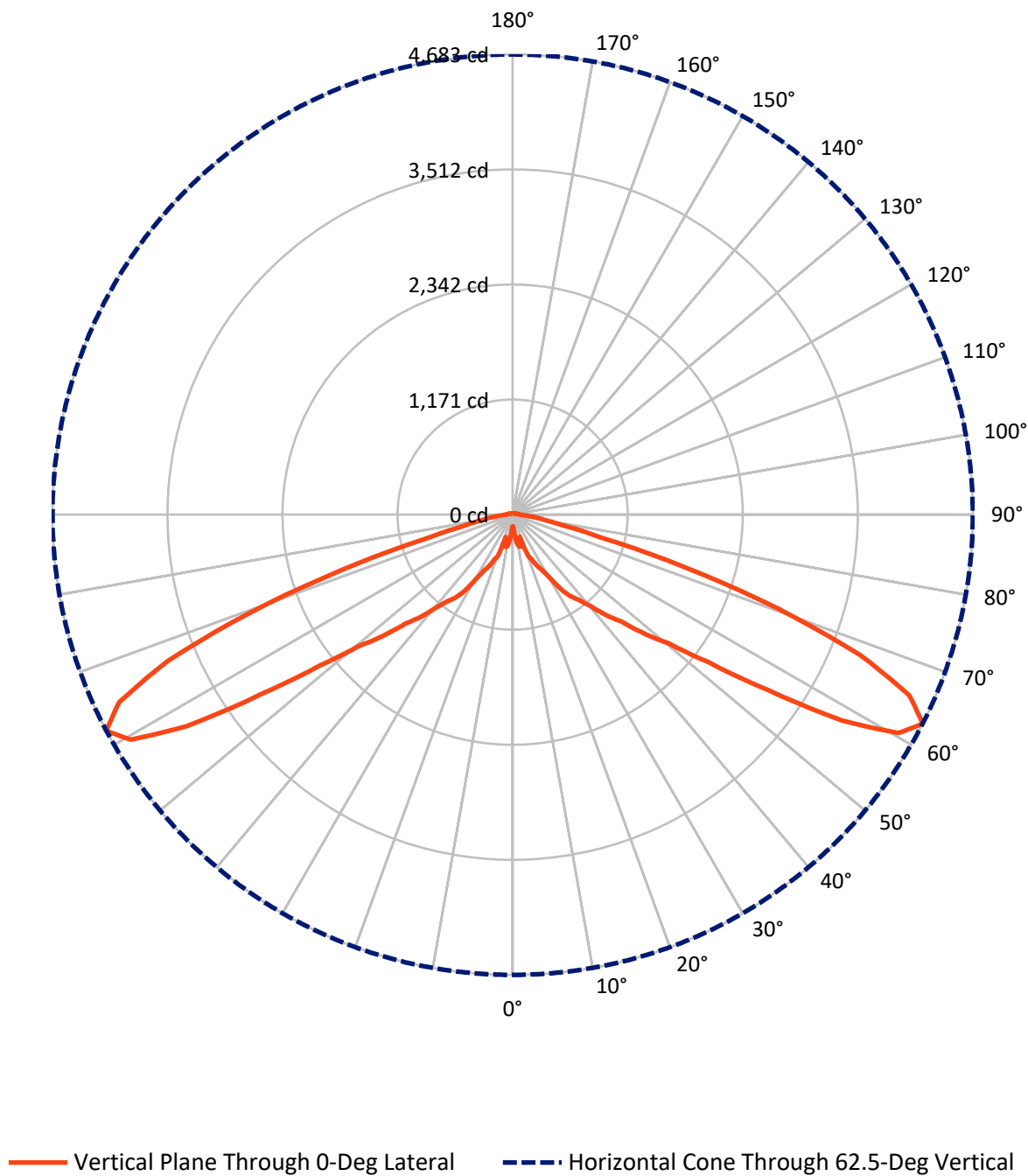
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.5 fc
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Luminous Intensity Polar Plot



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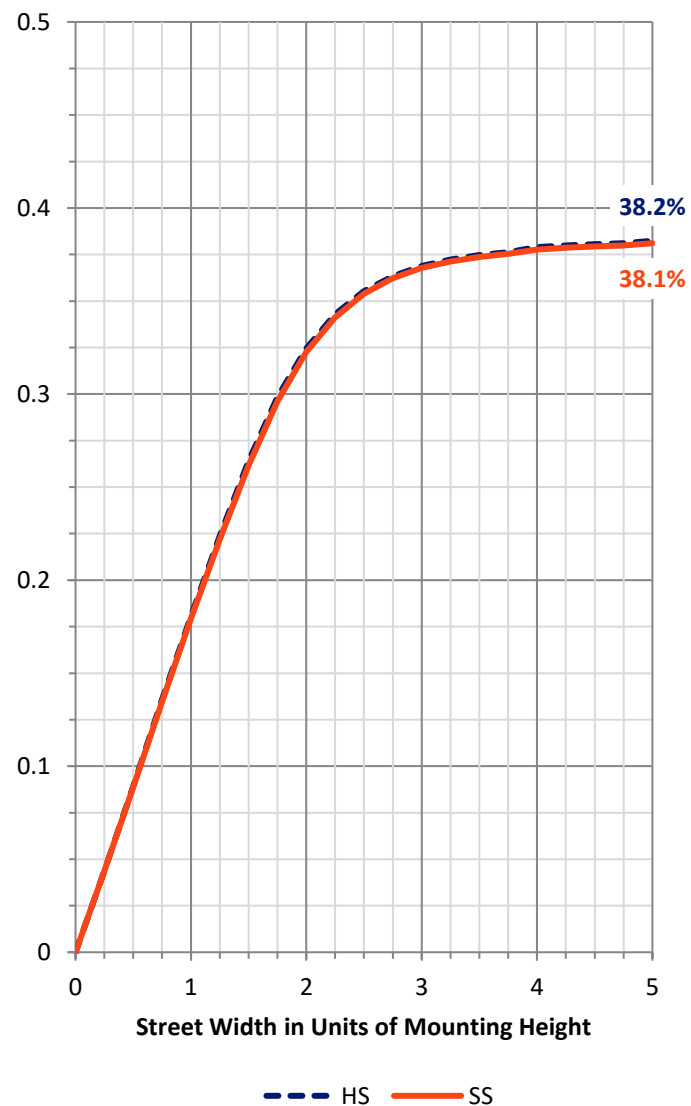
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5381.3	84.5	5465.8
	% Lamp	38.4	0.6	39.0
Street Side	Lumens	5381.3	84.5	5465.8
	% Lamp	38.4	0.6	39.0
Total	Lumens	10762.7	169.0	10931.7
	% Lamp	76.9	1.2	78.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	23.3	0.2	0.2
10°-20°	86.4	0.8	0.6
20°-30°	270.0	2.5	1.9
30°-40°	636.4	5.8	4.5
40°-50°	1250.3	11.4	8.9
50°-60°	2911.3	26.6	20.8
60°-70°	4113.9	37.6	29.4
70°-80°	1277.3	11.7	9.1
80°-90°	193.7	1.8	1.4
90°-100°	58.3	0.5	0.4
100°-110°	40.5	0.4	0.3
110°-120°	28.8	0.3	0.2
120°-130°	20.0	0.2	0.1
130°-140°	13.0	0.1	0.1
140°-150°	6.6	0.1	0.0
150°-160°	2.2	0.0	0.0
160°-170°	0.6	0.0	0.0
170°-180°	0.1	0.0	0.0
0°-90°	10762.7	98.5	76.9
0°-180°	10931.7	100.0	78.1

Coefficient of Utilization



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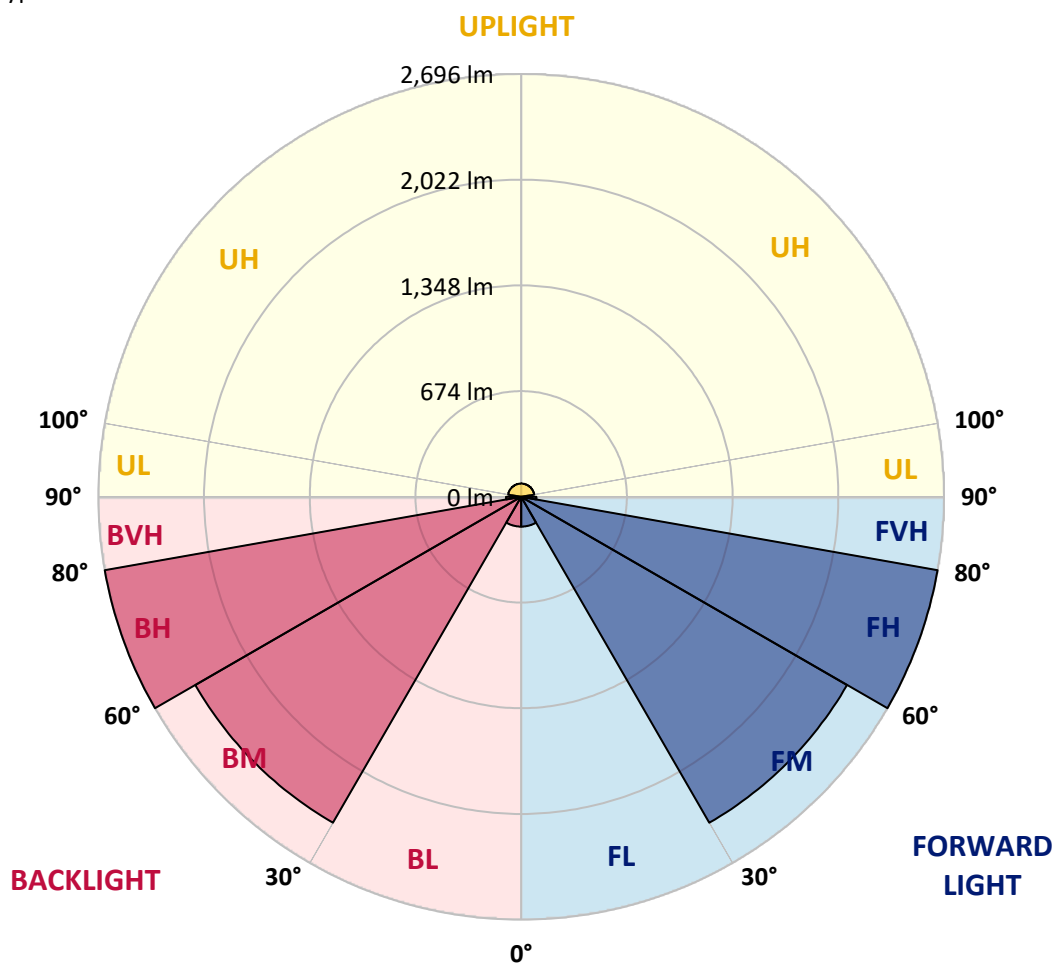
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.9	1.4			
FM	(30°-60°)	2399.0	17.1			
FH	(60°-80°)	2695.6	19.3			G2/5000
FVH	(80°-90°)	96.9	0.7			G1/100
BL	(0°-30°)	189.9	1.4	B1/500		
BM	(30°-60°)	2399.0	17.1	B2/2500		
BH	(60°-80°)	2695.6	19.3	B4/5000		G2/5000
BVH	(80°-90°)	96.9	0.7			G1/100
UL	(90°-100°)	58.3	0.4		U3/500	
UH	(100°-180°)	84.5	0.6		U3/500	
Trapped Light		3068.3	21.9			

BUG Rating: B4-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	118
2.5°	135
5°	194
7.5°	278
10°	322
12.5°	336
15°	265
17.5°	237
20°	444
22.5°	492
25°	575
27.5°	639
30°	742
32.5°	907
35°	1023
37.5°	1104
40°	1225
42.5°	1401
45°	1553
47.5°	1816
50°	2060
52.5°	2496
55°	3150
57.5°	3948
60°	4511
62.5°	4683
65°	4435
67.5°	3816
70°	2861
72.5°	1837
75°	925
77.5°	507
80°	337
82.5°	244
85°	162
87.5°	101
90°	72
95°	49
105°	38
115°	28
125°	22
135°	17
145°	11
155°	3
165°	2



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CANDELA DISTRIBUTION (continued):

	0°
175°	1
180°	1

(END OF REPORT)