

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: 768832_350MP

Luminaire Tested: **GMX35PXXARF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 768832_350MP
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GMX35PXXARF
Description: MEDIUM GALLERIA AREA ROUND
Light Source: 350 WATT PULSE-START CLEAR ED-37 VBU BURN
Ballast/Driver: -

Summary

Lumens per Lamp: 37000 (1 lamp)
Luminaire Lumens: 26193.6 lumens
Efficiency: 70.8%
Efficacy: 66.0 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

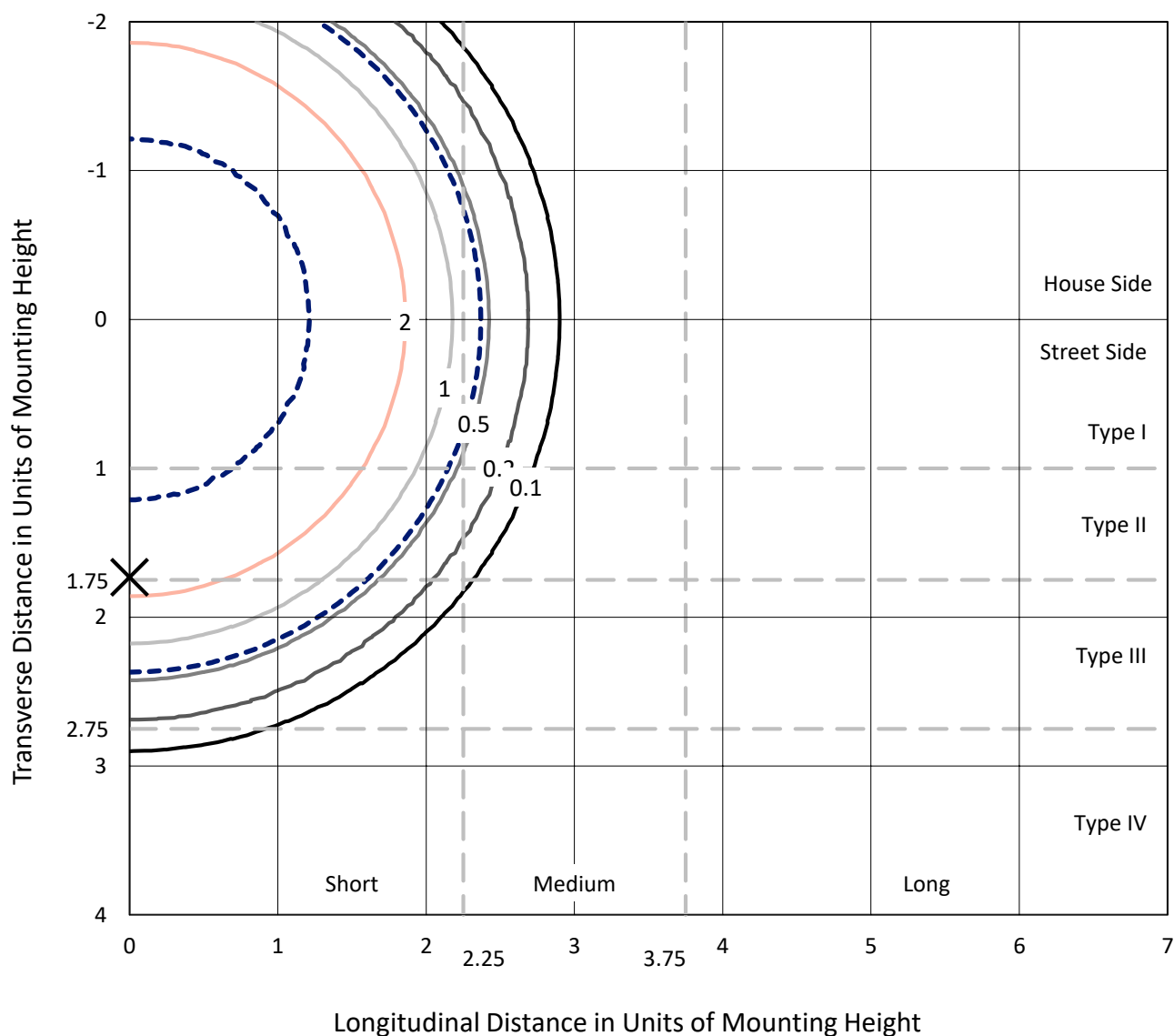
Input Watts (W): 397
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

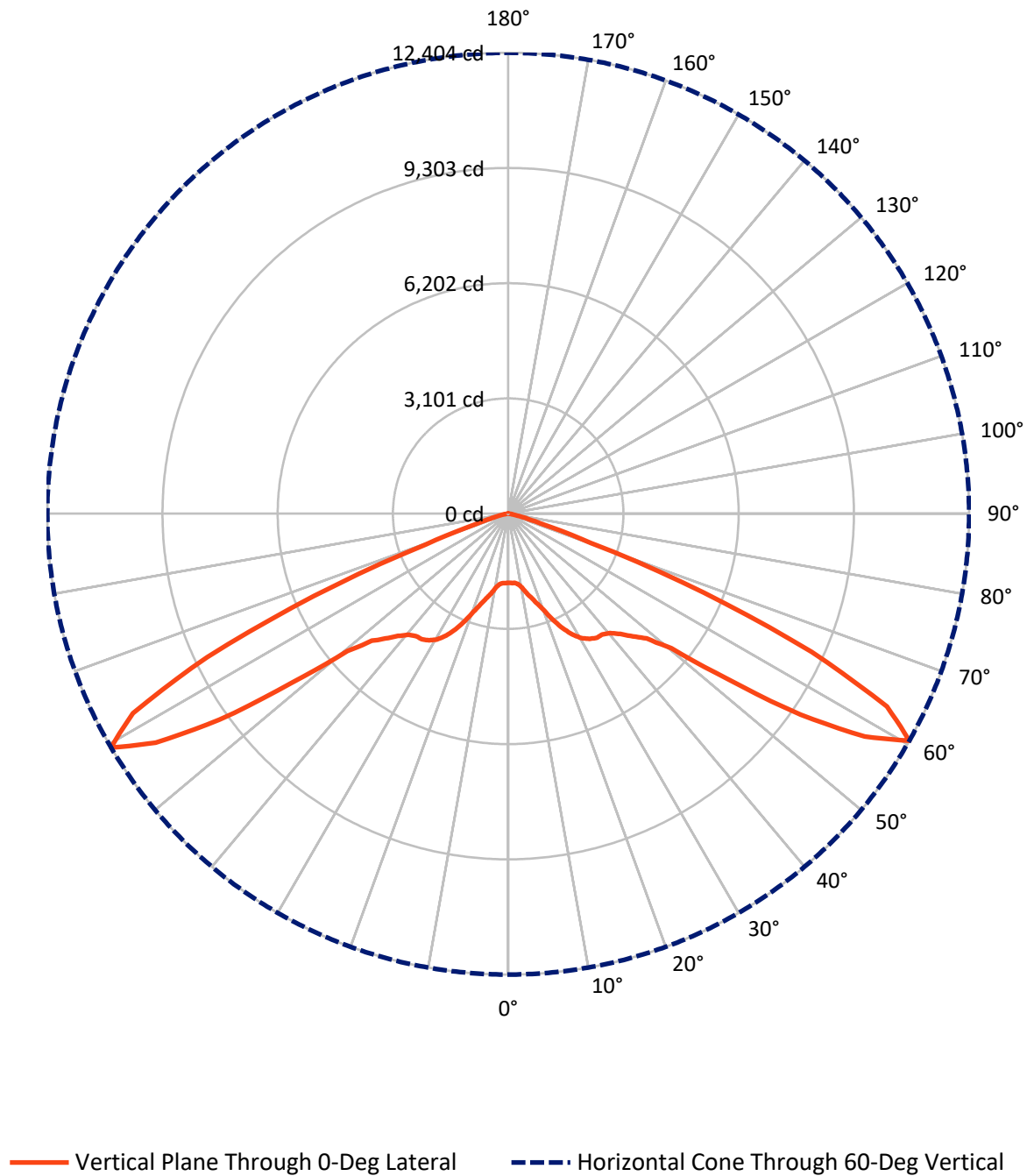
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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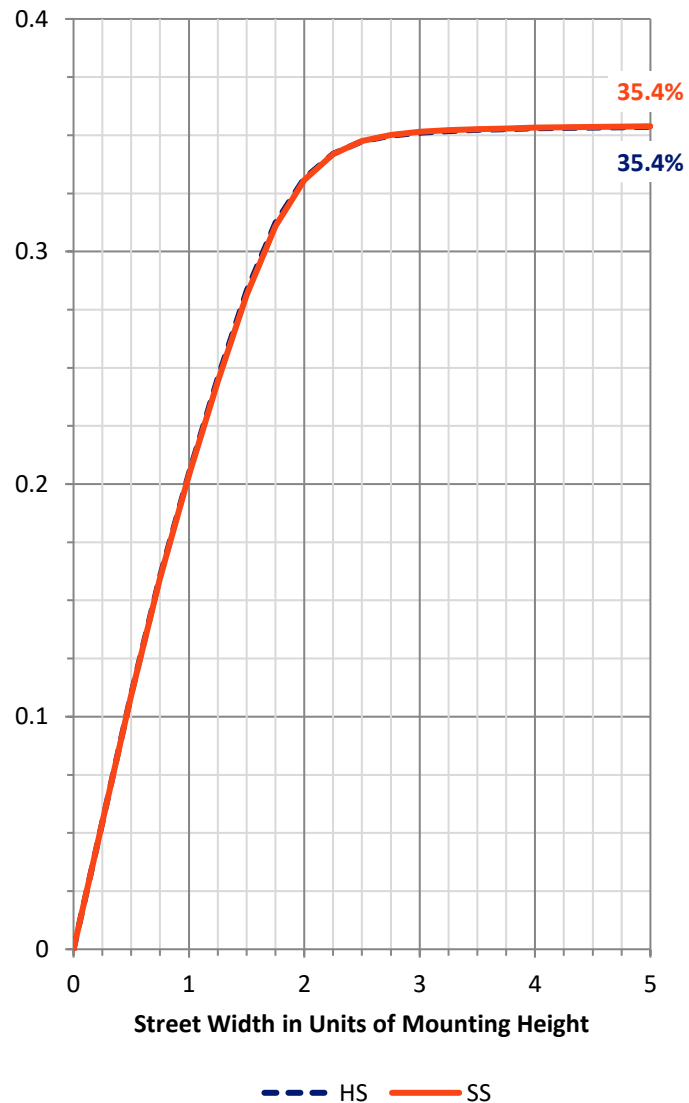
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13096.8	0.0	13096.8
	% Lamp	35.4	0.0	35.4
Street Side	Lumens	13096.8	0.0	13096.8
	% Lamp	35.4	0.0	35.4
Total	Lumens	26193.6	0.0	26193.6
	% Lamp	70.8	0.0	70.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	183.1	0.7	0.5
10°-20°	684.6	2.6	1.9
20°-30°	1584.2	6.0	4.3
30°-40°	2563.1	9.8	6.9
40°-50°	3713.2	14.2	10.0
50°-60°	8426.7	32.2	22.8
60°-70°	8241.4	31.5	22.3
70°-80°	761.9	2.9	2.1
80°-90°	35.3	0.1	0.1
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	26193.6	100.0	70.8
0°-180°	26193.6	100.0	70.8

Coefficient of Utilization



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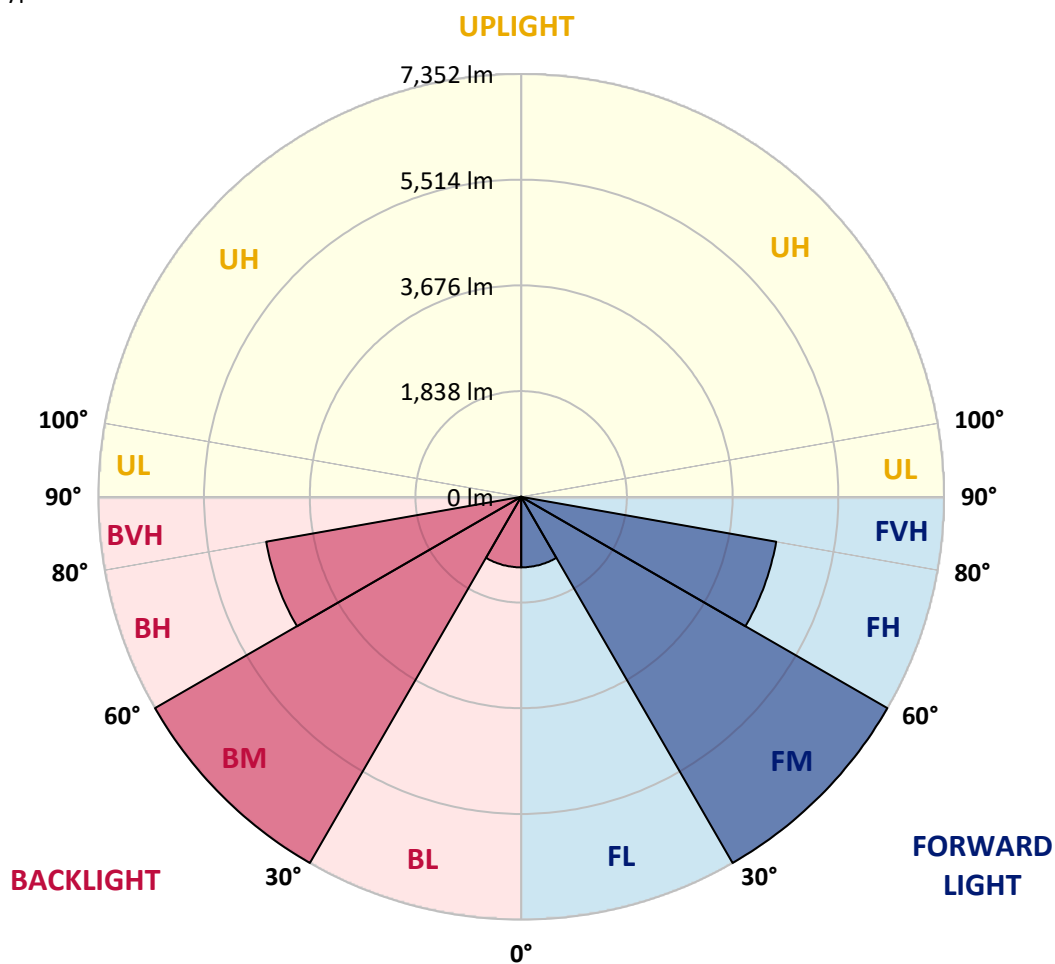
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1226.0	3.3			
FM	(30°-60°)	7351.5	19.9			
FH	(60°-80°)	4501.7	12.2			G2/5000
FVH	(80°-90°)	17.6	0.0			G1/100
BL	(0°-30°)	1226.0	3.3	B3/2500		
BM	(30°-60°)	7351.5	19.9	B4/8500		
BH	(60°-80°)	4501.7	12.2	B4/5000		G2/5000
BVH	(80°-90°)	17.6	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		10806.4	29.2			

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	1860.3
2.5°	1869.5
5°	1872.6
7.5°	1913.7
10°	2015.5
12.5°	2193.3
15°	2354.6
17.5°	2552.0
20°	2797.6
22.5°	3112.1
25°	3420.4
27.5°	3684.6
30°	3889.1
32.5°	4017.6
35°	4102.9
37.5°	4122.4
40°	4221.1
42.5°	4428.7
45°	4709.3
47.5°	5013.5
50°	5686.7
52.5°	7382.5
55°	9553.2
57.5°	11314.8
60°	12404.2
62.5°	11439.2
65°	8975.6
67.5°	5682.6
70°	2360.8
72.5°	909.6
75°	488.2
77.5°	267.2
80°	126.4
82.5°	58.6
85°	8.2
87.5°	0.0
90°	0.0

(END OF REPORT)