

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_320MP

Luminaire Tested: **GMX32PXXARF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 768832_320MP
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GMX32PXXARF
Description: MEDIUM GALLERIA AREA ROUND
Light Source: 320 WATT PULSE-START CLEAR ED-37 VBU BURN
Ballast/Driver: -

Summary

Lumens per Lamp: 33000 (1 lamp)
Luminaire Lumens: 23361.8 lumens
Efficiency: 70.8%
Efficacy: 66.7 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

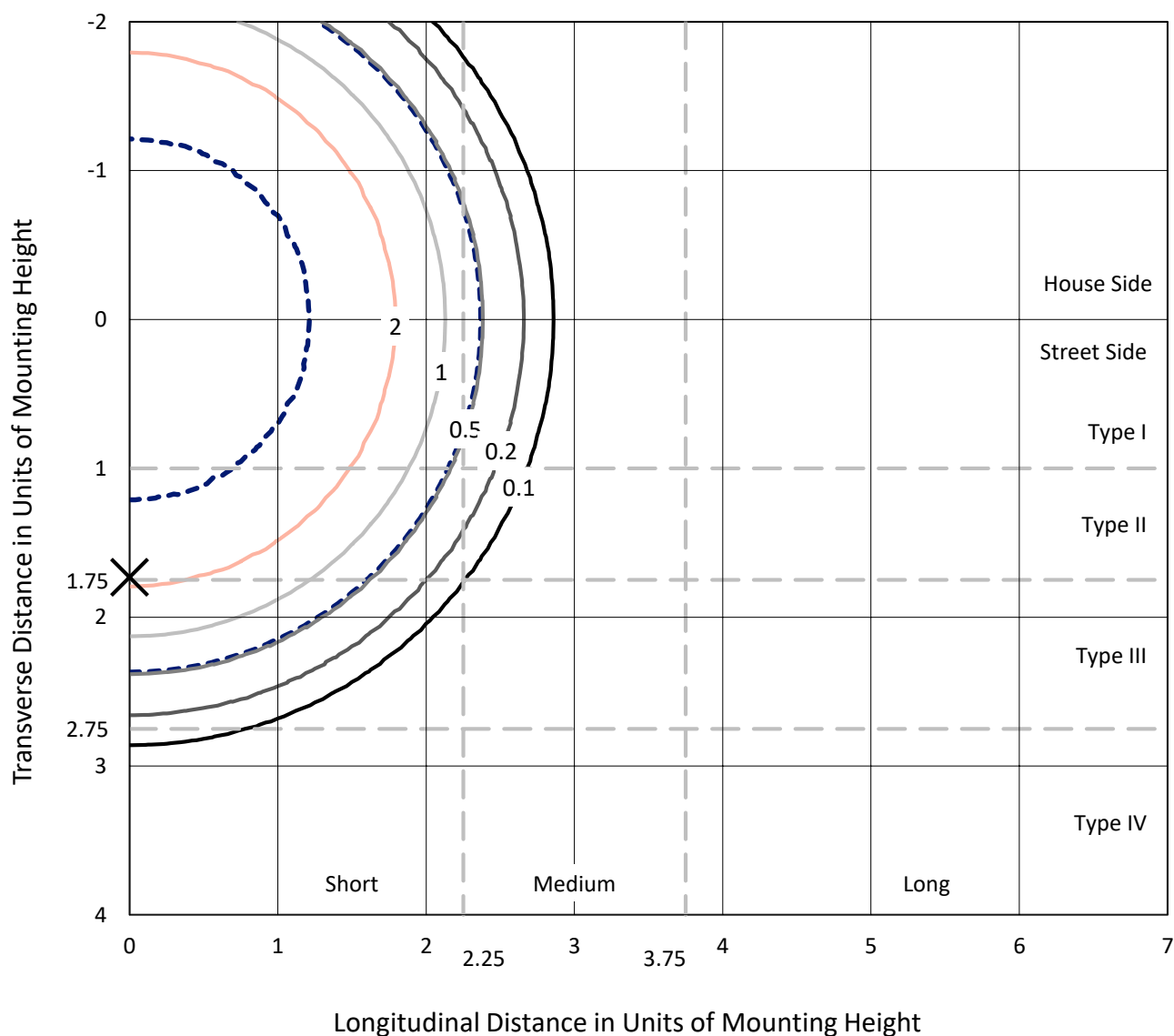
Input Watts (W): 350
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: 768832_320MP
CATALOG NUMBER: GMX32PXXARF

Iso-Footcandle Lines of Horizontal Illumination

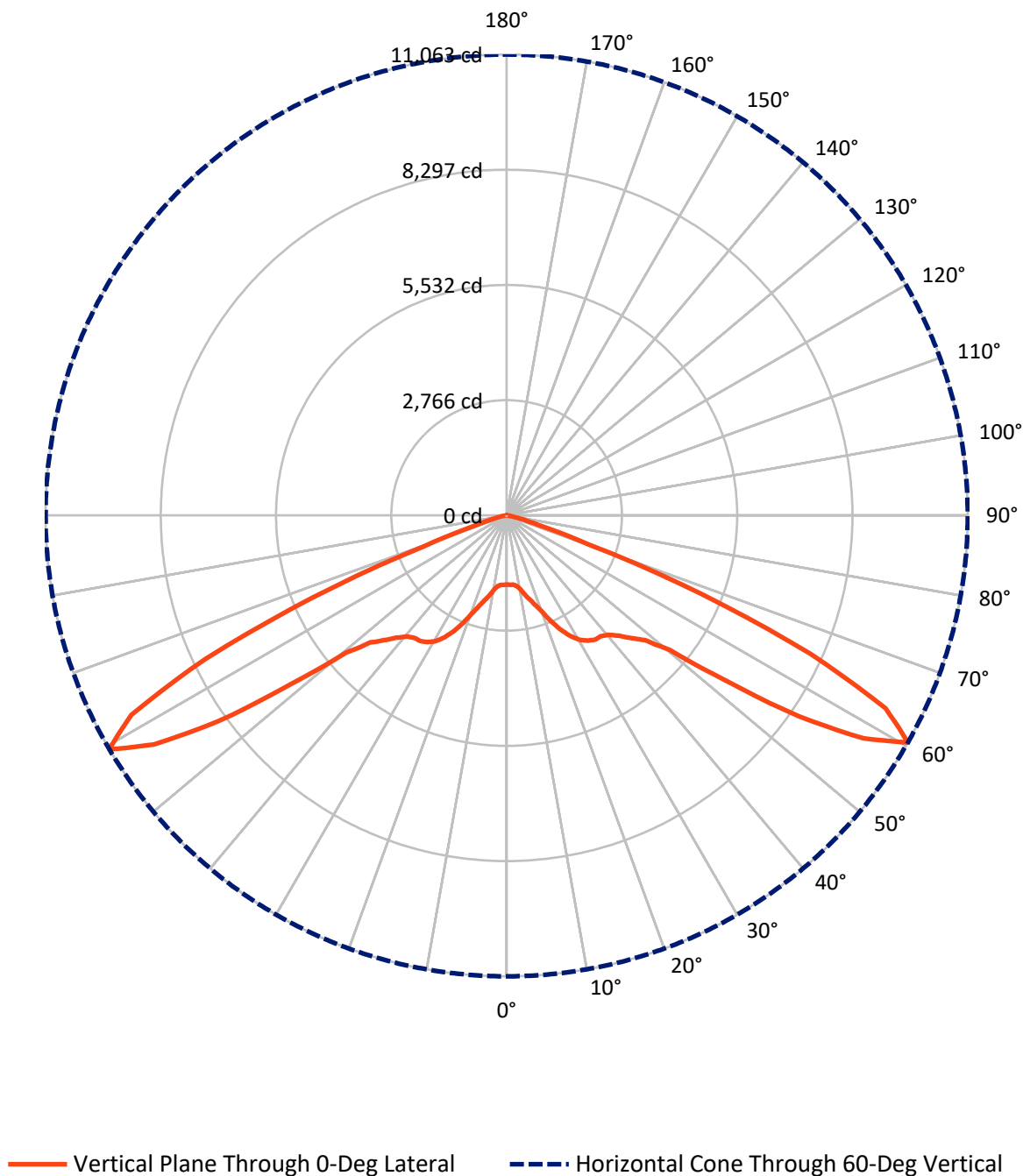
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type V - Short - Full Cutoff

REPORT NUMBER: 768832_320MP
CATALOG NUMBER: GMX32PXXARF

Luminous Intensity Polar Plot



REPORT NUMBER: 768832_320MP

CATALOG NUMBER: GMX32PXXARF

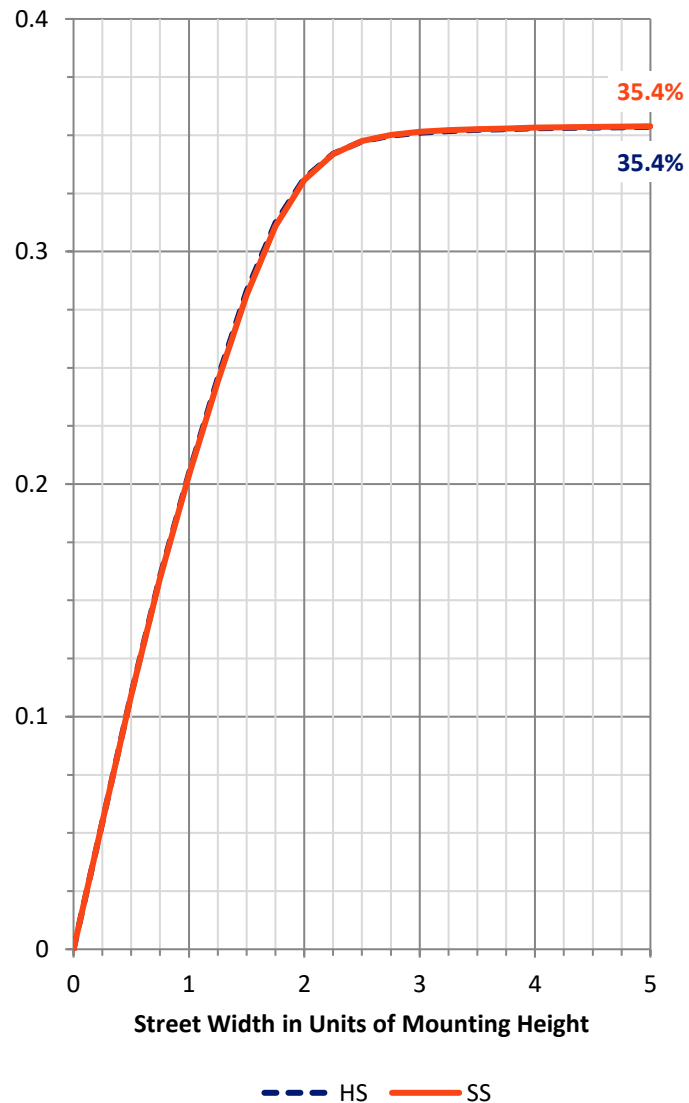
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11680.9	0.0	11680.9
	% Lamp	35.4	0.0	35.4
Street Side	Lumens	11680.9	0.0	11680.9
	% Lamp	35.4	0.0	35.4
Total	Lumens	23361.8	0.0	23361.8
	% Lamp	70.8	0.0	70.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	163.3	0.7	0.5
10°-20°	610.6	2.6	1.9
20°-30°	1413.0	6.0	4.3
30°-40°	2286.0	9.8	6.9
40°-50°	3311.8	14.2	10.0
50°-60°	7515.7	32.2	22.8
60°-70°	7350.4	31.5	22.3
70°-80°	679.5	2.9	2.1
80°-90°	31.5	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°	23361.8	100.0	70.8
0°-180°	23361.8	100.0	70.8

Coefficient of Utilization



REPORT NUMBER: 768832_320MP

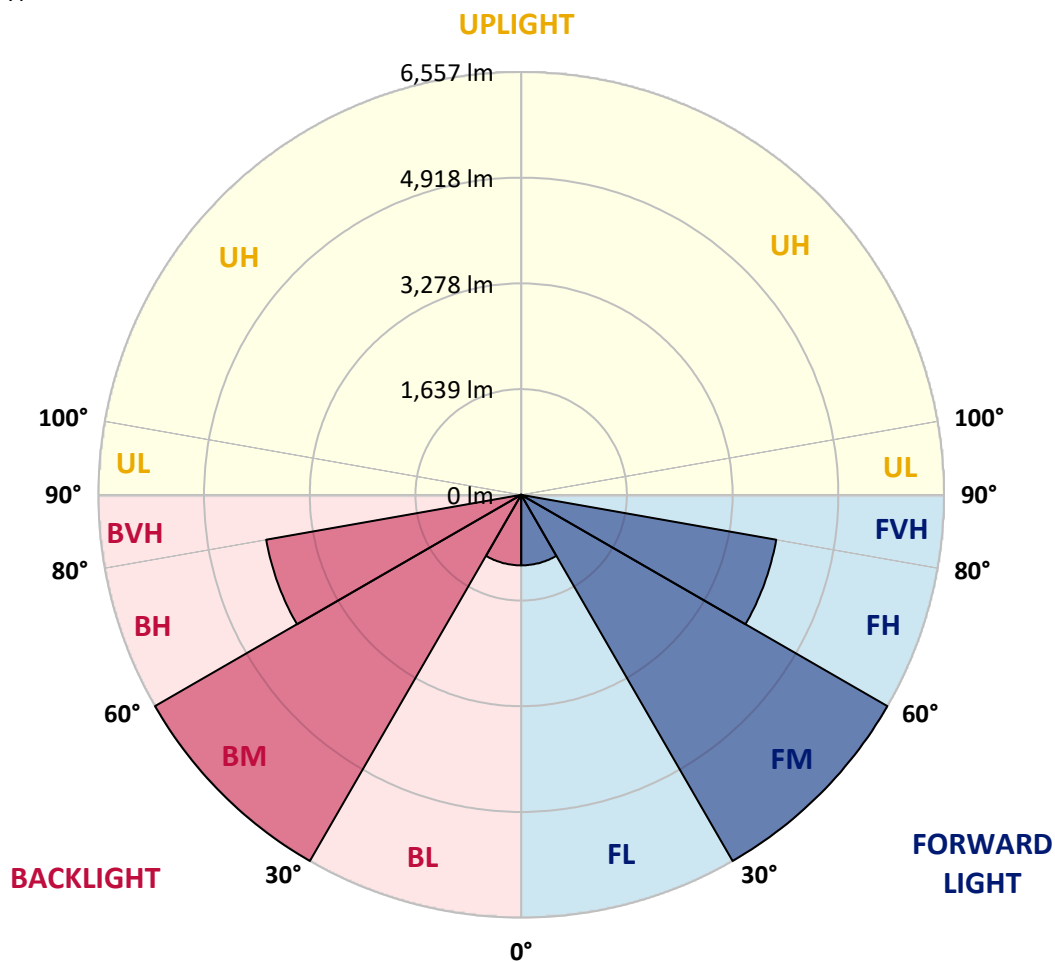
CATALOG NUMBER: GMX32PXXARF

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1093.5	3.3			
FM	(30°-60°)	6556.7	19.9			
FH	(60°-80°)	4015.0	12.2			G2/5000
FVH	(80°-90°)	15.7	0.0			G1/100
BL	(0°-30°)	1093.5	3.3	B3/2500		
BM	(30°-60°)	6556.7	19.9	B4/8500		
BH	(60°-80°)	4015.0	12.2	B4/5000		G2/5000
BVH	(80°-90°)	15.7	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		9638.2	29.2			

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: 768832_320MP
CATALOG NUMBER: GMX32PXXARF

CANDELA DISTRIBUTION (FULL):

0°	
0°	1659.2
2.5°	1667.4
5°	1670.2
7.5°	1706.8
10°	1797.6
12.5°	1956.2
15°	2100.1
17.5°	2276.1
20°	2495.2
22.5°	2775.7
25°	3050.7
27.5°	3286.2
30°	3468.7
32.5°	3583.2
35°	3659.3
37.5°	3676.8
40°	3764.8
42.5°	3949.9
45°	4200.2
47.5°	4471.5
50°	5071.9
52.5°	6584.4
55°	8520.4
57.5°	10091.6
60°	11063.2
62.5°	10202.5
65°	8005.2
67.5°	5068.2
70°	2105.6
72.5°	811.2
75°	435.4
77.5°	238.3
80°	112.8
82.5°	52.2
85°	7.3
87.5°	0.0
90°	0.0

(END OF REPORT)