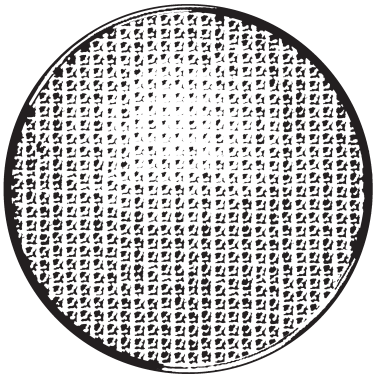
ETC®

Source Four® PAR XWFL Lens

PAR Series



SPECIFICATIONS

PHYSICAL

- Molded, borosilicate lens, heat resistant, and multifaceted.
- Four extension clips, black coated zinc with grip points.

OPTICAL

- XWFL lens with ~30° beam and ~60° field distribution

ORDERING INFORMATION

Source Four PAR XWFL Lens

MODEL	DESCRIPTION
400XWFL	Extra-wide flood lens kit

Compatible Fixtures

MODEL	DESCRIPTION
PAR-EA	Source Four PAR EA
PAR-MCM	Source Four PAR MCM
MPAR-3	Source Four MultiPAR - 3-cell
MPAR-4	Source Four MultiPAR - 4-cell
MPAR-12	Source Four MultiPAR - 12-cell
HID-PAR-70	Source Four 70W HID PAR
HID-PAR-150	Source Four 150W HID PAR

PHOTOMETRICS

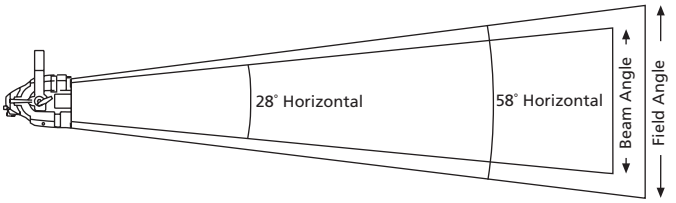
Photometric data below is measured with an HPL 750W/115V 300 hr lamp. To convert data when using any other HPL lamp, use the lumen or candela multiplying factors (Lm MF or Cd MF) for that specific lamp. These multiplying factors are listed in the Lamps table in this datasheet. For lumen data, multiply by the Lm MF. For candela or footcandle data, multiply by the Cd MF.

Source Four PAR EA and MultiPAR with XWFL lens

Degree	Candela	Field Lumens	Beam Lumens	Efficiency	Lumens per watt
XWFL	26,802	7,385	3,155	33.7%	9.8

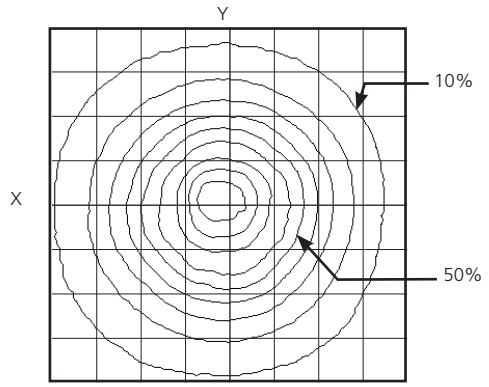
For Field diameter at any distance, multiply distance by 1.10

For Beam diameter at any distance, multiply distance by 0.51

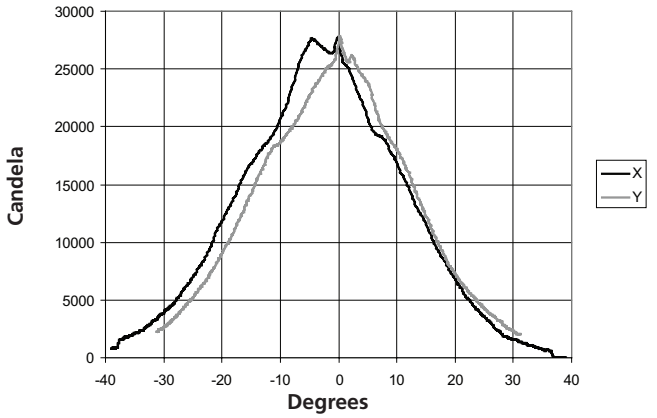


Throw Distance (d)	7′ 2.1m	12′ 3.7m	17′ 5.2m	23′ 7.0m
Field Diameter	7.7′ 2.4m	13.2′ 4.0m	18.8′ 5.7m	25.4′ 7.7m
Illuminance (fc)	547	186	93	51
Illuminance (lux)	5,888	2,003	998	545

Iso-Illuminance Diagram
(Flat Surface Distribution)



Candela Plot



Source Four PAR MCM with XWFL lens

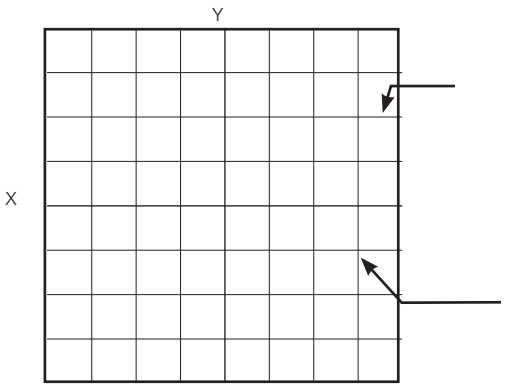
Degree	Candela	Field Lumens	Beam Lumens	Efficiency	Lumens per watt
XWFL					

For Field diameter at any distance, multiply distance by

For Beam diameter at any distance, multiply distance by

Throw Distance (d)				
Field Diameter				
Illuminance (fc)				
Illuminance (lux)				

Iso-Illuminance Diagram
(Flat Surface Distribution)



Candela Plot

Candela

Degrees

Metric Conversions: For Meters multiply feet by .3048
For Lux multiply footcandles by 10.76

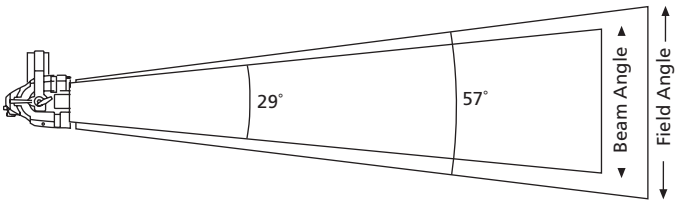
PHOTOMETRICS

Source Four 150W HID PAR with XWFL lens

Degree	Candela	Field Lumens	Beam Lumens	Efficiency	Lumens per watt
XWFL	17,449	4,699	1,942	33.6%	31.3

For Field diameter at any distance, multiply distance by 1.09

For Beam diameter at any distance, multiply distance by .51



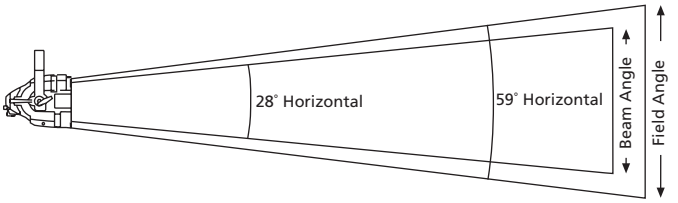
Throw Distance (d)	7′ 2.1m	11′ 3.4m	15′ 4.6m	19′ 5.8m
Field Diameter	7.7′ 2.3m	12.0′ 3.7m	16.4′ 5.0m	20.8′ 6.3m
Illuminance (fc)	356	144	78	48
Illuminance (lux)	3,833	1,552	835	520

Source Four 70W HID PAR with WFL lens

Degree	Candela	Field Lumens	Beam Lumens	Efficiency	Lumens per watt
XWFL	8,921	2,273	870	34.4%	32.5

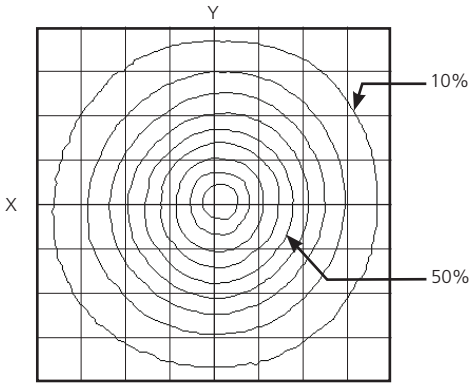
For Field diameter at any distance, multiply distance by 1.13

For Beam diameter at any distance, multiply distance by 0.49

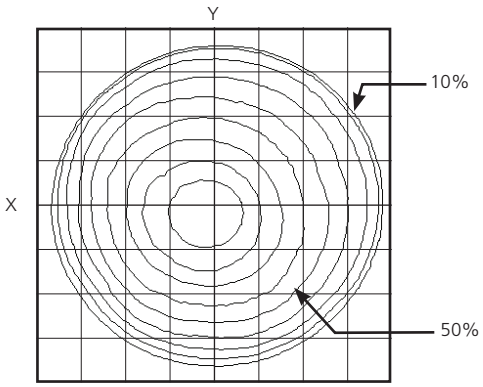


Throw Distance (d)	7′ 2.1m	9′ 2.7m	11′ 3.4m	13′ 4.0m
Field Diameter	7.9′ 2.4m	10.2′ 3.1m	12.4′ 3.8m	14.7′ 4.5m
Illuminance (fc)	182	110	74	53
Illuminance (lux)	1,960	1,185	794	568

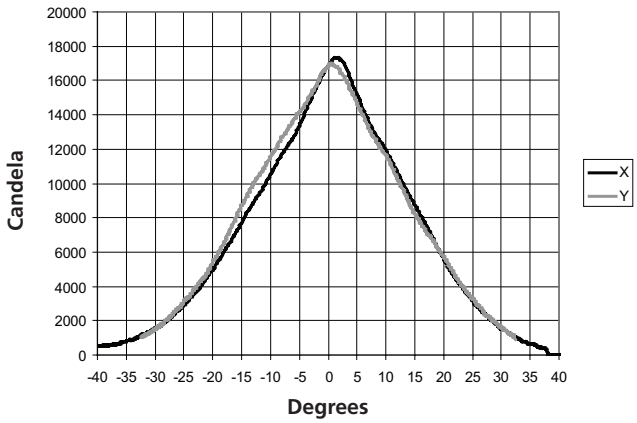
Iso-Illuminance Diagram
(Flat Surface Distribution)



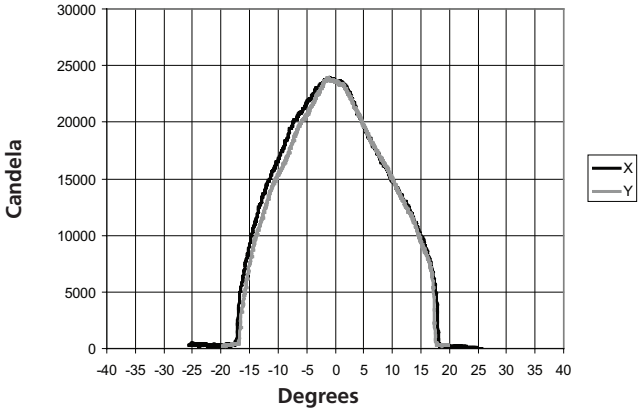
Iso-Illuminance Diagram
(Flat Surface Distribution)



Candela Plot



Candela Plot



Corporate Headquarters • 3031 Pleasant View Rd, PO Box 620979, Middleton WI 53562 0979 USA • Tel +1 608 831 4116 • Fax +1 608 836 1736
London, UK • Unit 26-28, Victoria Industrial Estate, Victoria Road, London W3 6UU, UK • Tel +44 (0)20 8896 1000 • Fax +44 (0)20 8896 2000
Rome, IT • Via Pieve Torina, 48, 00156 Rome, Italy • Tel +39 (06) 32 111 683 • Fax +44 (0)20 8752 8486
Holzkirchen, DE • Ohmstrasse 3, 83607 Holzkirchen, Germany • Tel +49 (80 24) 47 00-0 • Fax +49 (80 24) 47 00-3 00
Hong Kong • Room 1801, 18/F, Tower 1 Phase 1, Enterprise Square, 9 Sheung Yuet Road, Kowloon Bay, Kowloon, Hong Kong • Tel +852 2799 1220 • Fax +852 2799 9325
Web • www.etcconnect.com 7061L1013 Rev. C Printed in USA 12/10