



# 5K Studio Fresnel - ARRI

INCANDESCENT PHOTOMETRICS



Distance	20 ft. (6.1 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
<b>Spot Focus Beam Angle 12°</b>					
Footcandles	1469	940	653	367	235
Beam Diameter	4.2 ft.	5.3 ft.	6.3 ft.	8.4 ft.	10.5 ft.
	1.3 m	1.6 m	1.9 m	2.6 m	3.2 m
<b>Medium Focus Beam Angle 30°</b>					
Footcandles	627	401	279	157	100
Beam Diameter	10.7 ft.	13.4 ft.	16.1 ft.	21.4 ft.	26.8 ft.
	3.3 m	4.1 m	4.9 m	6.5 m	8.2 m
<b>Flood Focus Beam Angle 61°</b>					
Footcandles	246	157	109	61	39
Beam Diameter	23.6 ft.	29.5 ft.	35.3 ft.	47.1 ft.	58.9 ft.
	7.2 m	9.0 m	10.8 m	14.4 m	18.0 m

## Lens Performance

Spot Performance at any distance:

Footcandles (or lux) =  $587,500 \div \text{Distance}^2$     Beam Diameter = Distance x 0.21

Medium Performance at any distance:

Footcandles (or lux) =  $250,850 \div \text{Distance}^2$     Beam Diameter = Distance x 0.54

Flood Focus Performance at any distance:

Footcandles (or lux) =  $98,375 \div \text{Distance}^2$     Beam Diameter = Distance x 1.18

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