



# 650W Fresnel Head - ARRI

INCANDESCENT PHOTOMETRICS



| Distance                           | 5 ft.<br>(1.5 m) | 10 ft.<br>(3.0 m) | 15 ft.<br>(4.6 m) | 20 ft.<br>(6.1 m) | 25 ft.<br>(7.6 m) |
|------------------------------------|------------------|-------------------|-------------------|-------------------|-------------------|
| <b>Spot Focus Beam Angle 13°</b>   |                  |                   |                   |                   |                   |
| Footcandles                        | 2110             | 528               | 234               | 132               | 84                |
| Beam Diameter                      | 1.1 ft.          | 2.3 ft.           | 3.4 ft.           | 4.6 ft.           | 5.7 ft.           |
|                                    | 0.3 m            | 0.7 m             | 1.0 m             | 1.4 m             | 1.7 m             |
| <b>Medium Focus Beam Angle 30°</b> |                  |                   |                   |                   |                   |
| Footcandles                        | 910              | 228               | 101               | 57                | 36                |
| Beam Diameter                      | 2.7 ft.          | 5.4 ft.           | 8.0 ft.           | 10.7 ft.          | 13.4 ft.          |
|                                    | 0.8 m            | 1.6 m             | 2.4 m             | 3.3 m             | 4.1 m             |
| <b>Flood Focus Beam Angle 54°</b>  |                  |                   |                   |                   |                   |
| Footcandles                        | 430              | 108               | 48                | 27                | 17                |
| Beam Diameter                      | 5.1 ft.          | 10.2 ft.          | 15.3 ft.          | 20.4 ft.          | 25.5 ft.          |
|                                    | 1.6 m            | 3.1 m             | 4.7 m             | 6.2 m             | 7.8 m             |

## Lens Performance

Spot Performance at any distance:

Footcandles (or lux) =  $52,800 \div \text{Distance}^2$     Beam Diameter = Distance x 0.23

Medium Performance at any distance:

Footcandles (or lux) =  $22,800 \div \text{Distance}^2$     Beam Diameter = Distance x 0.54

Flood Focus Performance at any distance:

Footcandles (or lux) =  $10,900 \div \text{Distance}^2$     Beam Diameter = Distance x 1.02

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