

Image Orthicon

"MICRODAMP" CONSTRUCTION FOR REDUCED MICROPHONICS

FIELD MESH FOR REDUCED "WHITE EDGE" EFFECTS

LONG-LIFE ELECTRONICALLY-
CONDUCTIVE GLASS TARGET
MAGNETIC FOCUSFIELD-MESH TYPE
MAGNETIC DEFLECTION

For Very High-Quality Performance in Black-and-White Studio or Remote TV Cameras. The 8749 is Directly Interchangeable with the 7295, 7295A, 7295B, and 7295C.

The 8749 is the same as the 7295B except for the following paragraph, Performance Data, and Typical Spectral Sensitivity Characteristic.

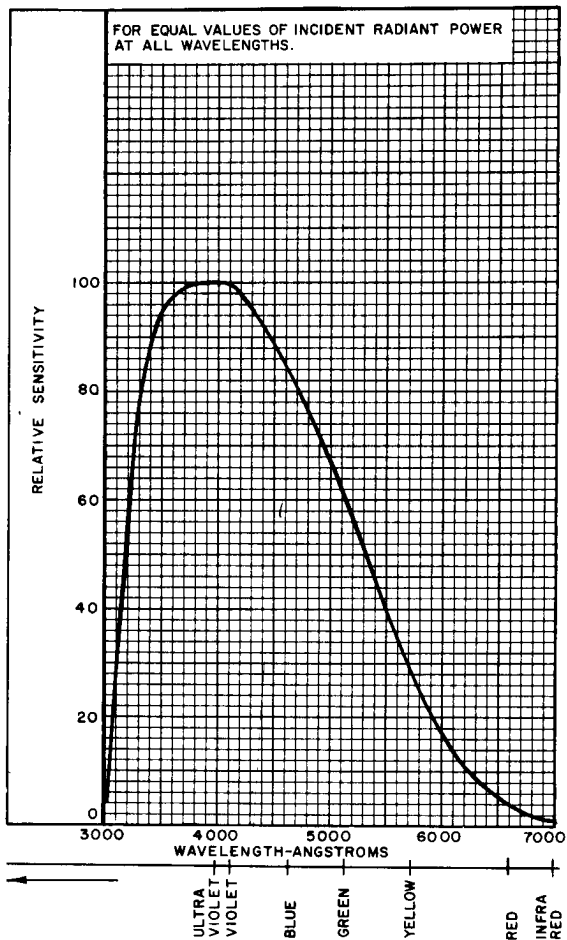
Compatibility of the bialkali photocathode and the glass target of the 8749 results in constant high resolution throughout tube life. The glass target is characterized by stable long-life, resistance to "burn-in", and the absence of granular structure. Charge transport through this target is electronic rather than ionic. Tube life is therefore extended and stable sensitivity is achieved. Other important advantages of this target are that the undesirable characteristics of scene retention or "sticking picture" and raster burn-in are significantly reduced. As a result, the need for an orbiter, or the necessity of continually moving the camera when focused on a stationary scene, is eliminated.

PERFORMANCE DATA

| | Min | Typ | Max |
|---|-----|------|--------------|
| Cathode Radiant Sensitivity at 4000 angstroms. | - | 0.08 | - A/W |
| Cathode Luminous Sensitivity (2870°K) | - | 85 | - μ A/lm |



Typical Spectral Sensitivity Characteristic



92LM-1550R2

