

S-4 response indicates material

S-1: Ag-CsO-Cs

S-3: Ag-Rb

S-4: Sb₃ Cs



934

VACUUM PHOTOTUBE

WITH S-4 RESPONSE

934

DATA

General:

Spectral Response S-4
 Wavelength of Maximum Response 4000 ± 500 angstroms
 Cathode:
 Shape Semi-Cylindrical
 Minimum Projected Length* 11/16"
 Minimum Projected Width* 7/16"
 Direct Interelectrode Capacitance 1.5 μmf
 Maximum Overall Length 2-13/32"
 Maximum Seated Length 1-15/16"
 Seated Length to Center of Cathode 1-1/4" ± 3/32"
 Maximum Diameter 0.669"
 Bulb T-5-1/4
 Mounting Position Any
 Base Small-Shell Peewee 3-Pin
 Basing Designation for BOTTOM VIEW 2F1

Pin 1 - No
 Connection



Pin 2 - Anode
 Pin 3 - Cathode

Maximum Ratings, Absolute Values:

ANODE-SUPPLY VOLTAGE (DC or Peak AC) 250 max. volts
 PEAK CATHODE CURRENT 12 max. μamp
 PEAK CATHODE-CURRENT DENSITY 100 max. μamp/sq. in.
 AVERAGE CATHODE CURRENT* 4 max. μamp
 AMBIENT TEMPERATURE 75 max. °C

Characteristics:

| | Min. | Average | Max. |
|--|------|---------|------------------|
| DC Dark Current ^a | - | - | 0.005 . . . μamp |
| Sensitivity: | | | |
| At 4000 angstroms | - | 0.028 | - μamp/μwatt |
| Luminous | 15 | 30 | 70 μamp/lumen |

* On plane perpendicular to indicated direction of incident light.
 ● Averaged over any interval of 30 seconds maximum.
 □ At 25°C and 250 volts.

OUTLINE DIMENSIONS for Type 934
 are the same as those for Type 927

SPECTRAL-SENSITIVITY CHARACTERISTIC
 of Phototube having S-4 Response
 is shown at the front of this Section

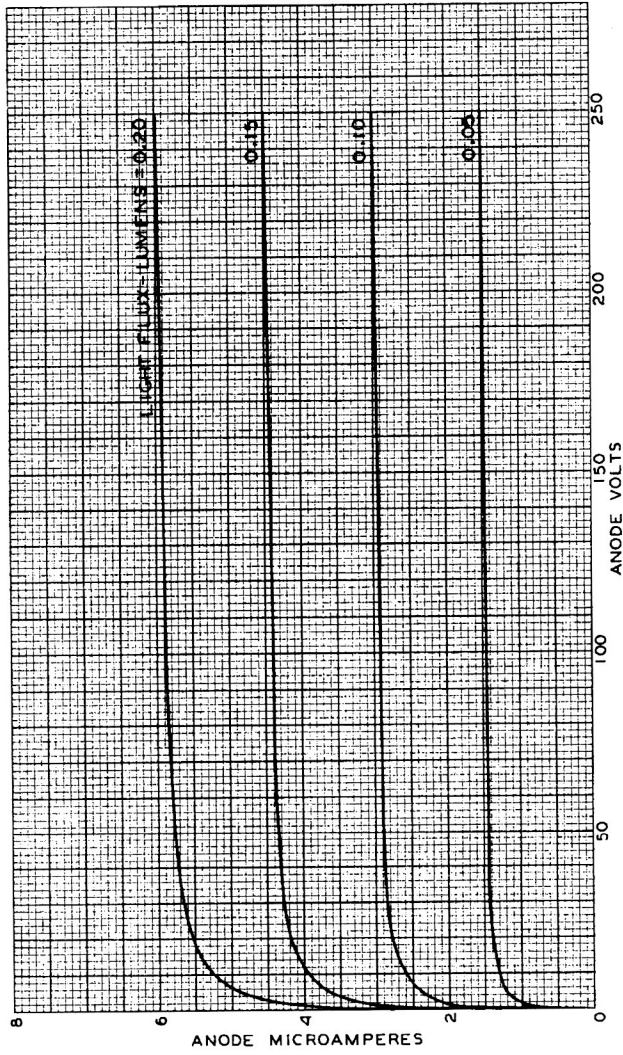
← Indicates a change.

934



934

AVERAGE ANODE CHARACTERISTICS



OCT. 16, 1944

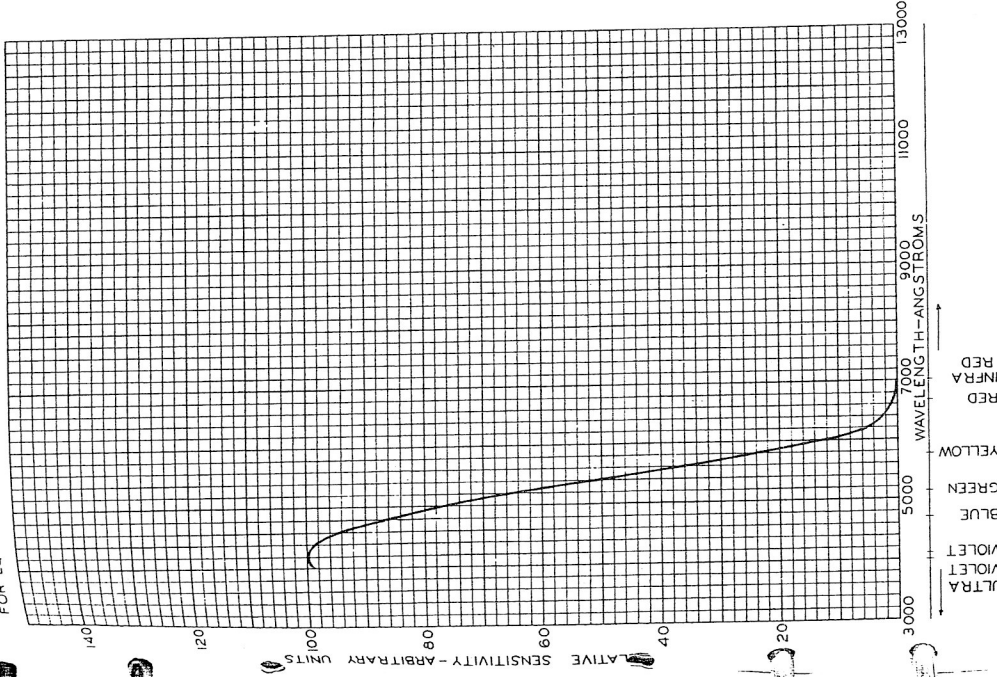
TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6479



SPECTRAL SENSITIVITY CHARACTERISTIC
OF PHOTOTUBE HAVING
S-4 RESPONSE

FOR EQUAL VALUES OF RADIANT FLUX AT ALL WAVELENGTHS



ULTRA VIOLET
VIOLET
BLUE
GREEN
YELLOW
RED
INFRA RED

DEC. 11, 1945
RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY
92CM - 6152R6

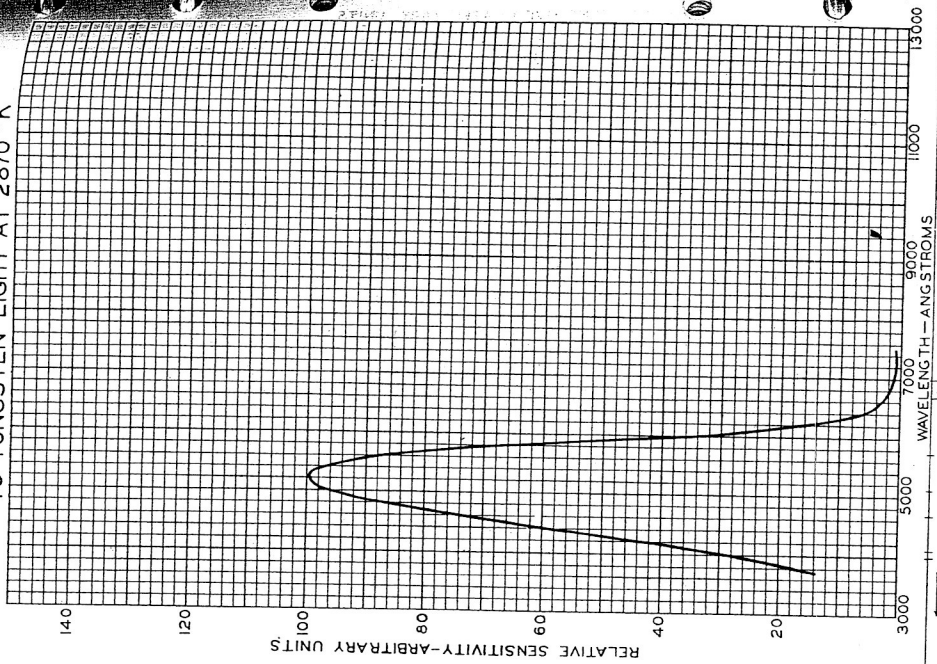
MISCELLANEOUS TYPES

PHOTOTUBES & IGNITRONS

HE PG T V



SPECTRAL SENSITIVITY CHARACTERISTIC OF PHOTOTUBE HAVING S-4 RESPONSE TO TUNGSTEN LIGHT AT 2870 °K

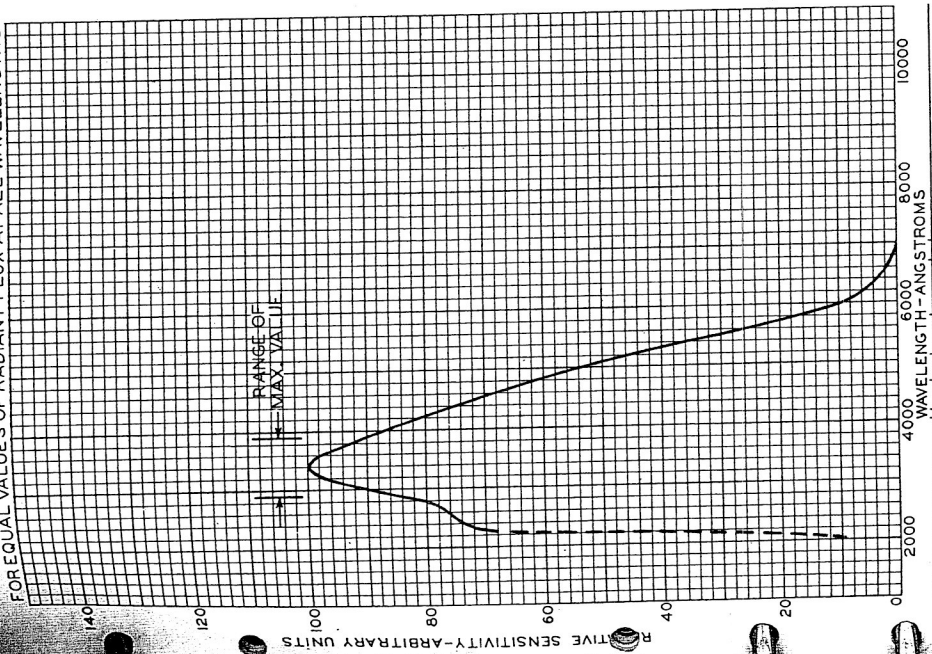


DEC. 19, 1945

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARTFORD, NEW JERSEY

92CM - 6652

SPECTRAL SENSITIVITY CHARACTERISTIC OF PHOTOTUBE HAVING S-5 RESPONSE FOR EQUAL VALUES OF RADIANT FLUX AT ALL WAVELENGTHS



MAR. 25, 1947

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARTFORD, NEW JERSEY

92CM - 6814