LightSpex Spectroradiometer Traceability

X-Rite selected a calibrated Optronics Labs OL 220A lamp (s/n M-1516) to be used as a standard lamp.

Lamp M-1516 is designated as the Secondary Master
LightSpex Standard with Optronics Report of Calibration
(Project No: 918-951)
and Lamp M-1516 is placed into standards recall database
with a unique ID# 23309.

A seasoned uncalibrated Optronics Lamp s/n M-1523 is designated as the Working Standard Lamp.

NIST measures bulb (ID# M-1523) issues calibration report NIST Test No.: 685/292314-18 and Lamp M-1523 is placed into standards recall database with a unique ID# 23344.

The Optronics Laboratories OL 65A power supply ID 3589 is used in each of the following steps and is monitored externally using a precision ISOTEK CS-10 current shunt ID# 3590 and HP 34401A voltmeter ID# 3180 per section 5.1 of Quality Work instruction (QWI05-03).

Secondary Master Lamp (ID# 23309) is used to create and maintain the Working Standard Lamp (ID# 23344) using the Standard LightSpex radiometer (ID# 12933) and power supply (ID# 3589) per process Quality Work Instruction (QWI05-03).

Working Standard Lamp (ID# 23344) and power supply (ID# 3589) is used to calibrate LightSpex instruments per Quality Work Instruction (QWI05-03).