Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date	8/4/2011	_			
Model Number	QSR-2200	_			
Serial Number	20128	_			
Operator	TPC				
Standard Lamp	GS-1024(7/22/11))			
Probe Excitation Voltage Range:		6	_to	18	_VDC(+)
Output Polarity:	Positive	_			
Probe Conditions at C					
Calibration Voltage: Probe Current:		3.4	VI	DC(+) A	
Probe Output Voltage	<u>:</u>				
Probe Illuminated Probe Dark Probe Net Response RG780		100.7 1.2 99.5 1.7	m' m'	V	
Corrected Lamp Outp	ut:				
Output In	Air (same condition	n as calibra	tion):		
Output In	Air (same condition	_quanta/cm	n²sec		
	9.298E+15 0.01544		n²sec		
Output In Calibration Scale Factor (To calculate irradiance)	9.298E+15 0.01544 tor:	_quanta/cm _uE/cm²se	n²sec c	Volts by	this value. _,
Calibration Scale Fac	9.298E+15 0.01544 tor:	_quanta/cm _uE/cm²se	n²sec c ling in /cm²se		this value. _/

Notes:

- 1. Annual calibration is recommended.
- 2. Calibration is performed using a Standard of Spectral Irradiance traceable to the National Institute of Standards and Technology (NIST).
- 3. The collector should be cleaned frequently with alcohol.
- 4. Calibration was performed with customer cable, when available.