# OPTRONIC<sup>™</sup> L A B O R A T O R I E S

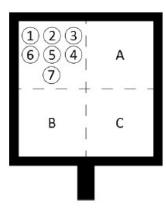
# RAW DATA FOR HIGH-POWER LASER

PTFE is one of three coatings Optronic Laboratories uses inside its integrating spheres. For applications involving high power lasers, the user should operate within the limitations prescribed below.

## **Experimental Setup**

- Disk-Laser emitting @ 1030 nm
- Measurement with 2 mm beam diameter close to focus

#### Division of Sample-Surface



#### Test Areas - #1 - #6

AREA #	POWER	DURATION	BEAM DIAMETER	COMMENT
1	500W	1s	2mm	No Visible Damage
2	1kW	1s	2mm	No Visible Damage
3	1kW	10s	2mm	No Visible Damage
4	2kW	1s	2mm	No Visible Damage
5	2kW	10s	2mm	Visible Damage
6	2kW	5s	2mm	No Visible Damage

\* See Figures

Before Exposure



After Exposure



## After Exposure



Information Sheet: IS84 Feb 2019 As part of our policy of continuous product improvement, we reserve the right to change specifications at any time.