

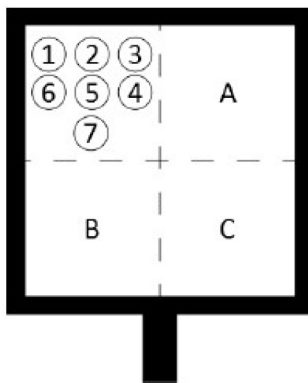
# RAW DATA FOR HIGH-POWER LASER

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

