```
function extractMeasurements(groupedMeasurements){
    var group;
    var total = [];
    for(var i = 0; i < groupedMeasurements.length; i ++){
        group = groupedMeasurements[i];
        total = total.concat(group.measurements);
        total.push({ label: "empty" });
    }
    return total;
}
var outerRadius = w * 0.4, innerRadius = w * 0.3;
var arc = d3.svg.arc()
    .innerRadius(innerRadius)
    .outerRadius(outerRadius);
var pie = d3.layout.pie().value(
    function (d) { return d.label === "empty" ? 1: 2;
    }).sort(null); // Avoid sorting to preserve the data source order.
var measurementsArray = extractMeasurements(groups);
var measurementsObjects = pie(measurementsArray);
```