

Spectral Measurement Data for Flowers

1. Data file

\FLOWERS folder contains only one file shown in table 1.

Table 1 Data file for measured flowers.

File name	No. of colours
flower.org	148

2. Measured flowers and flower names

This set of spectral data was provided by Japan Color Research Institute. Flower names were described under a keyword 'SAMPLE_LOC' in data headers in English in consistency with data in other categories (table 2). For a few flowers, Japanese names are also added to the English names in parentheses, since they may be of different species. There are also flowers whose names are 'unknown'. From 1 to 42 colours were measured for each of the kinds of flowers.

3. Measurement method

Spectral measurement was carried out using the device '11'. The optical geometry condition was 0/d (specularity excluded). As petals of flowers are very thin, they were stacked up till they

Table 2 Flower names and number of colours measured.

English name	Japanese name	No. of Colours
Aconite	(Torikabuto)	1
Begonia		1
Geranium		5
Gerbera		20
Gladiolus		2
Day-Lily		41
Iris		42
Lily		2
Lobelia		2
Polemonium		1
Balloon Flower	(Kikyo)	4
Climbing Lily		1
Cosmos		4
African Violet		4
Camellia	(Tsubaki)	4
Larkspur		4
Butterfly Bush		3
Unknown		5
Show Geranium		1
Lily Magnolia	(Mokuren)	1
Total		148