

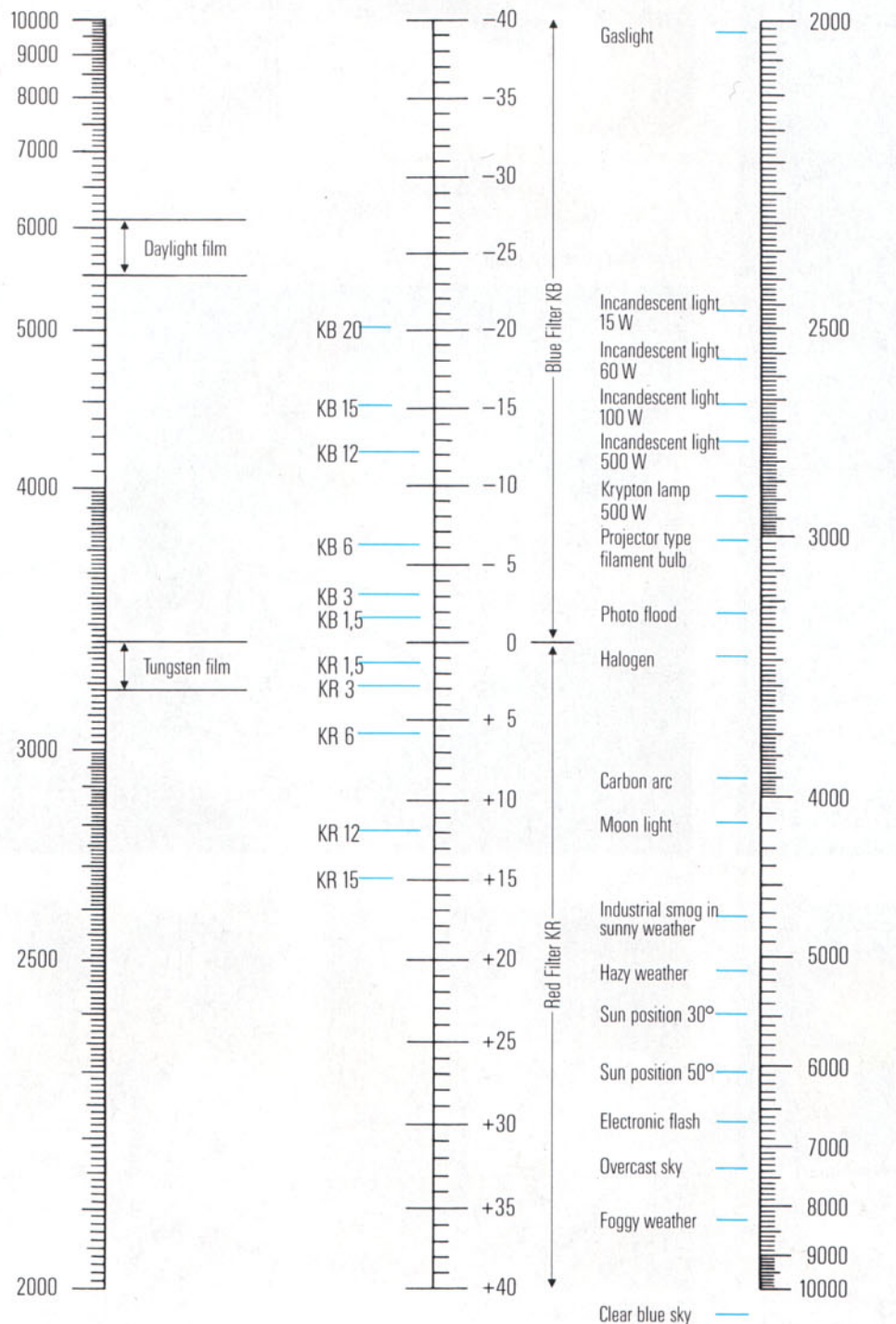
# Filter Factors

The results listed in the filter chart below are determined under defined conditions. However, they are approximate and apply to an average within a wide range of film and lighting variations. They are not valid for every picture situation. Optimal filter effects require an optimal exposure which can never be a constant. Color temperature, angle of incidence, and filter effect substantially vary with the time of day and season. One must take into consideration the different subjects and the desired tone or message of the picture along with a variety of unforeseen, technically caused, influences such as nuances in the reaction of the film, developing, and tolerances of camera functions. Filter factors are only guide values which give a solid base from which individual preferences can be adapted.

The table shows the conversion of filter factors to f-stops values.

Filter Factor	1.5	2	2.5	3	3.5	4	5	6	8	10
f-stop value	1/2	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3	3 1/4

# Color Temperature Table



Place the transparent ruler so it crosses the outside scales indicating type of film and type of light. At the point in the middle scale where the ruler intersects, the required filter or filter combination is shown.