The ISO LWS beam profile

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The shape of the ISO LWS beam profile is explored and the method used to determine the effective aperture of the beam for each detector is described. These values are used to correct LWS fluxes of extended sources and a comparison with IRAS fluxes is given. The change in the beam profile with wavelength is consistent with the changing resolution of the instrument. However, the LWS beam size is found to be significantly smaller than the value expected at launch and the possible reasons for this are discussed.