



*Fig. 2.* Transversal intensity distribution of the field formed by ideal axicon (black curve) and axicon with blunt profile with  $a = 8 \mu\text{m}$  (red curve).

Parameters:  $\lambda = 532 \text{ nm}$ ;  $R = 1.77 \text{ cm}$ ;  $n = 1.4657$ ;  $\alpha = 2^\circ$ ;  $w_1 = 2 \text{ mm}$ ;  $z = 45 \text{ cm}$