

$$\frac{I(\alpha)}{I_0} = \begin{cases} \sqrt{1 - \frac{\alpha}{\pi} + \frac{1}{\pi} \sin \pi \alpha} & \varphi = 0 \\ \sqrt{\pi \left(1 - \frac{\alpha}{\pi}\right) (\pi + \cos \pi \alpha) + \frac{1}{\pi} \sin \pi \alpha} & \varphi = \frac{\pi}{\pi} \end{cases} \quad (1)$$