

State	Amplitude	Phase	Ellipse
LHP	$E_{0y} = 0$	0	$\longleftrightarrow$
LVP	$E_{0x} = 0$	0	$\updownarrow$
$L_{+45}P$	$E_{0x} = E_{0y}$	0	$\nearrow$
$L_{-45}P$	$E_{0x} = E_{0y}$	$\pi$	$\searrow$
RCP	$E_{0x} = E_{0y}$	$\pi/2$	$\circlearrowright$
LCP	$E_{0x} = E_{0y}$	$-\pi/2$	$\circlearrowleft$