

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