

ceiling



A diagram showing a curved path starting from a horizontal line at the top labeled "ceiling". A vertical dashed line descends from the starting point of the curve. The curve itself is solid blue and curves to the right as it descends. At the bottom of the dashed line, there is a small horizontal tick mark. Labels  $x = L$  and  $x = 0$  are placed to the right of the dashed line, with arrows pointing to the top and bottom points respectively.

$$x = L$$

$$x = 0$$