```
def angle(image_gray, nlines, alpha, verbose=False):
    if verbose:
        print "Get angle"
    width = image_gray.shape[1]
    edges = cv2.Canny(image_gray, 50, 150, apertureSize=3)
    angle = None
    begin = 0
    end = width
    while angle is None:
        middle = (begin + end)/2
        lst_angle = []
        lines = cv2.HoughLines(edges, 1, np.pi/180, middle)
        try:
            for rho, theta in lines[0]:
                theta = 180*theta/np.pi
                if theta < alpha:
                    lst_angle.append(theta)
                elif theta > 180 - alpha:
                    lst_angle.append(-(180 - theta))
            if len(lst_angle) == nlines or end - begin == 1:
                angle = np.average(lst_angle)
            elif len(lst_angle) < nlines:
                end = middle
            elif len(lst_angle) > nlines:
                begin = middle
        except TypeError:
            end = middle
    return angle
```