a)	0:	4	2	1	0	$\pi/4$:	4	1	0	0
		2	4	0	0		1	2	2	0
		1	0	6	1		0	2	4	1
		0	0	1	2		0	0	1	0
	$\pi/2$:	6	0	2	0	$3\pi/4$:	2	1	3	0
		0	4	2	0		1	2	1	0
		2	2	2	2		3	1	0	2
		0	0	2	0		0	0	2	0

b) Texture analysis

c) horizontal direction: values are spread out vertical direction: values are concentrated on the diagonal

d) Contrast: $\sum_{i,j} (i-j)^2 p(i,j)$

e)
$$\int_0^{2\pi} \int_0^{r'} F(r, \phi) dr d\phi$$

This feature measures the energy in the low-frequency range of the Fourier spectrum)