Comparison of Lead Apron Protection					
Distance (ft)	Thickness (mm)	Angle (deg)	Dose	(mR)	
	0.5	90	0.012	(	1
2	0.25	90	1.595		130 X's more radiation
3	0.5	90	0		
	0.25	90	0.834		
4	0.5	90	0		
	0.25	90	0.546		
5	0.5	90	0		]
	0.25	90	0.338		
6	0.5	90	0		
	0.25	90	0		
2	0.5	60	0		
	0.25	60	1.057		
3	0.5	60	0		
	0.25	60	0.62		
4	0.5	60	0		]
	0.25	60	0.389		
5	0.5	60	0		]
	0.25	60	0		

The cumulative dose through a lead apron during 1 minute of fluoroscopy at various distances. A phantom is supine with 6 in of polyethylene blocks under it. In room flouro II is 4in above midline of phantom. The ion chamber records measurements perpendicular (90 deg) to the migsagittal plane of the phantom and 60 degrees off of perpendicular.



Disclaimer: Digital Radiography Solutions cannot be held responsible for any images taken or passed at your facility. Your radiologist or physician always has the final say if the image is of diagnostic value.