

<b>Comparison of Lead Apron Protection</b>			
<b>Distance (ft)</b>	<b>Thickness (mm)</b>	<b>Angle (deg)</b>	<b>Dose (mR)</b>
<b>2</b>	<b>0.5</b>	<b>90</b>	<b>0.012</b>
	<b>0.25</b>	<b>90</b>	<b>1.595</b>
<b>3</b>	<b>0.5</b>	<b>90</b>	<b>0</b>
	<b>0.25</b>	<b>90</b>	<b>0.834</b>
<b>4</b>	<b>0.5</b>	<b>90</b>	<b>0</b>
	<b>0.25</b>	<b>90</b>	<b>0.546</b>
<b>5</b>	<b>0.5</b>	<b>90</b>	<b>0</b>
	<b>0.25</b>	<b>90</b>	<b>0.338</b>
<b>6</b>	<b>0.5</b>	<b>90</b>	<b>0</b>
	<b>0.25</b>	<b>90</b>	<b>0</b>
<b>2</b>	<b>0.5</b>	<b>60</b>	<b>0</b>
	<b>0.25</b>	<b>60</b>	<b>1.057</b>
<b>3</b>	<b>0.5</b>	<b>60</b>	<b>0</b>
	<b>0.25</b>	<b>60</b>	<b>0.62</b>
<b>4</b>	<b>0.5</b>	<b>60</b>	<b>0</b>
	<b>0.25</b>	<b>60</b>	<b>0.389</b>
<b>5</b>	<b>0.5</b>	<b>60</b>	<b>0</b>
	<b>0.25</b>	<b>60</b>	<b>0</b>

130 X's more radiation

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 fluoro 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.



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