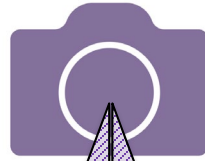


Community Discussion
January 13, 2021

Video Considerations:
Color Guard Groups

Karl@wgi.org



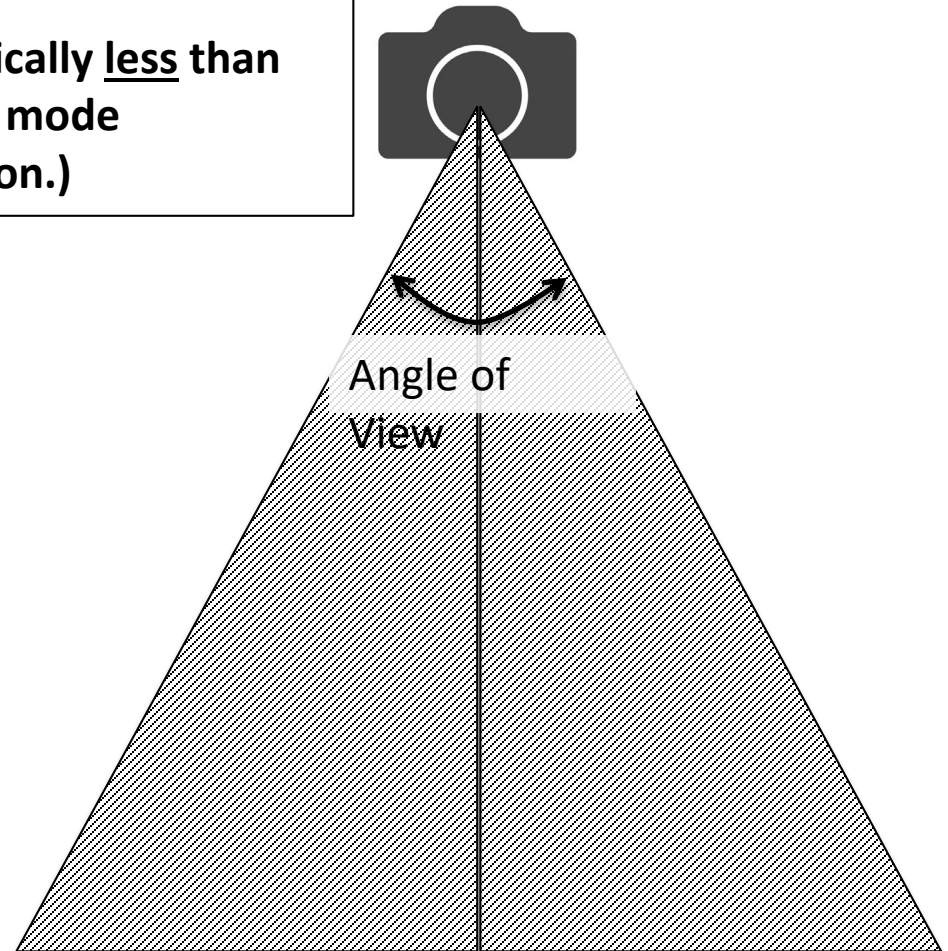
VIDEO GUIDELINES:

- **1 fixed camera- no zooming/panning**
- **Location of camera is your choice**
- **Single shot - Unedited performance**
- **All performers remain in camera's field of view**

Explanation of “Angle of View”

...Each Camera’s view is determined by how much of its surroundings it can capture-
This is called “Angle of View”

(The Angle of view in Video mode is typically less than the angle of view in still camera mode
In order to support stabilization.)



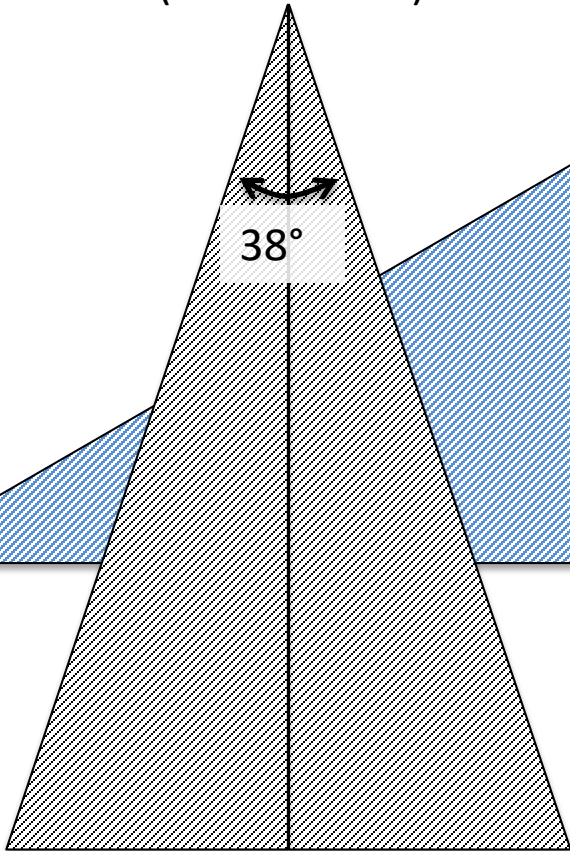
“Angle of View”

...so we can consider how we ‘see’ in a virtual setting

(Devices are different ...These are my devices....)

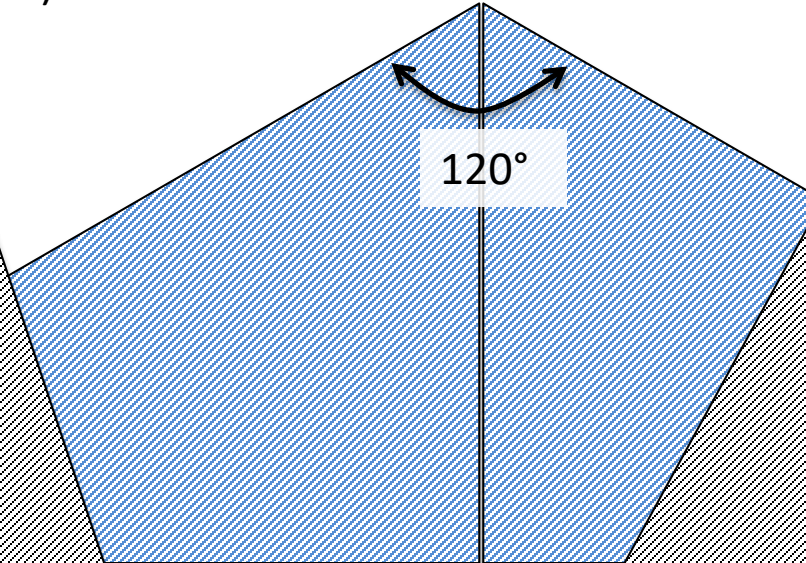
I-PAD

38° Viewing Angle
(Video Mode)



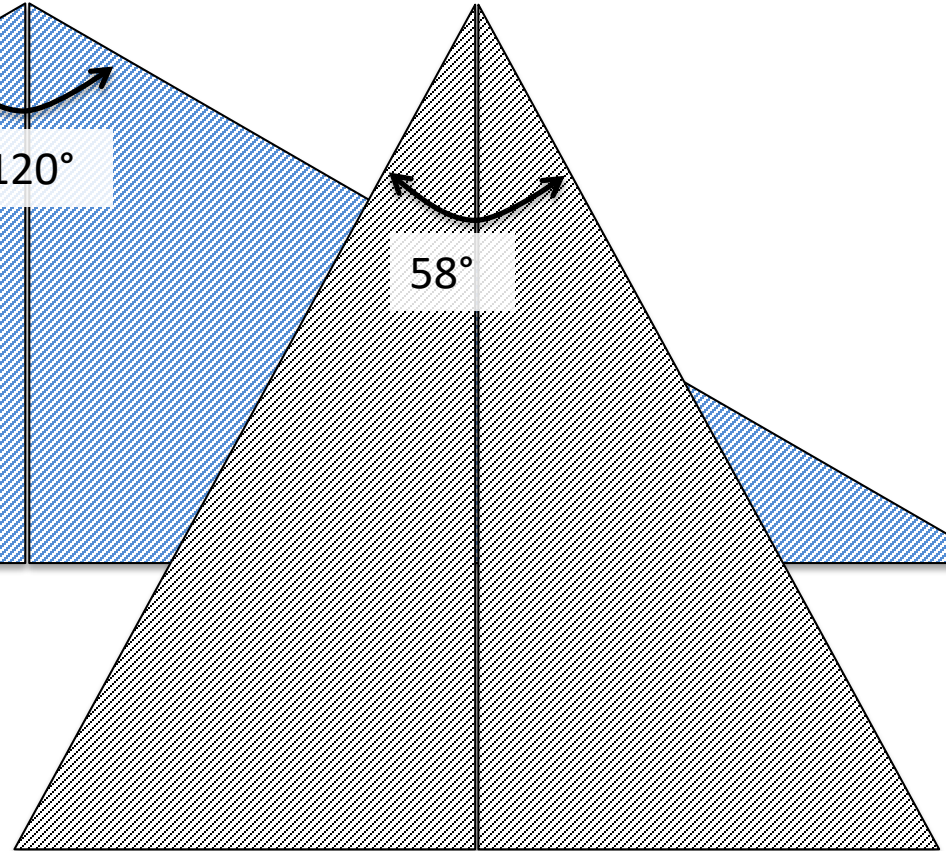
Naked Eye

120° Viewing Angle



I-PHONE

58° Viewing Angle
(Video Mode)



To Capture a 40 foot front sideline...

See the different distances depending on device..
Understand that you lose ability to see clearly in detail,
as distances increase

The I-PAD
Would be 60 feet away

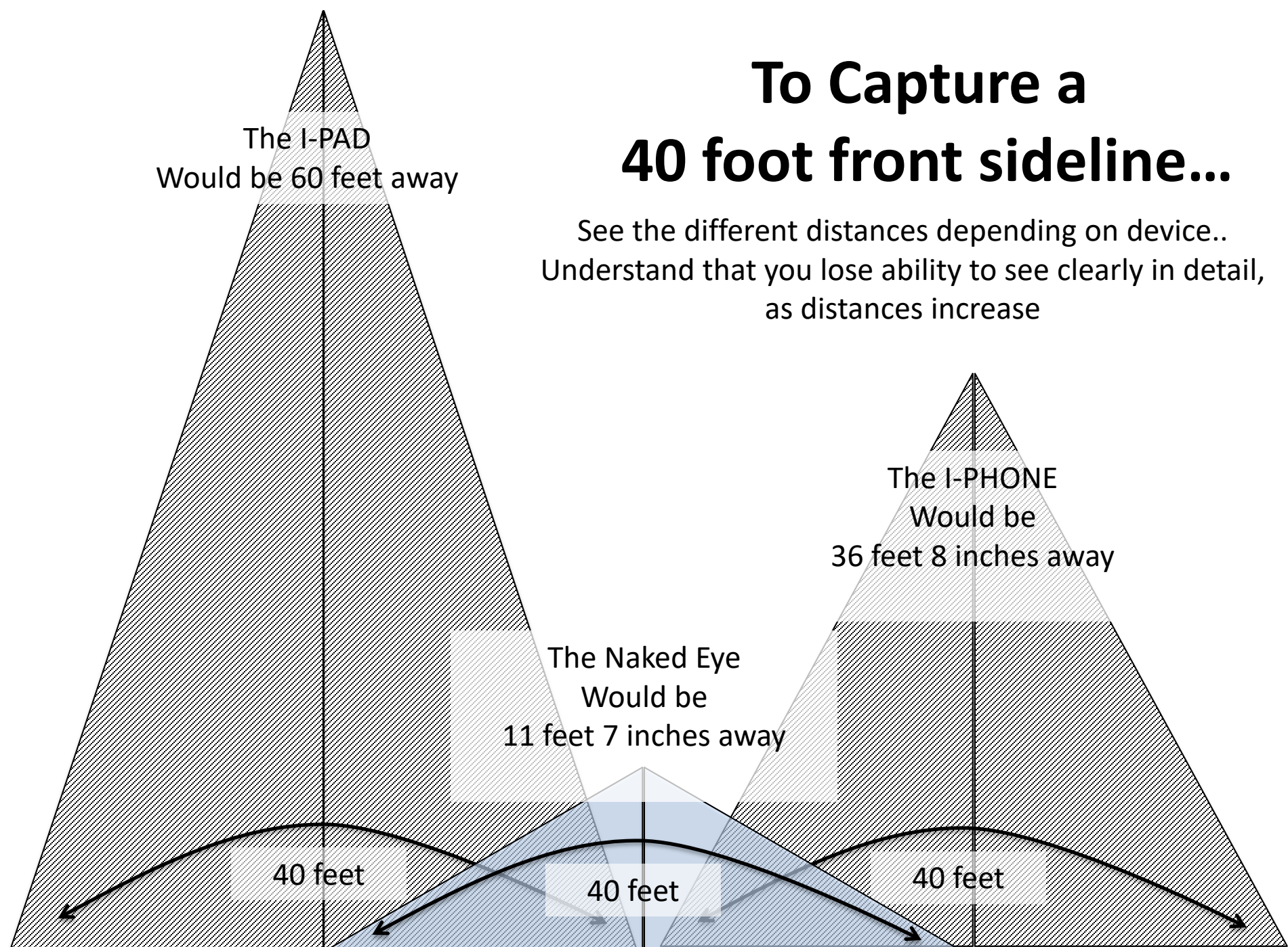
The I-PHONE
Would be
36 feet 8 inches away

The Naked Eye
Would be
11 feet 7 inches away

40 feet

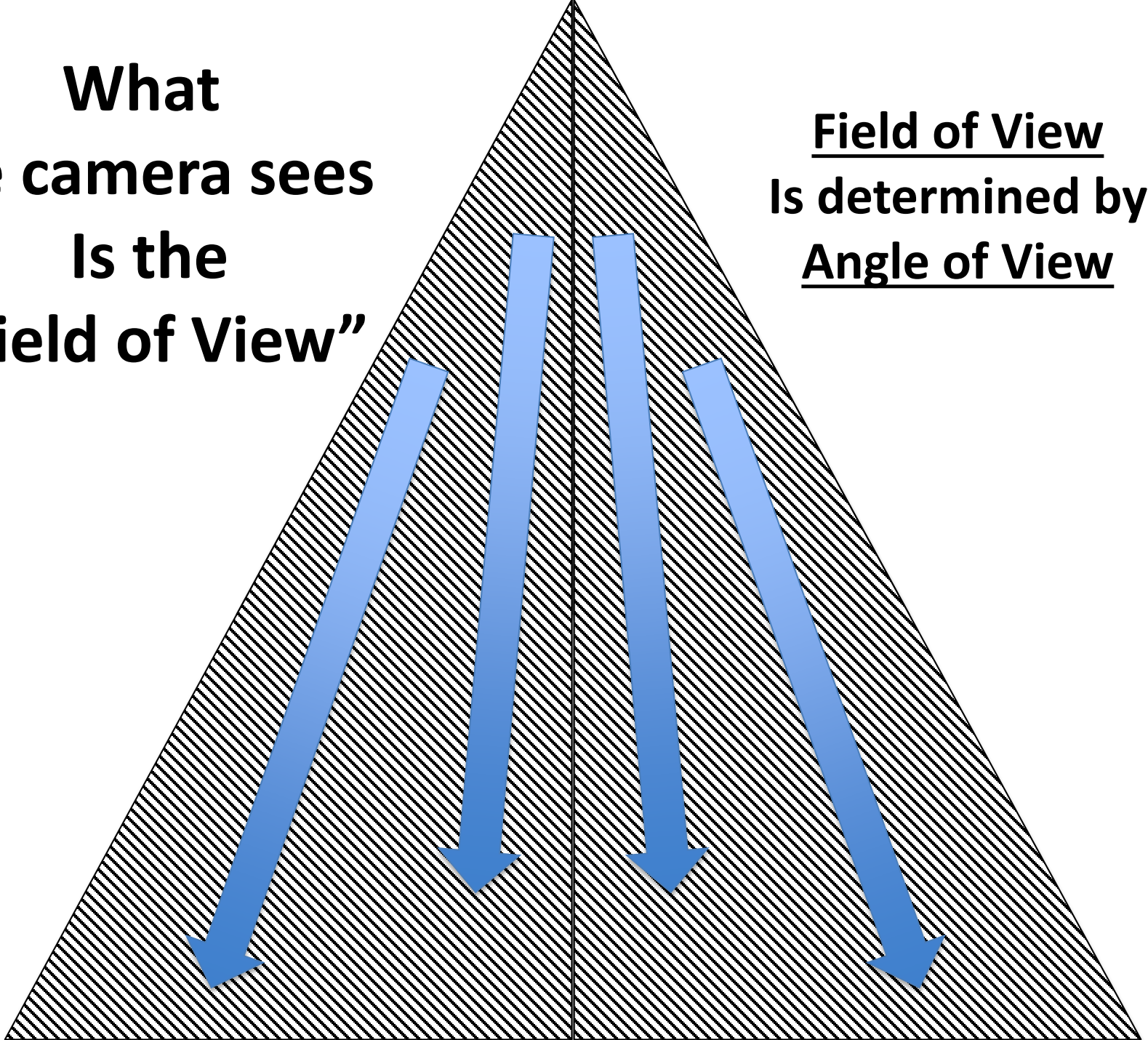
40 feet

40 feet

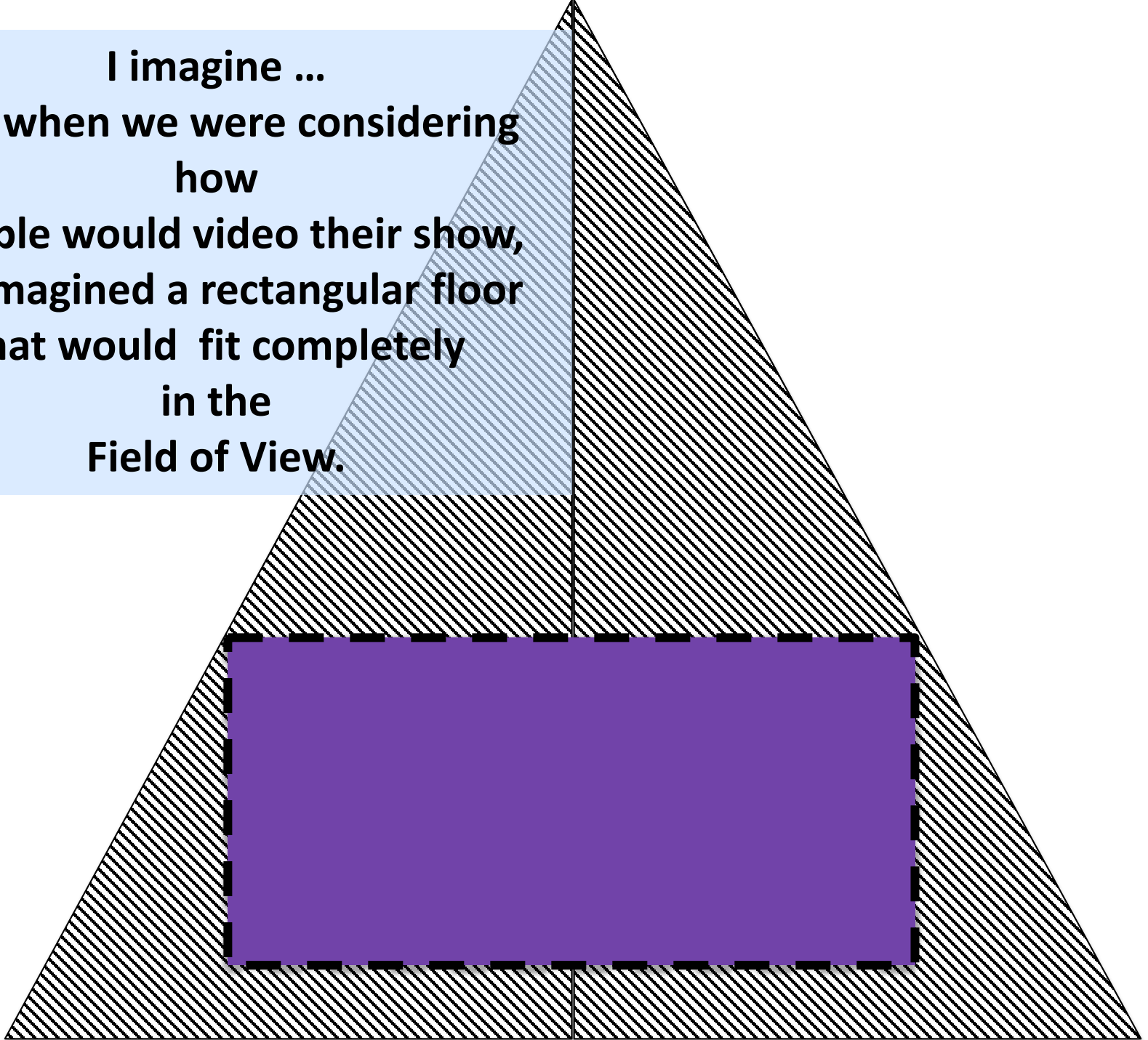


**What
the camera sees
Is the
“Field of View”**

**Field of View
Is determined by
Angle of View**

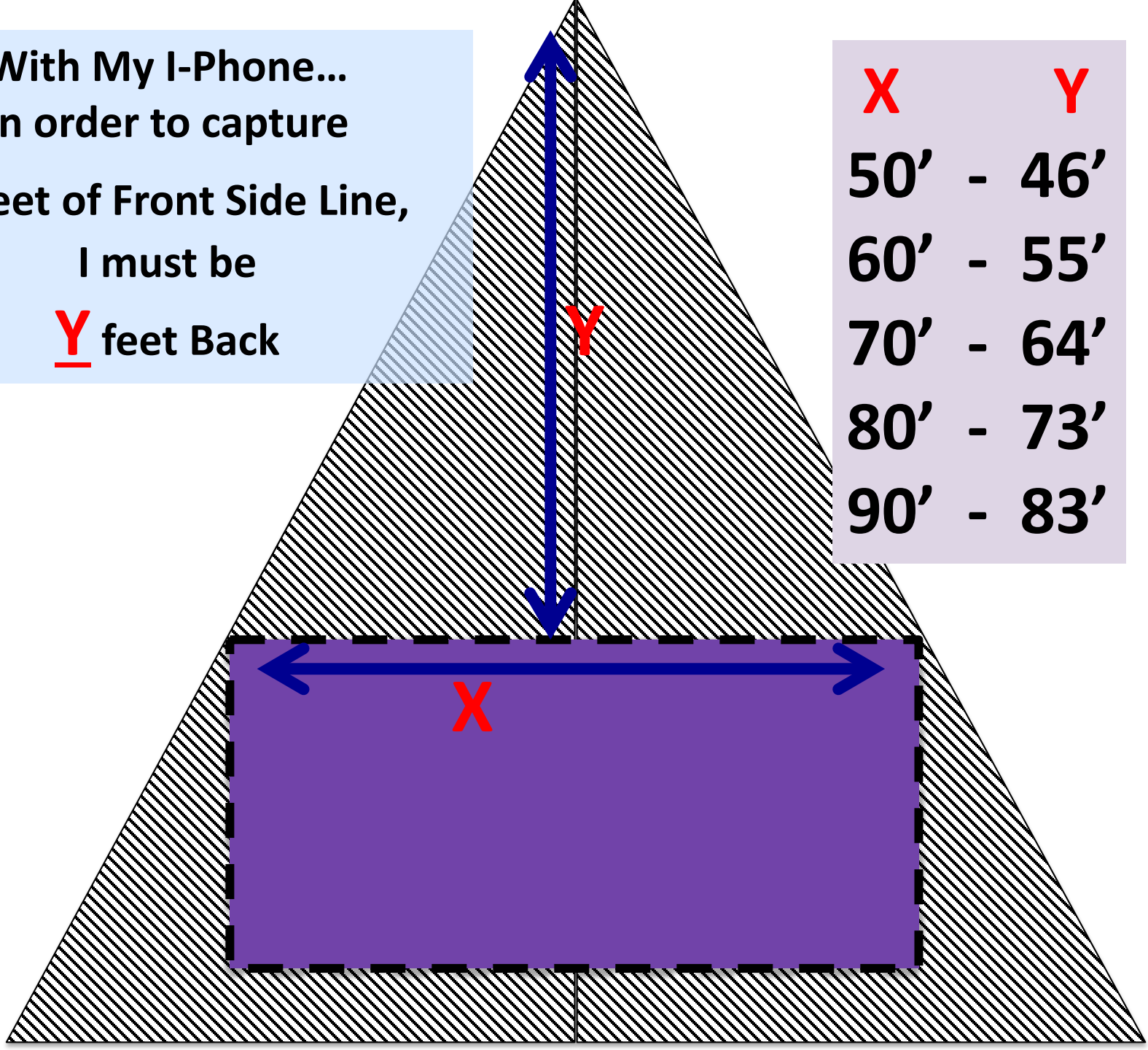


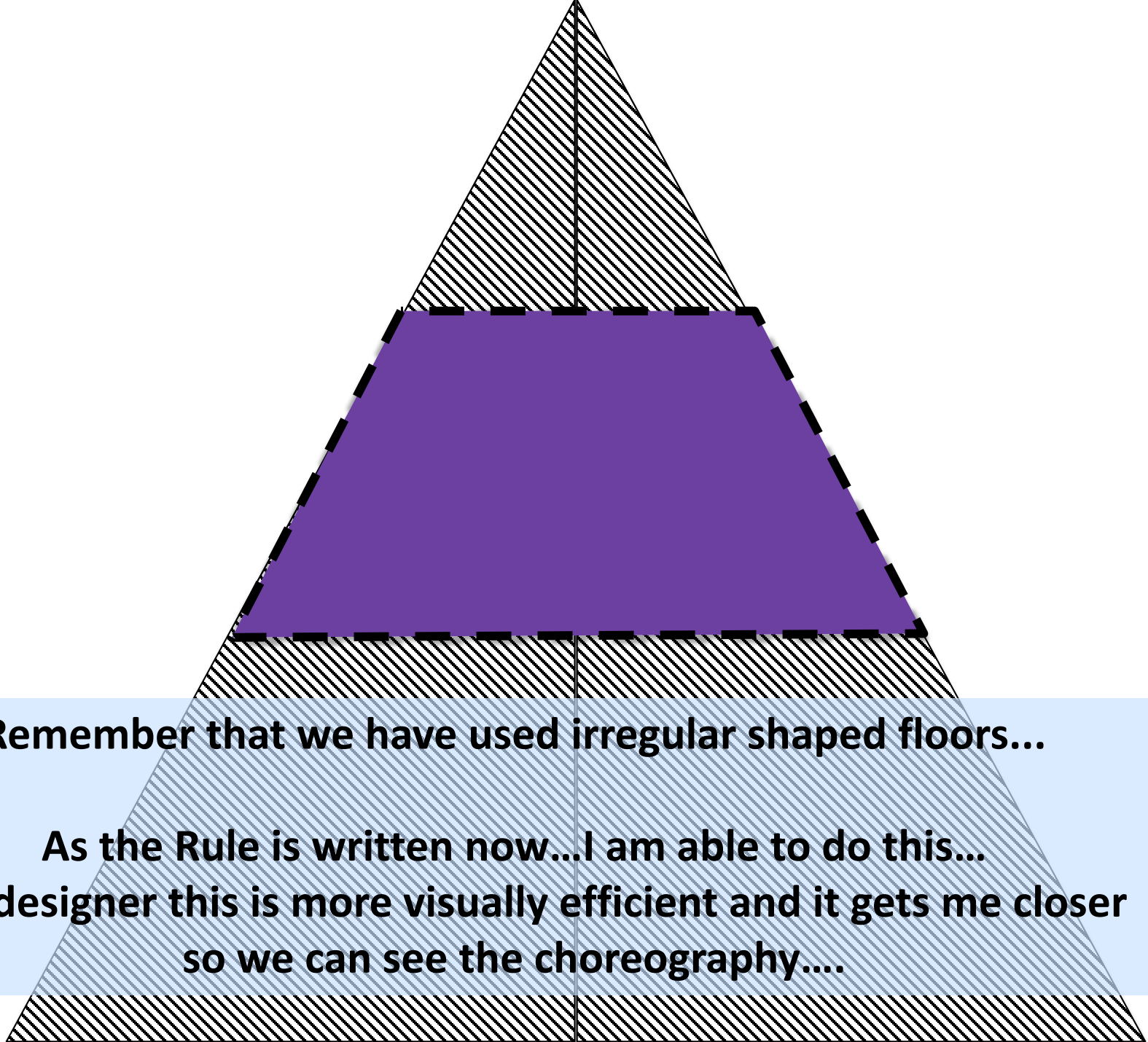
**I imagine ...
that when we were considering
how
people would video their show,
we imagined a rectangular floor
that would fit completely
in the
Field of View.**



With My I-Phone...
In order to capture
X feet of Front Side Line,
I must be
Y feet Back

X	Y
50'	46'
60'	55'
70'	64'
80'	73'
90'	83'





Remember that we have used irregular shaped floors...

**As the Rule is written now...I am able to do this...
As a designer this is more visually efficient and it gets me closer
so we can see the choreography....**

In this case...

(I-Phone Video Camera)

The Field of View would

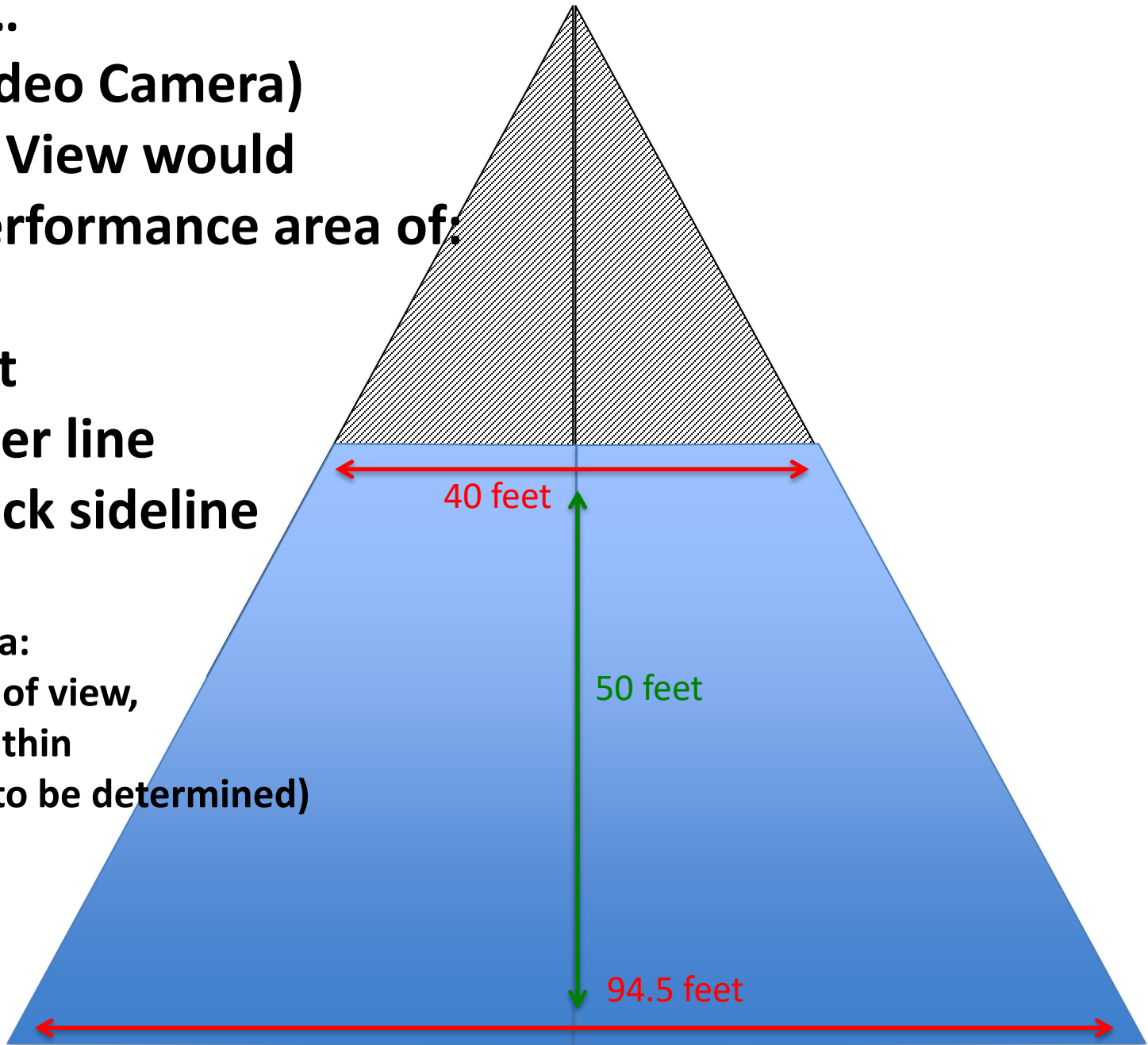
Include a performance area of:

40 foot front

50 foot center line

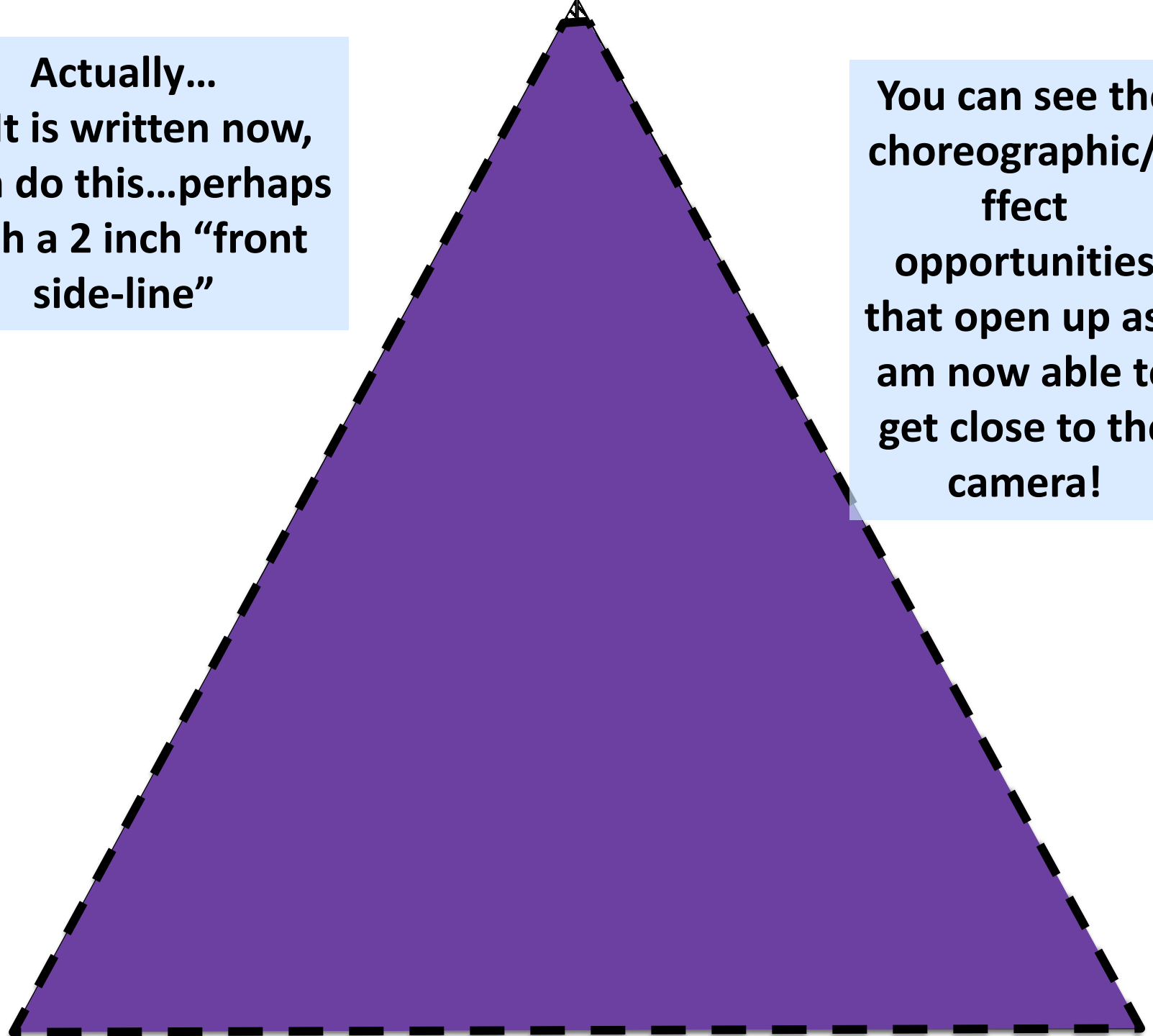
94.5 foot back sideline

Performance area:
maximizing field of view,
and operating within
(reasonable-yet to be determined)
guidelines

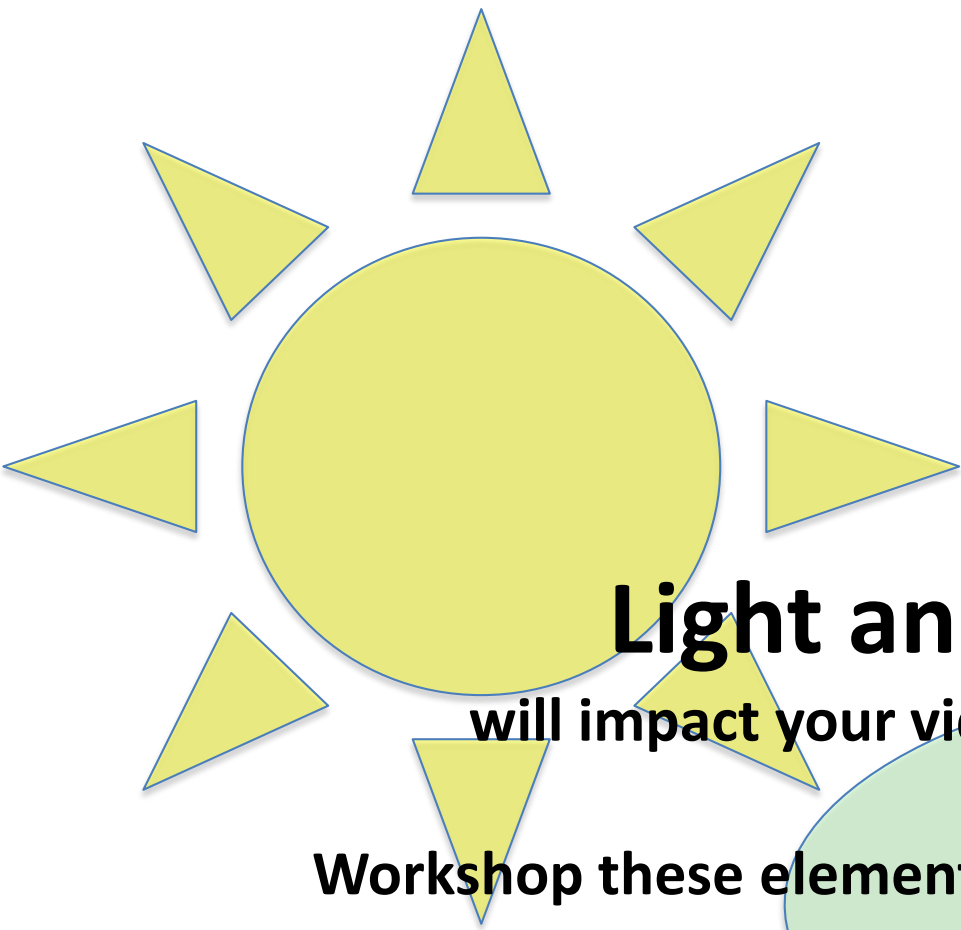


Actually...

**As It is written now,
I can do this...perhaps
with a 2 inch “front
side-line”**



**You can see the
choreographic/e
ffect
opportunities
that open up as I
am now able to
get close to the
camera!**



Light and Sound

will impact your video's effectiveness

Workshop these elements as part of your design!



**Understand the challenge first,
Then do the work to turn this into an opportunity**

**Practice video options BEFORE you start!
Get use to looking at your program “through this lens”**

Let this new awareness inform your choices!

