Beam Spread

d

8 Feet

6 Feet

4 Feet

A

Light Source

40 Degree

30 Degree

10 Degree

1.5 Feet   4 Feet   6 Feet

s

Beam spread in degrees = **A**

Distance to surface in feet = **d**

Total beam spread in feet = **s**

$s = (2)(d)\tan(1/2 * A)$