Task 5 Notes

3.4 cm = minimum distance
400 cm = maximum distance

12 lights total
¼ of 12 lights = 3 lights = # of Red lights
½ of 12 lights = 6 lights = # of Yellow lights

Red (less than ¼ the max distance): Between 0 and 100 cm
100 cm / 3 lights = 33 cm per light

Light 1 = Red: >0
Light 2 = Red: >33
Light 3 = Red: >66

Yellow (greater than ¼ and less than ½ the max distance): Between 100 cm and 200 cm
200-100 = 100
100 cm / 6 lights = 16.7 cm per light

Light 1 = Yellow: >100
Light 2 = Yellow: >116.7
Light 3 = Yellow: >133.3
Light 4 = Yellow: >150
Light 5 = Yellow: >166.7
Light 6 = Yellow: >183.3

Green (greater than ½ the max distance): Greater than 200 cm
All lights = Green: >200