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$$1D = \frac{21301610}{ABCD}$$

$$RhB = (1-0.1)1-0.3, 1-0.21)$$

$$= (0.9, 0.7, 0.79)$$

$$0 \quad v = 0.9 \times 100 = 90$$

①
$$V = \frac{0.2}{0.9} \times 100 = 22.22$$

$$\frac{1}{3} H = \frac{R - B}{R} = \frac{0.7 - 0.79}{0.2} = -0.45$$

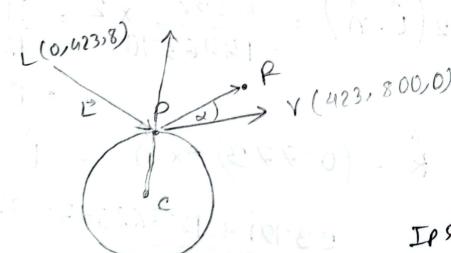
$$H = -0.45 + 360 = 359.55$$

Line:
$$9 \times -9 \times +423 = 0$$
 $9 \times -9 \times +423 = 0$
 $9 \times -9 \times +423$
 $9 \times = 9 \times +423$
 $9 \times = 100$
 $9 \times -9 \times +423$
 $9 \times = 100$
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Quiz 3

$$P(30,16,10)$$
 $Ip = 70$
• $L(0,423,8)$ $Us = 0.9$
 $Y(423,800)$ $N = 9$ $C(0,0,0)$

(a)



(b) Minimum intensity of light is 70 % 2000

(c)
$$R = 2(\hat{1}.\hat{n})\hat{n} - \hat{1}$$

 $L = (0,423,8) - (30,16,10)$
 $-(-30,407,-2)$
 $\hat{1} = \frac{-30i + 407\hat{j} - 2\hat{k}}{408!}$

$$\hat{N}: \vec{R} = P - C = (30/16/10) - (0/000)$$

$$= \frac{(30/16/10)}{2\sqrt{3/4}}$$

$$2(\hat{L}. \hat{N}) = \frac{592}{14463\cdot10} \times 2 = \frac{11184}{14463\cdot10}$$

$$= 0 \cdot 773$$

$$\hat{R} = (0 \cdot 773) \times \hat{N} - \hat{L}$$

$$= \frac{23\cdot19\hat{1} + 12\cdot368\hat{1} + 7\cdot73\hat{N}}{2\sqrt{3}14} - \frac{30\hat{1} + 407\hat{1} - 20\hat{1}}{408\cdot1}$$

$$= 0 \cdot 654\hat{1} + 0 \cdot 348\hat{1} + 0 \cdot 21\hat{N} - (-0.073\hat{1} + 0.997\hat{1} - 4.9110\hat{1})$$

$$= 0 \cdot 727\hat{1} - 0.649\hat{1} + 0.205\hat{1}\hat{N}$$

$$D = V - P = (423,800,0) - (30,14,10)$$

$$= (393,784) - 10$$

$$|D| = \sqrt{(393)^{4} + (784)^{4} + (-10)^{4}}$$

$$= 877.04$$

NOW,
$$0.5 = \left(\frac{877.0.4}{877.0.4}\right)^{1/2}$$

$$\frac{\sqrt{2}}{2} \times \pi = 877.09$$

$$7 = \frac{877.04\times2}{1240.32}$$

$$\begin{array}{l}
\text{P} \\
\text{I} = \text{Ip Us m} (\mathring{V}. \hat{R}, 0) \\
\text{P} \\$$