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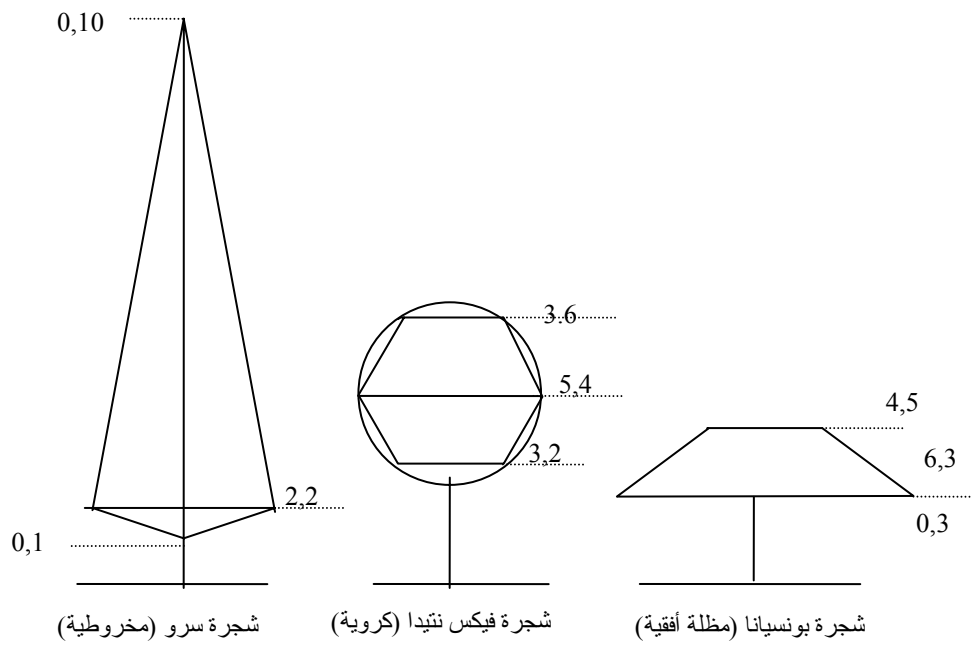
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Orientation shift =  $L = h \cos \text{alt}$ .

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Xshift =  $L \sin \text{azimuth}$

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Y shift = L cos azimuth

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**كثافة إظلال للشجرة:**

(SD)

Shading Coefficient = SD x L

Landscape Architecture

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E

% SC

$L = t / \cos\theta$

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<sup>1</sup> Brown & Gillespie, Microclimatic Landscape Design, pp.98

$$0.5m = 0.5 / 1 = \quad :$$

$$e = 1 - sc = \quad - \quad :$$

$$E = e / L = 20 / 0.5 = 40 \% = \quad :$$

$$L = 0.5m / \cos 30 = 0.577m$$

$$E = 20 / 0.577 = 34.6 \%$$

$$L = 0.5m / \cos 60 = 1 m$$

$$E = 20 / 1 = 20 \%$$

$$L = 0.5m / \cos 80 = 2.9 m$$

$$E = 20 / 2.9 = 68 \%$$

		L /	
		cos q	
40 %	20 %	0.5	0
35 %	20 %	0.577	30
20 %	20 %	1	60
7 %	20 %	2.9	80

$$E = e \cos \theta / t$$

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