



SLOPE IN °	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00
1% UP	4.536	2.488	1.831	1.207	0.899	0.881	0.993	1.300
1% DOWN	3.477	2.448	1.888	1.236	0.941	0.941	1.054	1.360
2% UP	4.704	2.487	1.808	1.182	0.983	0.915	0.915	1.240
2% DOWN	3.794	2.488	1.714	1.212	0.924	0.910	0.910	1.240
3% UP	5.482	2.570	1.578	1.178	0.974	0.907	0.907	1.120
3% DOWN	4.152	2.583	1.401	1.244	0.934	0.993	0.993	1.240
4% UP	6.266	2.513	1.335	1.181	0.984	0.909	0.909	1.120
4% DOWN	5.215	2.462	1.778	1.268	0.949	0.968	0.968	1.240
5% UP	7.121	2.381	1.231	1.132	0.910	0.881	0.881	1.000
5% DOWN	5.703	2.425	1.609	1.201	0.919	0.919	0.919	1.000

43° N

SEPT. 21

SHADOW LENGTH = HEIGHT x COEF. HEIGHT = SHADOW LENGTH ÷ COEF.

for slope chart co-efficient enlargement, see next page

slope chart for September 21

Slope in % and direction		0:500 and 19:00 Hours	06:00 and 18:00 Hours	07:00 and 17:00 Hours	08:00 and 16:00 Hours	09:00 and 15:00 Hours	10:00 and 14:00 Hours	11:00 and 13:00 Hours	12:00 Hours
1%	UP			4.936	2.486	1.630	1.207	0.993	0.924
	DOWN			5.477	2.618	1.686	1.237	1.013	0.941
2%	UP			4.704	2.428	1.605	1.193	0.983	0.915
	DOWN			5.794	2.689	1.714	1.252	1.024	0.950
3%	UP			4.493	2.370	1.579	1.179	0.974	0.907
	DOWN			6.153	2.763	1.744	1.268	1.034	0.959
4%	UP			4.296	2.315	1.554	1.164	0.965	0.899
	DOWN			6.555	2.842	1.776	1.285	1.045	1.969
5%	UP			4.123	2.231	1.530	1.152	0.955	0.891
	DOWN			7.013	2.925	1.807	1.301	1.056	0.978