

Table 96-5 PAVILION ANGLES FOR THE 8 MAIN ELLIPSE (96 INDEX)

Ellipse Size (mm)	6 x 7	6 x 8	6 x 9	5 x 7	7 x 9	8 x 10
	12 x 14	12 x 15	12 x 18	10 x 14	14 x 18	16 x 20
18 x 21	18 x 24	18 x 27	15 x 21	21 x 27		
24 x 28	24 x 32	24 x 36	20 x 28	28 x 35		
INDEX SETTING						
96 - 48	47.4	51.1	54.5	52.5	50.2	49.4
10 - 38 - 58 - 86	45.6	---	---	---	47.1	46.7
24 - 72	43.0	43.0	43.0	43.0	43.0	43.0
09 - 39 - 57 - 87	---	48.1	---	48.9	---	---
02 - 46 - 50 - 94	49.0	52.9	55.2	54.3	52.0	51.2
08 - 40 - 56 - 88	48.2	---	50.7	---	50.0	49.5
13 - 35 - 61 - 83	46.7	---	---	---	47.7	47.4
21 - 27 - 69 - 75	45.0	---	---	---	45.2	45.2
06 - 42 - 54 - 90	---	---	54.3	---	---	---
07 - 41 - 55 - 89	---	51.1	---	52.1	---	---
12 - 36 - 60 - 84	---	48.5	49.7	49.0	---	---
20 - 28 - 68 - 76	---	45.4	---	45.5	---	---
19 - 29 - 67 - 76	---	---	45.8	---	---	---

Angles shown in the Table are elevation angles chosen so that no cheater adjustments should be necessary. In order to condense the information, some of the index settings are not used with every ellipse. Note the symbol (---) indicates the index settings do not apply. All stones with the same ellipse proportions can be cut with the same angles and settings.

Calculations for this table were made by R. H. Long

