



Five Star Cut

by Robert W. Strickland 3/15/97

USFG Newsletter, Vol. 7, No. 1-2, Mar-Jun. 98, p. 30

Angles for R.I. = 1.540

76 facets + 10 girdles

5-fold, mirror-image symmetry; 80 index

$L/W = 1.000$ $T/W = 0.381$ $U/W = 0.362$

$P/W = 0.427$ $C/W = 0.160$

$Vol/W^3 = 0.192$

pc30103.asc

Pavilion

1	43.00°	02-14-18-30-34-46-50-62-66-78
2	42.00°	80-16-32-48-64
G	90.00°	02-14-18-30-34-46-50-62-66-78

Crown

A	59.71°	02-14-18-30-34-46-50-62-66-78
B	52.23°	80-16-32-48-64
C	34.05°	05-11-21-27-37-43-53-59-69-75
D	31.21°	08-24-40-56-72
E	27.26°	04-12-20-28-36-44-52-60-68-76
F	23.64°	80-16-32-48-64
H	17.69°	04-12-20-28-36-44-52-60-68-76
J	9.50°	08-24-40-56-72
T	0.00°	Table

I got the idea for the crown from a recent Chrysler Corporation advertising campaign. Many thanks to Ralph Mathewson for proof-cutting. He reports that the stars are not visible on finished stone.

[download pc30103.asc](http://www.facetdiagrams.org/database/files/pc30103.asc)