



PAVILION

The Maple Leaf

by Al Manestar - North York Faceting Guild
 Crown for stones under 12mm in diameter.
 Cutting sequence revised Dec. 1995

Angles for R.I. = 1.62
 87 facets + 12 facets on girdle = 99
 12-fold, mirror-image symmetry
 96 index
 $L/W = 1.000$ $T/W = 0.596$ $T/L = 0.596$
 $P/W = 0.419$ $C/W = 0.121$
 $H/W = (P+C)/W+0.02 = 0.560$
 $P/H = 0.749$ $C/H = 0.216$
 $Vol./W^3 = 0.225$

Cut facets P10-12-13 by polishing only - VERY carefully!
 Leave facets P4-5-6-7 frosted - do not polish.

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 Jan. 1996

1	45.00	96-08-16-24-32-40-48-56-64-72-80-88	Cut to CP
2	90.00	96-08-16-24-32-40-48-56-64-72-80-88	Establish size
3	44.00	07-09-23-25-39-41-55-57-71-73-87-89	Meet P1-Girdle
4	38.00	08-24-40-56-72-88	Meet P3-P1-P3
5	38.00	42-54	Meet P1-P3-P3-P4
6	35.00	31-33-63-65	Meet P1-P3-P4
7	37.00	47-49	Meet P1-P3-P5
8	29.00	14-82	Meet P1-P4
9	33.50	32-64	Meet P1-P6
10	33.50	30-34-62-66	No meet point
11	36.00	48	Meet P7-P5-P7
12	35.91	46-50	No meet point
13	34.00	96	No M.P. cut to width

CROWN

A	35.00	96-08-16-24-32-40-48-56-64-72-80-88	Cut to level girdle
B	30.00	04-12-20-28-36-44-52-60-68-76-84-92	Meet A-Girdle-A
C	20.00	96-08-16-24-32-40-48-56-64-72-80-88	Meet B-A-B
T	0.00	Table	

This design works best for light to medium color stones.