



NORTH BRISBANE LAPIDARY CLUB 2026

Presidents Challenge OPEN Faceting
 SPECIFIED SIZE 8mm CUBIC ZICONIA
 Ultrabrigiant Square Cushion Eight mains

Angles for R.I. = 2.160

73 + 16 girdles = 89 facets

4-fold, mirror-image symmetry

96 index

$L/W = 1.000$ $T/W = 0.668$ $U/W = 0.668$

$P/W = 0.497$ $C/W = 0.096$

$Vol./W^3 = 0.263$

PAVILION

1	42.00°	03-09-15-21- 27-33-39-45- 51-57-63-69- 75-81-87-93	Cut to TCP
2	90.00°	01-23-25-47- 49-71-73-95	Establish stone width and meet P1
3	90.00°	05-19-29-43- 53-67-77-91	Meet P1
4	73.86°	05-19-29-43- 53-67-77-91	Level girdle meet point at corners
5	74.65°	01-23-25-47- 49-71-73-95	Level girdle meet P4 and P1
6	40.00°	96-12-24-36- 48-60-72-84	Meet P1 and P5; cut to PCP

CROWN

A	32.45°	01-23-25-47- 49-71-73-95	Establish girdle thickness and level girdle
B	32.50°	05-19-29-43- 53-67-77-91	Level girdle; meet A
C	30.00°	96-24-48-72	Meet point A and Girdle
D	20.81°	12-36-60-84	Meet Girdle A, B and C
E	11.45°	06-18-30-42- 54-66-78-90	Meet A, B, C and D
F	0.00°	Table	Meet D and E