



Kozibe Dome

Shifter55 -
 Angles for R.I. = 1.540
 66 + 16 girdles = 82 facets
 8-fold mirror-image symmetry
 96 index
 $L/W = 1.000$
 $P/W = 0.421$ $C/W = 0.249$
 $Vol./W^3 = 0.288$

Pavilion

P1	42.90	06-18-30-42-54-66-78-90	Cut to CTP
P2	0.00	Culet	Cut to around 5% of P1 length
G1	90.00	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Define girdle
P3	46.04	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut to meet P1,G1

Crown

C1	62.00	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Level girdle
C2	54.14	06-18-30-42-54-66-78-90	Meet G1,C1
C3	37.74	06-18-30-42-54-66-78-90	Meet C1, Horizontal split
C4	27.05	96-12-24-36-48-60-72-84	Meet C1,C2,C3
T	0.00	Table	Meet C4,C3

This was designed to produce a circle of culet reflections centered on the star facet meets when tilted. In RIs higher than 1.76 the dark star facet reflections start to disappear, but the Kozibe effect is greatly enhanced.