GEMSTONE DIAGRAM
Design by Larry Mattos

LAVENDER QUARTZ – Compass Cut

96 index gear • 16.00 mm • 13.9 cts

All polishing is done with Cerium Oxide.

PAVILION

P1	42.00°	3-9-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut to a center point
P2(G)	90.00°	Cut girdle same as P1	
P3	40.00°	6-18-30-42-54-66-78-90	Cut from the center point 3/4 of pavilion
P4	45.00°	Using 45° block reinstall dop; grind and polish tip of pavilion (stone diameter ÷ 3.38). Finish level 3/4 mm before star facets.	

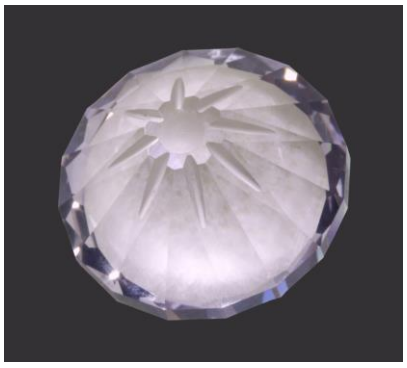
PAVILION - CONCAVE

CC1	4mm Ball Tool	Using ball tool with 1,200 Diamond Paste, grind an indentation in center of pavilion tip (P3) (any depth). Do not polish.
CC2	Slice Tool	Center slice tool on P1 facets (motor at 90°). Do not polish.
		The slices are centered in the main facets and cut into the flat bottom of the pavilion, but stop before they reach the center dimple.

CROWN

C1	42.00°	3-9-15-21-27-33-39-45-51-57-63-69-75-81-87-93
C2	35.00°	6-12-18-24-30-36-42-48-54-60-66-72-78-84-90-96
TABLE	00.00°	Cut table 3/4 width of stone – or when table is cut C1 and C2 should be the same length.

This cut is a modified round brilliant. On the pavilion, the break facets (P1) go all the way to the culet. The mains (P2) stop before they reach the girdle. The slices are centered in the mains and go into the flat bottom of the pavilion but stop before they touch the dimple.



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