Opposite Azimuth

ⓘ This parameter is applicable only to Round brilliant cut.

Opposite Azimuth is the deviation of azimuth difference between the opposite facets from the ideal value (180°).

Azimuth vectors of all bezel facets and pavilion facets are calculated. Azimuths of the opposite facets are considered, and the difference between them is compared to 180°. This produces the following values:

* Opposite Azimuth (crown to crown): 4 values.
* Opposite Azimuth (pavilion to pavilion): 4 values.
* Opposite Azimuth (crown to pavilion): 8 values.

Opposite Azimuth (symmetry) appearing on the MyAppraiser panel is defined as the maximum of these measurements. As all symmetry parameters, it is an estimate of a deviation from perfect symmetry, and should be zero for an ideal stone.

Reporting

The reported values of Opposite Azimuth include: 4 independent measurements for crown facets, 4 for pavilion facets, 8 of those measured between the crown and pavilion facets, summary parameters (Avg, Min, Max, Dev) for each of these subsets, and the overall maximum.

Reported in	Section	Values	Units	Bookmarks
Full Report for Brilliant	Main Parameters	Avg, Min, Max, Dev (crown to crown)	°	`CRN_OPPOSITE_AZIMUTH_AVG, CRN_OPPOSITE_AZIMUTH_MIN, CRN_OPPOSITE_AZIMUTH_MAX, CRN_OPPOSITE_AZIMUTH_DEV`
		Avg, Min, Max, Dev (pavilion to pavilion)	°	`PAV_OPPOSITE_AZIMUTH_AVG, PAV_OPPOSITE_AZIMUTH_MIN, PAV_OPPOSITE_AZIMUTH_MAX, PAV_OPPOSITE_AZIMUTH_DEV`
		Avg, Min, Max, Dev (crown to pavilion)	°	`PAV_CRN_OPPOSITE_AZIMUTH_AVG, PAV_CRN_OPPOSITE_AZIMUTH_MIN, PAV_CRN_OPPOSITE_AZIMUTH_MAX, PAV_CRN_OPPOSITE_AZIMUTH_DEV`
		Overall maximum	°	`OPPOSITE_AZIMUTH_SYM_DEG`
	Detailed Parameters	All 4 values (crown to crown)	°	`CRN_OPPOSITE_AZIMUTH_1, ..., CRN_OPPOSITE_AZIMUTH_4`
		All 4 values (pavilion to pavilion)	°	`PAV_OPPOSITE_AZIMUTH_1, ..., PAV_OPPOSITE_AZIMUTH_4`
		All 8 values (crown to pavilion)	°	`PAV_CRN_OPPOSITE_AZIMUTH_1, ..., PAV_CRN_OPPOSITE_AZIMUTH_8`