
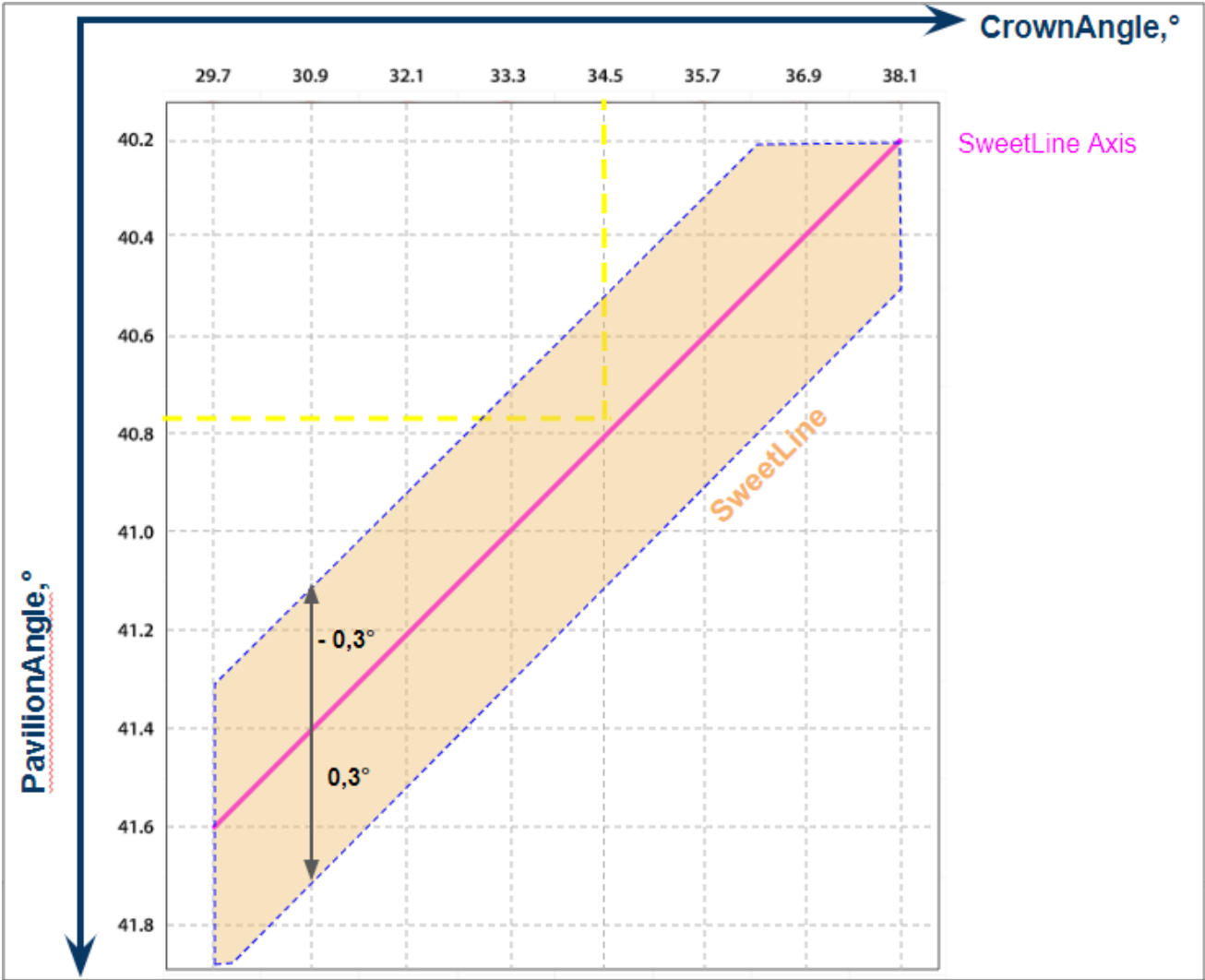


# SweetLine

 This parameter is applicable to the following cuts: Round Brilliant, Oval.

The *SweetLine* is a special parameter used for introducing combined limitations on [CrownAngle](#) and [PavilionAngle](#). To achieve better optical performance (light return, fire, etc), CrownAngle and PavilionAngle should preferably fall within a certain area which can't be adequately modeled by setting independent bounds on these two parameters. SweetLine is intended to address this issue.



Calculation

**SweetLine, °** = **PavilionAngle, °** - **PavilionAngle, ° (OL)**

Where:

- **PavilionAngle, °** - Avg (average) value for the model is used
- **PavilionAngle, ° (OL)** is PavilionAngle, ° of the point on the **SweetLine Axis**, that has the same CrownAngle, °
- **CrownAngle, °** - Avg (average) value for the model is used
- **SweetLine Axis** is the line with negative slope 1:6 passing through the point with CrownAngle = 34.5 and PavilionAngle = 40.75
- *Negative slope 1:6* means "each 6° increase of CrownAnge is 1° decrease of PavilionAngle"

Usage and Examples

For a detailed description of how the SweetLine parameter can be used for getting optimal solutions, see [Using SweetLine](#) page.

Reporting

Reported in	Section	Values	Units	Bookmarks	Name in Reports
None	NA	Single value	°	NA	NA

Visualization in Appraisers

Value	Units	Bookmark	Tab	Parameter Name	Comment
Single value	°	NA	Cut	SweetLine	