

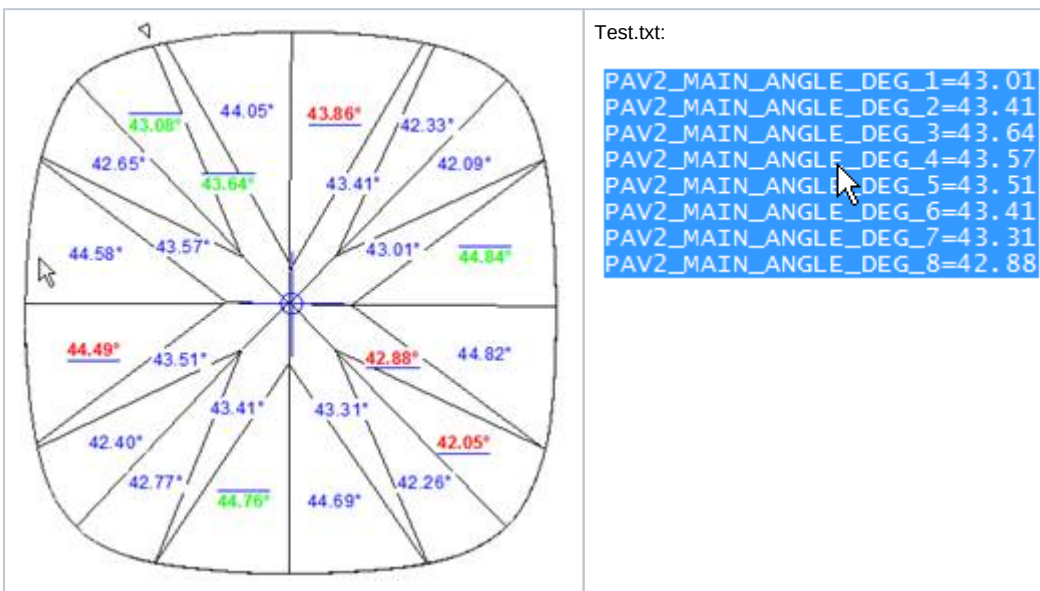
2016.01.12 - Helium Polish version 5.6.83.1, report.dll version 2.7.10.1, report templates dd 15.12.2015

Release contains:

File	Version
HeliimPolish.exe	5.6.83.1
report.dll	2.7.10.1
Reports templates	2015-12-15

In this version we made following changes:

1. All values of Pavilion Main Angles for cushions are added in report:



2. New parameters of corner angle width, corner angle length, Girdler side corner for Emeralds and Radiants by crown border and pavilion border:

Parameter		Avg	Min	Max	Dev
Corner angle width (pavilion)	mm	0.602	0.555	0.664	0.109
Corner angle width (pavilion)	%	15.11	13.93	16.68	2.75
Corner angle length (pavilion)	mm	0.602	0.564	0.623	0.059
Corner angle length (pavilion)	%	15.12	14.15	15.63	1.48
Corner angle width (crown)	mm	0.607	0.569	0.658	0.089
Corner angle width (crown)	%	15.25	14.29	16.51	2.23
Corner angle length (crown)	mm	0.608	0.578	0.639	0.061
Corner angle length (crown)	%	15.26	14.51	16.05	1.54

Girdle parameters		1	2	3	4
Girdle side width	%	67.45	70.79		
Girdle side width	mm	2.687	2.820		
Girdle side width (pavilion)	%	70.77	67.29		
Girdle side width (pavilion)	mm	2.819	2.680		
Girdle side width (crown)	%	70.79	67.45		
Girdle side width (crown)	mm	2.820	2.687		
Girdle side length	%	116.98	117.64		
Girdle side length	mm	4.660	4.686		
Girdle side length (pavilion)	%	116.91	117.70		
Girdle side length (pavilion)	mm	4.657	4.688		
Girdle side length (crown)	%	116.98	116.78		
Girdle side length (crown)	mm	4.660	4.652		
Girdle side corner	%	21.23	20.41	22.30	22.81
Girdle side corner	mm	0.846	0.813	0.888	0.909
Girdle side corner (pavilion)	%	21.23	19.86	21.63	22.81
Girdle side corner (pavilion)	mm	0.846	0.791	0.861	0.909
Girdle side corner (crown)	%	21.15	20.36	22.21	22.59
Girdle side corner (crown)	mm	0.843	0.811	0.885	0.900

3. New bookmarks which are added to templates Full_report_for_square_radiant.rtf, Full_report_for_radiant.rtf, Full_report_for_step_cuts.rtf:

WIDTH		LENGTH	
CRN_CORNER_ANGLE_WIDTH_M M_AVG CRN_CORNER_ANGLE_WIDTH_M M_MIN CRN_CORNER_ANGLE_WIDTH_M M_MAX CRN_CORNER_ANGLE_WIDTH_M M_DEV CRN_CORNER_ANGLE_WIDTH_M M_1..4	CRN_CORNER_ANGLE_WIDTH_P C_AVG CRN_CORNER_ANGLE_WIDTH_P C_MIN CRN_CORNER_ANGLE_WIDTH_P C_MAX CRN_CORNER_ANGLE_WIDTH_P C_DEV CRN_CORNER_ANGLE_WIDTH_P C_1..4	CRN_CORNER_ANGLE_LENGTH_M M_AVG CRN_CORNER_ANGLE_LENGTH_M M_MIN CRN_CORNER_ANGLE_LENGTH_M M_MAX CRN_CORNER_ANGLE_LENGTH_M M_DEV CRN_CORNER_ANGLE_LENGTH_M M_1..4	CRN_CORNER_ANGLE_LENGTH_P C_AVG CRN_CORNER_ANGLE_LENGTH_P C_MIN CRN_CORNER_ANGLE_LENGTH_P C_MAX CRN_CORNER_ANGLE_LENGTH_P C_DEV CRN_CORNER_ANGLE_LENGTH_P C_1..4
PAV_CORNER_ANGLE_WIDTH_M M_AVG PAV_CORNER_ANGLE_WIDTH_M M_MIN PAV_CORNER_ANGLE_WIDTH_M M_MAX PAV_CORNER_ANGLE_WIDTH_M M_DEV PAV_CORNER_ANGLE_WIDTH_M M_1..4	PAV_CORNER_ANGLE_WIDTH_P C_AVG PAV_CORNER_ANGLE_WIDTH_P C_MIN PAV_CORNER_ANGLE_WIDTH_P C_MAX PAV_CORNER_ANGLE_WIDTH_P C_DEV PAV_CORNER_ANGLE_WIDTH_P C_1..4	PAV_CORNER_ANGLE_LENGTH_M M_AVG PAV_CORNER_ANGLE_LENGTH_M M_MIN PAV_CORNER_ANGLE_LENGTH_M M_MAX PAV_CORNER_ANGLE_LENGTH_M M_DEV PAV_CORNER_ANGLE_LENGTH_M M_1..4	PAV_CORNER_ANGLE_LENGTH_P C_AVG PAV_CORNER_ANGLE_LENGTH_P C_MIN PAV_CORNER_ANGLE_LENGTH_P C_MAX PAV_CORNER_ANGLE_LENGTH_P C_DEV PAV_CORNER_ANGLE_LENGTH_P C_1..4
CRN_GIRDLE_SIDE_WIDTH_MM_A VG CRN_GIRDLE_SIDE_WIDTH_MM_ MIN CRN_GIRDLE_SIDE_WIDTH_MM_ MAX CRN_GIRDLE_SIDE_WIDTH_MM_D EV CRN_GIRDLE_SIDE_WIDTH_MM_1 ..2	CRN_GIRDLE_SIDE_WIDTH_PC_A VG CRN_GIRDLE_SIDE_WIDTH_PC_ MIN CRN_GIRDLE_SIDE_WIDTH_PC_ MAX CRN_GIRDLE_SIDE_WIDTH_PC_D EV CRN_GIRDLE_SIDE_WIDTH_PC_1 ..2	CRN_GIRDLE_SIDE_LENGTH_MM_ AVG CRN_GIRDLE_SIDE_LENGTH_MM_ MIN CRN_GIRDLE_SIDE_LENGTH_MM_ MAX CRN_GIRDLE_SIDE_LENGTH_MM_ DEV CRN_GIRDLE_SIDE_LENGTH_MM_1 ..2	CRN_GIRDLE_SIDE_LENGTH_PC_A VG CRN_GIRDLE_SIDE_LENGTH_PC_ MIN CRN_GIRDLE_SIDE_LENGTH_PC_ MAX CRN_GIRDLE_SIDE_LENGTH_PC_ DEV CRN_GIRDLE_SIDE_LENGTH_PC_1 ..2
PAV_GIRDLE_SIDE_WIDTH_MM_A VG PAV_GIRDLE_SIDE_WIDTH_MM_M IN PAV_GIRDLE_SIDE_WIDTH_MM_M AX PAV_GIRDLE_SIDE_WIDTH_MM_D EV PAV_GIRDLE_SIDE_WIDTH_MM_1 ..2	PAV_GIRDLE_SIDE_WIDTH_PC_A VG PAV_GIRDLE_SIDE_WIDTH_PC_M IN PAV_GIRDLE_SIDE_WIDTH_PC_M AX PAV_GIRDLE_SIDE_WIDTH_PC_D EV PAV_GIRDLE_SIDE_WIDTH_PC_1 ..2	PAV_GIRDLE_SIDE_LENGTH_MM_A VG PAV_GIRDLE_SIDE_LENGTH_MM_ MIN PAV_GIRDLE_SIDE_LENGTH_MM_ MAX PAV_GIRDLE_SIDE_LENGTH_MM_D EV PAV_GIRDLE_SIDE_LENGTH_MM_1 ..2	PAV_GIRDLE_SIDE_LENGTH_PC_A VG PAV_GIRDLE_SIDE_LENGTH_PC_ MIN PAV_GIRDLE_SIDE_LENGTH_PC_ MAX PAV_GIRDLE_SIDE_LENGTH_PC_D EV PAV_GIRDLE_SIDE_LENGTH_PC_1 ..2
CRN_GIRDLE_SIDE_CORNER_MM _AVG CRN_GIRDLE_SIDE_CORNER_MM _MIN CRN_GIRDLE_SIDE_CORNER_MM _MAX CRN_GIRDLE_SIDE_CORNER_MM _DEV CRN_GIRDLE_SIDE_CORNER_MM _1..4	CRN_GIRDLE_SIDE_CORNER_PC _AVG CRN_GIRDLE_SIDE_CORNER_PC _MIN CRN_GIRDLE_SIDE_CORNER_PC _MAX CRN_GIRDLE_SIDE_CORNER_PC _DEV CRN_GIRDLE_SIDE_CORNER_PC _1..4		
PAV_GIRDLE_SIDE_CORNER_MM _AVG PAV_GIRDLE_SIDE_CORNER_MM _MIN PAV_GIRDLE_SIDE_CORNER_MM _MAX PAV_GIRDLE_SIDE_CORNER_MM _DEV PAV_GIRDLE_SIDE_CORNER_MM _1..4	PAV_GIRDLE_SIDE_CORNER_PC _AVG PAV_GIRDLE_SIDE_CORNER_PC _MIN PAV_GIRDLE_SIDE_CORNER_PC _MAX PAV_GIRDLE_SIDE_CORNER_PC _DEV PAV_GIRDLE_SIDE_CORNER_PC _1..4		

4. New parameters and bookmarks are added in reports:

- Following parameters are added to Full_report_for_brilliant.rtf (which were presented early in Appraiser Editor HPO panel (Cut and Symmetry Tabs) but absent in Polish Reports):
 - Opposite Azimuth (°)** (OppositeAzimuth in Appraiser Editor HPO panel):
OPPOSITE_AZIMUTH_SYM_DEG
 - Main Crown Facets Azimuth Symm (°)** (MainCrownFacetsAzimuthSymm in Appraiser Editor HPO panel):
MAIN_CRN_FACET_AZIMUTH_SYM_DEG
 - Main Pavilion Facets Azimuth Symm (°)** (MainPavilionFacetsAzimuthSymm in Appraiser Editor HPO panel):
MAIN_PAV_FACET_AZIMUTH_SYM_DEG
 - Star Facets Azimuth Symm (°)** (StarFacetsAzimuthSymm in Appraiser Editor HPO panel):
STAR_FACET_AZIMUTH_SYM_DEG1

In previous version last 3 parameters were divided in 2 groups, since this version we added parameters exactly like in HPO –

these are MAX value from values of both groups of each parameter.

- v. **Opposite Slope Sum (°)** (OppositeSlopeSum in Appraiser Editor HPO panel):
OPPOSITE_SLOP_SUM

Parameter		Avg	Min	Max	Dev	Cut	Sym
Main Crown Facets Azimuth Symm	°	5.5					
Main Crown Facets Azimuth Symm 1	°	3.6					
Main Crown Facets Azimuth Symm 2	°	5.5					
Main Pavilion Facets Azimuth	°	1.6					
Main Pavilion Facets Azimuth Symm 1	°	1.6					
Main Pavilion Facets Azimuth Symm 2	°	1.6					
Star Facets Azimuth Symm	°	3.5					
Star Facets Azimuth Symm 1	°	3.5					
Star Facets Azimuth Symm 2	°	3.3					
Girdle height Bezel local Deviation	%	0.35	0.10	0.90	0.81		
Girdle height Bone local Deviation	%	0.38	0.07	0.71	0.64		
Girdle height Valley local Deviation	%	0.20	0.01	0.58	0.57		
Star Facet Twist Symmetry	°	-0.4	-1.8	0.8	2.6		
Opposite Azimuth	°	3.6					
Opposite Azimuth Pavilion	°	0.8	0.0	1.6	1.5		
Opposite Azimuth Crown	°	1.7	0.4	3.6	3.2		
Opposite Azimuth Crown-Pavilion	°	1.0	0.1	2.3	2.2		
Opposite Slope Sum	°	1.24					
Opposite Slope Sum Pavilion	°	81.2	81.0	81.6	0.6		
Opposite Slope Sum Crown	°	64.4	63.6	64.8	1.2		

5. Heart, pear and triangle cuts recognition are improved.