

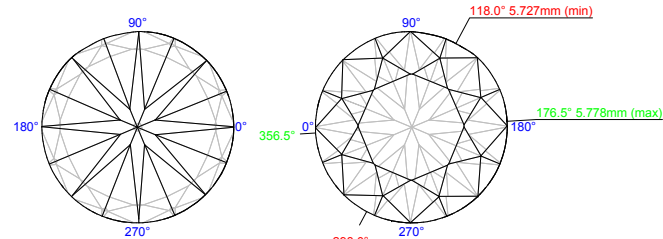
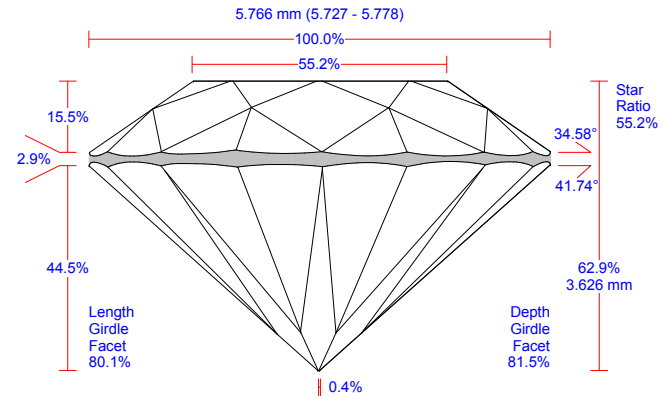
# ILLUSTRATED REPORT FOR BRILLIANT

Polished Brilliant

Model: st2  
 Expert name: Makoed A.G.  
 Report date: 10.12.2007  
 Real weight, ct:  
 Calculated weight, ct: 0.73, 0.7288  
 Measurements: 5.766 (5.727-5.778) x 3.626 /0.002 mm  
 Spread: -0.02 ct, -2.86%  
 AGS Spread: -0.02 ct, -3.16%

## Average values, mm

Diam	Total height	Crown height	Pav. depth	Table	Culet	Girdle		
						Bezel	Bone	Valley
5.766	3.626	0.892	2.566	3.184	0.023	0.168	0.188	0.084



Appraiser title: GIA\_PCTG\_StarCul  
 Overall cut quality: E  
 Symmetry appraiser title: Internal  
 Overall symmetry quality: VG

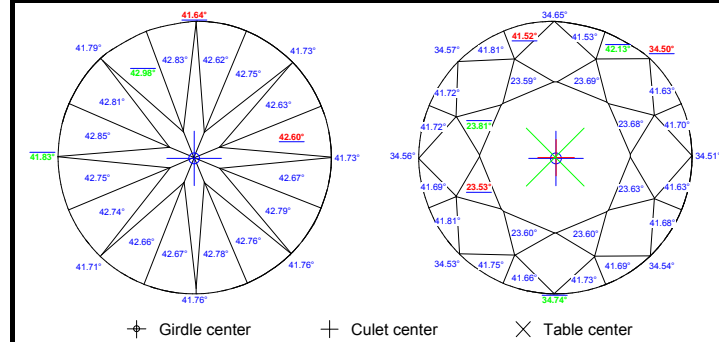
Color	
Clarity	
Polish	
Fluorescence	

Parameter	Avg	Min	Max	Dev	Cut	Sym
Diameter, mm	5.766	5.727	5.778	0.90%	E	VG
Crown angle, °	34.58	34.50	34.74	0.24	Grading	EX
Pavilion angle, °	41.74	41.64	41.83	0.19	Grading	EX
Total height, %	62.90				E	
Crown height, %	15.47	15.35	15.63	0.29	E	EX
Pavilion depth, %	44.50	44.30	44.70	0.40	N/A	EX
Table, %	55.23	55.07	55.41	0.34	Grading	EX
Culet, %	0.39	0.29	0.44	0.15	E	EX
Girdle Bezel, %	2.91	2.71	3.25	0.55	E	EX
Girdle Bone, %	3.25	3.00	3.69	0.70	E	EX
Girdle Valley, %	1.45	1.21	2.41	1.20	E	VG
Star: Upper ratio, %	55.19: 44.81	54.13: 45.87	56.46: 43.54	2.33	E	VG
Star angle, °	23.64	23.53	23.81	0.28		EX
Upper girdle angle, °	41.71	41.52	42.13	0.61		EX
Length girdle facet, %	80.05	78.74	80.98	2.24	E	EX
Lower girdle angle / Halves angle, °	42.74	42.60	42.98	0.39		EX
Twist, °	0.28	0.02	0.52	0.50		EX
Crown height, mm	0.892	0.885	0.901	0.017	E	EX
Pavilion depth, mm	2.566	2.554	2.577	0.023	N/A	EX
Table, mm	3.184	3.175	3.195	0.019	Grading	EX
Culet, mm	0.023	0.017	0.025	0.009	E	EX
Girdle Bezel, mm	0.168	0.156	0.188	0.031	E	EX
Girdle Bone, mm	0.188	0.173	0.213	0.040		EX
Girdle Valley, mm	0.084	0.069	0.139	0.069	E	VG

Measurement as per OctoNus theory:

Crown angle, °	34.58	34.51	34.70	0.18		
Pavilion angle, °	41.74	41.70	41.78	0.08		
Fish eye effect, °			13.06		N/A	
Culet through Crown Bezel, °			7.38		N/A	

Parameter, °	1	2	3	4	5	6	7	8
Pav. azimuths dev. from ideal	0.00	-0.12	0.33	-0.26	0.38	0.43	-0.01	-0.13
Crown azimuths dev. from ideal	0.24	-0.04	-0.11	-0.28	0.03	0.33	0.50	0.39
Crown painting	-0.47	-0.05	-0.10	-0.18	-0.62	1.33	-1.00	-0.05
Pavilion painting	-1.28	-0.61	-1.43	0.22	-0.51	1.89	-1.59	0.28
	-1.63	-1.06	-0.08	-1.95	0.16	-0.91	-0.05	-1.13



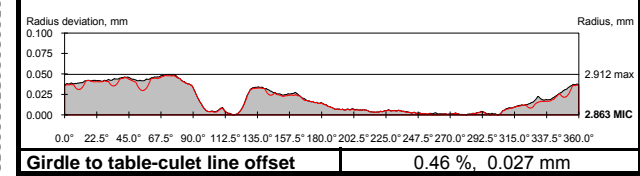
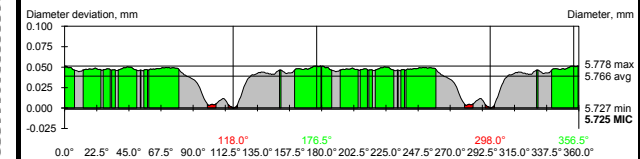
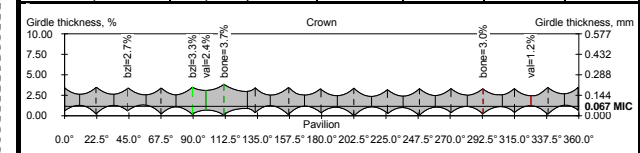
Offset by table axis

Girdle-Culet	0.29 ± 0.22, %	0.017 ± 0.013, mm
Girdle-Table	0.55 ± 0.20, %	0.032 ± 0.011, mm
Table-Culet	0.37 ± 0.24, %	0.022 ± 0.014, mm

1	2	3	4	5	6	7	8
5.777	5.776	5.761	5.769				
34.56	34.57	34.65	34.50	34.51	34.54	34.74	34.53
41.73	41.73	41.64	41.79	41.83	41.71	41.76	41.76
15.35	15.44	15.35	15.41	15.55	15.63	15.51	15.51
44.70	44.69	44.30	44.48	44.46	44.38	44.48	44.50
55.28	55.07	55.41	55.14				
2.80	2.71	3.25	3.00	2.86	2.84	2.90	2.89
3.21	3.11	3.69	3.24	3.35	3.22	3.00	3.20
1.34	1.34	1.21	1.45	2.41	2.05	1.28	1.33
1.40	1.27	1.39	1.39	1.37	1.41	1.21	1.38
55.16: 44.84	54.73: 45.27	55.13: 44.87	55.91: 44.09	56.46: 43.54	54.46: 45.54	54.13: 45.87	55.56: 44.44
23.81	23.59	23.69	23.68	23.63	23.60	23.60	23.53
41.72	41.72	41.81	41.52	41.53	42.13	41.63	41.70
41.63	41.68	41.69	41.73	41.66	41.75	41.81	41.69
80.17	79.92	80.06	79.84	78.74	79.75	80.50	80.75
80.48	80.98	80.07	80.45	80.44	79.70	79.60	79.41
42.60	42.63	42.75	42.62	42.83	42.98	42.81	42.85
42.75	42.74	42.66	42.67	42.78	42.76	42.79	42.67
0.24	0.08	0.44	0.02	0.35	0.10	0.51	0.52
0.885	0.890	0.885	0.889	0.897	0.901	0.894	0.894
2.577	2.577	2.554	2.564	2.563	2.559	2.565	2.566
3.187	3.175	3.195	3.179				
0.161	0.156	0.188	0.173	0.165	0.164	0.167	0.166
0.185	0.179	0.213	0.187	0.193	0.186	0.173	0.185
0.077	0.077	0.070	0.083	0.139	0.118	0.074	0.077
0.081	0.073	0.080	0.080	0.079	0.082	0.069	0.080

34.53	34.56	34.70	34.51				
41.78	41.72	41.70	41.77				
Extra Facet / Nat	No						
Girdle to MIC, mm	0.002						

Paint / Dug	Avg	Type	Sym	Dev	Sym
Crown, °	-0.11		EX	1.33	EX
Crown, notch	0.0, Negligible			0.4	
Pavilion, °	-0.60	Painting	EX	-1.95	EX
Pavilion, notch	0.2, Very small			0.5	



Girdle to table-culet line offset	0.46 %, 0.027 mm
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