

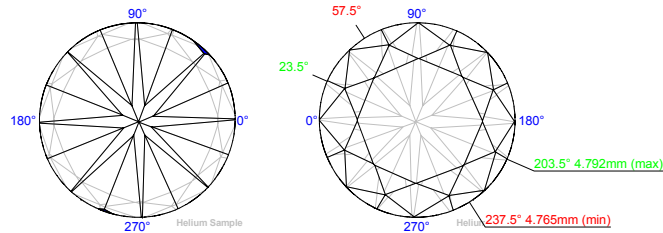
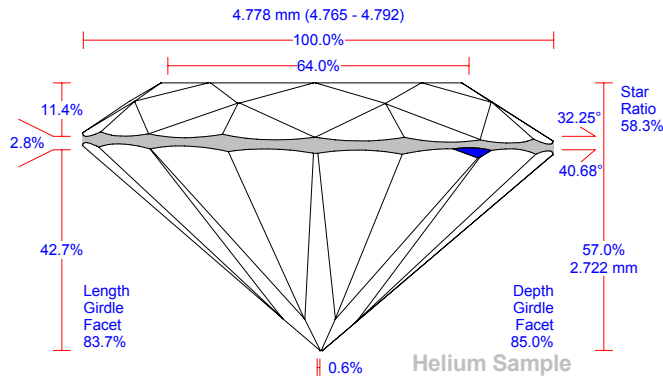
# DIAMCALC ILLUSTRATED REPORT

Polished Brilliant

Model Sample Helium Brilliant  
 Expert name Sample Expert Name  
 Report date 06.09.2006  
 Real weight, ct 0.37  
 Calculated weight, ct 0.37, 0.3764  
 Measurements, mm 4.778 (4.765-4.792) x 2.722 /0.019  
 Spread 0.03 ct, 8.44%

## Average values, mm

Total height	Crown height	Pavilion depth	Table	Culet	Girdle		
					Bezel	Bone	Valley
2.722	0.544	2.041	3.059	0.027	0.136	0.158	0.074



Appraiser title AGS\_2005  
 Overall cut quality 3  
 Overall symmetry quality PR

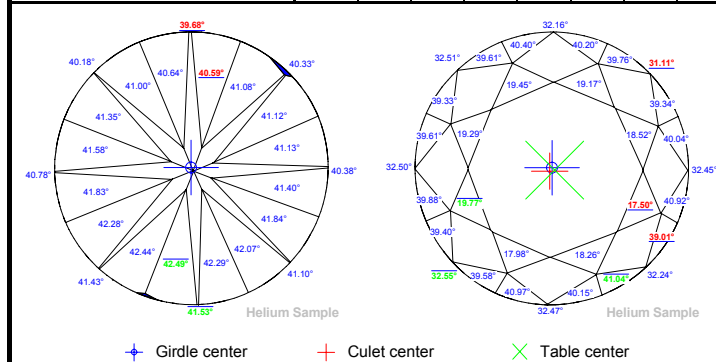
Symmetry	Polish	Color	Clarity	Fluorescence

Parameter	Avg	Min	Max	Dev	Cut	Sym
Diameter, mm	4.778	4.765	4.792	0.57%	N/A	EX
Crown angle, °	32.25	31.11	32.55	1.44	N/A	VG
Pavilion angle, °	40.68	39.68	41.53	1.86	N/A	VG
Total height, %	56.96				N/A	-
Crown height, %	11.38	10.61	12.35	1.75	N/A	VG
Pavilion depth, %	42.72	41.72	43.77	2.05	N/A	GD
Table, %	64.03	63.82	64.12	0.29	N/A	EX
Culet, %	0.57	0.39	0.68	0.28	0	EX
Girdle Bezel, %	2.84	2.41	3.40	0.98	0	EX
Girdle Bone, %	3.31	3.02	3.71	0.69	-	EX
Girdle Valley, %	1.55	1.22	1.98	0.75	0	EX
Star: Upper ratio, %	58.29: 41.71	53.81: 46.19	62.79: 37.21	8.98	-	-
Star angle, °	18.74	17.50	19.77	2.27		GD
Upper girdle angle, °	39.95	39.01	41.04	2.03	-	GD
Lower girdle angle / Halves angle, °	41.57	40.59	42.49	1.90	-	VG
Twist, °	1.49	0.17	3.62	3.45	-	VG
Crown height, mm	0.544	0.507	0.590	0.083	-	-
Pavilion depth, mm	2.041	1.993	2.091	0.098	-	-
Table, mm	3.059	3.050	3.064	0.014	-	-
Culet, mm	0.027	0.019	0.032	0.014	-	-
Girdle Bezel, mm	0.136	0.115	0.162	0.047	-	-
Girdle Bone, mm	0.158	0.144	0.177	0.033	-	-
Girdle Valley, mm	0.074	0.058	0.094	0.036	-	-

## Measurement as per OctoNus theory:

Crown angle, °	32.25	31.83	32.48	0.65	-	-
Pavilion angle, °	40.68	40.58	40.88	0.30	-	-
Fish eye effect, °			3.62		N/A	-
Culet through Crown Bezel, °			25.18		N/A	-

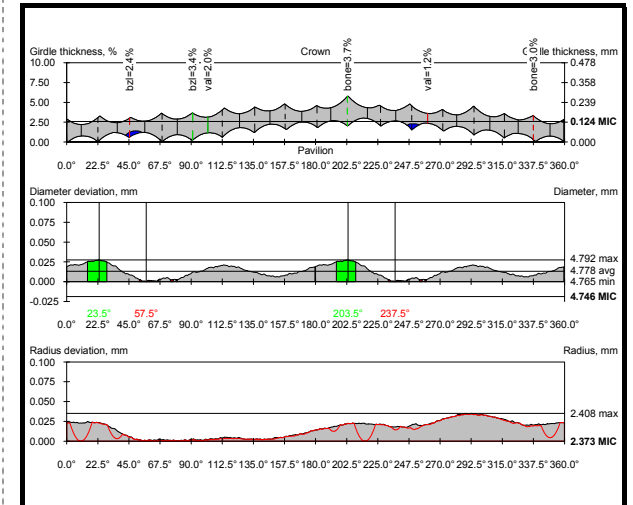
Parameter, °	1	2	3	4	5	6	7	8
Pav. azimuths deviation from ideal	0.00	0.55	0.58	2.11	1.66	0.72	0.62	0.04
Crown azimuths deviation from ideal	0.40	1.17	0.00	-0.09	-1.96	1.63	0.45	3.48
Crown painting	-1.40	-1.47	-2.12	-0.51	-1.20	-1.17	-0.84	-2.94
Pavilion painting	0.21	-1.92	-1.49	-0.59	0.92	-0.04	0.09	-0.36
	0.11	-1.25	0.96	-0.40	-0.07	-0.69	0.19	-0.19



	Offset by table axis	
Girdle-Culet	1.50 ± 0.26, %	0.072 ± 0.012, mm
Girdle-Table	1.28 ± 0.23, %	0.061 ± 0.011, mm
Table-Culet	1.82 ± 0.27, %	0.087 ± 0.013, mm

1	2	3	4	5	6	7	8
4.785	4.774	4.777	4.777				
32.50	32.51	32.16	31.11	32.45	32.24	32.47	32.55
40.38	40.33	39.68	40.18	40.78	41.43	41.53	41.10
12.35	12.15	11.58	10.84	10.67	10.61	11.15	11.66
41.72	42.30	41.99	42.92	43.60	43.77	43.17	42.28
64.06	64.11	64.12	63.82				
2.87	2.41	3.40	3.16	2.71	2.50	2.62	3.06
3.04	3.55	3.45	3.08	3.71	3.04	3.60	3.02
1.43	1.25	1.41	1.96	1.98	1.75	1.68	1.35
1.64	1.33	1.31	1.22	1.42	1.73	1.71	1.55
54.81: 45.19	58.07: 41.93	60.72: 39.28	58.81: 41.19	62.79: 37.21	59.87: 40.13	57.44: 42.56	53.81: 46.19
19.29	19.45	19.17	18.52	17.50	18.26	17.98	19.77
39.61	39.33	39.61	40.40	40.20	39.76	39.34	40.04
40.92	39.01	41.04	40.15	40.97	39.58	39.40	39.88
41.13	41.12	41.08	40.59	40.64	41.00	41.35	41.58
41.83	42.28	42.44	42.49	42.29	42.07	41.84	41.40
0.40	0.61	0.58	2.20	3.62	0.91	0.17	3.44
0.590	0.581	0.553	0.518	0.510	0.507	0.533	0.557
1.993	2.021	2.006	2.051	2.083	2.091	2.063	2.020
3.061	3.063	3.064	3.050				
0.137	0.115	0.162	0.151	0.129	0.120	0.125	0.146
0.145	0.170	0.165	0.147	0.177	0.145	0.172	0.144
0.069	0.060	0.067	0.094	0.094	0.084	0.080	0.064
0.078	0.064	0.062	0.058	0.068	0.083	0.082	0.074

32.48	32.38	32.31	31.83				
40.58	40.88	40.60	40.64				
Extra Facet / Nat			Yes (2)				
Girdle to MIC, mm			0.019				



Paint / Dug	Avg	Max	Type
Crown, °	-1.59	-4.13	Painting
Crown, notches	0.4, Small	1.1	
Pavilion, °	-0.28	-1.92	
Pavilion, notches	0.1, Absent	0.5	