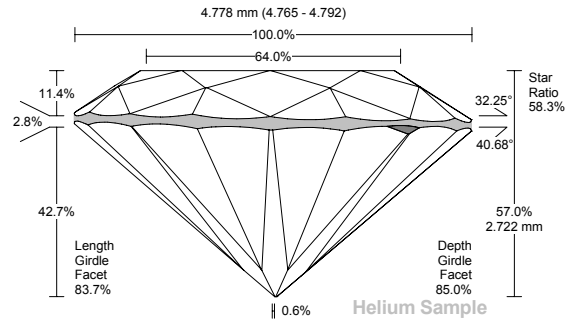


# DIAMCALC 8-FACETS REPORT

# Polished Brilliant

## General information

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  
 Total height 2.722 mm, 56.96 %  
 Total height quality N/A  
 Appraiser title AGS\_2005  
 Overall cut quality 3  
 Overall symmetry quality PR



## Main parameters

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

## Detailed parameters

Parameter		1	2	3	4	5	6	7	8
Diameter	mm	4.785	4.774	4.777	4.777				
Crown angle	°	32.50	32.51	32.16	31.11	32.45	32.24	32.47	32.55
Crown height	%	12.35	12.15	11.58	10.84	10.67	10.61	11.15	11.66
Crown height	mm	0.590	0.581	0.553	0.518	0.510	0.507	0.533	0.557
Crown azimuth	°	0.4	46.2	90.0	134.9	178.0	226.6	270.4	318.5
Pavilion angle	°	40.38	40.33	39.68	40.18	40.78	41.43	41.53	41.10
Pavilion depth	%	41.72	42.30	41.99	42.92	43.60	43.77	43.17	42.28
Pavilion depth	mm	1.993	2.021	2.006	2.051	2.083	2.091	2.063	2.020
Pavilion azimuth	°	0.0	45.6	90.6	137.1	181.7	225.7	270.6	315.0
Lower girdle facets angle	°	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
Upper girdle facets angle	°	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
Star facets angle	°	19.29	19.45	19.17	18.52	17.50	18.26	17.98	19.77
Star : Upper ratio	%	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
Table	%	64.06	64.11	64.12	63.82				
Table	mm	3.061	3.063	3.064	3.050				
Twist	°	0.40	0.61	0.58	2.20	3.62	0.91	0.17	3.44
Girdle Bezel	%	2.87	2.41	3.40	3.16	2.71	2.50	2.62	3.06
Girdle Bone	%	3.04	3.55	3.45	3.08	3.71	3.04	3.60	3.02
Girdle Valley	%	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
Girdle Bezel	mm	0.137	0.115	0.162	0.151	0.129	0.120	0.125	0.146
Girdle Bone	mm	0.145	0.170	0.165	0.147	0.177	0.145	0.172	0.144
Girdle Valley	mm	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