













Virtual 3D reconstruction of the "la Porte de Landelies" based on photogrammetry







































UNIVERSITE GENT 1. Acquisit (with	ion of the Terrest phase-based Leic	Department of Geograp rial laser scanning ca HDS 6100)
Lase	er Scanner System	
Туре	Phase-based	
Sys	tem Performance	
Accuracy of single measurement		
Position *	5 mm, 1 m to 25 m range;	
	9 mm to 50 m range	
Angle (horizontal and vertical)	125 µrad/125 µrad, one sigma	the state of the s
Pango	79 m ambiguity interval	
Kange	79 m @90%; 50 m @18% albedo	
Scan rate	Up to 508,000 points/sec, maximum instantaneous rate	
Scan resolution		
Spot size	3 mm at exit (based on Gaussian definition) + 0.22 mrad divergence;	







4. Color normalization (same mean and SD RGB intensities)								
Descriptives								
			Mean	St. Dev.	Median	EOM		
	Red	Original	132,56	40,533	143,00	0,129		
		Corrected	128,59	74,007	128,20	0,236		
TIS	Greed	Original	130,13	42,485	141,00	0,136		
125	Greed	Corrected	128,53	73,982	129,55	0,236		
	Blue	Original	122,51	42,112	132,00	0,134		
		Corrected	128,50	73,952	129,09	0,236		
	Red	Original	157,60	50,023	173,00	0,160		
		Corrected	128,57	74,114	127,76	0,237		
Ortho	Green	Original	147,66	51,948	164,00	0,166		
		Corrected	128,52	74,062	127,76	0,236		
	Blue	Original	140,31	52,617	157,00	0,168		
		Corrected	128,42	74,093	129,34	0,237		









