

Mixed - Adobe	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	3.814005114	3.794257761	4.187724386	4.176926017	5.727040262	5.507211912
2	10.53389146	10.50268932	8.748169309	8.696559986	8.715276411	8.672611198
3	11.44914981	11.71996235	10.7552828	11.04626452	10.67061621	10.79945847
4	4.830586161	4.788238065	5.385514888	5.38481022	6.044415112	6.099740501
5	14.40869349	14.44151896	15.19588357	15.24404485	14.67903218	14.72675975
6	15.8853097	17.01103872	15.99844654	16.87501797	15.6527097	16.44231428
7	26.58637108	26.15196498	28.60033189	28.11005153	21.53002376	21.27832498
8	9.119366273	8.912341914	8.910954713	8.722670855	8.724230668	8.564733748
9	12.32532511	12.47844957	12.51117236	12.67521475	13.2787904	13.47226147
10	6.169070417	6.325689692	6.520716686	6.720606057	6.951357328	7.222537132
11	22.44424014	22.20421149	21.54050392	21.41090057	20.56174239	20.46041222
12	12.30258823	12.15295405	13.29312117	13.16057042	11.4024277	11.3309979
13	9.03874951	10.96224272	9.151216117	10.81700912	9.002204647	10.71516737
14	11.83667321	11.7789875	11.05750897	11.00555644	11.61056633	11.56602205
15	9.382518908	9.340192011	9.114473675	9.100905625	8.940329499	8.899340361
16	18.3776512	18.05363901	16.70003551	16.41473868	14.45599727	14.28554773
17	11.16549895	11.13396499	10.85374442	10.8290986	11.47911812	11.44145722
18	15.57790047	18.02583155	12.73398111	13.47901196	13.48855882	14.45359829
19	20.86290951	21.84998063	19.96372665	21.52490153	17.37572608	17.76600394
20	18.157986	18.47718281	17.27732116	18.04745074	18.5601486	19.21754263
21	13.2099996	14.74379933	12.67324382	12.67937762	11.50583362	11.71065187
22	11.61319147	11.48400714	11.71055186	11.66271914	11.20297734	11.07213046
23	7.229140876	7.390248886	7.096061158	7.238185976	8.058071909	8.537541433
24	1.814159318	1.766633469	1.795013879	1.765446172	15.08282757	15.35871054

Table S1: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the Mixed reconstruction in Adobe RGB space

Mixed - sRGB	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	6.793457167	6.149023122	7.902182844	7.223958216	12.06499621	10.37704902
2	10.04056843	10.05507163	9.245134819	9.236413525	9.093918556	9.095763026
3	10.89672039	11.12051927	10.63878094	10.85676891	10.58257605	10.65112958
4	6.373562577	6.340759126	7.274586403	7.26194416	8.430880323	8.438657522
5	15.51911167	15.61246725	15.63925308	15.76657708	15.60308077	15.7177366
6	14.30154968	15.78262557	15.6298067	16.75429394	15.77371074	16.63233647
7	11.34174513	11.33565386	11.9789468	11.99063828	19.31469682	19.34629866
8	9.655935482	9.421895299	9.290559125	9.060776813	9.372147577	9.149571178
9	13.4706023	13.37140738	13.41664885	13.31678425	13.14237608	12.89483188
10	7.828506532	8.021853084	7.979776967	8.204937434	9.481251019	9.94103379
11	19.86004325	19.95292983	19.47365315	19.5957993	19.33959942	19.53342184
12	11.71995365	11.73824463	13.14036902	13.16504125	16.69667636	16.72163004
13	8.227575307	8.664739142	8.24506131	8.840711597	8.512096006	9.352759407
14	12.97938065	12.97389424	13.04621022	13.03290096	14.02060929	14.01250628
15	11.50840441	11.23658121	11.77249412	11.42570769	12.41938385	12.15960109
16	19.44255246	19.47259232	22.05493448	22.08981295	24.88677824	24.93588827
17	11.79493035	11.66901112	12.29646597	12.20084805	13.06538648	12.94071607
18	14.69854973	16.57641632	14.03777154	15.49409638	14.7555172	16.29595095
19	28.23889039	31.90397436	27.84602586	32.63489053	27.55387214	31.45795728
20	18.60577259	18.933974	17.34239303	17.81789941	17.96158814	18.3278614
21	14.98687082	15.27061741	14.11526638	14.2281524	15.34127567	15.77035018
22	13.17137213	13.4793734	13.3309918	13.55830277	13.75012054	13.78522001
23	7.48103527	7.48219641	7.786084717	7.732900886	11.37225284	11.59733989
24	6.905887412	6.27145637	7.722207032	7.140997132	10.30165721	9.201979218

Table S2: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the Mixed reconstruction in sRGB space

Mixed - wide	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	4.180063359	4.158303098	4.649974283	4.607051146	4.477040839	4.424884228
2	10.72958947	10.71907058	8.783751396	8.749975236	9.192553037	9.163475523
3	10.85123342	11.07271097	11.82912055	12.12060056	11.53642629	11.78230388
4	5.858453228	5.7433655	6.011850803	5.980685814	5.959524655	5.899030235
5	12.07467847	11.81643107	12.0151223	11.90570917	11.84933549	11.75447245
6	13.81374085	13.62062848	15.84619771	15.60886657	15.25180734	14.98861369
7	19.35208378	18.56066976	19.41908821	18.59178034	18.01574885	17.31141654
8	9.076180388	9.010123678	8.82623777	8.774070943	8.626339533	8.558714496
9	15.01518444	15.40724569	14.61749405	14.95803644	14.58619487	14.93405029
10	6.206931144	6.345366131	6.75674755	6.998429592	6.799807416	7.042626101
11	12.2140032	12.1758366	11.59738281	11.56445172	11.90692514	11.87820571
12	11.60377198	11.45835851	12.27811433	12.14749818	11.26197454	11.14582804
13	7.669558765	8.471722995	7.106813521	7.842767868	6.831780529	7.605348291
14	13.28853972	13.28671922	12.47869414	12.48464306	12.35808728	12.36349844
15	8.944662235	8.942838842	9.093407832	9.07549998	9.092905709	9.087440477
16	13.18910688	12.99845603	13.20818931	13.00662127	12.54927346	12.37777308
17	11.21619711	11.19169287	11.20370747	11.18493008	11.0215282	11.00085501
18	12.88237406	13.15493968	12.0620239	12.34182584	11.79990813	12.07866414
19	21.69928021	21.95306107	20.60777648	21.01574654	20.41269558	20.85232283
20	16.58091898	16.08258341	16.07406073	15.74988931	16.1541903	15.81873331
21	13.2837924	13.33545244	12.94398842	12.9508784	13.14074328	13.15702384
22	12.15400901	11.84232908	11.9950293	11.80965721	11.75560198	11.61737947
23	6.9223448	6.856155187	7.287063273	7.233313309	7.198540587	7.11923615
24	2.707432428	2.908742423	3.055203197	3.227546878	3.024351537	3.21968537

Table S3: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the Mixed reconstruction in wide RGB space

Fluor - Adobe	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	4.229915547	4.106093097	4.797700406	4.640758556	12.12630627	11.7739081
2	4.546632367	4.826668557	4.33402504	4.654188781	3.893435344	4.248383471
3	6.249010329	6.704076827	5.483643884	5.844846487	6.225442504	6.626136169
4	5.368703775	5.278835369	4.402155108	4.339209225	5.882499264	5.952875182
5	4.690828564	4.974533497	3.621663206	4.002978236	4.00570124	4.257535388
6	8.802268466	10.1907933	7.669599823	9.222386393	7.28912672	8.580091701
7	5.79733553	4.985517215	5.747040485	4.933350705	3.731031014	3.498198125
8	6.647033636	7.078500144	6.870241736	7.288770103	7.064347943	7.445996015
9	0.912690493	0.913128826	0.540853283	0.53931742	1.635606389	1.64807137
10	2.874888208	2.484767912	3.449776859	3.021398301	2.693530796	2.369585569
11	1.439302266	1.383718925	1.574904116	1.528281679	1.18669147	1.160197538
12	1.0311947	1.023380536	2.148481031	2.010513082	2.881009971	2.656434139
13	2.842773861	2.799208156	3.1445628	3.075410652	3.47301893	3.413011645
14	4.455437992	4.498333329	5.243553388	5.266600996	4.463418455	4.438481394
15	2.842144097	2.802496403	2.379815762	2.296068929	8.78026732	8.623476965
16	1.197356934	1.162853843	0.774515795	0.729659728	1.229996239	1.112765279
17	3.173207681	3.087383925	3.49562982	3.448931685	4.565116129	4.515590907
18	5.408241707	6.903882172	5.786360039	6.87377486	5.890850629	6.822875328
19	7.859018829	12.01017789	8.587805282	13.07207535	8.035305244	12.14540291
20	1.920404515	2.529906841	1.83526848	2.054401802	1.941333759	2.357719993
21	8.479807172	10.57903672	10.82087369	13.33492943	3.06044885	3.641994887
22	4.148077833	4.97535689	3.475827224	4.026233385	1.325833698	1.4405962
23	2.62344444	2.677010917	1.947898966	1.999873846	0.962868493	0.992091263
24	3.441087915	3.579055879	3.031163792	3.173919058	8.31842429	6.951109445

Table S4: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the Fluor reconstruction in Adobe RGB space

Fluor Set - sRGB	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	3.981851481	3.745128615	4.285998979	3.77660121	8.958668884	8.881147464
2	10.64522498	9.582753495	13.36005778	12.12319308	12.07337522	11.23166917
3	6.126968685	6.289811773	5.356054622	5.482914857	6.207040639	6.519741067
4	6.237012868	5.949082539	5.458178434	5.281438896	8.903668497	8.657225301
5	5.312822839	5.604323094	4.109193214	4.440254628	4.128095886	4.396458134
6	8.587522271	9.700777151	7.899488066	9.365942096	7.136758579	8.158751547
7	5.484182109	4.746631728	2.796418639	2.576487261	2.440919402	2.414744964
8	6.555899243	7.058268919	6.797180702	7.146462393	7.175336476	7.545870686
9	0.93224958	0.956349385	0.971271734	0.970773296	1.805755683	1.768483927
10	3.641622514	3.199707865	3.12164868	2.763535987	4.404661908	4.044681684
11	2.338953798	2.137563973	3.176608482	2.882970686	8.898499157	8.939104603
12	7.806773738	7.399174749	9.929386338	9.376797546	10.57355236	10.63280167
13	2.797262069	2.709477599	2.765159736	2.697851366	3.236160575	3.176350805
14	5.069993845	5.070649781	4.821768773	4.867678026	6.367666309	6.331843795
15	3.05823528	3.075808743	2.962993459	2.879627662	63.96030942	59.15177791
16	9.739743393	9.766319836	10.93293054	10.98688109	14.11295577	14.08832922
17	5.69272178	5.674510326	5.232945748	5.111384308	5.277953744	5.153611484
18	5.190808494	6.237385043	4.825533218	5.42132528	6.208251597	7.02694441
19	6.128261777	9.582040267	6.247170936	9.813402781	6.180312259	9.62711991
20	2.88945229	3.30584661	1.954351798	2.173940662	2.574456325	3.038193467
21	8.076622508	9.984644511	10.53172806	12.94964903	3.021649963	3.379256091
22	2.342665336	2.991599404	1.84833091	1.952355679	1.492195969	1.613880296
23	4.857050408	4.75974487	6.13128257	5.627210554	2.834292712	2.363583348
24	2.316676289	2.326298978	2.759446624	2.821680746	4.121628396	4.455150067

Table S5: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the Fluor reconstruction in sRGB space

Fluor - wide	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	4.34755742	4.373078281	4.422200765	4.405256595	4.231416675	4.219944788
2	10.44500186	9.123598402	11.45693022	9.740093957	10.47984295	8.788677363
3	5.963077118	6.550270239	5.468252585	5.947486155	5.50643906	5.914948599
4	5.08726807	5.017115209	4.287890952	4.207894195	4.043838991	4.001045163
5	4.422147162	4.671941984	3.930354164	4.201143793	3.665143731	3.910540356
6	8.715542059	10.31212506	8.474770251	10.12956315	7.960044179	9.488549606
7	7.890662187	6.933699068	7.45074516	6.626443947	7.49427118	6.4582982
8	5.959562098	6.358031699	6.262294289	6.65934534	6.219560285	6.67120662
9	3.399051323	3.572768588	3.469633291	3.634947803	3.814870115	3.871056076
10	2.542482564	2.623583023	2.139839102	1.97571843	1.935465466	1.843148427
11	1.306515396	1.303255205	2.49799811	2.459785276	1.368934023	1.367300161
12	2.143693044	2.066674066	2.469868265	2.42780606	1.698627701	1.679627649
13	3.126648725	3.110649083	3.73262655	3.773339585	3.395081554	3.406874591
14	4.858038842	4.825345855	4.350882434	4.341052952	4.471075356	4.490568973
15	2.076656625	2.165587592	1.160553341	1.093518459	1.177750411	1.164210719
16	1.629744716	1.58917028	1.163647262	1.077488059	1.354325309	1.262107776
17	3.009612715	2.97246228	2.567934851	2.570151339	2.340537648	2.382277748
18	5.148149168	6.83871101	5.958448148	7.255678805	4.909499703	6.2580054
19	9.824366225	8.391152038	10.17571427	8.62222293	13.42258815	10.0991609
20	2.319913145	2.983453914	1.677011837	2.500528006	1.915779466	2.745511607
21	7.65531815	9.482179252	9.255923674	11.52211851	6.363047013	7.977336708
22	3.227588053	3.672470852	2.093742832	2.394670274	1.409096134	1.67406793
23	2.879977261	3.031716275	2.635619868	2.813197458	2.770615573	3.145144708
24	2.059363191	2.405659139	1.495090317	1.737006317	2.04223949	2.31376581

Table S6: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the Fluor reconstruction in wide RGB space

LED - Adobe	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	8.984561204	7.287065731	7.995981287	6.363398167	9.050585381	7.102904011
2	15.990564	14.07652232	16.56775964	14.92894301	13.90118646	13.47352335
3	4.426586589	4.627473164	3.923600107	4.321260066	4.290961759	4.477927585
4	4.560026272	3.938195707	4.056020555	3.366470731	5.154456753	4.179193096
5	2.284624388	2.451554502	1.80585719	2.368501752	1.469702275	2.052411349
6	4.50760604	5.022157698	4.549877647	5.137527872	4.821259275	5.355205697
7	3.516959212	3.283738977	2.79964467	2.589513096	3.463317608	3.293517411
8	7.552938105	8.00308929	7.035671201	7.387219208	7.095070967	7.483293892
9	4.990314222	4.214938827	3.916538716	3.338865984	3.556317776	3.130896178
10	4.475964948	4.183162622	4.771930266	4.405531316	5.179182206	5.130068643
11	6.414598755	6.490043313	6.50528672	6.63523195	6.377088315	6.531986731
12	7.953434742	7.454547518	10.36081808	9.741176257	10.69523726	9.969207989
13	6.267596068	6.359311276	5.277563663	5.397778804	5.910318438	5.997173409
14	8.278924437	8.640412772	8.265389135	8.593061041	7.819774151	8.008918896
15	3.937376154	3.416932564	3.97385942	3.437816364	6.402589884	5.837789849
16	7.9424521	7.102010092	7.379858044	6.644380661	6.87690946	5.892061814
17	6.648831912	5.729224022	7.637148593	6.774533265	7.727915065	6.742813134
18	6.870103975	7.522226683	6.812757316	7.270483504	7.100508398	7.600886993
19	7.965867162	12.32575175	9.813762046	14.64178905	10.62261976	15.7108121
20	1.651321334	1.89540422	2.129296287	2.573829594	2.808131507	3.498295509
21	3.646216426	3.83406489	2.967496031	2.946877622	4.463486738	4.892969935
22	6.102455489	6.658398142	5.330506088	5.571717668	6.014527435	6.296739242
23	7.954190514	7.769662526	6.257792833	6.084240872	7.581928133	7.417414538
24	5.282528146	5.412029749	3.353557771	3.498715626	6.180104101	6.209474244

Table S7: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the LED reconstruction in Adobe RGB space

LED - sRGB	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	8.054846974	6.806146127	6.570926999	5.299434169	7.20801292	6.080253435
2	16.98285394	14.95155917	16.77829823	14.54966193	15.29290317	13.52972804
3	5.041740838	5.161466528	3.906836933	4.298595222	4.885128425	5.049987497
4	5.716687564	5.602717024	4.183311415	4.212637149	3.930207387	3.342050511
5	2.43582307	2.541819493	1.650819118	1.996335395	1.841179301	2.532860202
6	4.598315709	4.955821376	4.605334725	5.128062259	4.469680689	4.941096232
7	5.332271792	4.945397212	5.724437576	5.367462565	5.301261946	4.880886728
8	7.939470359	8.310403934	6.804344039	7.106774701	8.867246505	9.223119207
9	4.332715932	3.804162201	6.884428825	6.280915882	7.779280937	7.081114192
10	4.009093773	3.612056689	4.524802435	4.09055493	4.612117726	4.523992069
11	4.038263798	3.818567232	4.519121395	4.674432825	4.695985929	4.78458153
12	10.55929409	9.660292688	13.22444251	12.22046329	10.01418156	9.082509963
13	6.55637098	6.560257342	4.962070874	5.04961431	6.951859196	7.169590263
14	6.59619744	6.845970527	6.643615901	6.560345229	5.720158849	5.006687545
15	4.029081615	3.366686951	5.436834866	4.595320182	6.683546466	5.685182491
16	11.6910592	10.81611125	11.46660032	10.81684079	4.70105511	3.925766177
17	6.149769109	5.230542145	7.334585975	6.245208067	7.093367471	6.192270827
18	6.691013326	7.40324758	7.304782355	7.898060485	9.088858717	9.791444567
19	7.454954785	11.626127	5.954260086	9.522837407	6.443165284	10.236856
20	2.376825489	2.46028973	2.412329732	2.430161039	1.864257914	2.182511304
21	4.323654349	4.283197895	3.257478587	3.262007356	4.0287255	3.987381298
22	5.512085455	5.741298563	5.568307142	5.590790463	6.132589258	5.949763523
23	8.6872311	8.467954101	6.317636004	6.183104331	7.323138563	7.366639836
24	3.351609426	3.614932926	3.265680075	3.518783608	6.610624318	6.73681349

Table S8: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the LED reconstruction in sRGB space

LED - wide	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	9.162693632	7.558083916	7.861413265	6.1619553	8.591105984	6.825378928
2	11.40304364	8.858561425	10.86721088	8.608034314	9.96899482	7.66000177
3	3.532485958	3.82486244	3.289073171	3.580142538	4.084604799	4.261952861
4	5.076882413	4.285569148	3.140284102	2.606752045	4.007993029	3.423792772
5	2.340946775	2.505472812	1.858963346	2.289699312	2.193810478	2.749923666
6	5.182498891	5.743142735	4.67096417	5.350996195	4.669895929	5.457076959
7	3.47956843	3.254198582	3.205563322	3.07325295	3.401443795	3.26288524
8	7.353866566	7.694510949	6.615133961	6.975890458	7.802885636	8.20506763
9	3.147174179	2.880827651	3.329616218	3.155818724	4.061949502	3.978547996
10	5.206826365	5.125383269	5.642236192	5.225780728	5.961385728	5.555738787
11	7.379633389	6.945263984	7.79947271	7.197776029	7.409576947	6.818058496
12	4.365034312	4.006764119	4.352728527	3.968595489	4.019101014	3.695097218
13	6.718995729	6.79628915	5.7581465	5.833589697	5.81723479	5.883301068
14	3.383516168	3.258008076	4.699312522	4.377507347	6.390699411	6.120520594
15	4.344144141	4.061651957	3.654383343	3.306939925	4.329751771	4.045866995
16	5.427344758	4.747865168	7.138408632	6.332972319	5.750216094	5.081447568
17	5.078385503	4.688642395	5.550954166	4.999324625	6.089098507	5.604623808
18	6.060449083	6.509940495	7.496450885	8.068631239	7.566637553	8.223801536
19	10.53814717	8.807326473	10.612027	9.595275307	12.29523248	10.18001021
20	3.9035134	5.615135502	4.749376169	6.994311528	6.761188322	9.408669669
21	5.188752844	5.429388269	2.904038893	3.042671958	3.863238226	4.033785548
22	5.472618277	6.037540304	5.926020891	6.523600918	6.855455602	7.401503175
23	7.34362016	7.680563084	6.317888661	6.646509306	7.433731317	7.674777827
24	6.284592752	6.120166375	4.098159756	4.037474795	4.253393933	4.185787235

Table S9: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the LED reconstruction in wide RGB space

Sun - Adobe	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	8.504873533	6.87237273	8.725404955	7.444694424	11.97292997	10.25324505
2	16.1285488	15.26885627	14.64447607	13.86909827	12.9245786	12.22959862
3	12.8220323	14.01681656	11.131206	12.74460239	9.9557499	11.51783173
4	7.037886326	5.421276331	8.386316827	6.498833952	8.300946235	6.355601852
5	3.69099632	4.805891344	5.365457572	7.269101299	32.32646753	37.36061468
6	12.12934959	13.43595716	8.599274447	10.20650929	24.36798789	27.15475228
7	6.066490078	5.667328071	6.11470347	5.902130331	5.64690978	5.433201483
8	1.582171731	1.927213817	2.717817962	3.035480265	2.706431636	2.895199152
9	7.094071604	6.664060864	6.482699869	6.350754312	5.75502014	5.575720422
10	8.777375071	10.01641467	8.744514161	10.23556374	10.08236342	12.08787124
11	10.28799065	9.845260742	13.9757209	13.02844393	14.17181803	12.51540397
12	8.061011053	7.579972472	12.55130095	11.61109986	9.584101883	9.119751341
13	7.565614701	8.696448457	6.763072955	7.733065111	6.406970297	7.411727387
14	7.397796833	7.657653911	7.344510548	7.600917995	6.092618983	5.914170243
15	5.838861116	5.322257958	5.326560599	4.874301736	4.672806105	4.1893853
16	19.46243404	17.81028748	20.00581195	18.92702518	20.42740568	18.93974035
17	8.87076644	8.598753647	13.61733102	13.51151324	13.05616672	12.86965527
18	9.53805564	10.85674091	10.58754507	12.01689925	9.484087753	10.81298284
19	9.341836056	10.43602631	10.35582417	11.48312554	10.36735897	11.39803497
20	8.793443444	9.249809903	8.005047243	8.451991614	7.698770117	8.099280835
21	16.39820388	20.01775291	14.72411343	17.92782072	12.94847119	15.43181534
22	6.317324075	6.956964807	6.575935314	7.434031417	6.548423988	7.617683409
23	1.883901034	1.968142753	1.78381816	1.862483305	3.027157372	3.190601972
24	2.627972583	2.593253251	2.723440645	2.687748891	5.25748273	5.153587755

Table S10: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the Sun reconstruction in Adobe RGB space

Sun - sRGB	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	5.708019827	5.119998756	7.683162125	6.841028918	4.788000242	4.380284251
2	16.850757	16.18500907	17.26551135	16.31232736	15.17969841	14.42838324
3	10.96852094	12.77670963	10.93422601	12.68426308	8.669348531	10.40461005
4	4.077055772	3.316246073	9.246494964	7.051061992	51.27544012	44.33812515
5	4.191159414	6.213728319	4.657246327	6.069879787	32.41574237	37.4056423
6	9.121984274	10.40027368	13.34624472	14.3923564	8.263995159	9.497545044
7	7.662452181	7.488336716	8.26178173	8.186847912	8.433688711	8.319209356
8	1.560630816	1.775654273	2.515953211	2.62957391	2.067380077	2.264901843
9	8.189127191	8.138768167	10.62477275	10.21432048	10.94675942	10.76894115
10	7.953257293	9.347441573	12.9740859	16.08232363	8.07751339	9.37693878
11	10.46387835	9.8321107	13.99180647	12.67588536	21.30859197	19.49712813
12	17.42790497	16.07442261	19.8625235	18.24407942	25.94464544	22.99452171
13	6.602520986	7.604755694	6.258051511	7.093261767	5.762166535	6.570660395
14	7.125677289	7.410386636	7.164751384	7.438332215	6.045274608	6.205662246
15	7.067672868	6.86485669	7.637772018	7.400122009	7.60631742	7.208440806
16	14.55750144	13.82749259	9.836435539	9.581759608	8.523962968	8.272412765
17	12.36998205	11.62007325	8.072521436	7.723172789	43.88782628	43.87061234
18	8.541892918	9.795232972	8.124074387	9.174298457	8.92446937	10.24848166
19	9.62985488	11.05360177	10.32725015	11.60863224	9.715099561	10.98897153
20	7.163305566	7.82354479	8.464067166	9.005582686	7.676458669	8.14661643
21	16.27366147	19.49185123	16.13164307	19.37487757	14.4274303	16.84020985
22	5.974244298	6.832481334	7.356387132	8.320520194	7.014144654	8.091321644
23	4.922214486	5.161308895	6.188444085	6.028689822	5.798678981	5.558919553
24	2.96142058	3.076165749	1.994822145	2.148371921	1.855533725	1.695444461

Table S11: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the Sun reconstruction in sRGB space

Sun Set - wide	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65	ΔE - D50	ΔE - D65
1	4.542636782	3.770912894	5.76014948	4.799081014	5.59983504	4.677398392
2	10.07041349	8.833407586	8.614502501	7.864891337	8.834710122	8.027886028
3	4.328919921	5.292940139	4.894084463	5.819313429	4.010912733	4.917981913
4	6.39664124	5.11750994	7.196570018	6.178671793	7.924103225	6.35137248
5	5.359217759	6.033692946	5.472833554	6.727254548	6.02848271	7.12271146
6	9.325386777	11.20363456	8.69057512	10.52482721	9.310254146	11.10122445
7	5.445606827	5.063798806	6.208495867	5.954839864	6.217076765	5.888819537
8	1.852796317	2.264715811	2.427675795	2.810624659	2.065374604	2.622759311
9	3.620740961	3.855773868	4.414215919	4.553699678	4.192953227	4.387481885
10	7.126361486	8.196828151	10.0376093	12.38193666	8.429620586	9.655588647
11	13.56363197	12.06012264	19.04909337	17.47232089	16.62329786	15.29127381
12	7.195532128	6.783843075	8.423624865	7.925101638	11.52829913	10.58362691
13	7.590613846	8.763304714	7.152095568	8.357574123	7.114820746	8.449199713
14	5.942386786	5.985445981	6.423381528	6.401887567	6.080436251	5.884773789
15	4.852072691	4.309121544	4.681152924	4.345251689	4.310353133	4.051347934
16	12.09666679	11.48238169	11.09161695	10.45147303	12.49399301	11.87591744
17	9.510296826	9.697011571	6.858497585	7.111130393	12.91888719	13.08711162
18	9.368330824	10.33270458	8.040050031	8.889215211	10.27190508	11.10584882
19	25.31328024	21.8798749	22.15056003	20.19864085	24.93478417	21.33708923
20	8.381107377	8.792223781	8.612636734	9.026668561	8.541365943	8.957530509
21	17.75674328	21.73485319	17.19316672	21.18620607	16.78311725	20.46333076
22	6.420202999	7.494836471	6.399327185	7.407096434	6.988108842	8.060092923
23	4.476075778	4.538441152	2.13416736	2.280005623	2.590812676	2.713631886
24	4.091982235	4.052731656	3.13116016	3.203719305	8.597781941	8.465008546

Table S12: Table showing the average CIEDE2000 differences for each patch of the colour chart between the reference image and the photogrammetry image. The results are calculated for two illuminants: D65 and D50, for the Sun reconstruction in wide RGB space

Mixed - Adobe	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.99997	0.0048439	0.99989	0.0092069	0.99895	0.0291573
2	0.99997	0.0040404	0.99997	0.0046256	0.99999	0.00087665
3	0.97619	0.139156	0.97936	0.129585	0.98287	0.117993
4	0.99990	0.0087544	0.99831	0.036926	0.99292	0.07571
5	0.99767	0.043303	0.99710	0.048459	0.99704	0.048979
6	0.186577	0.88057	0.19294	0.87635	0.228407	0.85324
7	0.90593	0.27832	0.88545	0.30761	0.94153	0.21879
8	0.99868	0.032634	0.99873	0.0320696	0.99910	0.026882
9	0.99989	0.0093755	0.99988	0.0096301	0.99938	0.0224854
10	0.99763	0.0437346	0.99890	0.029864	0.99738	0.046091
11	0.83664	0.369053	0.80907	0.39998	0.83850	0.366886
12	0.99701	0.049284	0.99555	0.060035	0.99521	0.0622464
13	0.99999	0.00270846	0.99938	0.0223368	0.99921	0.0253296
14	0.99525	0.062065	0.99800	0.040155	0.99782	0.041901
15	0.99864	0.033185	0.99861	0.03341	0.99828	0.037276
16	0.99978	0.0132176	0.99918	0.0257622	0.99974	0.0145093
17	0.98807	0.09845	0.99313	0.074618	0.98854	0.096464
18	0.88363	0.310145	0.96826	0.160884	0.95532	0.19108
19	0.329394	0.78631	0.396155	0.74063	-0.99733	0.046593
20	0.76343	0.447077	0.74707	0.462963	0.71947	0.4887
21	0.99805	0.0396165	0.99825	0.037639	0.99812	0.0390514
22	0.30366	0.80359	0.97305	0.148192	0.82721	0.37982
23	-0.76129	0.449173	-0.76937	0.44112	-0.96979	0.157083
24	0.85985	0.341176	0.70264	0.50404	-0.16573	0.89397

Table S13: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the Mixed reconstruction in Adobe RGB space

Mixed - sRGB	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.9999	0.024182	0.9983	0.03607	0.9926	0.07656
2	0.9993	0.023618	0.9996	0.01559	0.9998	0.02309
3	0.958	0.18347	0.9654	0.16328	0.9701	0.15105
4	0.9832	0.11007	0.9775	0.13267	0.9787	0.1303
5	0.9947	0.06829	0.9938	0.07318	0.993	0.0744
6	0.3138	0.7936	0.4667	0.6927	0.4361	0.7115
7	0.9899	0.09045	0.9861	0.10749	0.9696	0.15836
8	0.9978	0.04633	0.9976	0.04621	0.9975	0.04392
9	0.9959	0.05476	0.9964	0.054585	0.9934	0.07495
10	0.9935	0.07474	0.9863	0.10937	0.9694	0.15007
11	0.8231	0.38203	0.8086	0.4017	0.8449	0.3664
12	0.9812	0.12756	0.980	0.12313	0.9786	0.13418
13	0.9994	0.027227	0.9994	0.0297	0.9999	0.02276
14	0.9995	0.000028	0.9976	0.04386	0.9999	0.024204
15	0.9995	0.017964	0.9991	0.006328	0.9997	0.02129
16	0.9956	0.06311	0.9892	0.09174	0.9781	0.1317
17	0.963	0.1703	0.9727	0.15957	0.9636	0.1767
18	0.8898	0.30265	0.9309	0.2336	0.9259	0.24072
19	0.4768	0.6841	0.42635	0.7125	0.5172	0.6566
20	0.8906	0.3075	0.8534	0.3471	0.9061	0.27456
21	0.9662	0.1681	0.9821	0.1232	0.9736	0.14602
22	0.9786	0.13744	0.953	0.1979	0.976	0.13554
23	0.941	0.21095	0.9992	0.008947	-0.48124	0.6748
24	-0.17285	0.8827	-0.4192	0.7236	0.6844	0.5115

Table S14: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the Mixed reconstruction in sRGB space

Mixed - wide	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.9990	0.027182	0.9980	0.03907	0.9923	0.07856
2	0.9992	0.024618	0.9996	0.01659	0.9994	0.02009
3	0.9589	0.18347	0.9656	0.16728	0.9705	0.15405
4	0.9832	0.11607	0.9771	0.13667	0.9784	0.1323
5	0.9945	0.06629	0.9937	0.07118	0.9932	0.0744
6	0.3130	0.7976	0.4668	0.6907	0.4362	0.7125
7	0.9895	0.09245	0.9868	0.10349	0.9691	0.15836
8	0.9974	0.04533	0.9972	0.04621	0.9975	0.04492
9	0.9956	0.05976	0.9964	0.053585	0.9931	0.07495
10	0.9931	0.07474	0.9869	0.10237	0.9697	0.15707
11	0.8233	0.38403	0.8085	0.4007	0.8442	0.3604
12	0.9818	0.12156	0.9806	0.12513	0.9782	0.13318
13	0.9994	0.021227	0.9991	0.0267	0.9990	0.02876
14	0.9998	0.009028	0.9978	0.04186	0.9992	0.024204
15	0.9995	0.019964	0.9999	0.002328	0.9992	0.02529
16	0.9952	0.06111	0.9899	0.09074	0.9787	0.1317
17	0.9638	0.1713	0.9723	0.15057	0.9636	0.1727
18	0.8894	0.30265	0.9302	0.2396	0.9251	0.24772
19	0.4760	0.6841	0.42695	0.7195	0.5171	0.6536
20	0.8900	0.3015	0.8535	0.3481	0.9061	0.27856
21	0.9660	0.1661	0.9822	0.1202	0.9730	0.14802
22	0.9780	0.13344	0.9539	0.1949	0.9763	0.13854
23	0.9417	0.21895	0.9999	0.008947	-0.48824	0.6748
24	-0.17785	0.8867	-0.4172	0.7256	0.6845	0.5195

Table S15: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the Mixed reconstruction in wide RGB space

Fluor - Adobe	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.9992	0.024665	0.9991	0.02692	0.9995	0.018
2	0.9980	0.039254	0.9971	0.048226	0.9977	0.04279
3	0.9929	0.07504	0.9941	0.06814	0.9925	0.0771
4	0.9908	0.08675	0.9890	0.09432	0.9959	0.0579
5	0.9998	0.009215	0.9997	0.013833	0.9993	0.022804
6	0.8787	0.316	0.8854	0.30766	0.9012	0.28555
7	0.9744	0.14437	0.9738	0.14528	0.9852	0.10972
8	0.9963	0.05457	0.9972	0.04772	0.9971	0.04843
9	0.9980	0.03991	0.9980	0.04029	0.9969	0.0494
10	0.9695	0.15714	0.9582	0.18414	0.9703	0.1557
11	0.9940	0.0697	0.9921	0.07915	0.9952	0.06228
12	0.9864	0.10453	0.9893	0.09243	0.9894	0.09282
13	0.9999	0.0003133	0.9999	0.002147	0.9999	0.00589
14	0.9967	0.05134	0.9971	0.04829	0.9976	0.04335
15	0.9972	0.04617	0.9981	0.03934	0.9990	0.027954
16	0.9978	0.041305	0.9979	0.04155	0.9991	0.02565
17	0.9789	0.1306	0.9743	0.1445	0.9761	0.13924
18	0.9701	0.15576	0.9740	0.14544	0.9765	0.13892
19	0.2346	0.849	0.24612	0.8415	0.33177	0.7849
20	0.9979	0.040645	0.9940	0.06993	0.9883	0.09744
21	0.9765	0.13803	0.9539	0.19492	0.9996	0.01748
22	0.9931	0.0749	0.9846	0.11126	0.9993	0.02318
23	0.9994	0.021034	0.9932	0.07427	0.9981	0.03879
24	-0.0346	0.9783	0.39117	0.744	0.9360	0.228

Table S16: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the Fluor reconstruction in Adobe RGB space

Fluor - sRGB	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.99640	0.054048	0.99308	0.07494	0.97356	0.146764
2	0.30819	0.80058	0.0016852	0.9989	0.65606	0.54448
3	0.99278	0.07651	0.99499	0.06367	0.98902	0.09442
4	0.94317	0.215677	0.92292	0.251596	0.93581	0.22938
5	0.99956	0.0187693	0.99911	0.0267096	0.99825	0.037604
6	0.96302	0.173624	0.94410	0.21384	0.97121	0.15319
7	0.98453	0.112083	0.98288	0.11791	0.98301	0.117429
8	0.99307	0.074929	0.99503	0.063475	0.99538	0.061119
9	0.99841	0.035822	0.99804	0.039826	0.99769	0.043222
10	0.93969	0.222258	0.94872	0.20476	0.97606	0.139506
11	0.99975	0.0140526	0.99958	0.0182632	0.94529	0.211564
12	0.99106	0.08512	0.98179	0.121644	0.99978	0.0133435
13	0.99998	0.00375854	0.99996	0.0056998	0.99968	0.016138
14	0.99420	0.068513	0.98886	0.095181	0.97748	0.135363
15	0.99744	0.045464	0.99823	0.037816	-0.81789	0.390373
16	0.97276	0.14899	0.97548	0.141208	0.89699	0.29147
17	0.95958	0.181657	0.96523	0.168385	0.97077	0.15429
18	0.96219	0.175622	0.96992	0.156563	0.96117	0.17791
19	0.061543	0.96078	0.116906	0.92548	0.16548	0.89417
20	0.98872	0.095665	0.98613	0.106109	0.97647	0.138358
21	0.99515	0.062748	0.97986	0.127984	0.99857	0.033955
22	0.99664	0.05212	0.99699	0.0493425	0.99955	0.0190178
23	0.38769	0.74657	0.402814	0.73605	0.99355	0.072362
24	0.81834	0.38977	0.52595	0.64744	-0.9660	0.166464

Table S17: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the Fluor reconstruction in sRGB space

Fluor - wide	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.9999	0.008375	0.9995	0.01827	0.9996	0.01768
2	0.8848	0.30824	0.8562	0.34553	0.8887	0.3038
3	0.9960	0.05678	0.9958	0.0571	0.9963	0.0546
4	0.9882	0.09727	0.9901	0.08962	0.9983	0.036705
5	0.9996	0.017966	0.9993	0.023332	0.9993	0.023312
6	0.9825	0.11993	0.9753	0.1419	0.9796	0.12852
7	0.9693	0.15725	0.9701	0.15572	0.9717	0.1513
8	0.9960	0.05666	0.9963	0.05457	0.9964	0.053136
9	0.9997	0.013474	0.9998	0.010792	0.9996	0.01672
10	0.9999	0.006069	0.9986	0.03362	0.9989	0.029376
11	0.9949	0.063	0.9896	0.09148	0.9941	0.0686
12	0.9944	0.06712	0.9956	0.059144	0.9947	0.06548
13	0.9964	0.05388	0.9964	0.0538	0.9964	0.05301
14	0.9889	0.09483	0.9864	0.10534	0.9912	0.08435
15	0.9996	0.017642	0.9999	0.005635	0.9999	0.0000378
16	0.9976	0.04309	0.9986	0.032593	0.9987	0.03123
17	0.9988	0.031375	0.9990	0.027334	0.9993	0.02271
18	0.9865	0.10454	0.9859	0.10645	0.9885	0.09628
19	0.1351	0.9134	0.08382	0.9462	-0.19102	0.8772
20	0.9999	0.0014367	0.9999	0.004828	0.9999	0.005509
21	0.9989	0.02914	0.9971	0.048095	0.9997	0.01406
22	0.9998	0.010509	0.9999	0.0013936	0.9999	0.0007152
23	0.9998	0.01093	0.9990	0.027712	0.9988	0.030784
24	0.9997	0.01475	0.9991	0.026385	0.9995	0.019955

Table S18: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the Fluor reconstruction in wide RGB space

LED - Adobe	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.9889	0.0943	0.9880	0.09863	0.9851	0.10993
2	-0.4967	0.6694	-0.5402	0.6366	-0.28955	0.8125
3	0.9999	0.0066785	0.9998	0.009318	0.9998	0.009234
4	0.9937	0.07191	0.9899	0.0905	0.9917	0.08164
5	0.9974	0.04556	0.9976	0.04357	0.9988	0.031896
6	0.9990	0.02832	0.9974	0.045305	0.9990	0.028717
7	0.9884	0.09656	0.9883	0.09772	0.9886	0.09594
8	0.9988	0.030463	0.9988	0.030012	0.9990	0.027568
9	0.9999	0.002193	0.9999	0.0012679	0.9999	0.0013194
10	0.9708	0.15478	0.9595	0.18147	0.9828	0.1176
11	0.9825	0.11989	0.9824	0.11983	0.9842	0.11311
12	0.9990	0.028988	0.9999	0.0009582	0.9998	0.011951
13	0.9999	0.0013734	0.9999	0.0046975	0.9999	0.0068155
14	0.9690	0.15815	0.9689	0.15972	0.9855	0.1088
15	0.9974	0.04504	0.9978	0.04153	0.9977	0.04255
16	0.9997	0.013763	0.9996	0.016585	0.9994	0.021525
17	0.9400	0.22147	0.9258	0.2469	0.9141	0.265
18	0.9807	0.12582	0.9862	0.1058	0.9864	0.10481
19	0.35125	0.7714	0.24295	0.8435	0.21387	0.8621
20	0.9827	0.11846	0.9696	0.15726	0.9445	0.2133
21	0.9962	0.05505	0.9998	0.012072	0.9860	0.10695
22	0.06749	0.9577	0.1506	0.9037	0.3533	0.7701
23	0.6716	0.531	0.8350	0.37045	0.8197	0.3886
24	0.7707	0.4394	0.8167	0.3916	0.30676	0.8011

Table S19: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the LED reconstruction in Adobe RGB space

LED - sRGB	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.9868	0.10326	0.9906	0.08784	0.9963	0.054555
2	-0.5709	0.6133	-0.4951	0.6709	-0.5019	0.6655
3	0.9999	0.007716	0.9998	0.012535	0.9990	0.027015
4	0.9926	0.07681	0.9876	0.10063	0.9995	0.019185
5	0.9978	0.0426	0.9974	0.04536	0.9991	0.026216
6	0.9999	0.0031093	0.9986	0.03369	0.9994	0.02021
7	0.9903	0.08837	0.9911	0.08409	0.9901	0.08964
8	0.9980	0.03972	0.9978	0.041176	0.9978	0.041465
9	0.9999	0.00462	0.9995	0.019182	0.9984	0.03556
10	0.9577	0.18595	0.9417	0.21827	0.9807	0.1256
11	0.9969	0.04952	0.9904	0.08727	0.9901	0.08955
12	0.9891	0.0936	0.9797	0.1283	0.9967	0.05179
13	0.9999	0.008425	0.9997	0.013317	0.9997	0.013223
14	0.9754	0.14165	0.9926	0.07793	0.9962	0.05561
15	0.9984	0.03528	0.9992	0.025496	0.9995	0.019766
16	0.9688	0.1596	0.9733	0.14795	0.9935	0.07278
17	0.9192	0.25757	0.8990	0.2887	0.9172	0.26096
18	0.9605	0.17992	0.9681	0.16175	0.9637	0.17136
19	0.11913	0.9235	0.2505	0.8385	0.2005	0.8718
20	0.9803	0.12615	0.9914	0.08344	0.9818	0.12127
21	0.9995	0.018294	0.9987	0.03205	0.9997	0.015379
22	-0.19502	0.8745	-0.1896	0.8782	-0.1823	0.8823
23	0.5962	0.5933	0.9117	0.2691	0.9194	0.25784
24	0.9363	0.2286	0.9079	0.2758	0.9515	0.19806

Table S20: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the LED reconstruction in sRGB space

LED - wide	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.32153	0.79169	0.42262	0.7222	0.26574	0.8287
2	-0.102095	0.93497	-0.05243	0.96666	0.015741	0.98993
3	0.99927	0.0243034	0.99921	0.0251703	0.99897	0.0287016
4	0.87680	0.319303	0.95000	0.202157	0.92438	0.249196
5	0.99999	0.0025596	0.99999	0.00242783	0.99997	0.0044497
6	0.99027	0.088883	0.99289	0.075923	0.99391	0.070207
7	0.99351	0.072504	0.99327	0.073853	0.99329	0.073789
8	0.99753	0.0447475	0.99738	0.046042	0.99742	0.045649
9	0.99986	0.0104696	0.99999	0.000105142	0.99980	0.0124937
10	0.99299	0.07538	0.98881	0.095383	0.98883	0.095234
11	0.95156	0.198992	0.94742	0.207393	0.94987	0.202448
12	0.99755	0.0445025	0.99733	0.0464594	0.99720	0.0476365
13	0.99782	0.0419676	0.99753	0.044711	0.99729	0.0468435
14	0.99896	0.0289606	0.99353	0.072468	0.99427	0.068105
15	0.99996	0.00513685	0.99981	0.0123386	0.99992	0.00789
16	0.99975	0.014277	0.99888	0.0300295	0.99950	0.02005
17	0.96104	0.178266	0.94642	0.209334	0.94738	0.207476
18	0.98829	0.097566	0.99006	0.089878	0.98976	0.091151
19	0.259344	0.83295	0.25165	0.83806	0.0179664	0.98853
20	0.99856	0.034054	0.99670	0.05163	0.99013	0.089405
21	0.99998	0.0032293	0.99993	0.0071616	0.99991	0.0082121
22	0.99959	0.0180712	0.99852	0.0346244	0.99805	0.039746
23	0.99619	0.055542	0.99659	0.0525385	0.99713	0.0482046
24	0.99673	0.051439	0.99804	0.039871	0.99834	0.036575

Table S21: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the LED reconstruction in wide RGB space

Sun - Adobe	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.9668	0.16473	0.9470	0.2087	0.9534	0.19512
2	-0.2845	0.8163	-0.09193	0.9415	0.05946	0.9621
3	0.7160	0.4917	0.8552	0.34624	0.8976	0.2906
4	0.9873	0.10197	0.9838	0.11448	0.9780	0.13305
5	0.9996	0.01636	0.9999	0.007572	0.7338	0.4754
6	0.8091	0.39903	0.8703	0.32767	0.8393	0.36564
7	0.9884	0.09668	0.9888	0.09513	0.9902	0.0881
8	0.9994	0.021218	0.9989	0.029803	0.9986	0.032246
9	0.9999	0.006681	0.9998	0.009106	0.9999	0.000881
10	0.9620	0.17526	0.9650	0.1684	0.9644	0.1702
11	0.9876	0.09939	0.9881	0.09844	0.9993	0.02385
12	0.9933	0.07326	0.9942	0.06894	0.9937	0.07199
13	0.9905	0.08771	0.9919	0.08062	0.9937	0.07162
14	0.9583	0.18464	0.9616	0.1761	0.9965	0.05247
15	0.9992	0.024814	0.9990	0.028334	0.9992	0.02442
16	0.9866	0.10488	0.9918	0.08157	0.9864	0.10535
17	0.9938	0.07044	0.9930	0.07504	0.9918	0.08194
18	0.9838	0.11405	0.9922	0.07973	0.9920	0.08013
19	0.8202	0.3879	0.7902	0.41903	0.8115	0.3972
20	0.9133	0.26767	0.9172	0.2604	0.9263	0.24534
21	0.8278	0.3795	0.8179	0.39015	0.9001	0.28656
22	0.8038	0.40523	0.7884	0.4218	0.7287	0.48003
23	0.9186	0.25875	0.9256	0.24746	0.8697	0.32825
24	0.9978	0.041874	0.9896	0.09132	0.3878	0.7466

Table S22: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the Sun reconstruction in Adobe RGB space

Sun - sRGB	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.9987	0.03157	0.9856	0.10738	0.9998	0.012547
2	-0.36115	0.764	-0.3926	0.7438	-0.340	0.7791
3	0.7759	0.43466	0.7774	0.43364	0.9155	0.26337
4	0.9997	0.014986	0.9891	0.09431	-0.5847	0.6025
5	0.9999	0.006916	0.9999	0.0023716	0.6515	0.5487
6	0.9474	0.2078	0.9281	0.24278	0.9626	0.17477
7	0.9873	0.10185	0.9878	0.09934	0.9897	0.09171
8	0.9987	0.03245	0.9977	0.04206	0.9975	0.044416
9	0.9998	0.011083	0.9996	0.016944	0.9967	0.05131
10	0.9829	0.11707	0.9153	0.2636	0.9960	0.056036
11	0.9998	0.011047	0.9995	0.018458	0.9684	0.16093
12	0.9539	0.1934	0.9331	0.23408	0.6586	0.5421
13	0.9893	0.09289	0.9860	0.10672	0.9889	0.09488
14	0.8999	0.2872	0.9047	0.2807	0.9605	0.17978
15	0.9991	0.025948	0.9992	0.02403	0.9998	0.012316
16	0.9983	0.03694	0.9996	0.01681	0.9919	0.0807
17	0.9426	0.21603	0.9831	0.11707	-0.6694	0.5322
18	0.9859	0.1061	0.9816	0.1221	0.9870	0.10274
19	0.6014	0.5892	0.5875	0.6004	0.6303	0.565
20	0.8573	0.3447	0.8433	0.3615	0.8752	0.3218
21	0.8696	0.32846	0.8514	0.3517	0.9433	0.21502
22	0.7182	0.48955	0.6716	0.5318	0.5889	0.5995
23	0.6410	0.5565	0.5469	0.6311	0.39643	0.7401
24	0.9931	0.07498	0.9797	0.1287	0.9930	0.07551

Table S23: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the Sun reconstruction in sRGB space

Sun - wide	Discard	Discard	Interp.	Interp.	Direct	Direct
Patch	Pearson	r-value	Pearson	r-value	Pearson	r-value
1	0.9780	0.13305	0.9193	0.25745	0.9238	0.25027
2	0.16114	0.8969	0.6365	0.560	0.5773	0.6081
3	0.9967	0.05198	0.9967	0.051447	0.9972	0.04732
4	0.7382	0.4716	0.7458	0.46454	0.5422	0.6352
5	0.9995	0.019807	0.9992	0.024858	0.9991	0.02629
6	0.9999	0.0034885	0.9994	0.021042	0.9991	0.026736
7	0.9933	0.07367	0.9936	0.07116	0.9935	0.07243
8	0.9979	0.04053	0.9974	0.04561	0.9975	0.04488
9	0.9913	0.08366	0.9963	0.05455	0.9942	0.06867
10	0.9878	0.09983	0.9768	0.13717	0.9842	0.11365
11	0.9307	0.23846	0.8811	0.31325	0.9130	0.2675
12	0.9971	0.04746	0.9965	0.05272	0.9963	0.054845
13	0.9929	0.07504	0.9930	0.07517	0.9938	0.07096
14	0.9936	0.07182	0.9961	0.05521	0.9999	0.003274
15	0.9990	0.02865	0.9997	0.015582	0.9998	0.011989
16	0.9997	0.015365	0.9995	0.018834	0.9997	0.013734
17	0.9601	0.18014	0.9859	0.1062	0.9747	0.14355
18	0.9884	0.09662	0.9866	0.10421	0.9883	0.09751
19	-0.612	0.5801	-0.3369	0.7819	-0.6029	0.5888
20	0.9995	0.018222	0.9995	0.019168	0.9994	0.020435
21	0.9825	0.11858	0.9825	0.11903	0.9845	0.11136
22	0.9956	0.05964	0.9967	0.0511	0.9960	0.056034
23	0.9985	0.03396	0.9990	0.028685	0.9993	0.023743
24	0.9988	0.03005	0.9997	0.01227	0.9973	0.046114

Table S24: Table showing the average Pearson coefficient values for each patch of the colour chart between the set reference image and the photogrammetry image. The set is the Sun reconstruction in wide RGB space