

RBRC [1]	Uniform 8K	10 Exp. 1 Illum.	10 Exp. 2 Illum.	4 Exp. 4 Illum.	8 Exp. 4 Illum.	4 Exp. 6 Illum.	8 Exp. 6 Illum.
Canon_EOS_40D	2.56	10.10	5.87	4.13	4.11	3.61	3.02
Canon_G9	3.70	6.20	4.79	5.48	4.74	4.67	4.36
Canon_PowerShot_S90	3.24	4.52	4.04	4.34	3.70	3.93	3.50
FUJIFILM_J10	11.51	37.44	14.61	13.48	12.81	12.18	11.85
Galaxy_S_III	13.13	46.98	22.62	16.30	15.32	14.90	15.23
Nikon_D7000	4.03	10.03	6.48	5.39	5.04	4.95	4.26
Panasonic_DMC-LX3	3.65	8.70	7.98	4.56	4.26	4.14	3.80
Panasonic_DMC_LZ8	12.23	17.61	16.68	14.00	13.93	15.15	14.47

ProbRC [2]	Uniform 8K	10 Exp. 1 Illum.	10 Exp. 2 Illum.	4 Exp. 4 Illum.	8 Exp. 4 Illum.	4 Exp. 6 Illum.	8 Exp. 6 Illum.
Canon_EOS_40D	1.84	9.79	7.53	4.06	2.91	3.60	2.25
Canon_G9	2.17	6.51	3.41	3.09	2.79	3.12	2.77
Canon_PowerShot_S90	2.44	4.88	3.58	3.40	2.95	3.27	2.75
FUJIFILM_J10	10.43	34.25	15.26	13.91	12.23	11.62	11.00
Galaxy_S_III	11.34	45.94	19.96	14.11	14.76	15.19	13.61
Nikon_D7000	1.72	8.05	3.32	26.06	2.41	2.77	1.92
Panasonic_DMC-LX3	1.65	7.33	5.25	3.05	2.77	2.94	2.33
Panasonic_DMC_LZ8	8.85	19.40	11.77	11.88	10.78	14.64	13.57

IndPolyLUT ([3] + our LUT)	Uniform 8K	10 Exp. 1 Illum.	10 Exp. 2 Illum.	4 Exp. 4 Illum.	8 Exp. 4 Illum.	4 Exp. 6 Illum.	8 Exp. 6 Illum.
Canon_EOS_40D	4.11	9.78	7.45	30.73	4.70	4.87	3.93
Canon_G9	5.12	8.00	9.31	6.19	6.39	6.31	5.28
Canon_PowerShot_S90	3.57	4.54	4.30	4.60	4.03	4.18	3.80
FUJIFILM_J10	15.28	37.38	14.18	16.84	16.11	14.82	12.52
Galaxy_S_III	17.41	48.05	20.55	14.61	25.97	21.20	21.45
Nikon_D7000	7.83	29.72	30.99	25.29	6.36	5.90	4.84
Panasonic_DMC-LX3	5.34	9.06	5.44	7.39	6.07	8.53	5.90
Panasonic_DMC_LZ8	10.63	43.34	13.79	16.15	13.19	19.69	17.95

RBRC [1]	Uniform 8K	10 Exp. 1 Illum.	10 Exp. 2 Illum.	4 Exp. 4 Illum.	8 Exp. 4 Illum.	4 Exp. 6 Illum.	8 Exp. 6 Illum.
Canon_EOS_40D	0.060	0.072	0.072	0.064	0.065	0.063	0.063
Canon_G9	0.075	0.104	0.082	0.079	0.076	0.080	0.080
Canon_PowerShot_S90	0.052	0.058	0.057	0.074	0.059	0.058	0.055
FUJIFILM_J10	0.077	0.103	0.085	0.083	0.082	0.084	0.084
Galaxy_S_III	0.074	0.116	0.098	0.078	0.078	0.082	0.083
Nikon_D7000	0.090	0.123	0.108	0.098	0.094	0.101	0.097
Panasonic_DMC-LX3	0.058	0.072	0.071	0.063	0.060	0.064	0.061
Panasonic_DMC_LZ8	0.085	0.114	0.090	0.086	0.087	0.088	0.089

ProbRC [2]	Uniform 8K	10 Exp. 1 Illum.	10 Exp. 2 Illum.	4 Exp. 4 Illum.	8 Exp. 4 Illum.	4 Exp. 6 Illum.	8 Exp. 6 Illum.
Canon_EOS_40D	0.079	0.085	0.080	0.075	0.071	0.077	0.069
Canon_G9	0.126	0.143	0.120	0.120	0.121	0.126	0.126
Canon_PowerShot_S90	0.065	0.073	0.069	0.066	0.069	0.063	0.066
FUJIFILM_J10	0.279	0.134	0.120	0.122	0.124	0.125	0.212
Galaxy_S_III	0.114	0.151	0.119	0.106	0.105	0.108	0.106
Nikon_D7000	0.143	0.543	0.140	0.229	0.144	0.147	0.143
Panasonic_DMC-LX3	0.082	0.090	0.082	0.073	0.077	0.074	0.077
Panasonic_DMC_LZ8	0.146	0.107	0.129	0.122	0.121	0.132	0.133

IndPolyLUT ([3] + our LUT)	Uniform 8K	10 Exp. 1 Illum.	10 Exp. 2 Illum.	4 Exp. 4 Illum.	8 Exp. 4 Illum.	4 Exp. 6 Illum.	8 Exp. 6 Illum.
Canon_EOS_40D	0.258	0.077	0.256	0.264	0.256	0.067	0.259
Canon_G9	0.111	0.107	0.364	0.107	0.365	0.360	0.102
Canon_PowerShot_S90	0.193	0.072	0.273	0.242	0.240	0.241	0.241
FUJIFILM_J10	0.110	0.124	0.111	0.111	0.110	0.105	0.108
Galaxy_S_III	0.131	0.114	0.112	0.122	0.144	0.143	0.144
Nikon_D7000	0.382	0.221	0.389	0.378	0.151	0.140	0.140
Panasonic_DMC-LX3	0.099	0.109	0.102	0.322	0.320	0.322	0.101
Panasonic_DMC_LZ8	0.086	0.121	0.092	0.090	0.091	0.091	0.093

References:

- [1] Han Gong, Graham Finlayson, and Maryam Darrodi. Concise Radiometric Calibration Using The Power of Ranking. In British Machine Vision Conference, 2017
- [2] Ayan Chakrabarti, Ying Xiong, Baochen Sun, Trevor Darrell, Daniel Scharstein, Todd Zickler, and Kate Saenko. Modeling radiometric uncertainty for vision with tone-mapped color images. Transactions on pattern analysis and machine intelligence, 36 (11):2185–2198, 2014.
- [3] Ayan Chakrabarti, Daniel Scharstein, and Todd Zickler. An empirical camera model for internet color vision. In British Machine Vision Conference, 2009.