

Wichtigste Messwerte bei maximaler Helligkeit

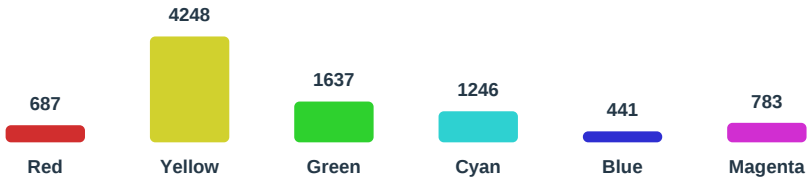
Je Soll-CCT und RGB-Hue wird die höchste vorhandene Helligkeitsstufe gezeigt. $EV = \log_2(2 \times \text{Lux} / 5)$.
Duv, CRI/R9, SSI und TM-30 werden bei gesättigten RGB-Farben nicht ausgewiesen, da sie dort nicht aussagekräftig sind.

Typ	Soll-CCT / Hue	Stufe	Lux	EV	CCT Ist / Hue Ist	Duv	CRI Ra	R9	SSI	TM-30 Rf	TM-30 Rg	Quelle
Weiß	2700 K	100%	2880	10.17	2807 K	-0.00338	98.1	99.0	-	-	-	OHS-172825.csv
Weiß	3200 K	100%	4623	10.85	3229 K	-0.00263	98.5	98.0	91.0	97.0	102.0	OHS-172845.csv
Weiß	5500 K	100%	4657	10.86	5509 K	-0.00218	98.0	98.0	86.0	97.0	101.0	OHS-172901.csv
Weiß	6500 K	100%	4487	10.81	6619 K	0.00066	97.9	92.0	84.0	96.0	100.0	OHS-172916.csv
Weiß	10000 K	100%	4007	10.65	10429 K	0.00253	98.5	96.0	-	-	-	OHS-172932.csv
Red	0.0 deg	100%	687	8.10	0.0 deg	-	-	-	-	-	-	OHS-173824.csv
Yellow	60.0 deg	100%	4248	10.73	62.5 deg	-	-	-	-	-	-	OHS-173835.csv
Green	120.0 deg	100%	1637	9.35	120.0 deg	-	-	-	-	-	-	OHS-173847.csv
Cyan	180.0 deg	100%	1246	8.96	178.0 deg	-	-	-	-	-	-	OHS-173858.csv
Blue	240.0 deg	100%	441	7.46	256.1 deg	-	-	-	-	-	-	OHS-173908.csv
Magenta	300.0 deg	100%	783	8.29	310.4 deg	-	-	-	-	-	-	OHS-173923.csv

Weißlicht-Helligkeit bei 100 % über alle CCTs



RGB-Helligkeit bei 100 % über alle Farben



Helligkeit mit allen Reflektoren

Reflektor	Soll-CCT	Stufe	Lux	EV	CCT Ist	Duv	CRI Ra	R9	Quelle
BDR-W55	5500 K	100%	1440	9.17	5643 K	0.00257	96.7	85.0	OHS-173137.csv
Kit-Reflektor	5500 K	100%	11417	12.16	5447 K	-0.00180	98.4	98.0	OHS-173307.csv
Standardreflektor	5500 K	100%	19402	12.92	5622 K	-0.00123	98.0	95.0	OHS-173041.csv

TOTAL

73.6

FARBE

83.3

POWER

74.5

USABILITY

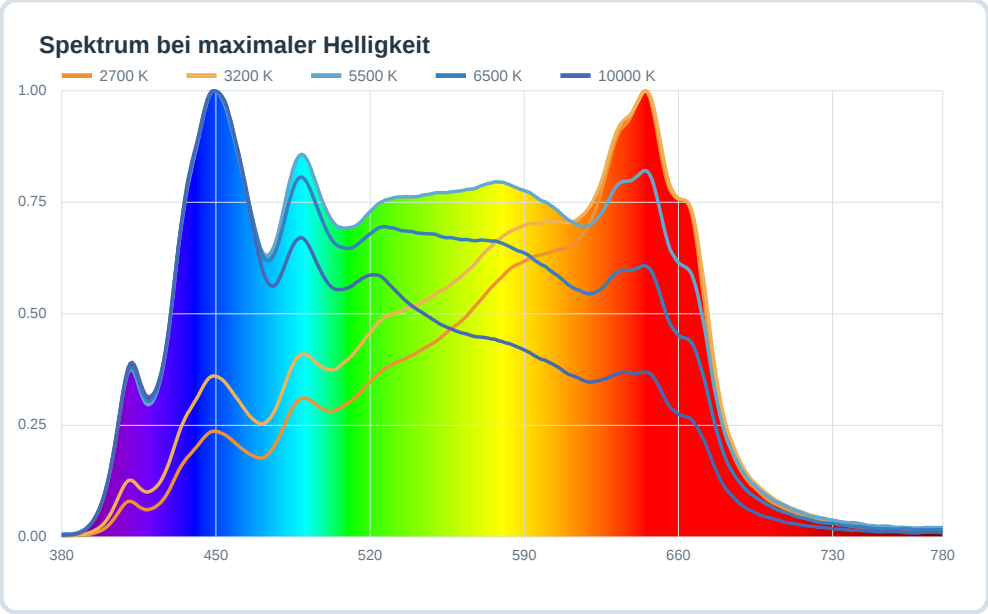
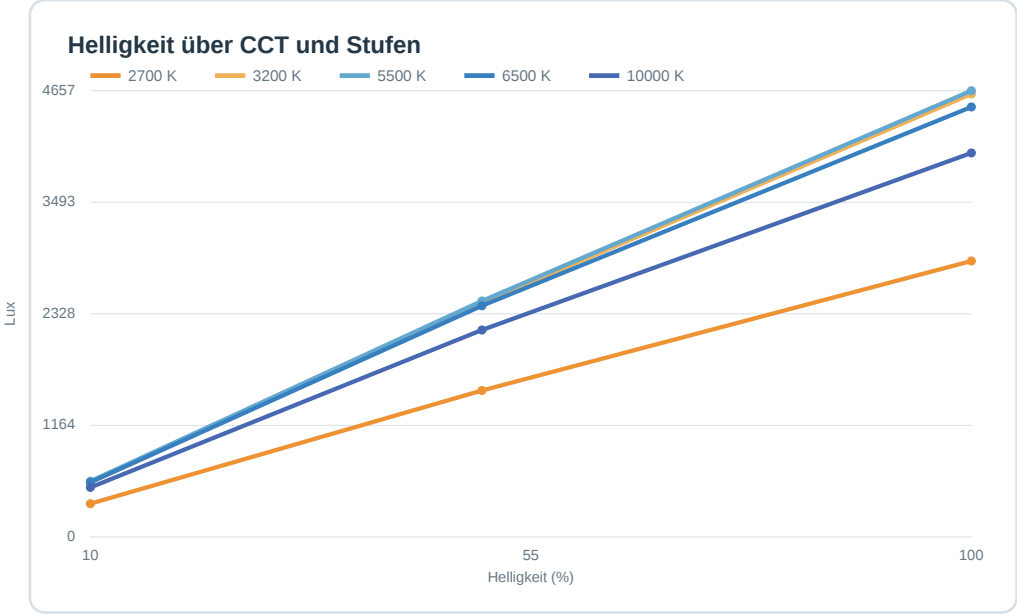
73.1

RGB

63.5

Leuchte	Wert	Test	Wert
LED-Typ	RGB	Leistung	165.0 W
Testdatum	2026-07-30	Distanz	1.00 m
Modifier	Lab-Standard	Modus	Linear (aktuell)
RGB im Total	Ja	Messungen	36

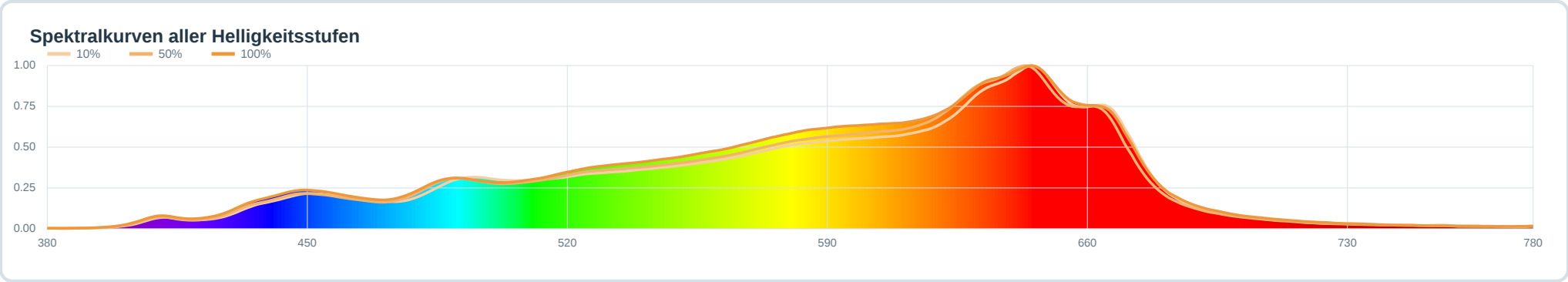
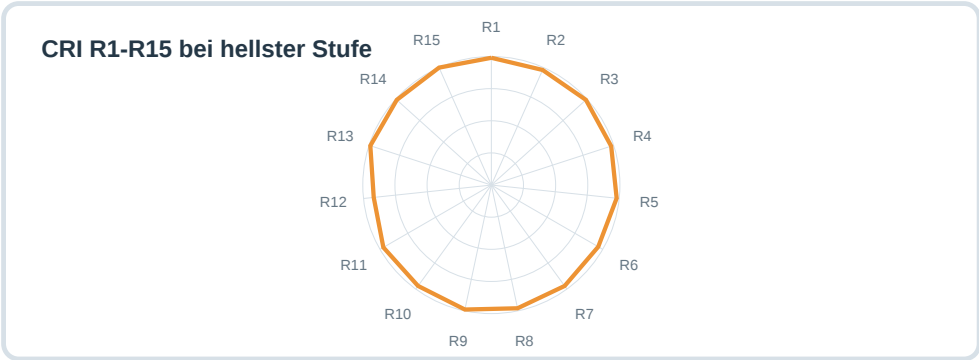
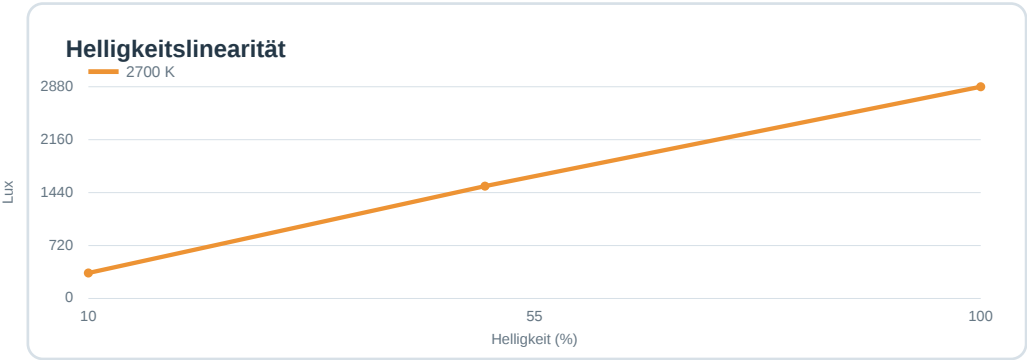
Soll-CCT	Max Lux	CCT Ist	Duv	Ra	SSI	Rf	Rg
2700 K	2880	2807	-0.00338	98.1	-	-	-
3200 K	4623	3229	-0.00263	98.5	91.0	97.0	102.0
5500 K	4657	5509	-0.00218	98.0	86.0	97.0	101.0
6500 K	4487	6619	0.00066	97.9	84.0	96.0	100.0
10000 K	4007	10429	0.00253	98.5	-	-	-



Stufe	Lux	CCT Ist	Duv	SDCM	Ra	R9	Peak
10%	347	2789 K	-0.00414	2.36	94.5	81.0	645 nm
50%	1528	2754 K	-0.00401	3.84	95.9	90.0	643 nm
100%	2880	2807 K	-0.00338	2.42	98.1	99.0	645 nm

Farbmetric	Wert
SSI	-
TM-30 Rf	-
TM-30 Rg	-
Messungen	3

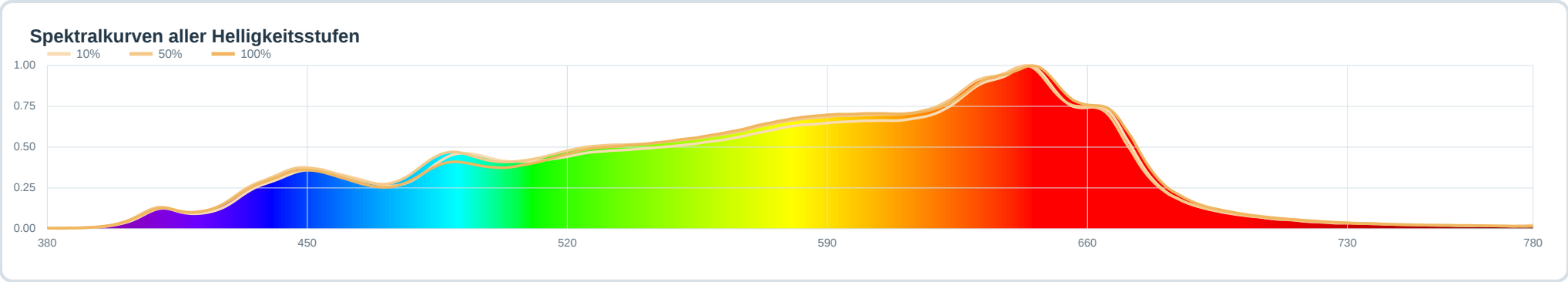
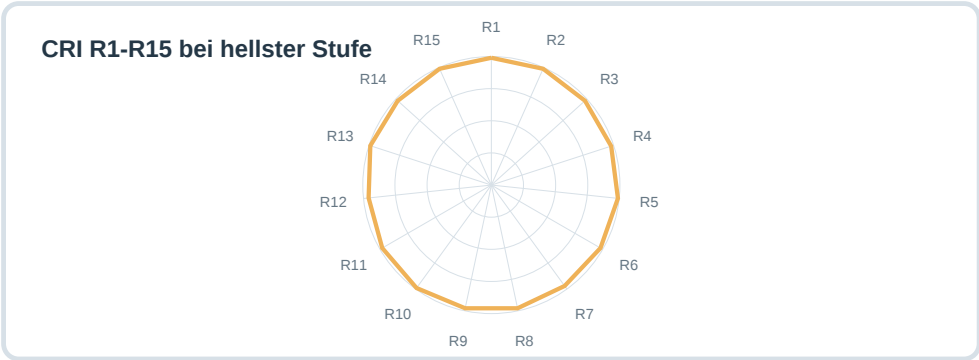
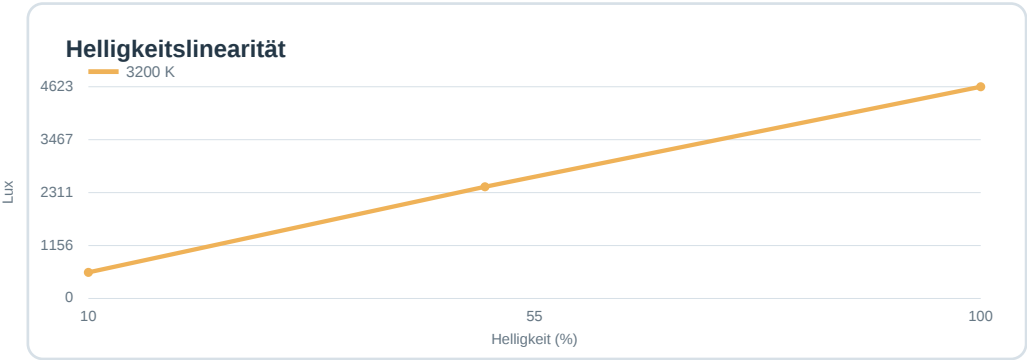
Prüfung	Wert
Hellste Stufe	100%
CCT-Abweichung	107 K
Mired-Abweichung	14.12
Quelle	OHS-172825.csv



Stufe	Lux	CCT Ist	Duv	SDCM	Ra	R9	Peak
10%	570	3294 K	-0.00325	5.64	96.5	90.0	644 nm
50%	2439	3330 K	-0.00274	4.60	97.7	96.0	643 nm
100%	4623	3229 K	-0.00263	6.91	98.5	98.0	645 nm

Farbmetric	Wert
SSI	91.0
TM-30 Rf	97.0
TM-30 Rg	102.0
Messungen	3

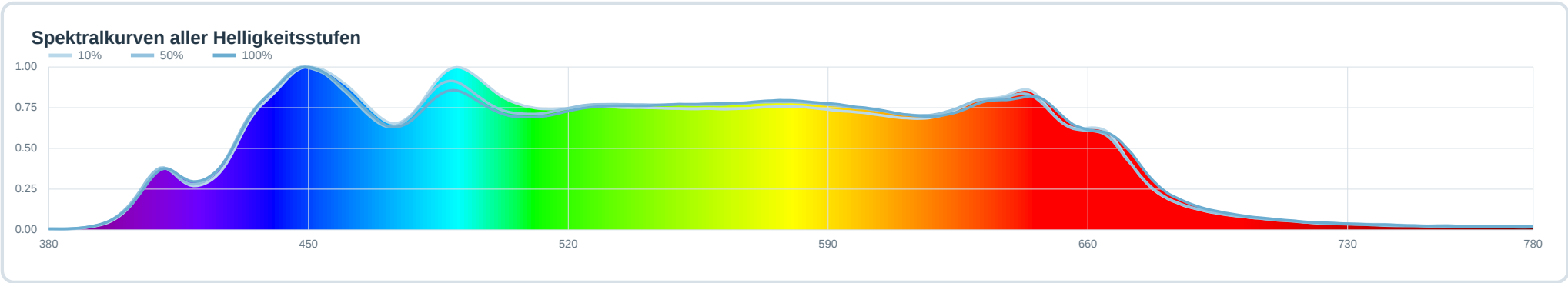
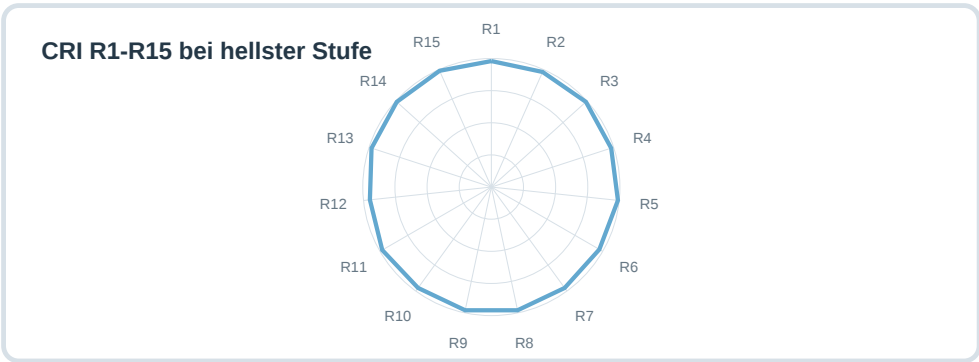
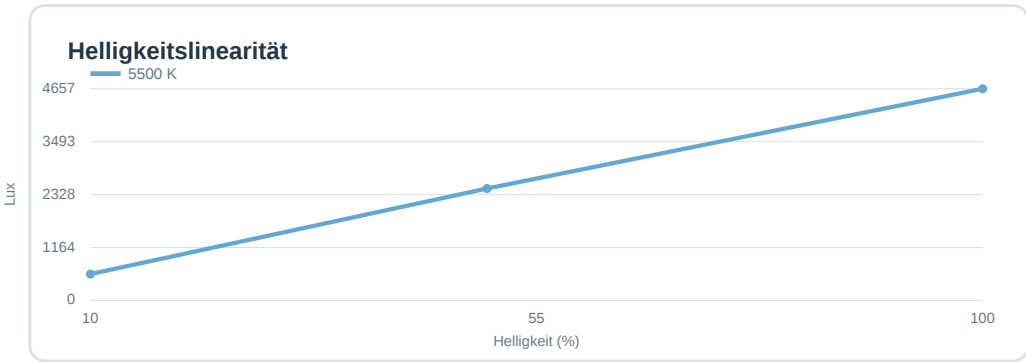
Prüfung	Wert
Hellste Stufe	100%
CCT-Abweichung	29 K
Mired-Abweichung	2.81
Quelle	OHS-172845.csv



Stufe	Lux	CCT Ist	Duv	SDCM	Ra	R9	Peak
10%	581	5783 K	-0.00042	3.58	96.3	88.0	450 nm
50%	2462	5575 K	-0.00122	4.47	98.2	99.0	449 nm
100%	4657	5509 K	-0.00218	6.01	98.0	98.0	450 nm

Farbmietrik	Wert
SSI	86.0
TM-30 Rf	97.0
TM-30 Rg	101.0
Messungen	3

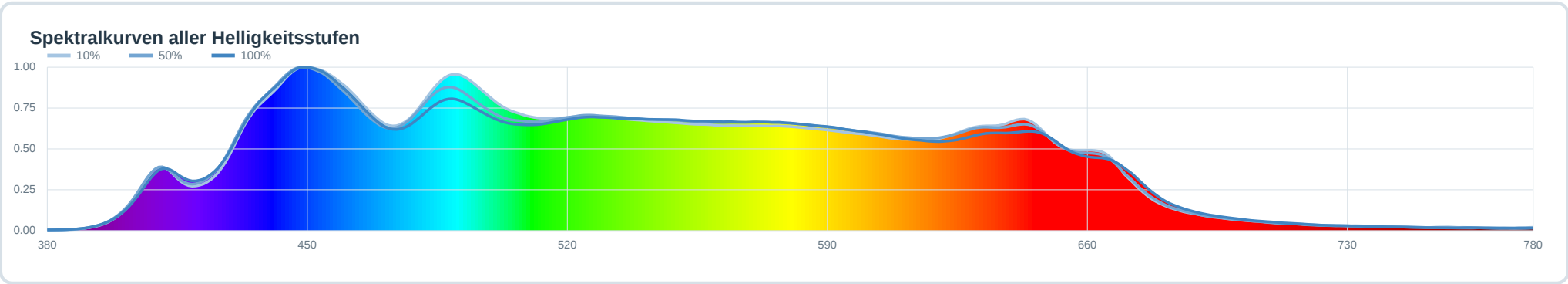
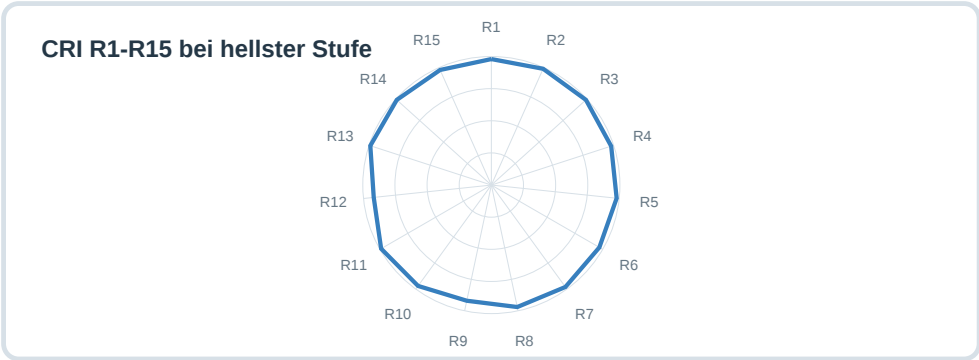
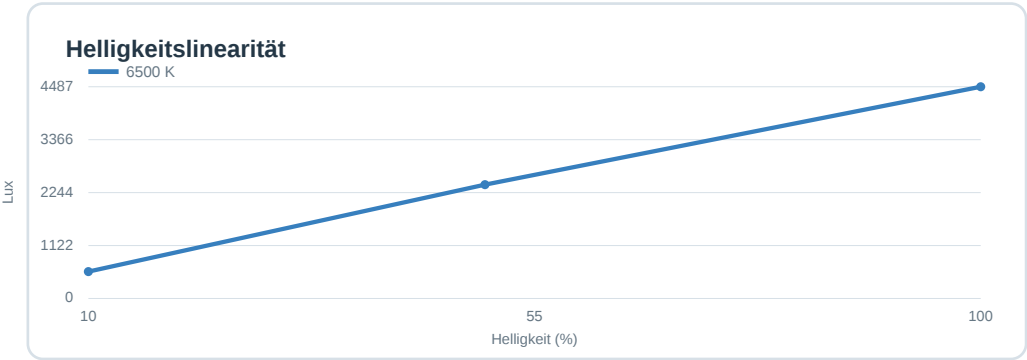
Prüfung	Wert
Hellste Stufe	100%
CCT-Abweichung	9 K
Mired-Abweichung	0.30
Quelle	OHS-172901.csv



Stufe	Lux	CCT Ist	Duv	SDCM	Ra	R9	Peak
10%	570	6819 K	0.00169	3.42	96.6	89.0	450 nm
50%	2412	6600 K	0.00080	2.87	98.6	99.0	449 nm
100%	4487	6619 K	0.00066	3.09	97.9	92.0	450 nm

Farbmietrik	Wert
SSI	84.0
TM-30 Rf	96.0
TM-30 Rg	100.0
Messungen	3

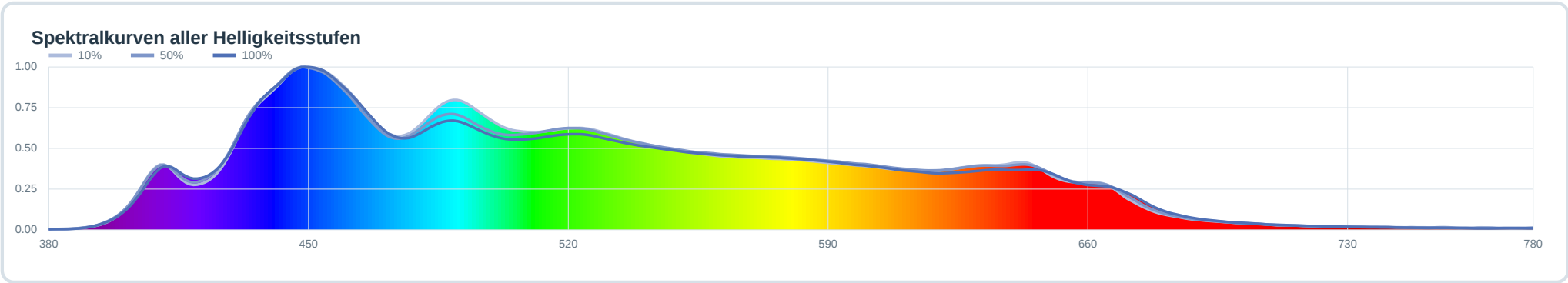
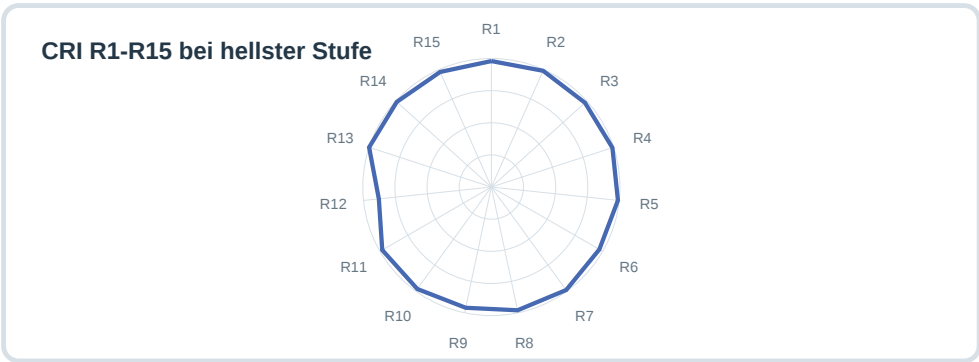
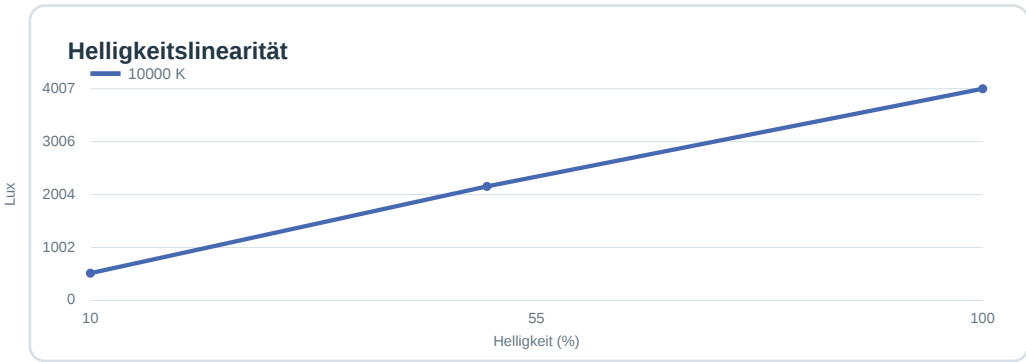
Prüfung	Wert
Hellste Stufe	100%
CCT-Abweichung	119 K
Mired-Abweichung	2.77
Quelle	OHS-172916.csv



Stufe	Lux	CCT Ist	Duv	SDCM	Ra	R9	Peak
10%	516	10405 K	0.00584	26.64	98.4	99.0	449 nm
50%	2159	9989 K	0.00410	24.38	99.2	98.0	449 nm
100%	4007	10429 K	0.00253	25.78	98.5	96.0	450 nm

Farbmetric	Wert
SSI	-
TM-30 Rf	-
TM-30 Rg	-
Messungen	3

Prüfung	Wert
Hellste Stufe	100%
CCT-Abweichung	429 K
Mired-Abweichung	4.11
Quelle	OHS-172932.csv

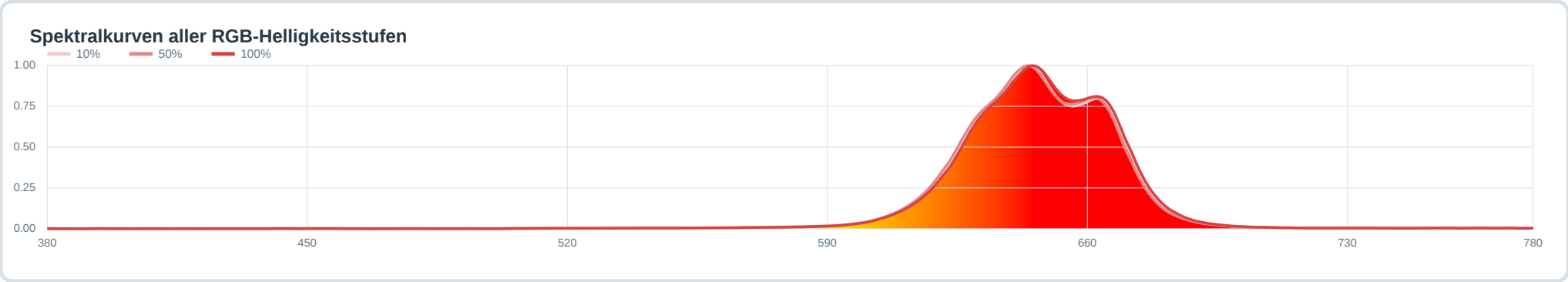
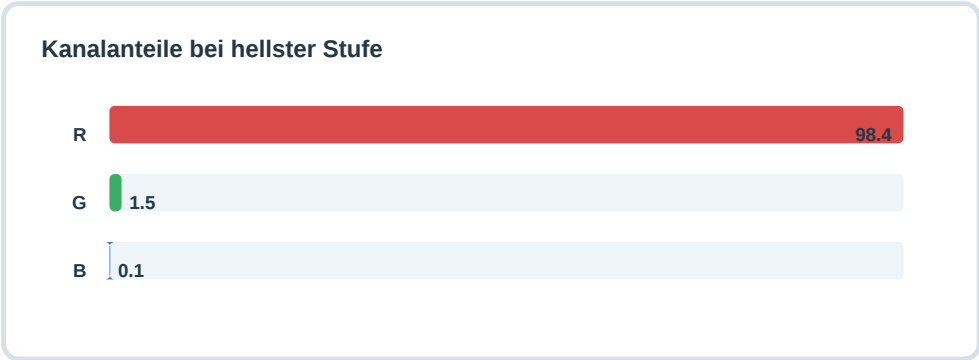
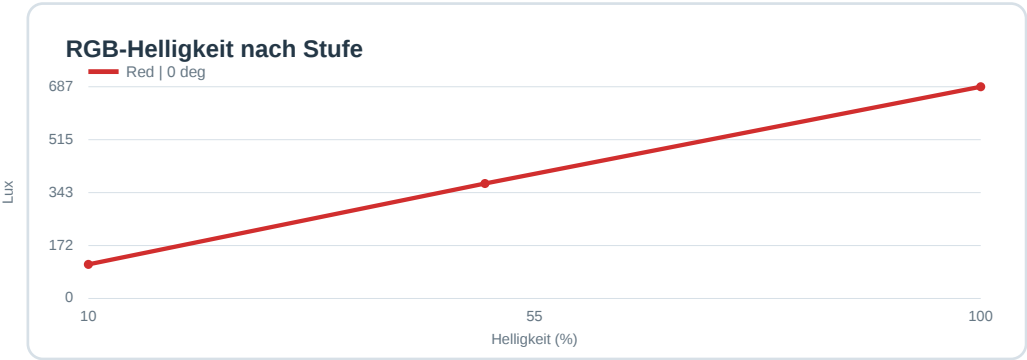




Red | 0 deg

Hue: 0.0 deg | Sättigung:

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	111	1000	-0.03861	624 nm	98.6%	644 nm	98/2/0
50%	373	1000	-0.04001	625 nm	98.6%	644 nm	98/2/0
100%	687	1000	-0.04053	625 nm	99.1%	645 nm	98/2/0

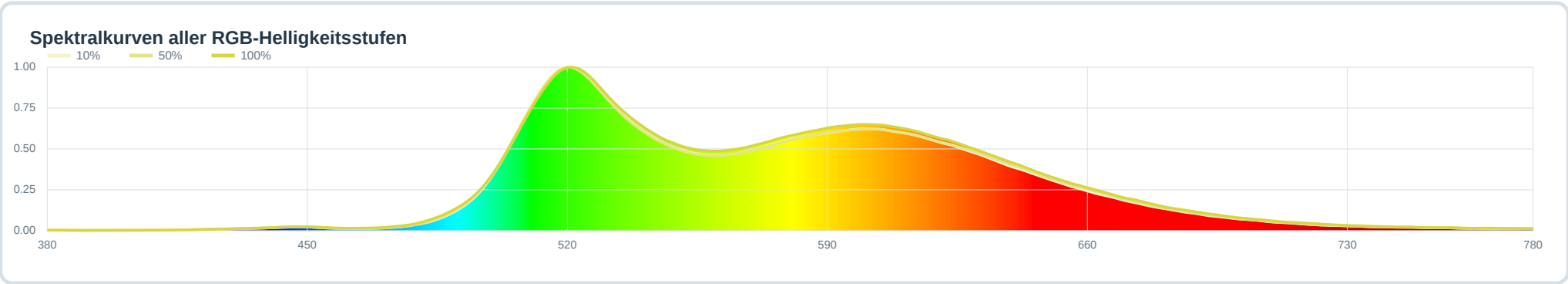
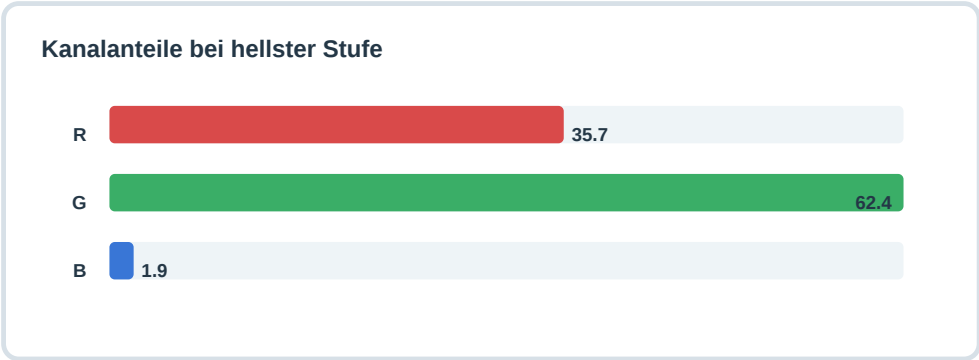
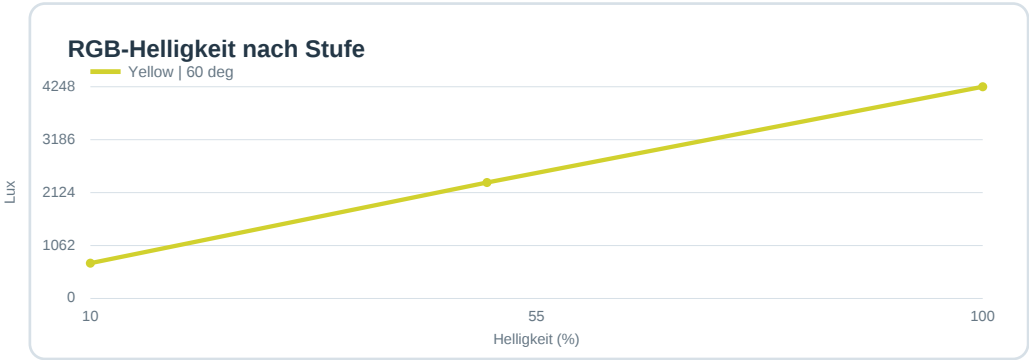


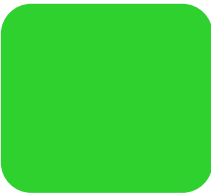


Yellow | 60 deg

Hue: 60.0 deg | Sättigung

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	708	4056	0.04858	568 nm	85.5%	520 nm	35/63/2
50%	2326	4043	0.04799	569 nm	85.2%	520 nm	35/63/2
100%	4248	4006	0.04688	569 nm	85.3%	521 nm	36/62/2

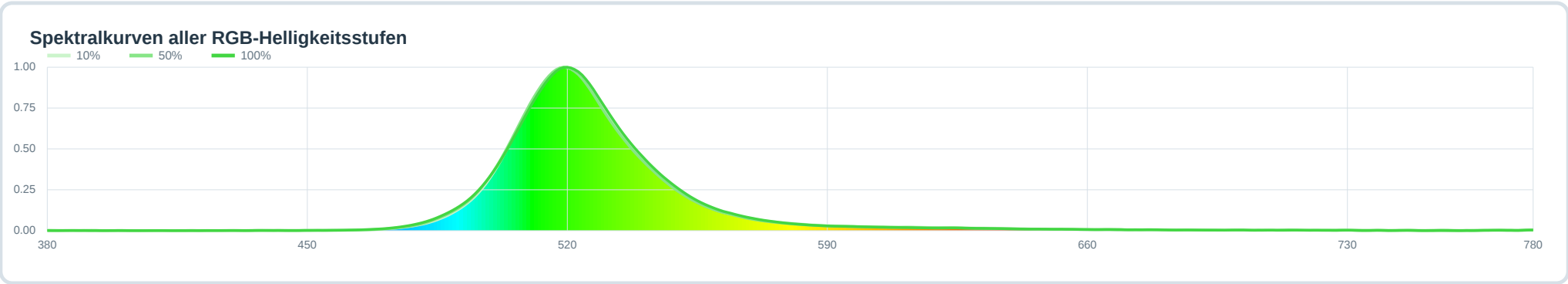
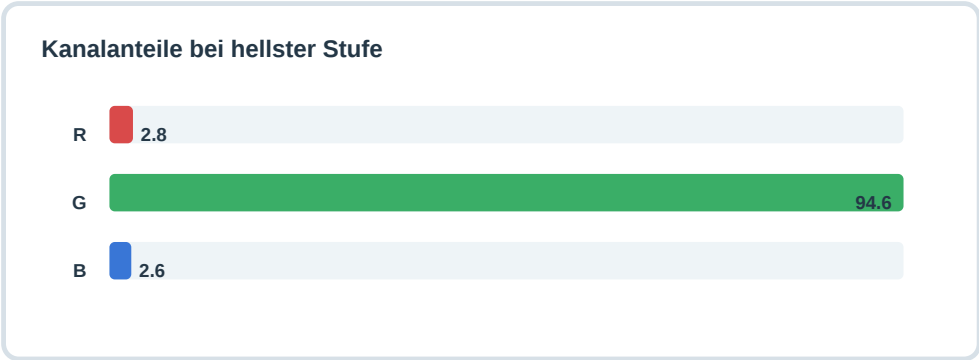
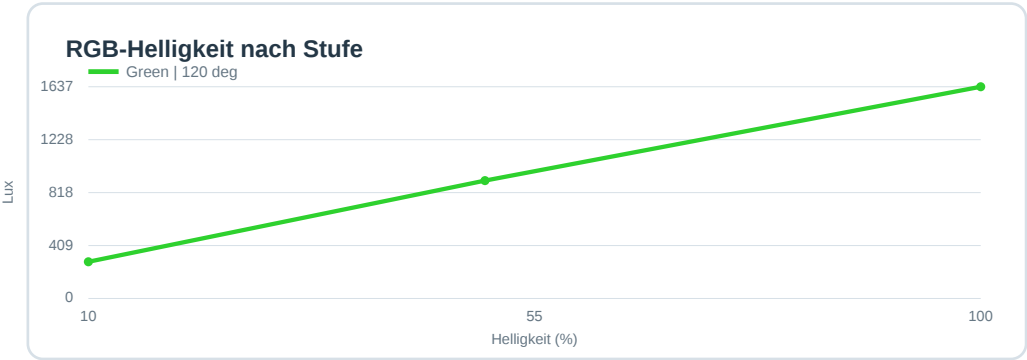




Green | 120 deg

Hue: 120.0 deg | Sättigung

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	284	7712	0.15219	528 nm	77.7%	519 nm	3/94/2
50%	911	7789	0.15326	527 nm	77.3%	519 nm	3/94/2
100%	1637	7768	0.15232	528 nm	77.3%	520 nm	3/95/3

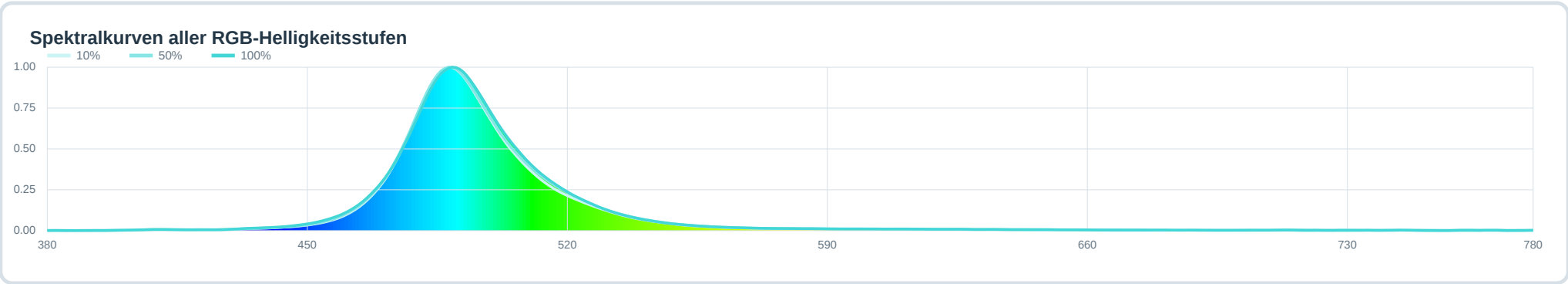
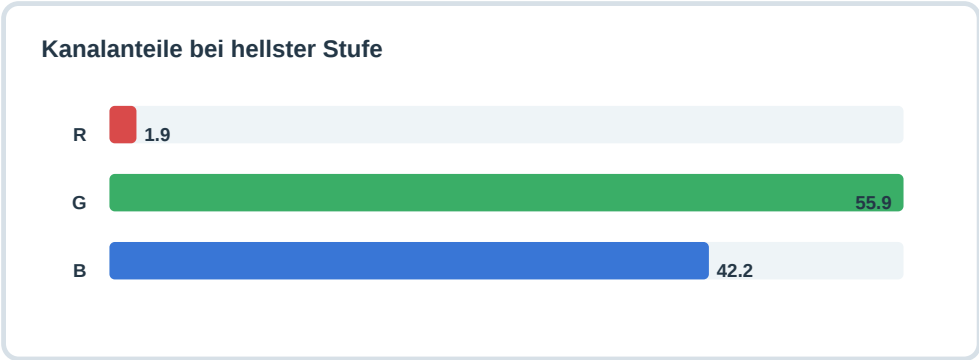
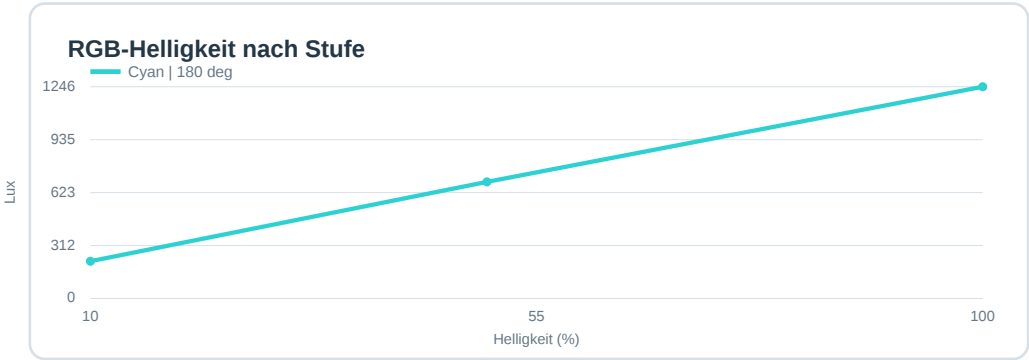




Cyan | 180 deg

Hue: 180.0 deg | Sättigung

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	219	100000	0.12351	492 nm	77.3%	488 nm	2/55/44
50%	686	86964	0.12345	492 nm	76.7%	489 nm	2/55/43
100%	1246	85215	0.12383	492 nm	76.7%	490 nm	2/56/42

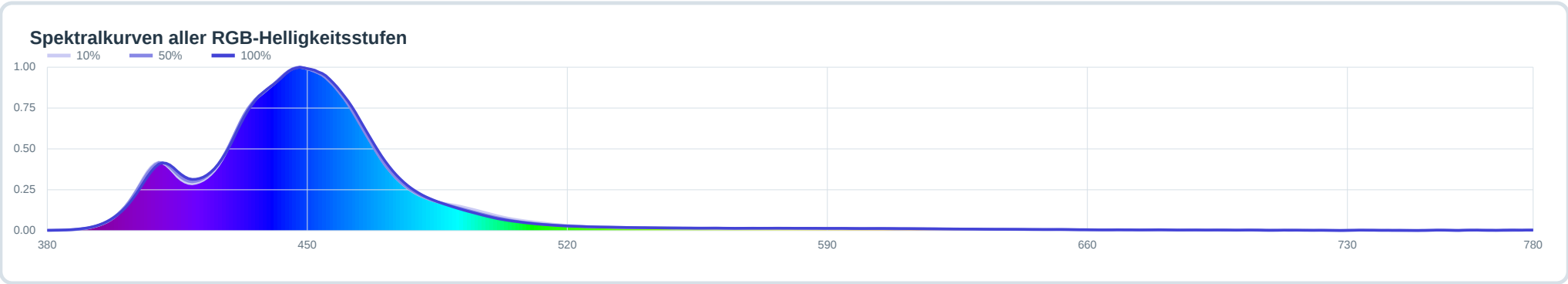
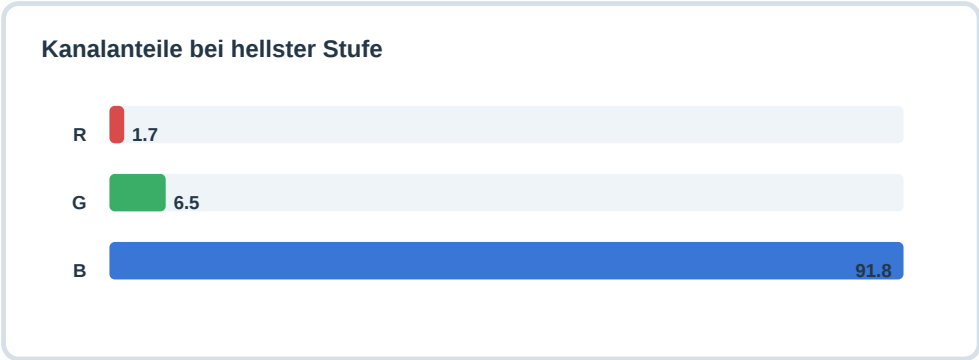
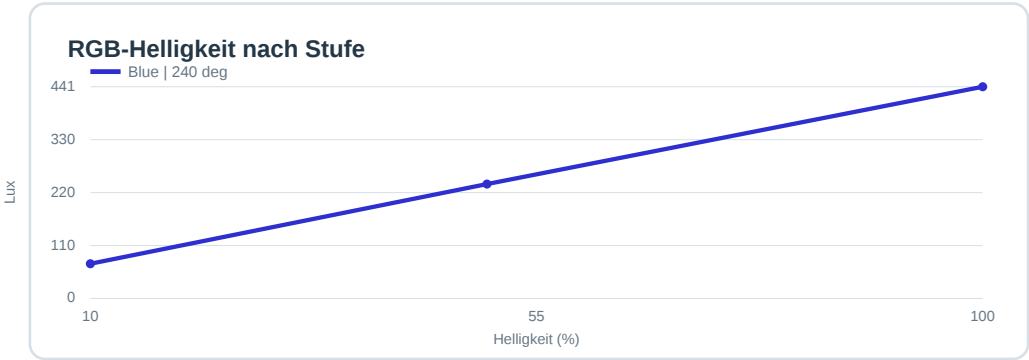




Blue | 240 deg

Hue: 240.0 deg | Sättigung

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	72	100000	-0.05489	459 nm	92.8%	449 nm	2/7/91
50%	238	100000	-0.05708	459 nm	93.0%	449 nm	2/7/92
100%	441	100000	-0.05695	459 nm	92.9%	449 nm	2/6/92

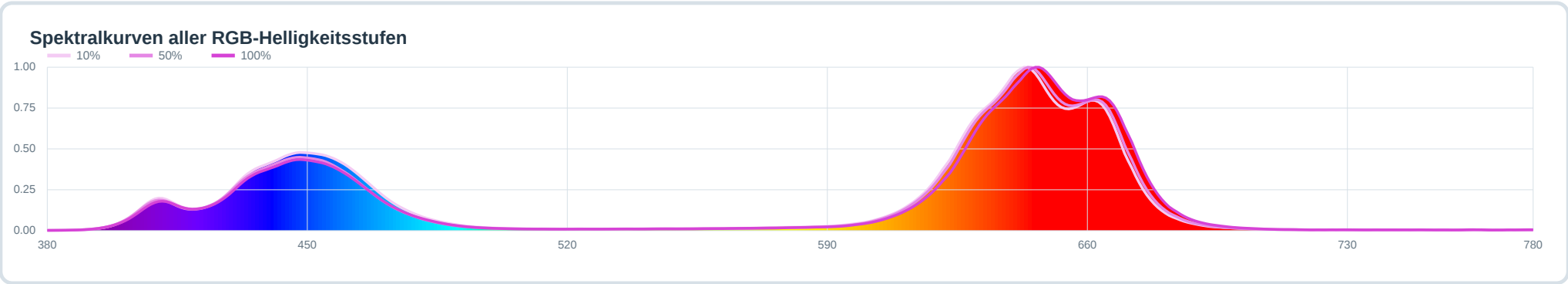
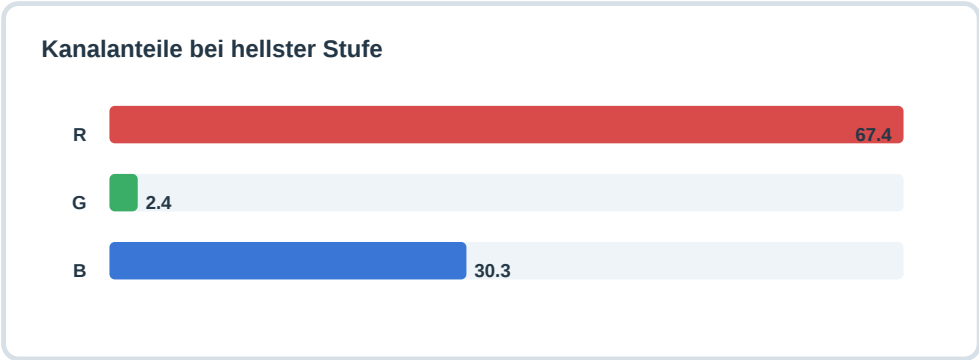
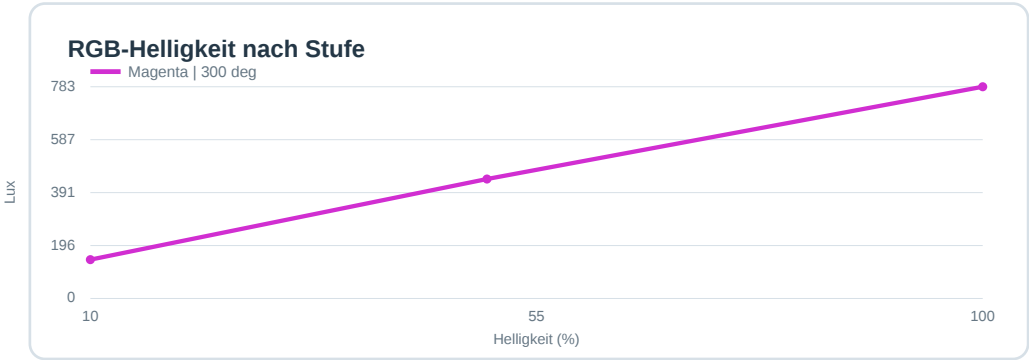




Magenta | 300 deg

Hue: 300.0 deg | Sättigung

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	144	1360	-0.14224	543 nm	46.8%	643 nm	64/3/33
50%	442	1311	-0.13910	540 nm	44.2%	644 nm	66/2/31
100%	783	1320	-0.14038	541 nm	45.1%	646 nm	67/2/30



Reflektor	CCT Soll	Lux	EV	CCT Ist	Duv	Quelle
BDR-W55	5500 K	1440	9.17	5643 K	0.00257	OHS-173137.csv
Kit-Reflektor	5500 K	11417	12.16	5447 K	-0.00180	OHS-173307.csv
Standardreflektor	5500 K	19402	12.92	5622 K	-0.00123	OHS-173041.csv

Max EV je Reflektor

