

Wichtigste Messwerte bei maximaler Helligkeit

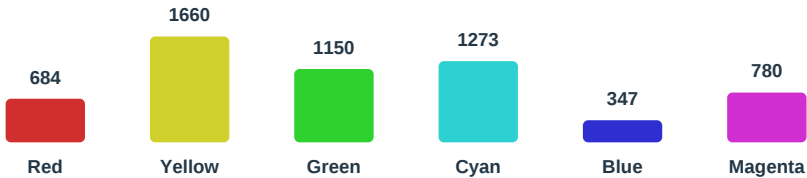
Je Soll-CCT und RGB-Hue wird die höchste vorhandene Helligkeitsstufe gezeigt. $EV = \log_2(2 \times \text{Lux} / 5)$.
Duv, CRI/R9, SSI und TM-30 werden bei gesättigten RGB-Farben nicht ausgewiesen, da sie dort nicht aussagekräftig sind.

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%	4521	10.82	2785 K	0.00040	97.0	98.0	-	-	-	OHS-080957.csv
Weiß	3200 K	100%	5447	11.09	3320 K	-0.00416	96.6	96.0	82.0	95.0	104.0	OHS-081017.csv
Weiß	5500 K	100%	5958	11.22	5625 K	-0.00356	94.8	86.0	74.0	94.0	105.0	OHS-081048.csv
Weiß	6500 K	100%	5950	11.22	6630 K	-0.00390	94.7	84.0	71.0	93.0	104.0	OHS-081125.csv
Weiß	10000 K	100%	4712	10.88	10777 K	-0.00418	95.3	89.0	-	-	-	OHS-081158.csv
Red	0.0 deg	100%	684	8.10	0.0 deg	-	-	-	-	-	-	OHS-082046.csv
Yellow	60.0 deg	100%	1660	9.37	70.6 deg	-	-	-	-	-	-	OHS-082131.csv
Green	120.0 deg	100%	1150	8.85	126.1 deg	-	-	-	-	-	-	OHS-082157.csv
Cyan	180.0 deg	100%	1273	8.99	177.9 deg	-	-	-	-	-	-	OHS-082242.csv
Blue	240.0 deg	100%	347	7.11	247.7 deg	-	-	-	-	-	-	OHS-082320.csv
Magenta	300.0 deg	100%	780	8.29	308.1 deg	-	-	-	-	-	-	OHS-082406.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
Keine Reflektormessung	-	-	-	-	-	-	-	-	-

TOTAL

90.3

FARBE

80.1

POWER

78.9

USABILITY

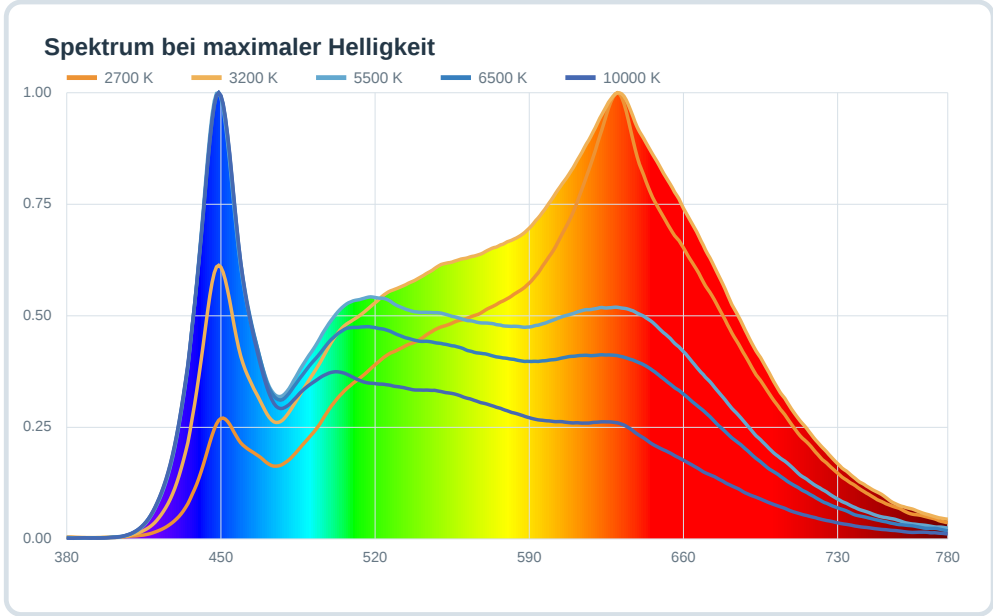
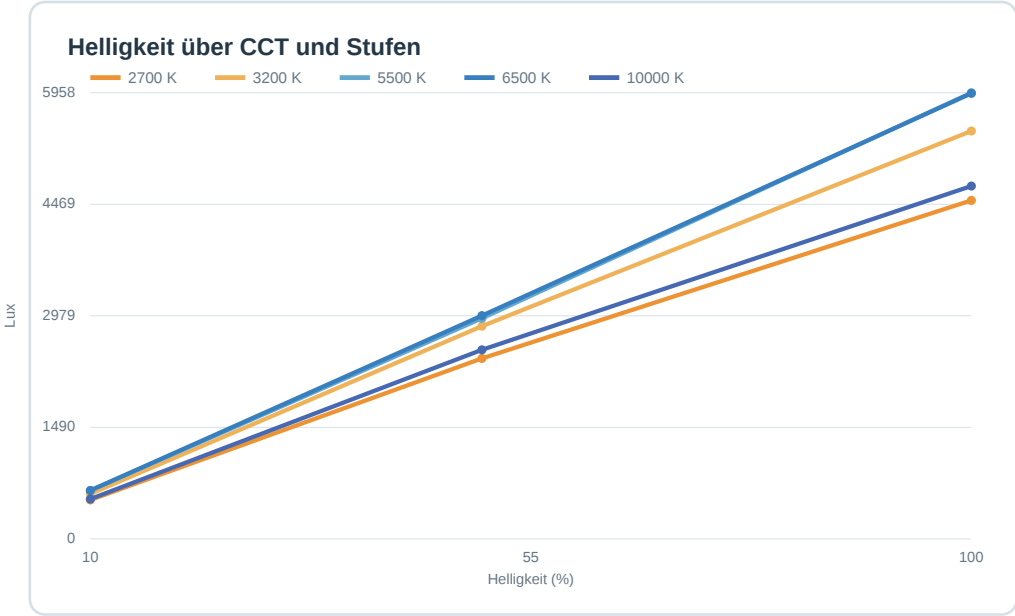
67.2

RGB

135.0

Leuchte	Wert	Test	Wert
LED-Typ	RGB	Leistung	60.0 W
Testdatum	2026-09-11	Distanz	1.00 m
Modifier	Lab-Standard	Modus	Linear (aktuell)
RGB im Total	Ja	Messungen	33

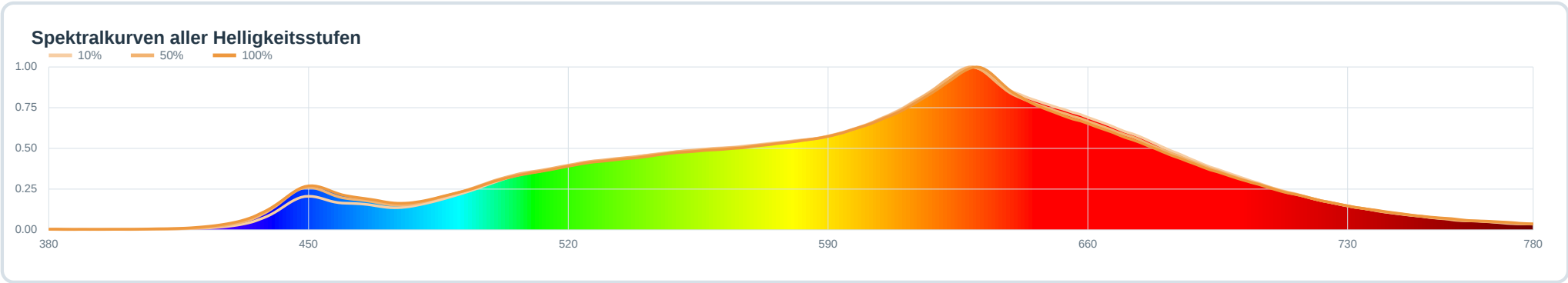
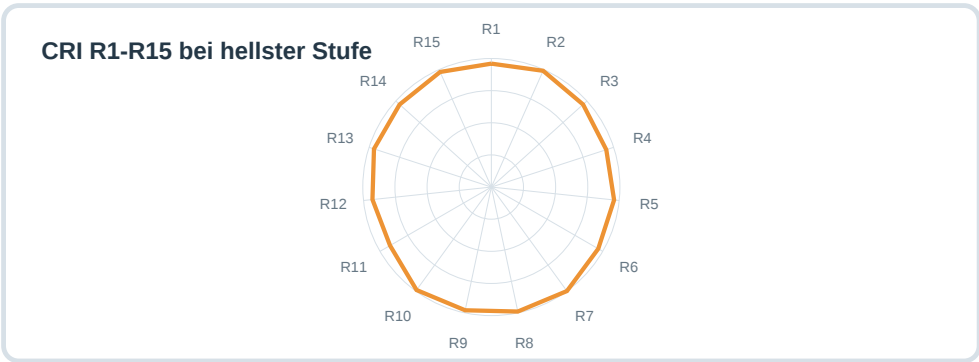
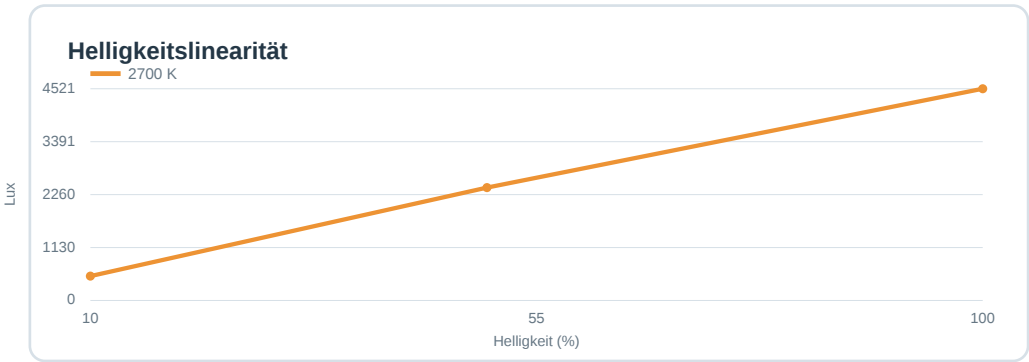
Soll-CCT	Max Lux	CCT Ist	Duv	Ra	SSI	Rf	Rg
2700 K	4521	2785	0.00040	97.0	-	-	-
3200 K	5447	3320	-0.00416	96.6	82.0	95.0	104.0
5500 K	5958	5625	-0.00356	94.8	74.0	94.0	105.0
6500 K	5950	6630	-0.00390	94.7	71.0	93.0	104.0
10000 K	4712	10777	-0.00418	95.3	-	-	-



Stufe	Lux	CCT Ist	Duv	SDCM	Ra	R9	Peak
10%	520	2729 K	0.00422	1.50	97.3	96.0	628 nm
50%	2410	2785 K	0.00183	2.88	97.1	97.0	629 nm
100%	4521	2785 K	0.00040	2.62	97.0	98.0	630 nm

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

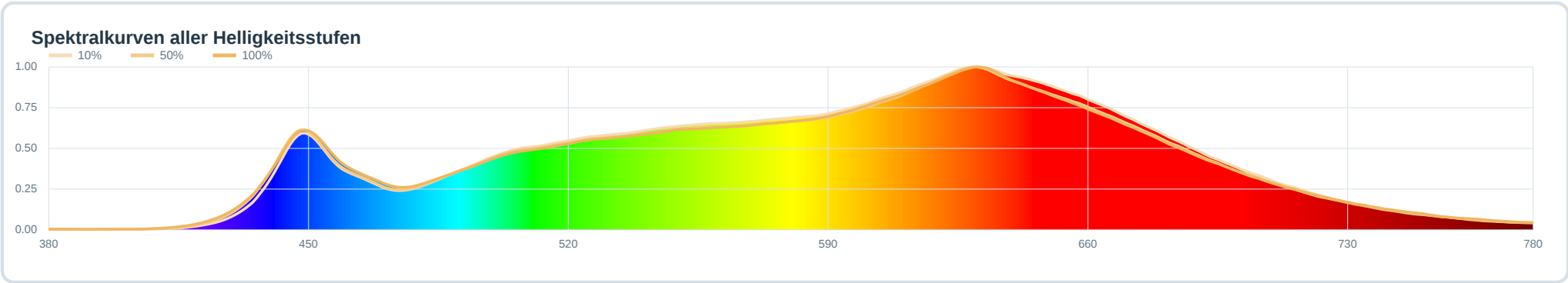
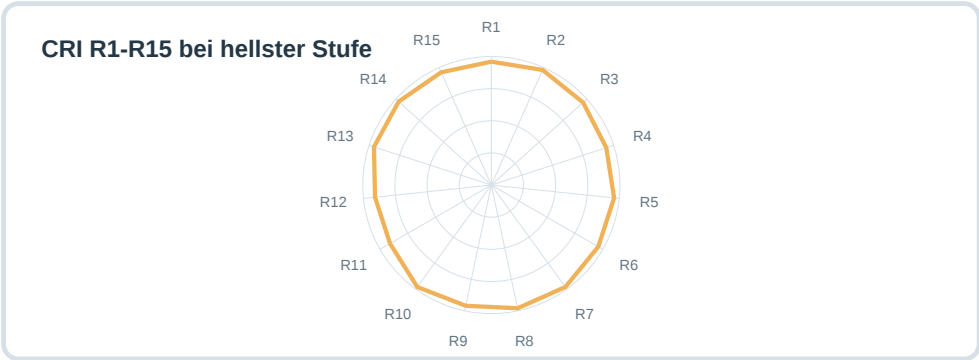
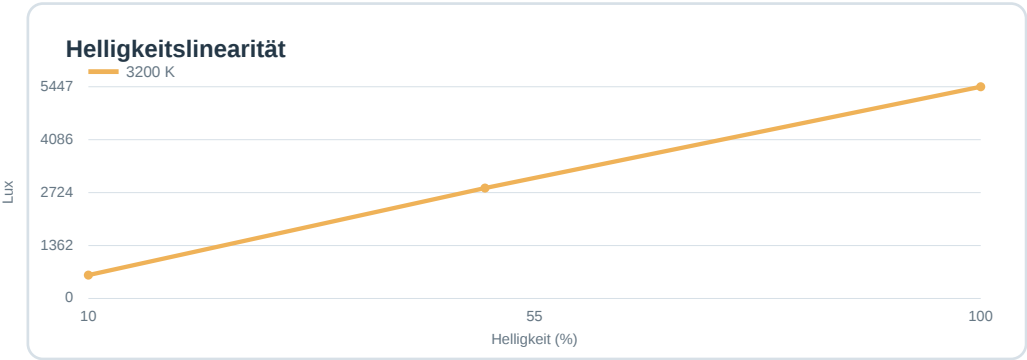
Prüfung	Wert
Hellste Stufe	100%
CCT-Abweichung	85 K
Mired-Abweichung	11.30
Quelle	OHS-080957.csv



Stufe	Lux	CCT Ist	Duv	SDCM	Ra	R9	Peak
10%	601	3285 K	-0.00099	4.86	97.7	98.0	629 nm
50%	2841	3323 K	-0.00301	4.93	96.8	96.0	630 nm
100%	5447	3320 K	-0.00416	5.88	96.6	96.0	630 nm

Farbmetric	Wert
SSI	82.0
TM-30 Rf	95.0
TM-30 Rg	104.0
Messungen	3

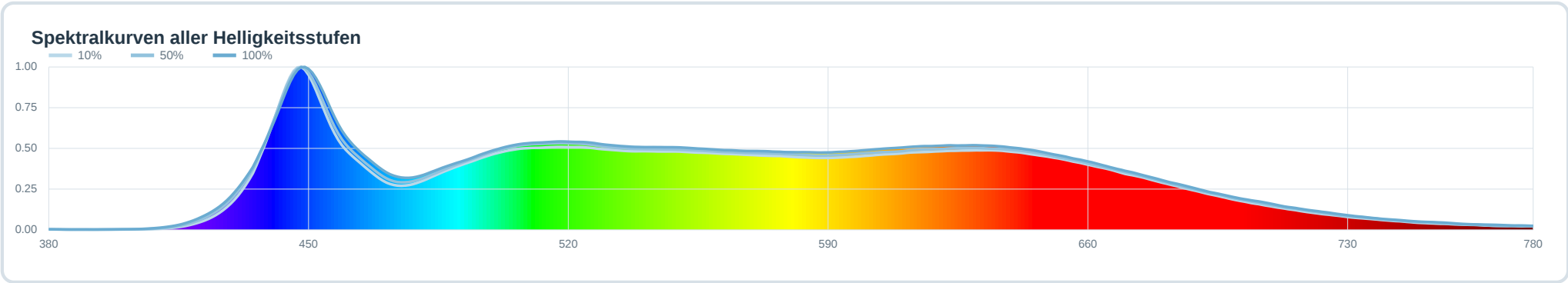
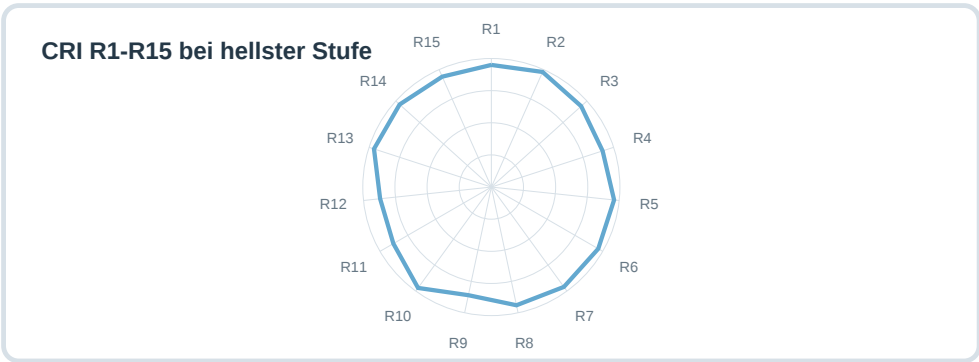
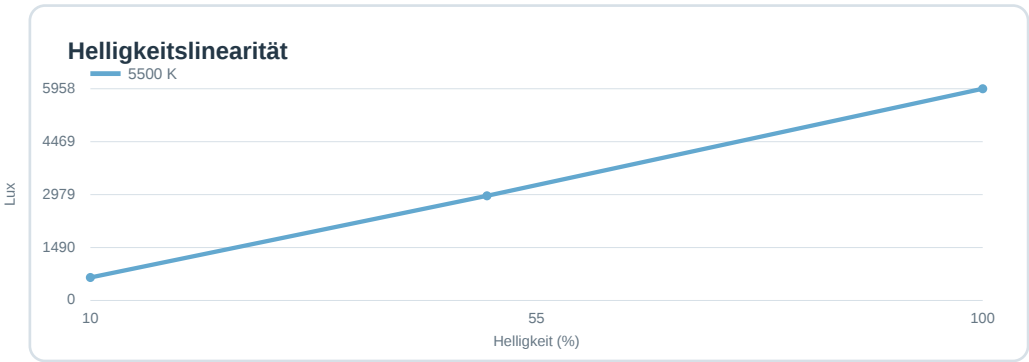
Prüfung	Wert
Hellste Stufe	100%
CCT-Abweichung	120 K
Mired-Abweichung	11.30
Quelle	OHS-081017.csv



Stufe	Lux	CCT Ist	Duv	SDCM	Ra	R9	Peak
10%	647	5569 K	-0.00263	6.23	94.8	87.0	448 nm
50%	2946	5619 K	-0.00260	6.03	94.9	87.0	448 nm
100%	5958	5625 K	-0.00356	7.24	94.8	86.0	449 nm

Farbmietrik	Wert
SSI	74.0
TM-30 Rf	94.0
TM-30 Rg	105.0
Messungen	3

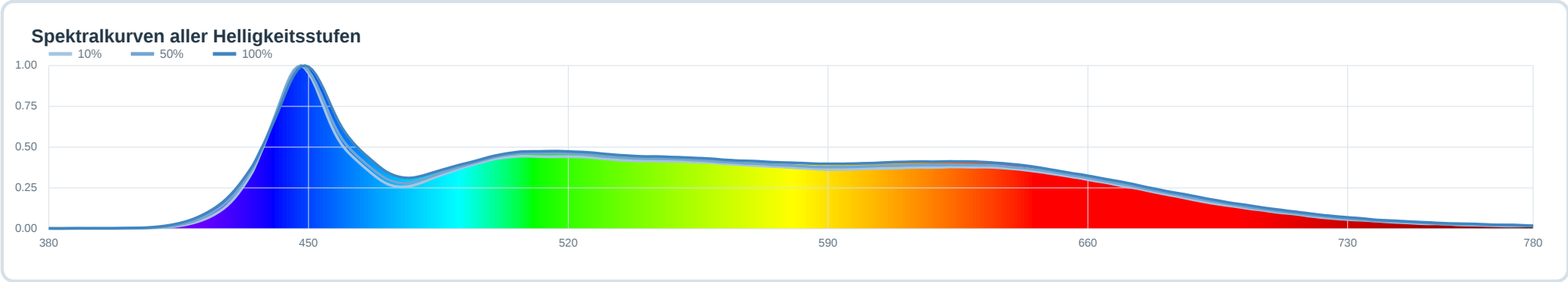
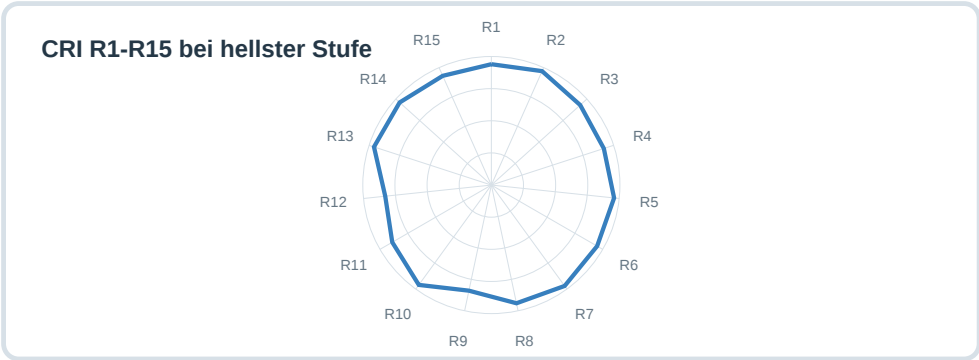
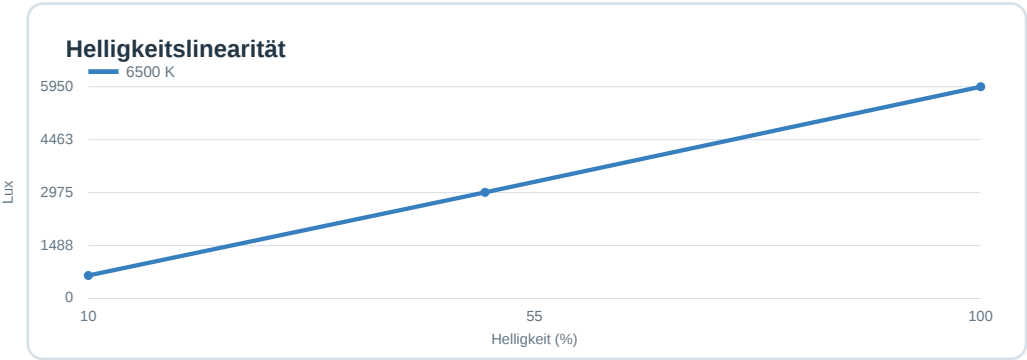
Prüfung	Wert
Hellste Stufe	100%
CCT-Abweichung	125 K
Mired-Abweichung	4.04
Quelle	OHS-081048.csv



Stufe	Lux	CCT Ist	Duv	SDCM	Ra	R9	Peak
10%	647	6587 K	-0.00269	7.23	94.8	88.0	448 nm
50%	2982	6622 K	-0.00279	7.37	94.9	87.0	448 nm
100%	5950	6630 K	-0.00390	8.74	94.7	84.0	449 nm

Farbmietrik	Wert
SSI	71.0
TM-30 Rf	93.0
TM-30 Rg	104.0
Messungen	3

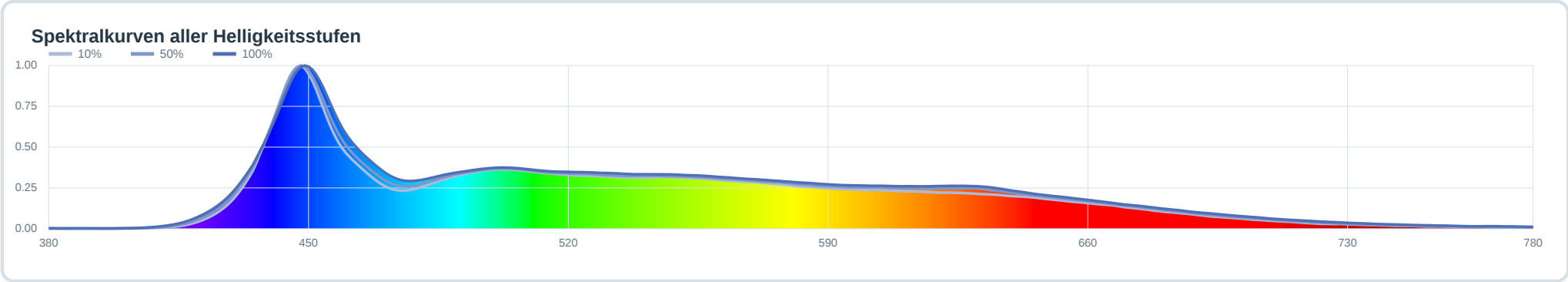
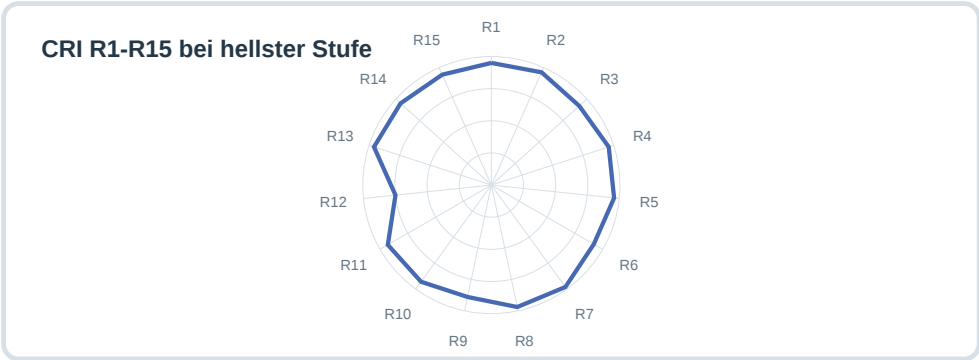
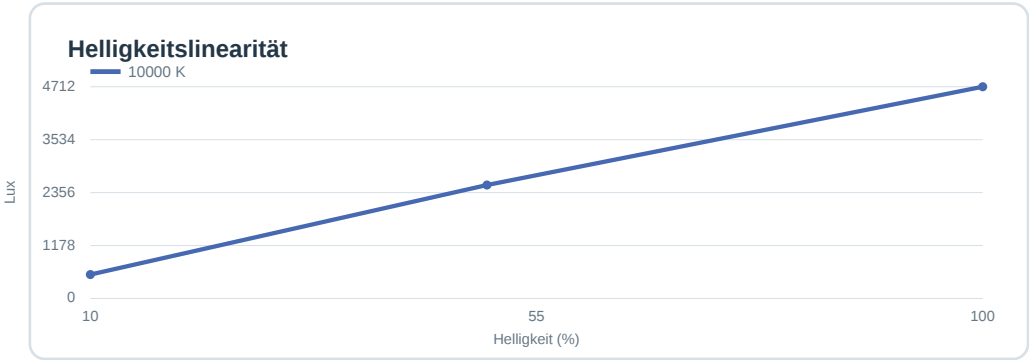
Prüfung	Wert
Hellste Stufe	100%
CCT-Abweichung	130 K
Mired-Abweichung	3.02
Quelle	OHS-081125.csv



Stufe	Lux	CCT Ist	Duv	SDCM	Ra	R9	Peak
10%	533	10670 K	-0.00044	26.30	94.5	89.0	448 nm
50%	2525	10515 K	-0.00286	25.85	95.4	95.0	449 nm
100%	4712	10777 K	-0.00418	26.91	95.3	89.0	449 nm

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

Prüfung	Wert
Hellste Stufe	100%
CCT-Abweichung	777 K
Mired-Abweichung	7.21
Quelle	OHS-081158.csv

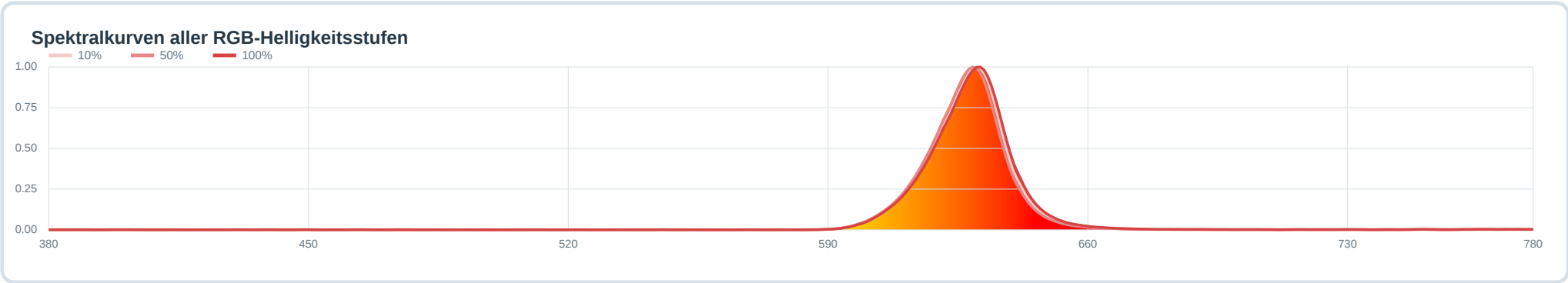
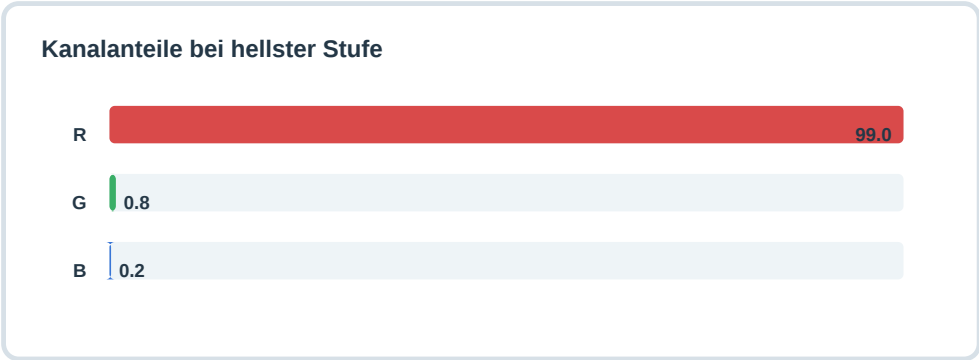
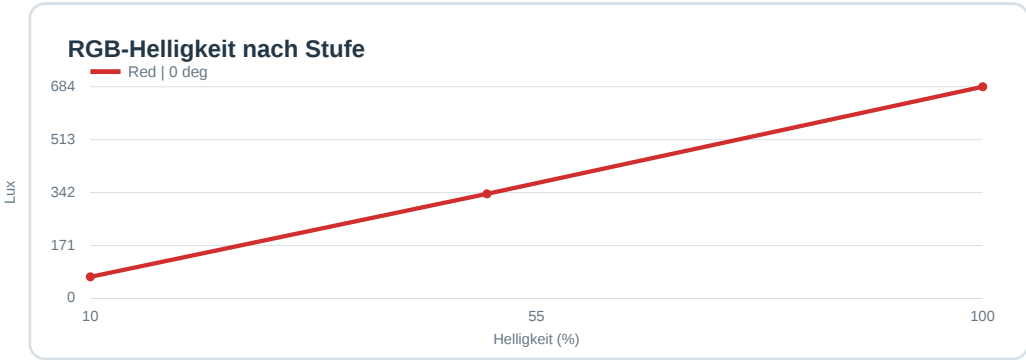




Red | 0 deg

Hue: 0.0 deg | Sättigung:

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	70	1000	-0.03523	622 nm	99.3%	630 nm	99/1/0
50%	338	1000	-0.03446	621 nm	99.5%	629 nm	99/1/0
100%	684	1000	-0.03620	622 nm	99.4%	631 nm	99/1/0

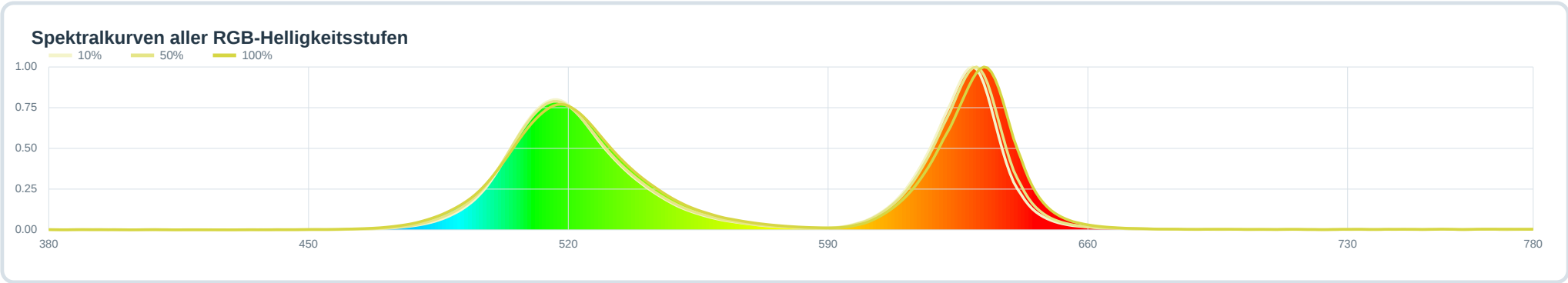
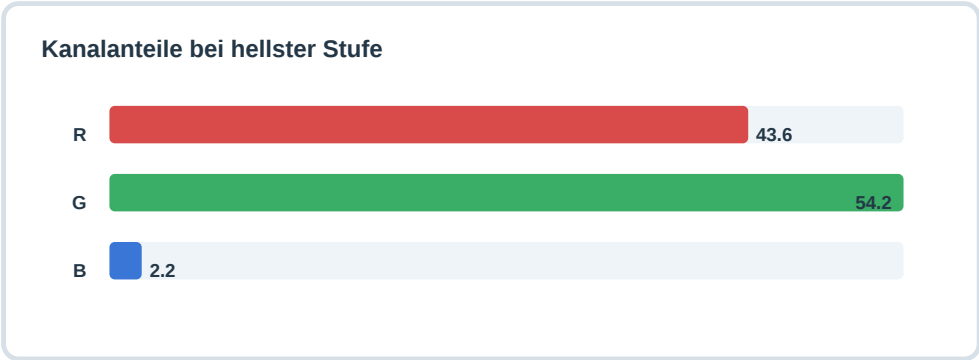
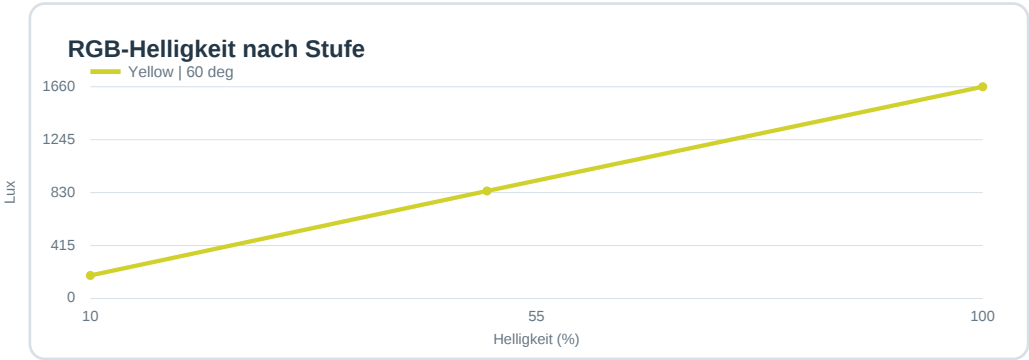


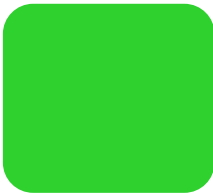


Yellow | 60 deg

Hue: 60.0 deg | Sättigung

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	181	4495	0.05546	565 nm	77.5%	629 nm	43/56/2
50%	843	4505	0.05578	565 nm	77.0%	630 nm	43/55/2
100%	1660	4587	0.05720	564 nm	76.2%	632 nm	44/54/2

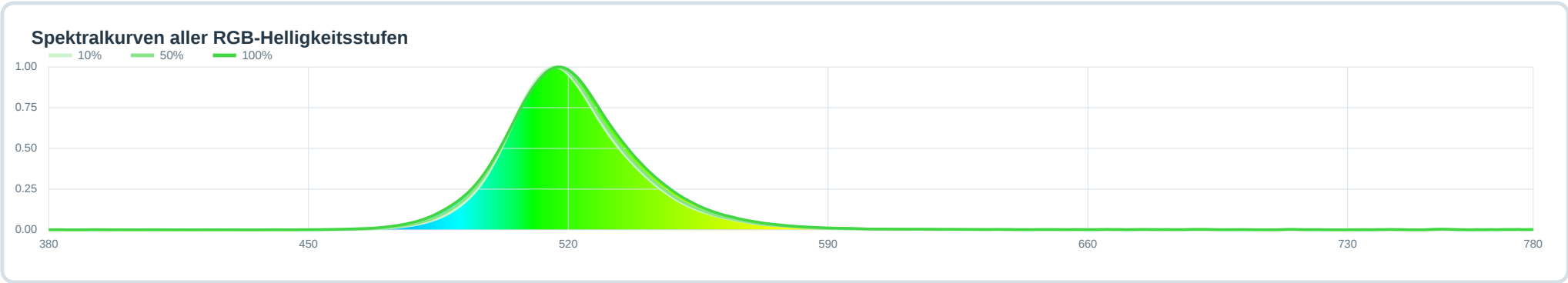
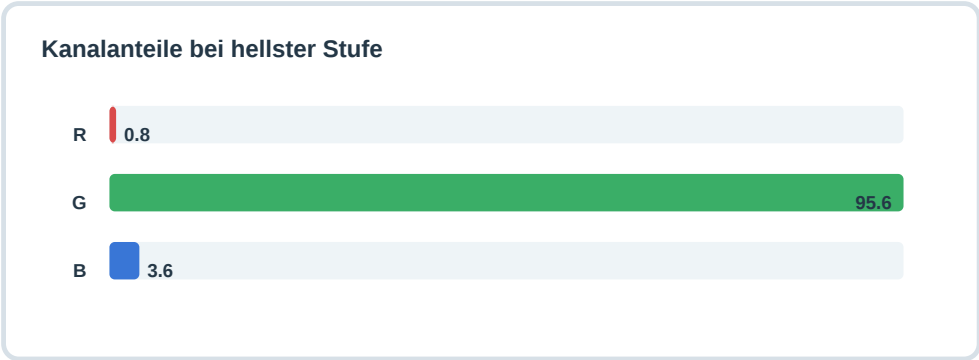
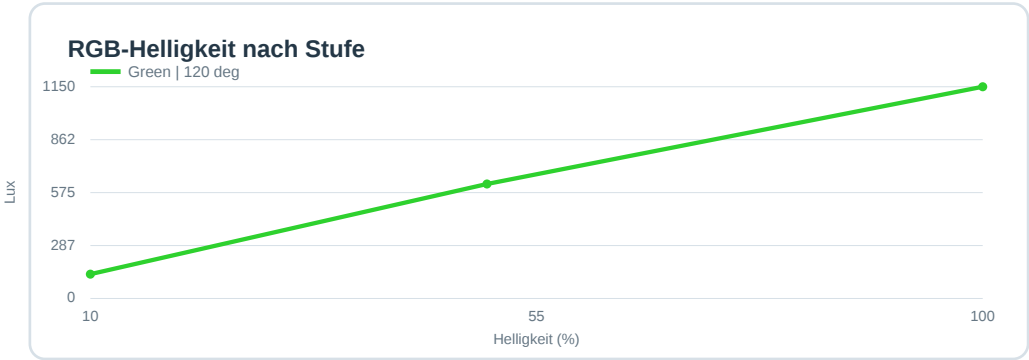




Green | 120 deg

Hue: 120.0 deg | Sättigung

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	132	8419	0.16528	521 nm	77.6%	516 nm	1/96/3
50%	622	8417	0.16452	521 nm	76.8%	517 nm	1/96/3
100%	1150	8237	0.16191	522 nm	75.5%	518 nm	1/96/4

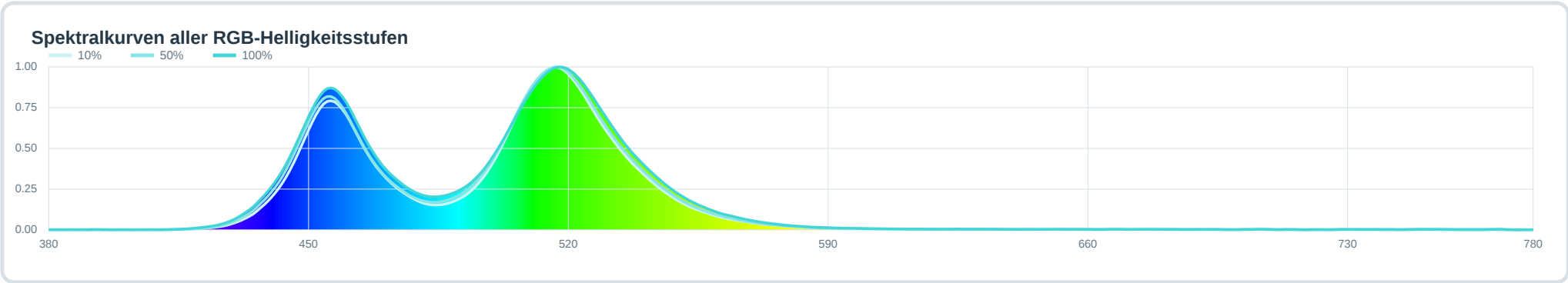
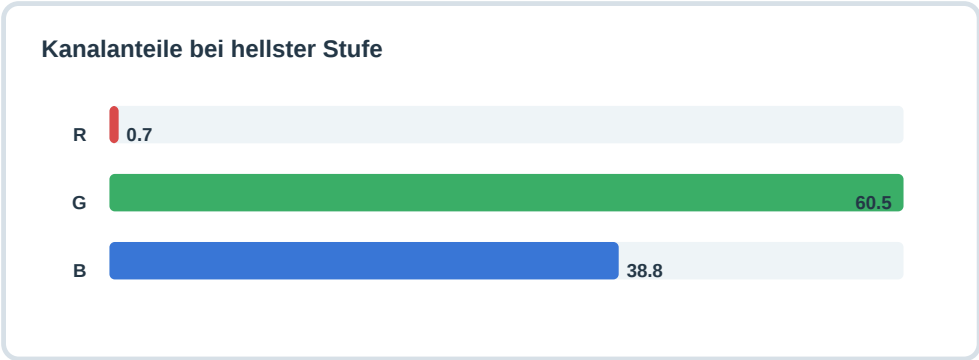
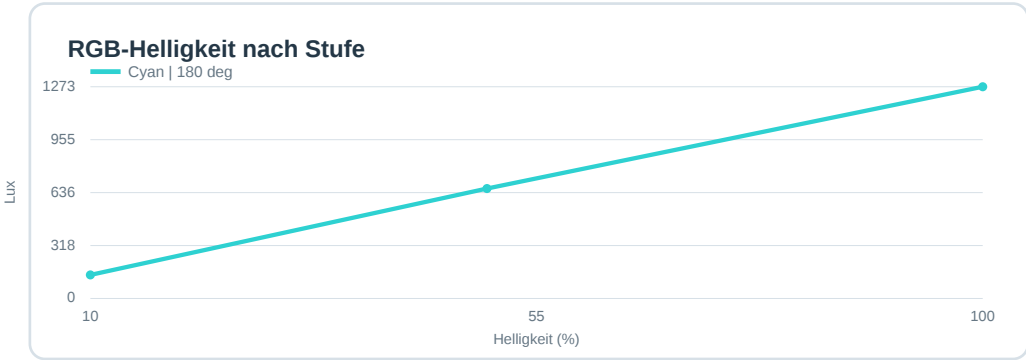




Cyan | 180 deg

Hue: 180.0 deg | Sättigung

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	142	24854	0.10480	493 nm	62.7%	516 nm	1/62/37
50%	661	26036	0.10309	493 nm	62.6%	517 nm	1/62/38
100%	1273	27611	0.09957	492 nm	62.0%	518 nm	1/60/39

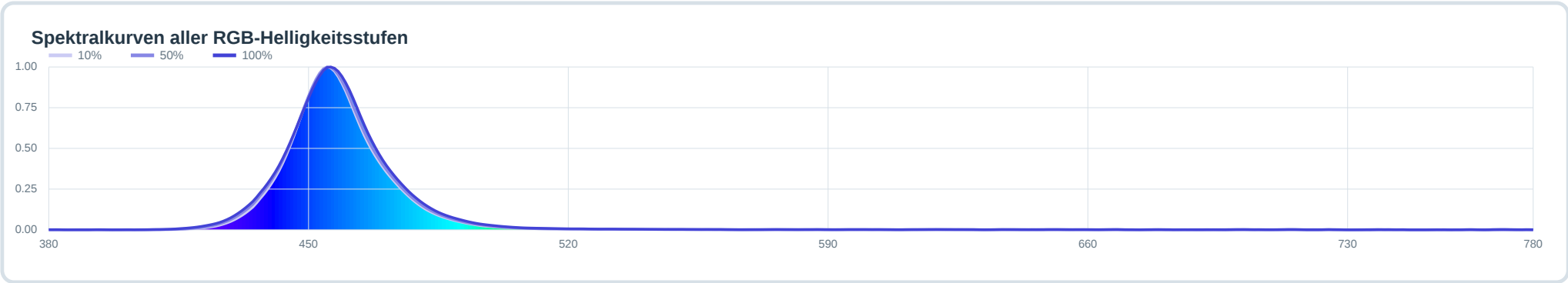
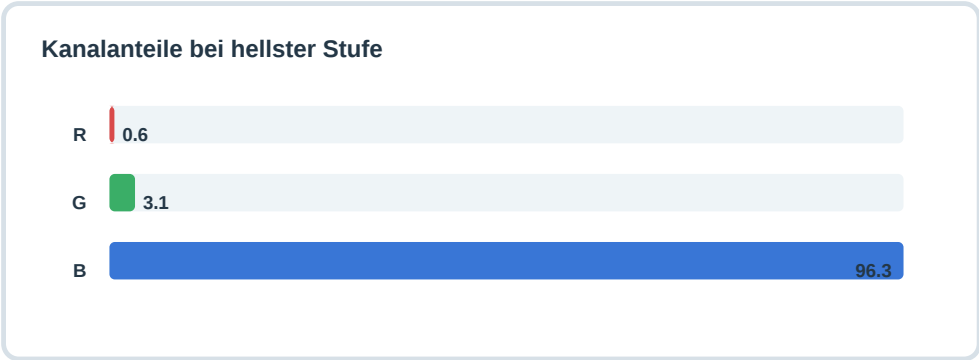
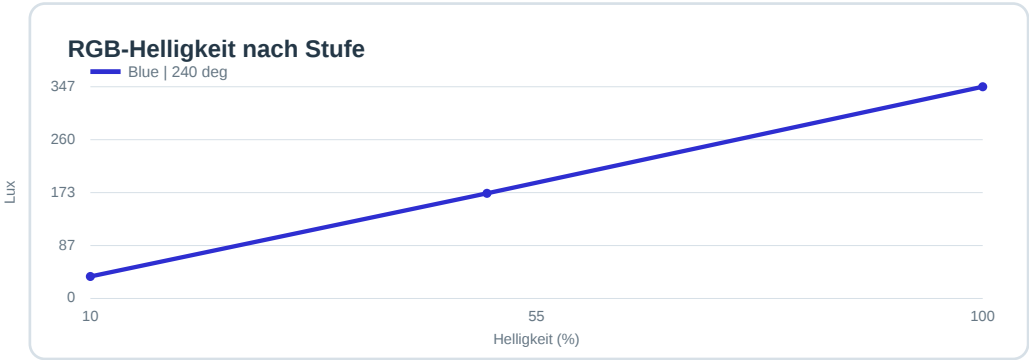




Blue | 240 deg

Hue: 240.0 deg | Sättigung

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	36	100000	-0.05608	460 nm	98.0%	455 nm	1/2/97
50%	172	100000	-0.05522	460 nm	97.8%	456 nm	0/3/97
100%	347	100000	-0.05317	461 nm	97.6%	456 nm	1/3/96





Magenta | 300 deg

Hue: 300.0 deg | Sättigung

Stufe	Lux	CCT	Duv	Dominant	Purity	Peak	RGB-Verhältnis
10%	85	1492	-0.15225	550 nm	55.1%	629 nm	52/2/46
50%	394	1426	-0.14731	547 nm	51.0%	630 nm	54/2/44
100%	780	1416	-0.14691	547 nm	50.6%	632 nm	56/2/42

