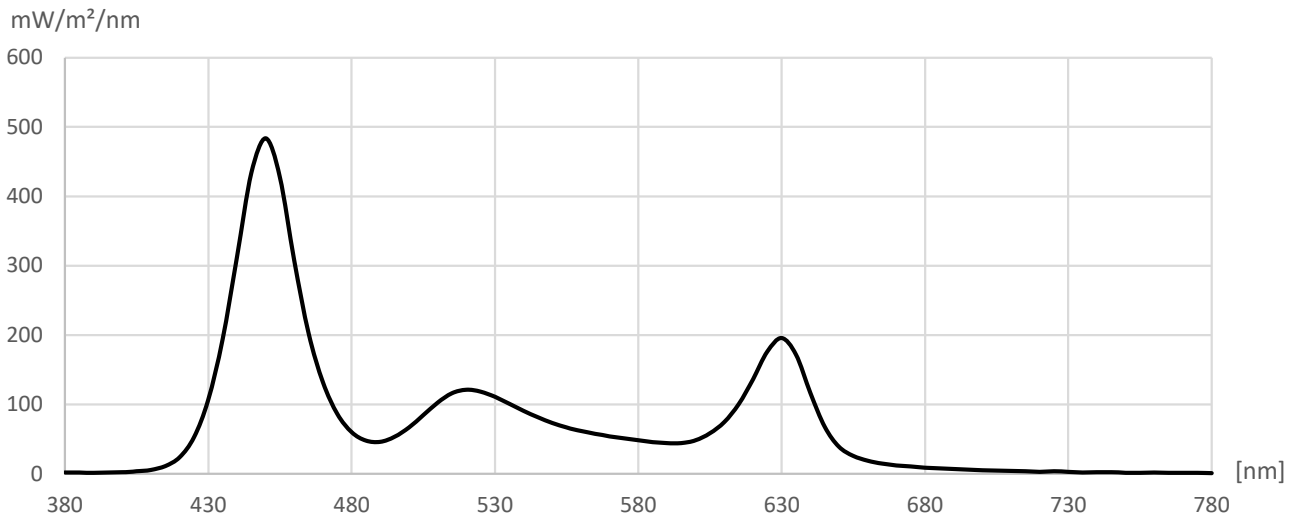


Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 1 m / all / wide

Measurement file: 449223_1m_all_w.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:30:34



R1 = -	Ra = -	Illuminance	5999,96 lx	CIE1931
R2 = -	Re = -	Ee	29,368 W/m ²	x = 0,2557
R3 = -	GAI = -	LER	204,3 lm/W	y = 0,2003
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,2091
R7 = -				v' = 0,3685
R8 = -		Saturation	42,6 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	438 nm	u = 0,2091
R11 = -		Peak wavelength	449 nm	v = 0,2457
R12 = -				
R13 = -		Flicker frequency	% < 1.0 Hz	TM30
R14 = -		Percent Flicker	< 1.0 %	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	1,61	440	312,14	500	66,72	560	61,60	620	136,26	680	8,79	740	2,24
385	1,54	445	433,77	505	84,58	565	57,72	625	175,86	685	7,96	745	2,32
390	1,41	450	483,94	510	102,53	570	53,84	630	195,65	690	6,68	750	1,53
395	1,95	455	427,99	515	116,06	575	50,84	635	171,96	695	6,09	755	1,19
400	2,13	460	307,74	520	121,08	580	48,37	640	116,45	700	4,93	760	1,58
405	3,39	465	202,46	525	118,41	585	45,74	645	67,46	705	4,76	765	1,25
410	5,43	470	131,74	530	110,79	590	44,13	650	39,03	710	3,91	770	1,12
415	11,11	475	86,02	535	100,80	595	44,21	655	25,73	715	3,77	775	1,15
420	24,00	480	59,72	540	90,60	600	48,08	660	18,63	720	2,82	780	0,89
425	52,82	485	47,76	545	81,35	605	58,39	665	14,67	725	3,42		
430	106,22	490	45,94	550	73,42	610	74,61	670	12,11	730	2,74		
435	193,42	495	53,26	555	66,54	615	100,37	675	10,40	735	1,89		

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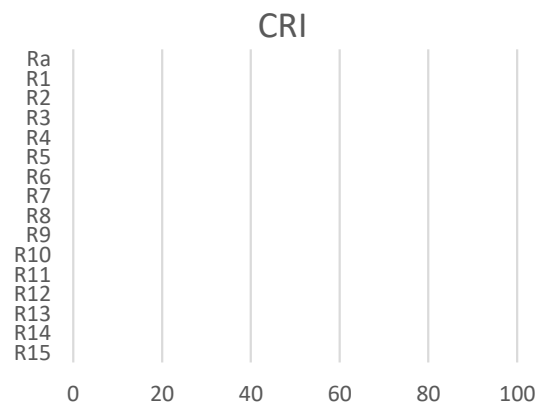
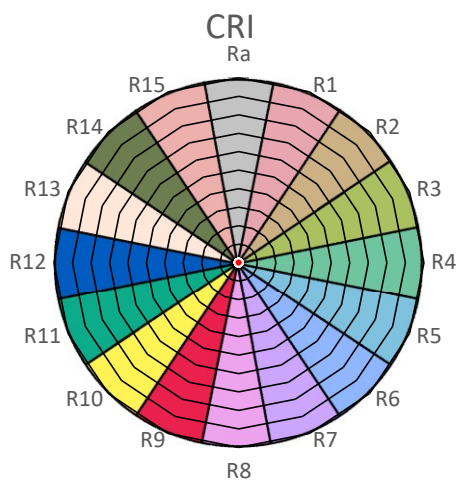
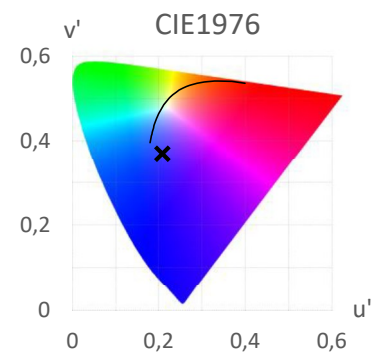
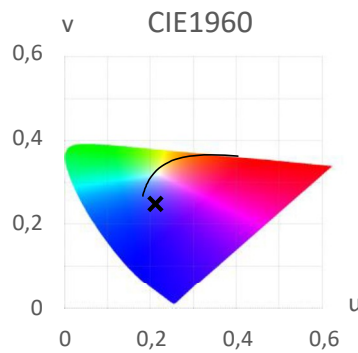
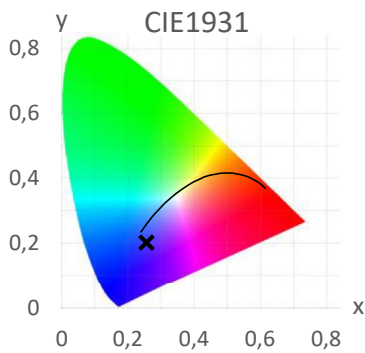
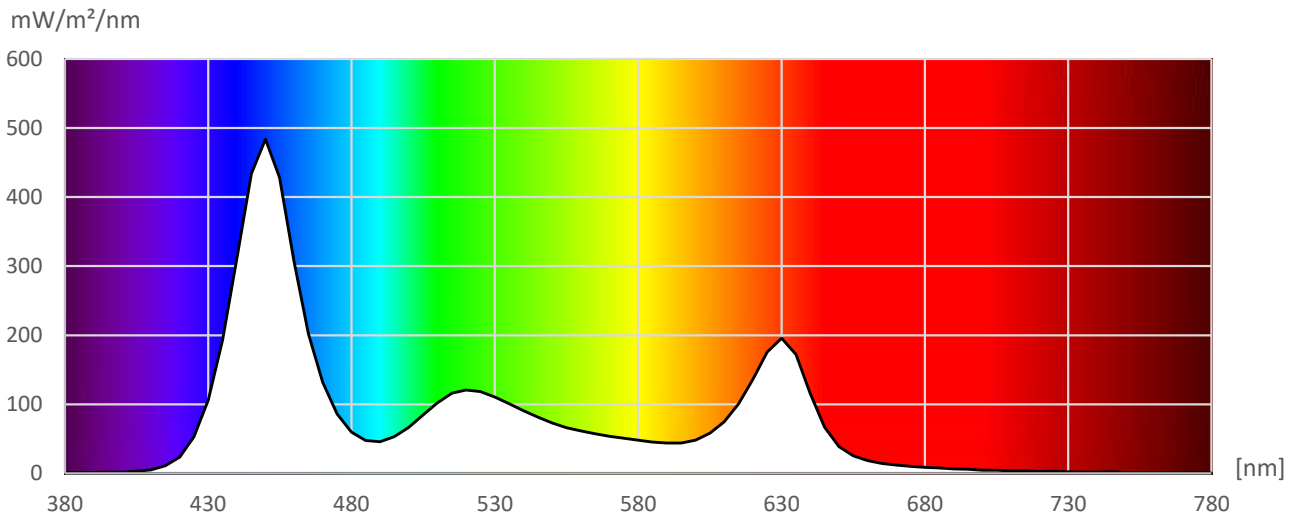
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 1 m / all / wide

Measurement file: 449223_1m_all_w.
 Date of measurement: 23.03.2021
 Time of measurement: 16:30:34



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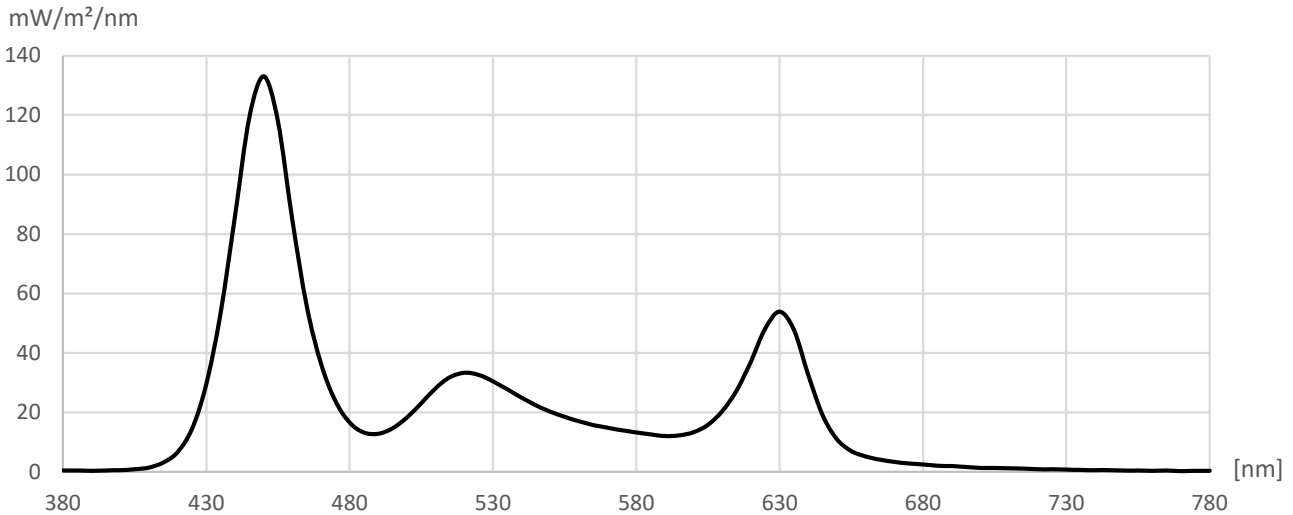
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 2 m / all / wide

Measurement file: 449223_2m_all_w.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:30:48



R1 = -	Ra = -	Illuminance	1648,65 lx	CIE1931
R2 = -	Re = -	Ee	8,080 W/m ²	x = 0,2555
R3 = -	GAI = -	LER	204,0 lm/W	y = 0,2000
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,2090
R7 = -				v' = 0,3682
R8 = -		Saturation	42,7 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	439 nm	u = 0,2090
R11 = -		Peak wavelength	449 nm	v = 0,2454
R12 = -				
R13 = -		Flicker frequency	% < 1.0 Hz	TM30
R14 = -		Percent Flicker	< 1.0 %	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,38	440	85,87	500	18,28	560	16,98	620	37,18	680	2,48	740	0,56
385	0,41	445	119,21	505	23,14	565	15,70	625	48,15	685	2,05	745	0,56
390	0,34	450	133,08	510	28,13	570	14,84	630	53,84	690	1,90	750	0,36
395	0,45	455	118,13	515	31,76	575	13,96	635	47,68	695	1,63	755	0,40
400	0,54	460	84,99	520	33,28	580	13,22	640	32,46	700	1,32	760	0,29
405	0,81	465	55,94	525	32,60	585	12,55	645	18,94	705	1,28	765	0,38
410	1,40	470	36,38	530	30,41	590	12,00	650	10,98	710	1,13	770	0,19
415	3,11	475	23,80	535	27,69	595	12,19	655	6,95	715	1,10	775	0,29
420	6,63	480	16,52	540	24,97	600	13,26	660	5,16	720	0,82	780	0,35
425	14,50	485	13,18	545	22,38	605	15,78	665	4,02	725	0,81		
430	29,33	490	12,77	550	20,16	610	20,46	670	3,32	730	0,71		
435	53,32	495	14,63	555	18,46	615	27,42	675	2,78	735	0,59		

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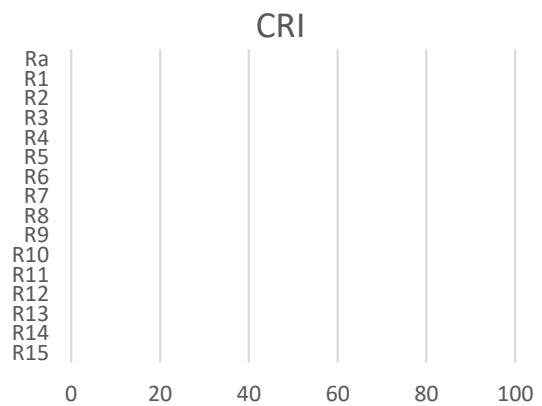
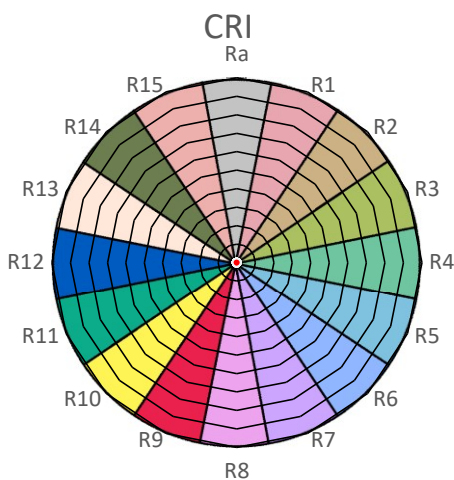
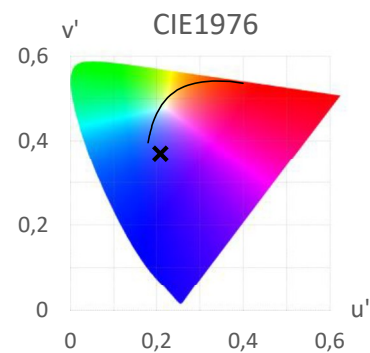
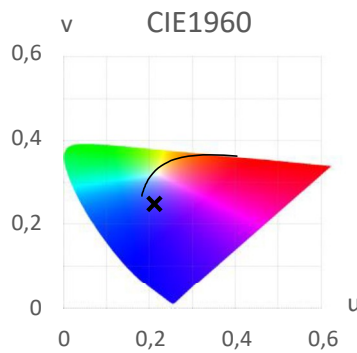
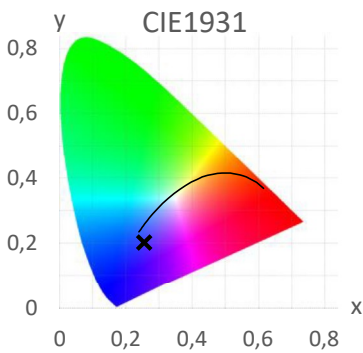
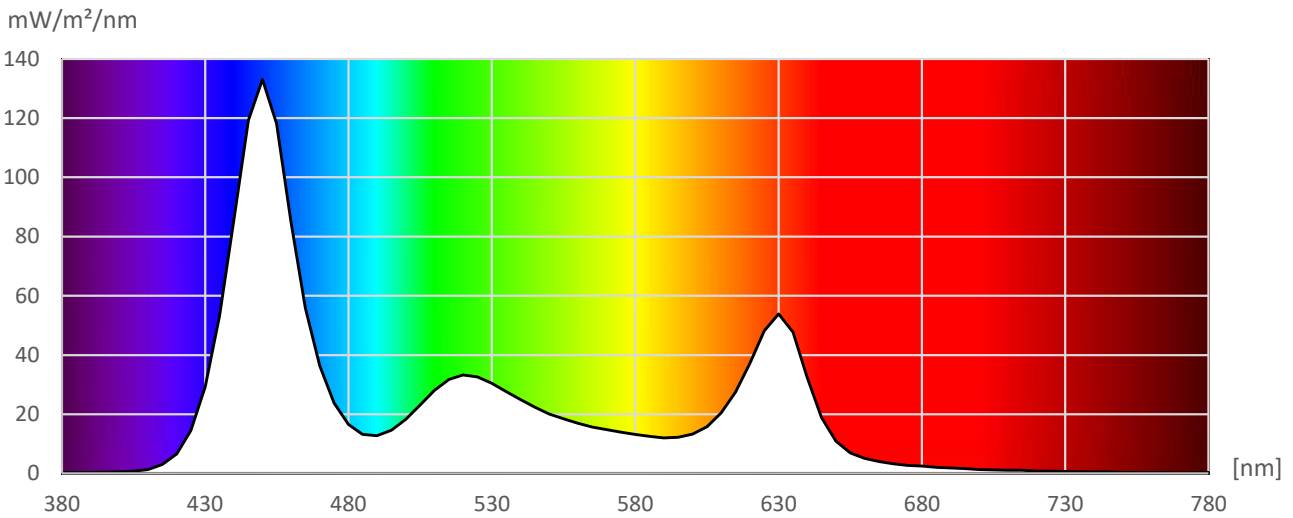
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 2 m / all / wide

Measurement file: 449223_2m_all_w.
 Date of measurement: 23.03.2021
 Time of measurement: 16:30:48



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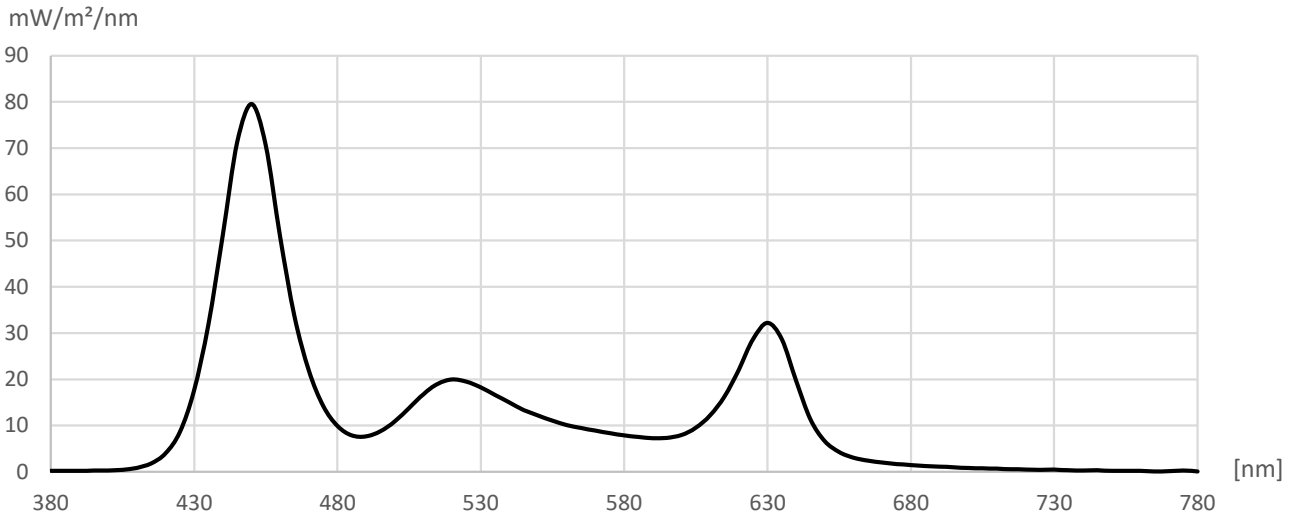
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 3 m / all / wide

Measurement file: 449223_3m_all_w.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:31:00



R1 = -	Ra = -	Illuminance	986,63 lx	CIE1931
R2 = -	Re = -	Ee	4,830 W/m ²	x = 0,2554
R3 = -	GAI = -	LER	204,3 lm/W	y = 0,2001
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,2089
R7 = -				v' = 0,3682
R8 = -		Saturation	42,7 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	439 nm	u = 0,2089
R11 = -		Peak wavelength	449 nm	v = 0,2455
R12 = -				
R13 = -		Flicker frequency	% < 1.0 Hz	TM30
R14 = -		Percent Flicker	< 1.0 %	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,17	440	51,21	500	10,89	560	10,09	620	22,12	680	1,47	740	0,23
385	0,17	445	71,29	505	13,83	565	9,47	625	28,66	685	1,21	745	0,30
390	0,20	450	79,56	510	16,81	570	8,88	630	32,16	690	1,11	750	0,21
395	0,24	455	70,70	515	19,02	575	8,33	635	28,64	695	0,97	755	0,20
400	0,28	460	50,90	520	19,95	580	7,84	640	19,59	700	0,80	760	0,20
405	0,43	465	33,67	525	19,50	585	7,50	645	11,27	705	0,72	765	0,04
410	0,84	470	21,89	530	18,25	590	7,25	650	6,62	710	0,67	770	0,12
415	1,79	475	14,25	535	16,61	595	7,32	655	4,27	715	0,54	775	0,26
420	3,99	480	9,87	540	14,96	600	7,93	660	3,05	720	0,50	780	0,08
425	8,62	485	7,87	545	13,35	605	9,49	665	2,40	725	0,43		
430	17,52	490	7,62	550	12,15	610	12,20	670	1,99	730	0,44		
435	31,85	495	8,76	555	11,03	615	16,32	675	1,68	735	0,30		

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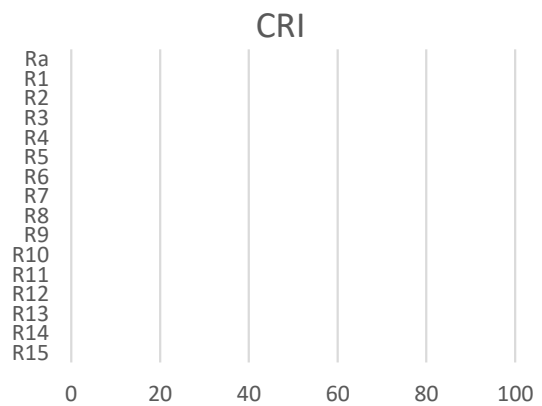
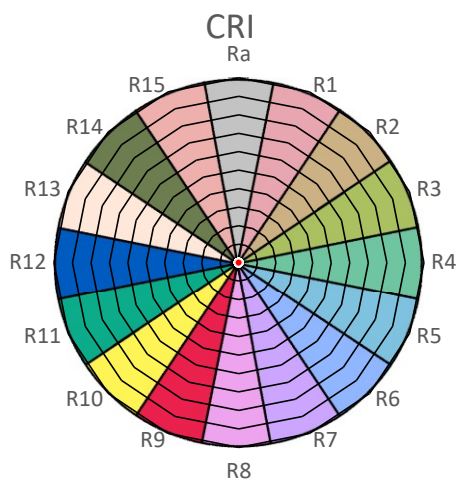
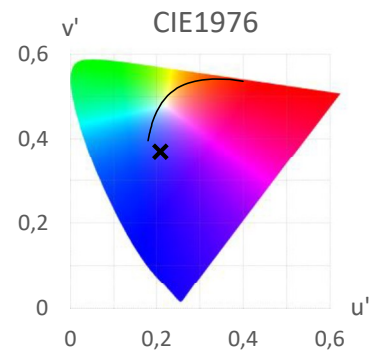
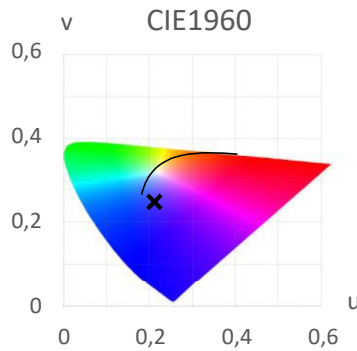
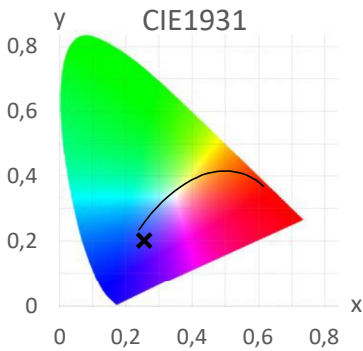
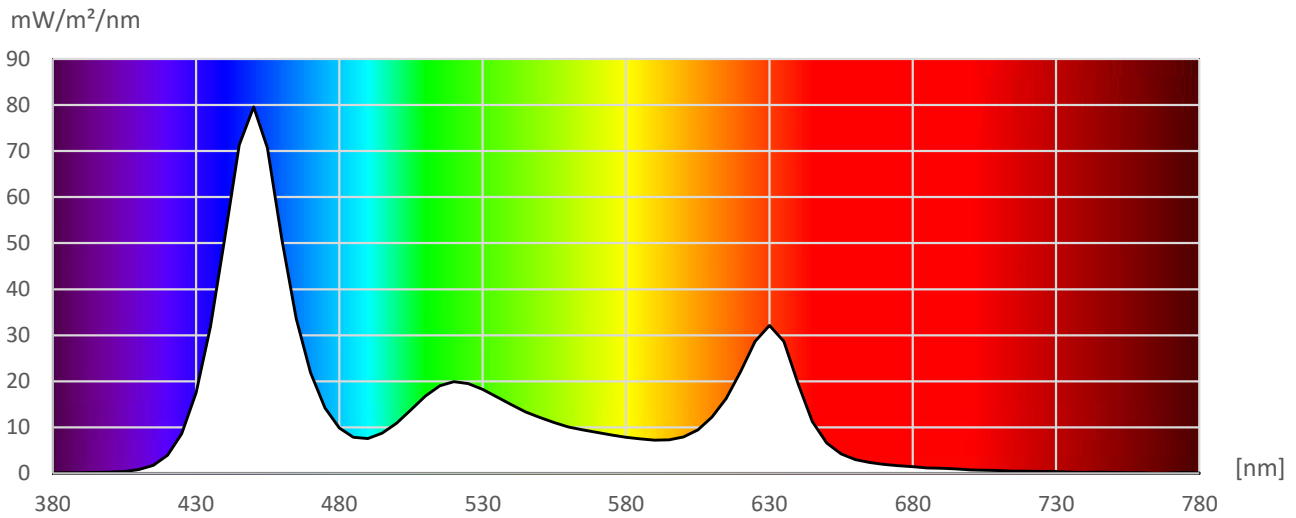
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 3 m / all / wide

Measurement file: 449223_3m_all_w.
 Date of measurement: 23.03.2021
 Time of measurement: 16:31:00



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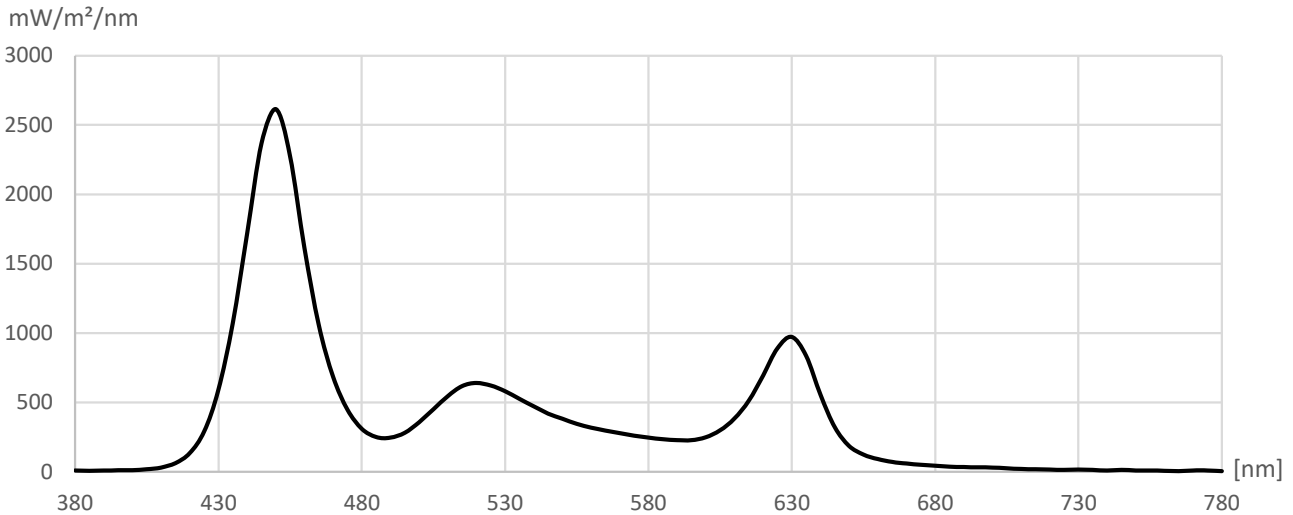
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 2 m / all / narrow

Measurement file: 449223_2m_all_n.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:29:57



R1 = -	Ra = -	Illuminance	31086,55 lx	CIE1931
R2 = -	Re = -	Ee	154,040 W/m ²	x = 0,2510
R3 = -	GAI = -	LER	201,8 lm/W	y = 0,1961
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,2070
R7 = -				v' = 0,3638
R8 = -		Saturation	44,4 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	444 nm	u = 0,2070
R11 = -		Peak wavelength	449 nm	v = 0,2426
R12 = -				
R13 = -		Flicker frequency	0 Hz	TM30
R14 = -		Percent Flicker	1 %	Rf = -
R15 = -		Flicker index	0,002	Rg = -

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	9,02	440	1715,14	500	357,13	560	318,58	620	694,98	680	44,13	740	9,54
385	6,76	445	2367,21	505	452,13	565	296,47	625	888,78	685	36,57	745	12,86
390	8,77	450	2613,67	510	545,87	570	278,13	630	972,10	690	33,21	750	9,66
395	10,34	455	2277,33	515	616,97	575	260,44	635	836,39	695	31,46	755	8,08
400	11,57	460	1616,47	520	639,67	580	246,85	640	554,47	700	29,89	760	7,35
405	17,64	465	1058,48	525	621,71	585	233,40	645	318,94	705	24,41	765	3,94
410	30,53	470	683,87	530	580,72	590	228,26	650	187,01	710	19,60	770	9,83
415	62,12	475	446,37	535	524,58	595	226,73	655	123,04	715	18,21	775	9,01
420	134,74	480	309,20	540	472,06	600	249,05	660	90,79	720	15,45	780	3,40
425	291,07	485	250,73	545	420,02	605	298,01	665	70,50	725	12,83		
430	588,27	490	244,90	550	381,62	610	384,27	670	58,97	730	15,81		
435	1068,83	495	280,82	555	345,30	615	512,57	675	49,32	735	13,21		

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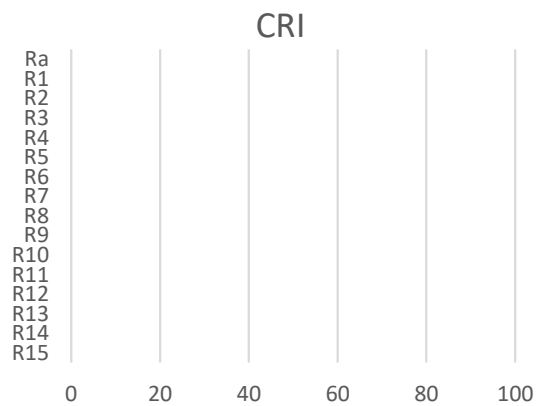
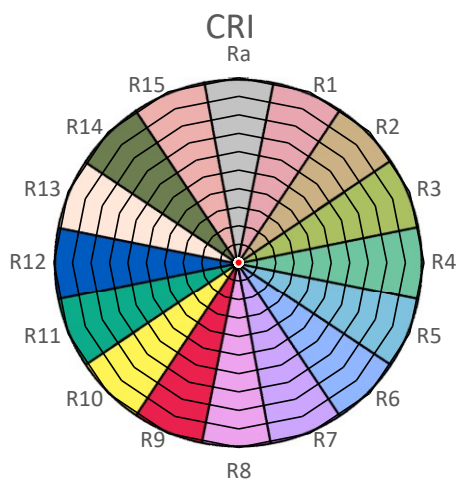
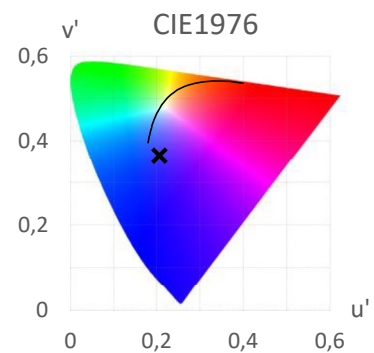
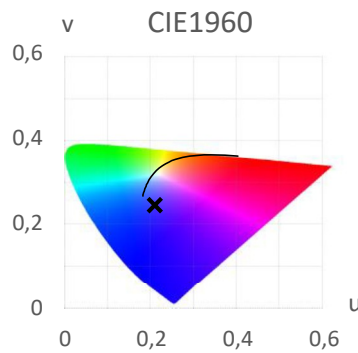
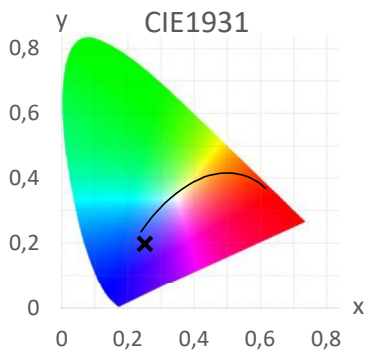
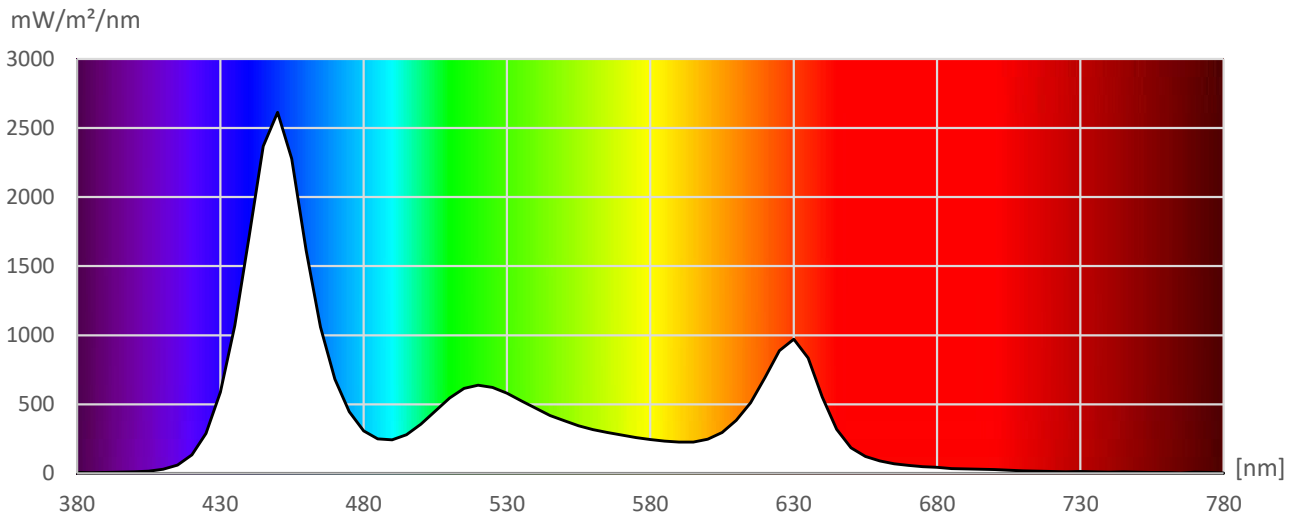
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 2 m / all / narrow

Measurement file: 449223_2m_all_n.
 Date of measurement: 23.03.2021
 Time of measurement: 16:29:57



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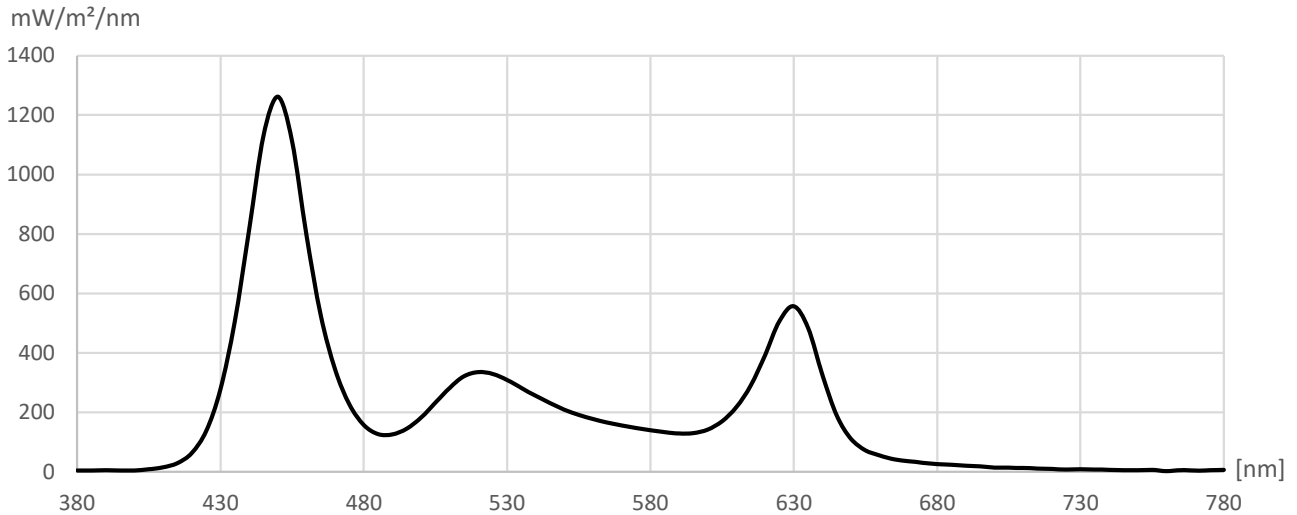
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 3 m / all / narrow

Measurement file: 449223_3m_all_n.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:30:06



R1 = -	Ra = -	Illuminance	16913,24 lx	CIE1931
R2 = -	Re = -	Ee	79,968 W/m ²	x = 0,2630
R3 = -	GAI = -	LER	211,5 lm/W	y = 0,2098
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,2108
R7 = -				v' = 0,3783
R8 = -		Saturation	39,2 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	432 nm	u = 0,2108
R11 = -		Peak wavelength	449 nm	v = 0,2522
R12 = -				
R13 = -		Flicker frequency	% < 1.0 Hz	TM30
R14 = -		Percent Flicker	< 1.0 %	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	4,44	440	813,45	500	182,16	560	176,93	620	393,32	680	26,05	740	6,68
385	4,11	445	1130,78	505	232,92	565	165,47	625	506,20	685	23,32	745	5,38
390	4,91	450	1261,68	510	282,74	570	155,63	630	556,87	690	20,04	750	4,96
395	3,95	455	1113,69	515	321,03	575	147,36	635	483,70	695	17,98	755	6,24
400	4,57	460	798,02	520	335,05	580	139,54	640	324,14	700	14,14	760	1,98
405	8,34	465	526,35	525	329,21	585	133,04	645	187,63	705	13,46	765	5,53
410	14,64	470	343,83	530	308,69	590	128,63	650	110,99	710	12,82	770	3,70
415	29,28	475	225,48	535	281,97	595	129,82	655	72,32	715	11,00	775	4,68
420	63,35	480	157,23	540	255,16	600	141,71	660	54,79	720	8,99	780	6,33
425	137,38	485	127,08	545	231,46	605	170,07	665	41,52	725	7,72		
430	276,35	490	125,35	550	208,67	610	217,56	670	35,71	730	8,26		
435	503,93	495	145,12	555	191,05	615	290,75	675	29,97	735	7,37		

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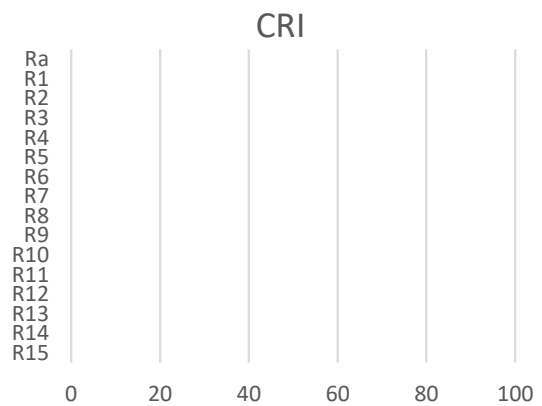
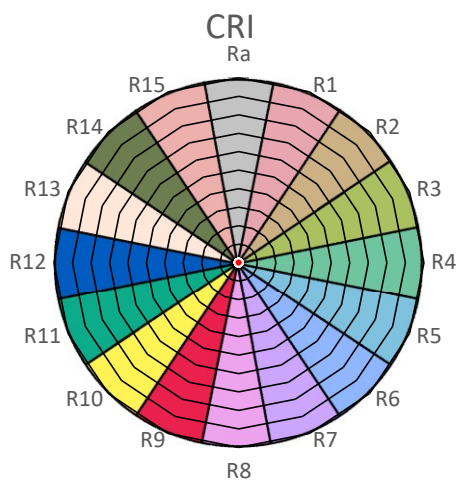
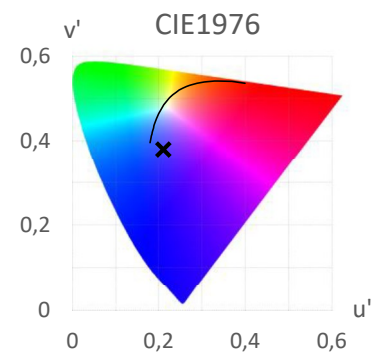
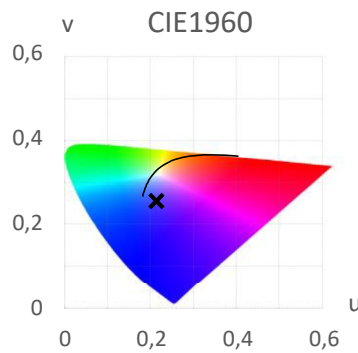
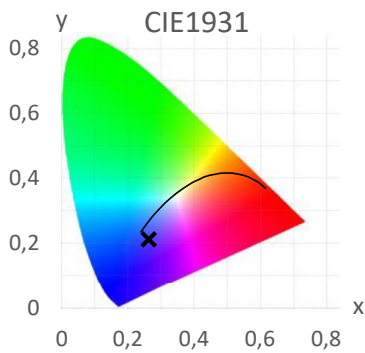
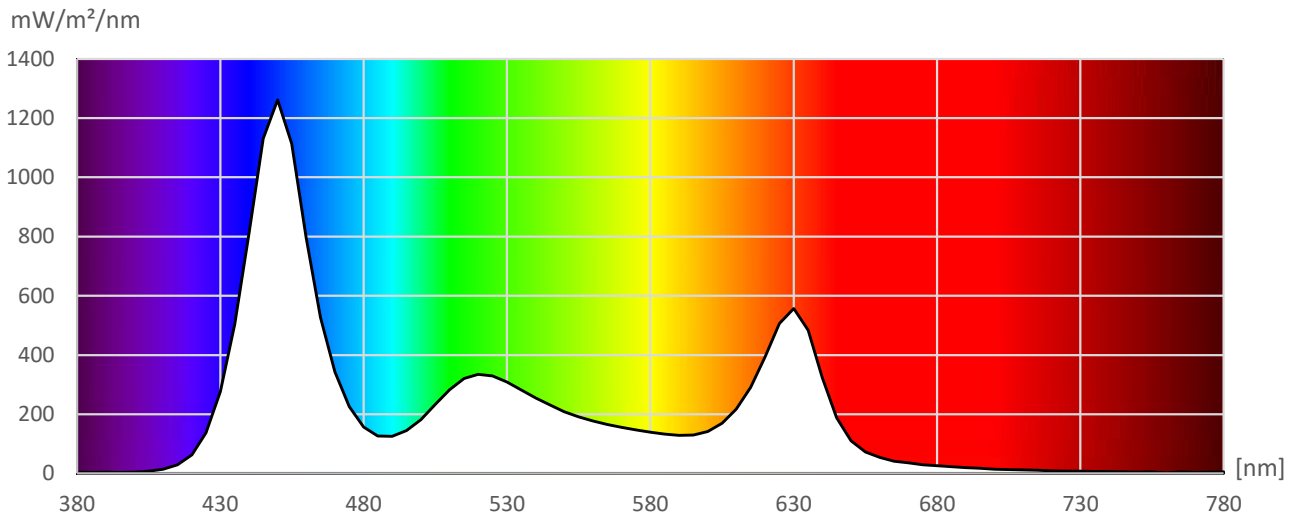
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 3 m / all / narrow

Measurement file: 449223_3m_all_n.
 Date of measurement: 23.03.2021
 Time of measurement: 16:30:06



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Burgebrach, 23.03.2021

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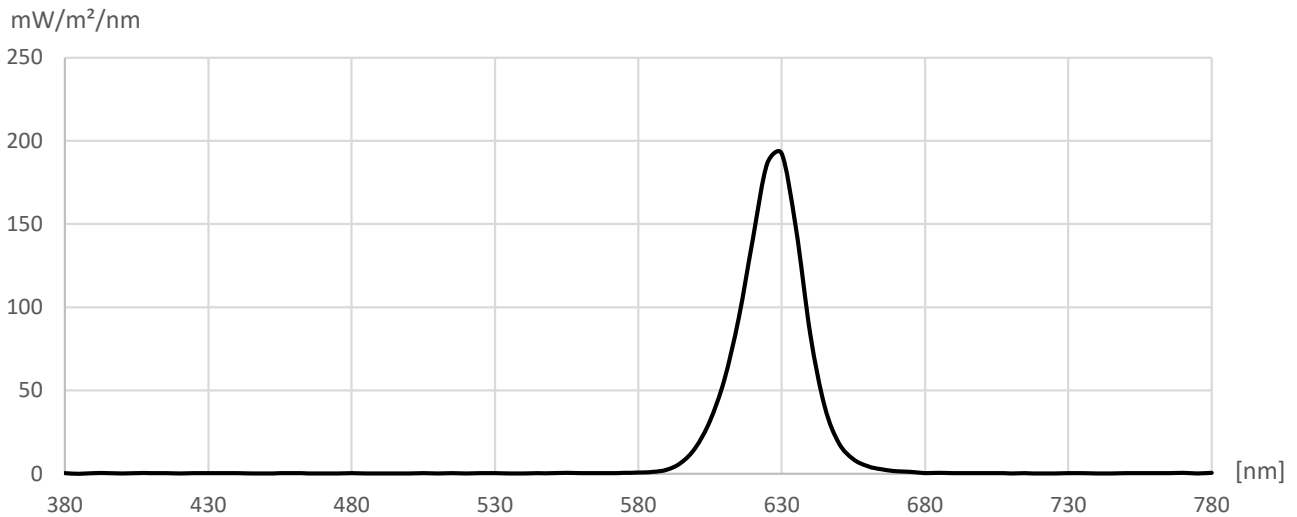
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 1 m / red / wide

Measurement file: 449223_1m_r_w.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:32:28



R1 = -	Ra = -	Illuminance	1130,96 lx	CIE1931
R2 = -	Re = -	Ee	5,276 W/m ²	x = 0,6859
R3 = -	GAI = -	LER	214,3 lm/W	y = 0,3088
R4 = -				
R5 = -		correlated color temperature (CCT)	< 1600 K	CIE1976
R6 = -		Duv	-	u' = 0,5144
R7 = -				v' = 0,5210
R8 = -		Saturation	98,5 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	624 nm	u = 0,5144
R11 = -		Peak wavelength	628 nm	v = 0,3474
R12 = -				
R13 = -		Flicker frequency	% < 1.0 Hz	TM30
R14 = -		Percent Flicker	< 1.0 %	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,37	440	0,29	500	0,21	560	0,30	620	141,75	680	0,38	740	0,15
385	0,02	445	0,23	505	0,27	565	0,39	625	186,33	685	0,51	745	0,14
390	0,42	450	0,20	510	0,21	570	0,28	630	192,46	690	0,29	750	0,34
395	0,39	455	0,26	515	0,35	575	0,46	635	147,43	695	0,39	755	0,33
400	0,20	460	0,31	520	0,19	580	0,65	640	83,55	700	0,30	760	0,42
405	0,44	465	0,25	525	0,35	585	1,08	645	40,22	705	0,36	765	0,36
410	0,29	470	0,21	530	0,36	590	2,51	650	18,45	710	0,24	770	0,52
415	0,38	475	0,18	535	0,22	595	6,65	655	8,75	715	0,26	775	0,21
420	0,20	480	0,28	540	0,24	600	15,69	660	4,54	720	0,17	780	0,56
425	0,36	485	0,24	545	0,27	605	31,72	665	2,59	725	0,20		
430	0,29	490	0,22	550	0,27	610	56,48	670	1,51	730	0,41		
435	0,29	495	0,24	555	0,53	615	93,48	675	1,06	735	0,31		

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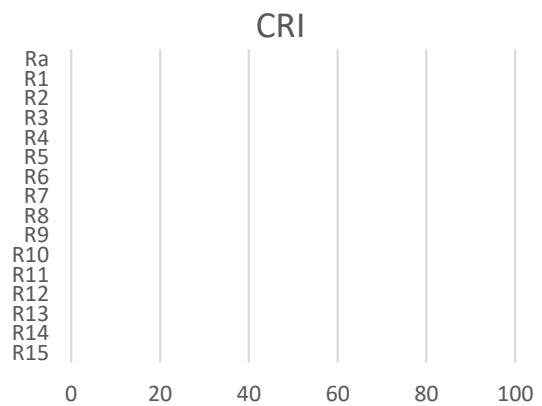
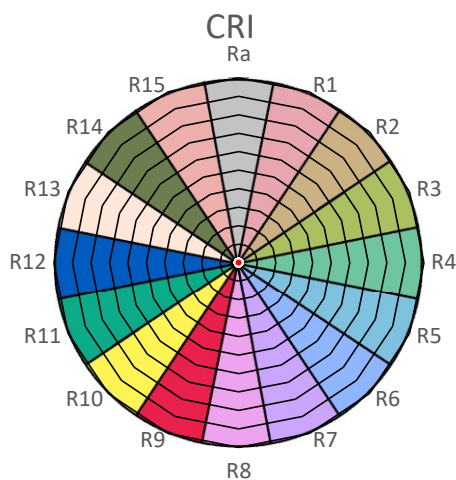
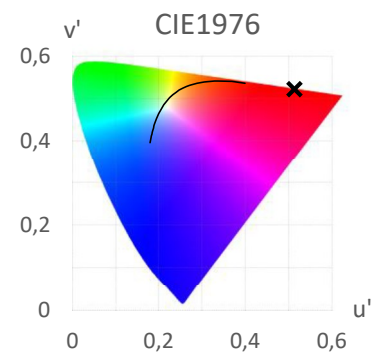
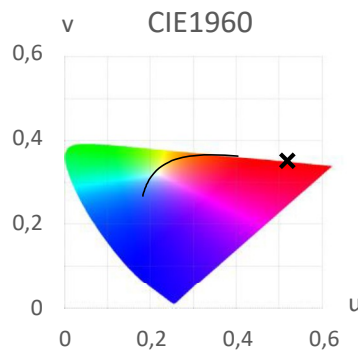
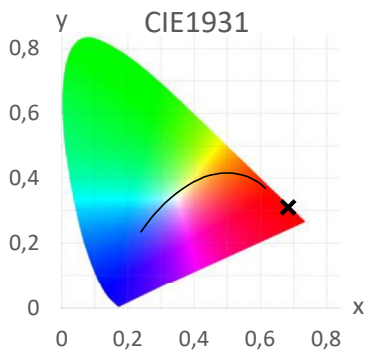
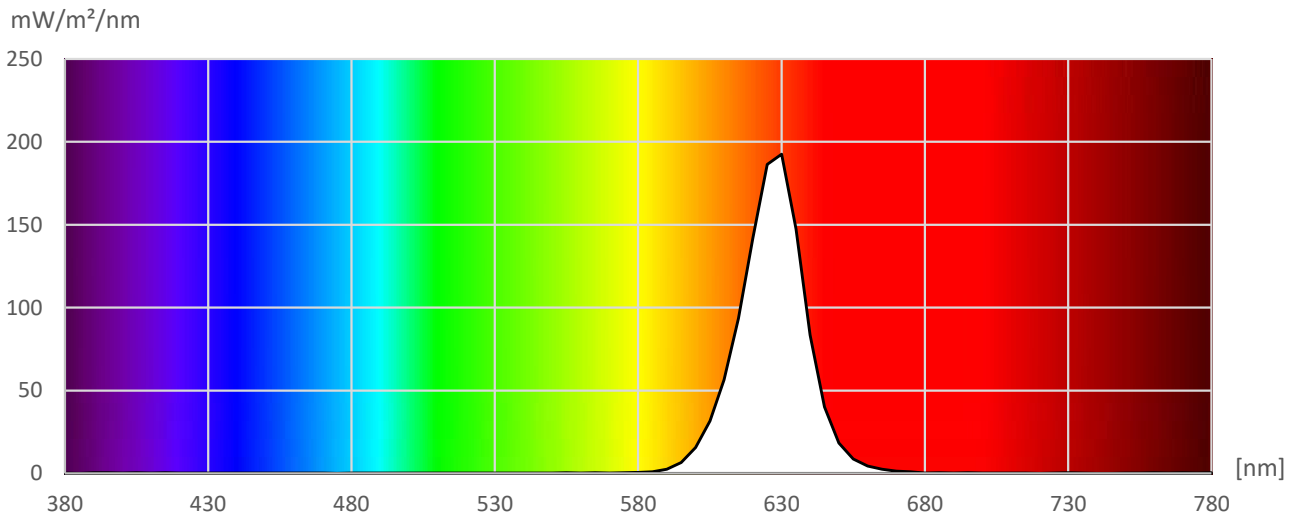
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 1 m / red / wide

Measurement file: 449223_1m_r_w.C
 Date of measurement: 23.03.2021
 Time of measurement: 16:32:28



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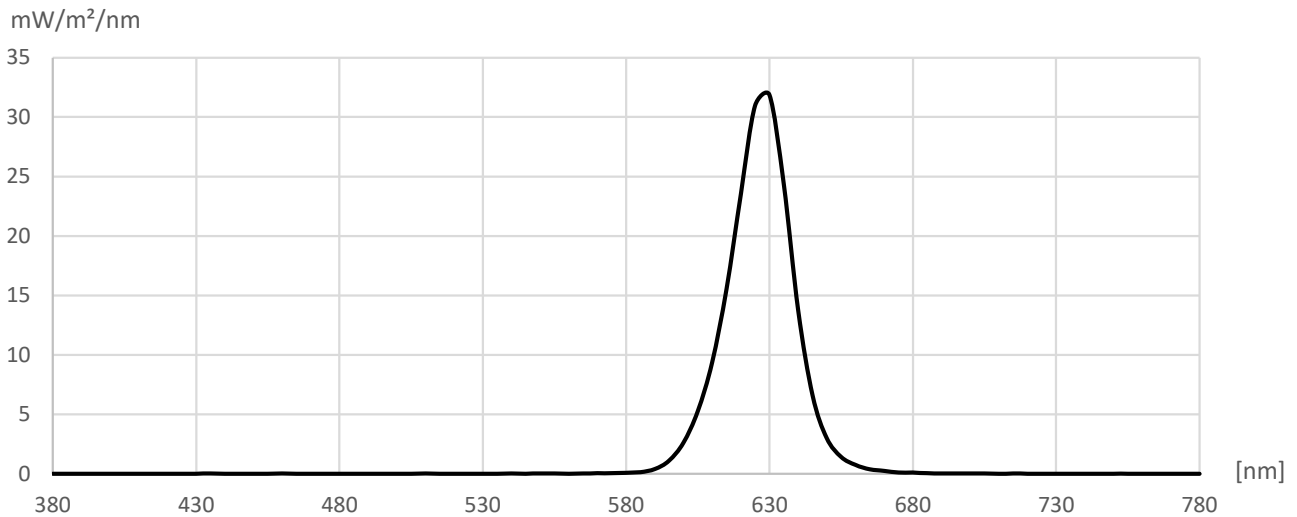
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 3 m / red / wide

Measurement file: 449223_3m_r_w.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:32:38



R1 = -	Ra = -	Illuminance	185,43 lx	CIE1931
R2 = -	Re = -	Ee	0,860 W/m ²	x = 0,6906
R3 = -	GAI = -	LER	215,6 lm/W	y = 0,3086
R4 = -				
R5 = -		correlated color temperature (CCT)	< 1600 K	CIE1976
R6 = -		Duv	-	u' = 0,5191
R7 = -				v' = 0,5219
R8 = -		Saturation	99,9 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	624 nm	u = 0,5191
R11 = -		Peak wavelength	628 nm	v = 0,3479
R12 = -				
R13 = -		Flicker frequency	% < 1.0 Hz	TM30
R14 = -		Percent Flicker	< 1.0 %	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,00	440	0,00	500	0,00	560	0,01	620	23,57	680	0,10	740	0,00
385	0,00	445	0,00	505	0,00	565	0,02	625	30,95	685	0,04	745	0,00
390	0,00	450	0,01	510	0,01	570	0,04	630	31,87	690	0,03	750	0,01
395	0,00	455	0,00	515	0,00	575	0,04	635	24,33	695	0,03	755	0,00
400	0,00	460	0,01	520	0,00	580	0,09	640	13,74	700	0,02	760	0,00
405	0,00	465	0,00	525	0,00	585	0,14	645	6,58	705	0,02	765	0,00
410	0,00	470	0,00	530	0,01	590	0,39	650	3,01	710	0,00	770	0,00
415	0,00	475	0,00	535	0,01	595	1,09	655	1,41	715	0,01	775	0,00
420	0,00	480	0,00	540	0,01	600	2,60	660	0,74	720	0,01	780	0,00
425	0,00	485	0,00	545	0,01	605	5,26	665	0,37	725	0,00		
430	0,00	490	0,00	550	0,03	610	9,38	670	0,24	730	0,00		
435	0,03	495	0,00	555	0,02	615	15,56	675	0,10	735	0,00		

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Burgebrach, 23.03.2021

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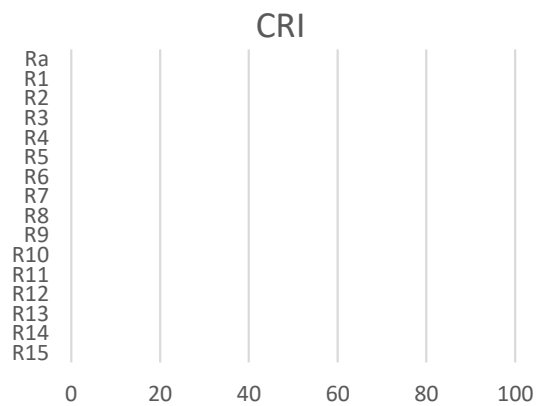
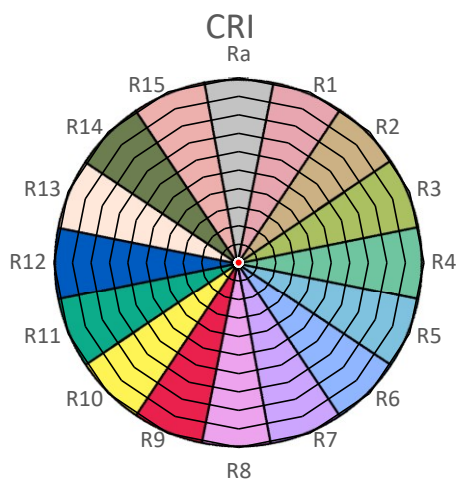
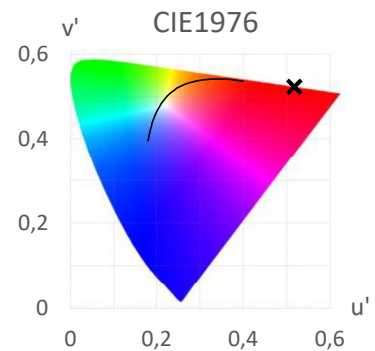
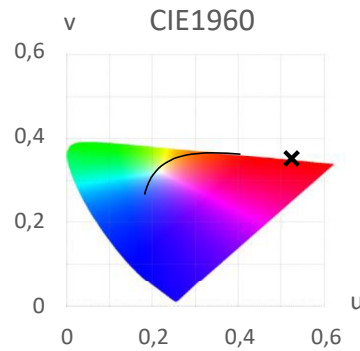
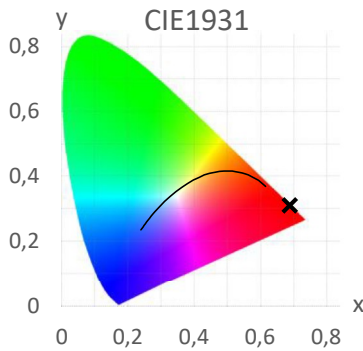
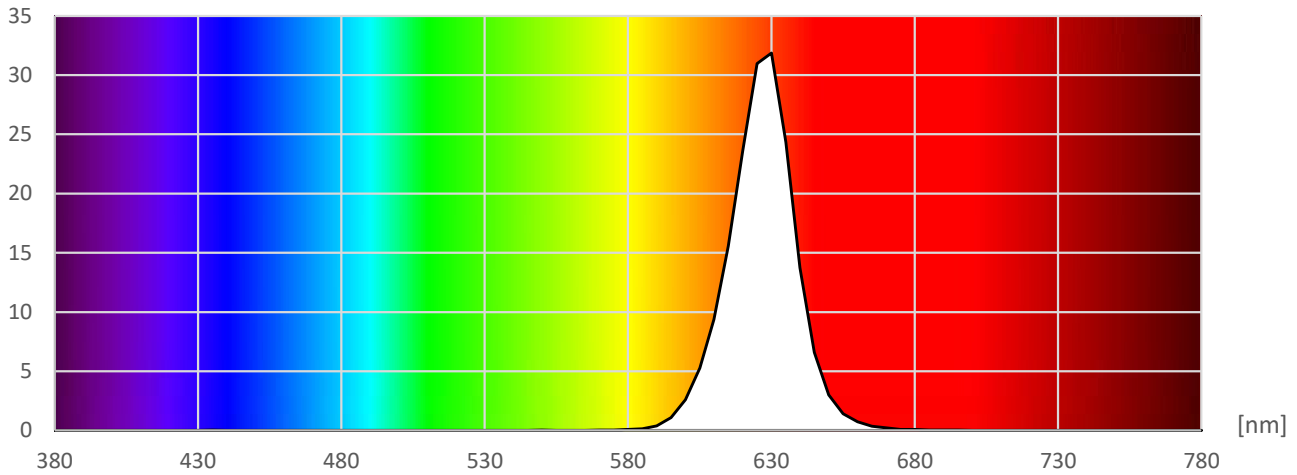
Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 3 m / red / wide

Measurement file: 449223_3m_r_w.C
 Date of measurement: 23.03.2021
 Time of measurement: 16:32:38

mW/m²/nm



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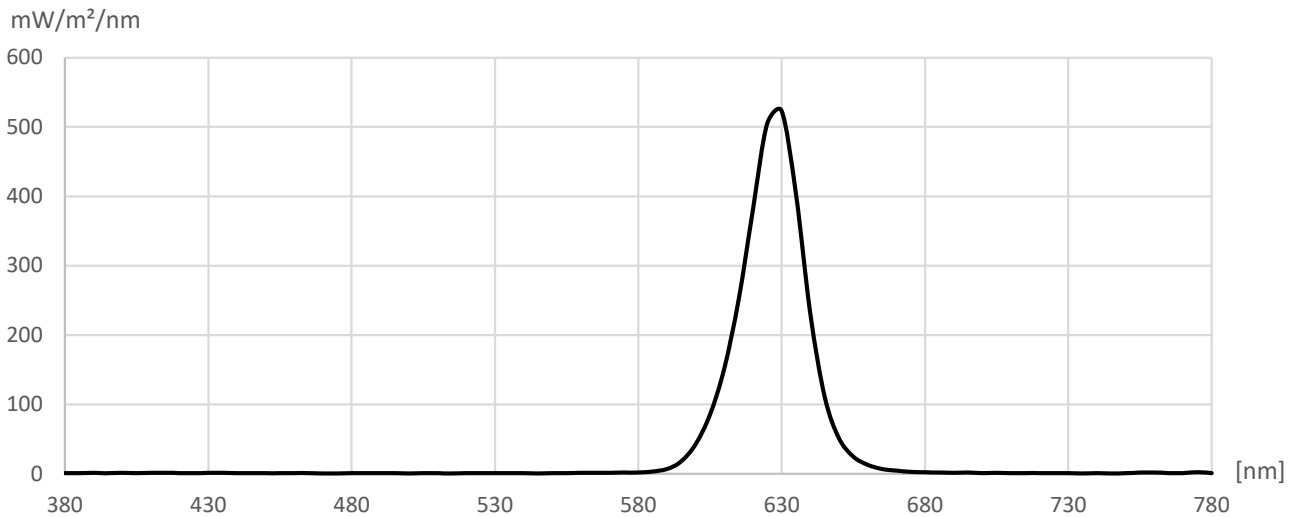
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 3 m / red / narrow

Measurement file: 449223_3m_r_n.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:31:57



R1 = -	Ra = -	Illuminance	3068,02 lx	CIE1931
R2 = -	Re = -	Ee	14,386 W/m ²	x = 0,6851
R3 = -	GAI = -	LER	213,3 lm/W	y = 0,3084
R4 = -				
R5 = -		correlated color temperature (CCT)	< 1600 K	CIE1976
R6 = -		Duv	-	u' = 0,5141
R7 = -				v' = 0,5207
R8 = -		Saturation	97,9 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	625 nm	u = 0,5141
R11 = -		Peak wavelength	628 nm	v = 0,3471
R12 = -				
R13 = -		Flicker frequency	% < 1.0 Hz	TM30
R14 = -		Percent Flicker	< 1.0 %	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	1,03	440	0,96	500	0,59	560	1,20	620	382,21	680	2,04	740	0,85		
385	0,83	445	0,94	505	0,76	565	1,12	625	504,74	685	1,79	745	0,26		
390	1,16	450	0,73	510	0,63	570	1,19	630	523,41	690	1,20	750	0,63		
395	0,61	455	0,62	515	0,52	575	1,73	635	403,41	695	1,65	755	1,63		
400	1,18	460	1,03	520	0,82	580	1,79	640	230,12	700	0,69	760	1,65		
405	0,97	465	0,94	525	1,00	585	3,25	645	110,69	705	1,21	765	1,01		
410	1,45	470	0,49	530	0,77	590	6,77	650	51,51	710	0,72	770	1,03		
415	1,15	475	0,54	535	0,75	595	17,90	655	24,64	715	1,06	775	2,18		
420	1,04	480	0,83	540	0,91	600	42,44	660	13,00	720	0,87	780	1,00		
425	0,63	485	0,74	545	0,41	605	85,06	665	6,72	725	0,76				
430	1,10	490	1,05	550	0,96	610	151,92	670	4,30	730	0,76				
435	1,23	495	0,75	555	0,82	615	251,40	675	2,57	735	0,26				

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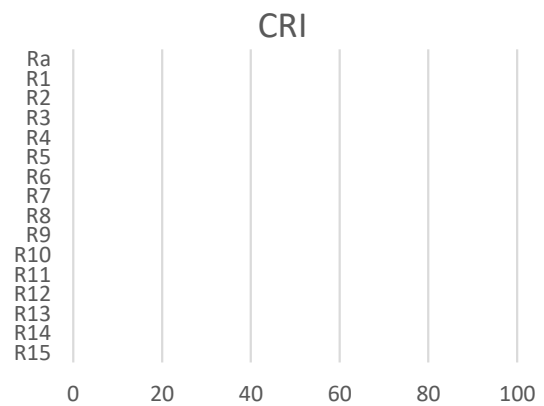
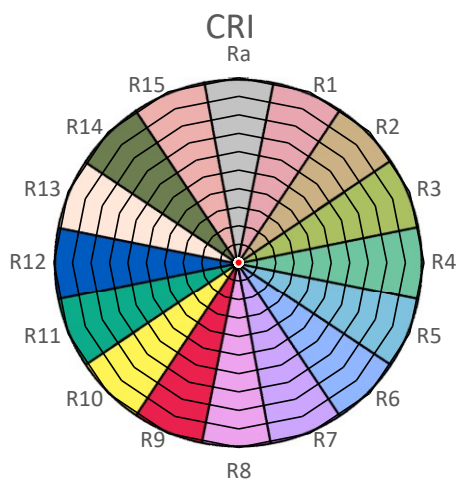
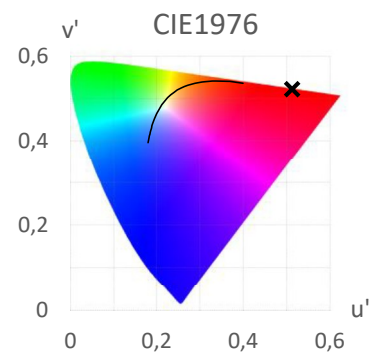
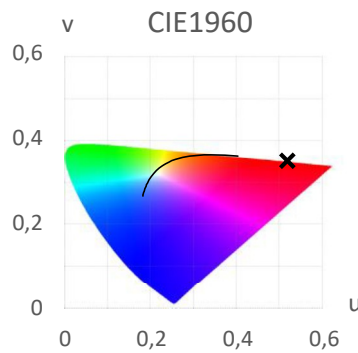
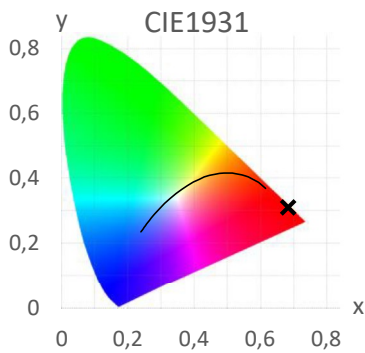
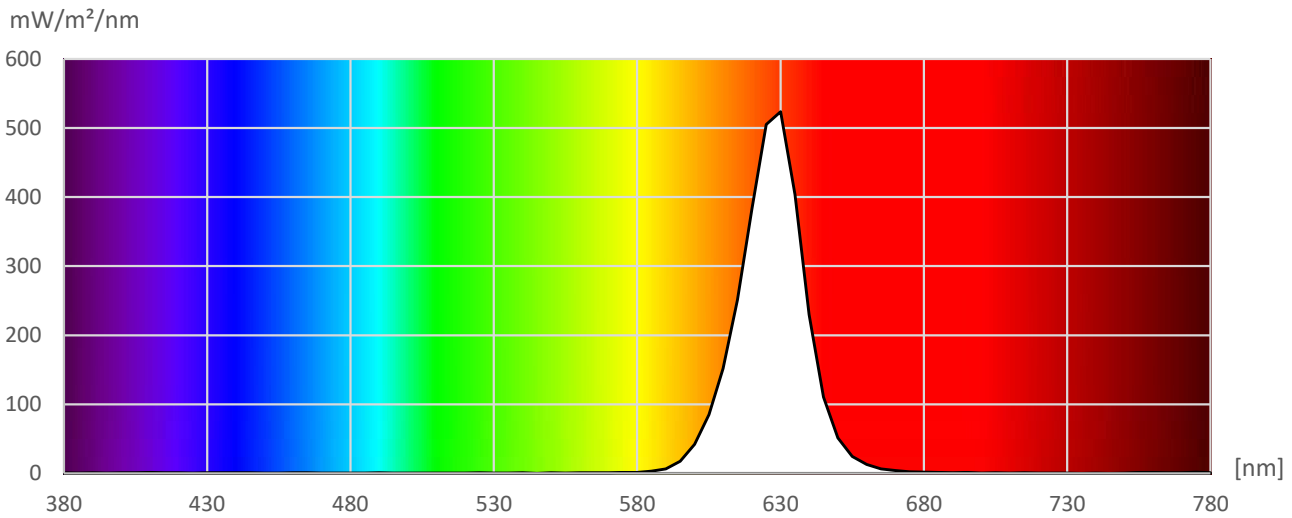
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW
 449223 / @ 3 m / red / narrow

Measurement file: 449223_3m_r_n.C
 Date of measurement: 23.03.2021
 Time of measurement: 16:31:57



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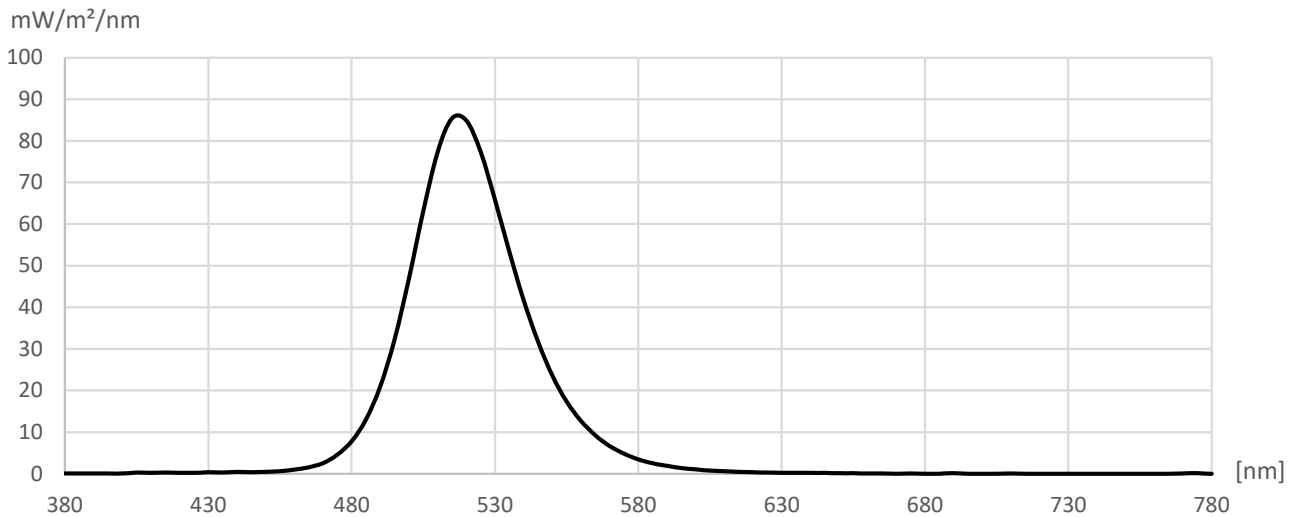
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 1m / green / wide

Measurement file: 449223_1m_gr_w_x.CS
 Date of measurement: 23.03.2021
 Time of measurement: 16:33:27



R1 = -32,4	Ra = -14,9	Illuminance	1815,12 lx	CIE1931
R2 = 1,6	Re = -45,0	Ee	4,023 W/m ²	x = 0,1612
R3 = -3,2	GAI = 1,5	LER	451,2 lm/W	y = 0,6865
R4 = -53,9				
R5 = -6,5		correlated color temperature (CCT)	8192 K	CIE1976
R6 = -6,0		Duv	0,1558	u' = 0,0591
R7 = 6,9				v' = 0,5660
R8 = -25,3		Saturation	69,6 %	
R9 = #####				CIE1960
R10 = -82,8		Dominant wavelength	519 nm	u = 0,0591
R11 = -79,9		Peak wavelength	517 nm	v = 0,3773
R12 = -18,1				
R13 = -36,2		Flicker frequency	% < 1.0 Hz	TM30
R14 = 48,4		Percent Flicker	< 1.0 %	Rf = 1,8
R15 = -35,9		Flicker index	% < 1.0	Rg = 12,8

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,05	440	0,41	500	46,97	560	12,70	620	0,36	680	0,01	740	0,00
385	0,10	445	0,40	505	63,28	565	9,24	625	0,30	685	0,02	745	0,01
390	0,07	450	0,47	510	77,37	570	6,69	630	0,23	690	0,12	750	0,00
395	0,08	455	0,62	515	85,34	575	4,82	635	0,24	695	0,00	755	0,00
400	0,06	460	0,97	520	84,95	580	3,47	640	0,18	700	0,02	760	0,00
405	0,27	465	1,56	525	77,37	585	2,49	645	0,18	705	0,00	765	0,00
410	0,21	470	2,55	530	65,82	590	1,87	650	0,11	710	0,03	770	0,10
415	0,28	475	4,56	535	53,28	595	1,37	655	0,11	715	0,00	775	0,11
420	0,21	480	7,82	540	41,83	600	1,03	660	0,05	720	0,00	780	0,00
425	0,23	485	12,97	545	31,83	605	0,77	665	0,08	725	0,00		
430	0,34	490	20,92	550	23,61	610	0,61	670	0,00	730	0,00		
435	0,33	495	32,28	555	17,31	615	0,47	675	0,04	735	0,02		

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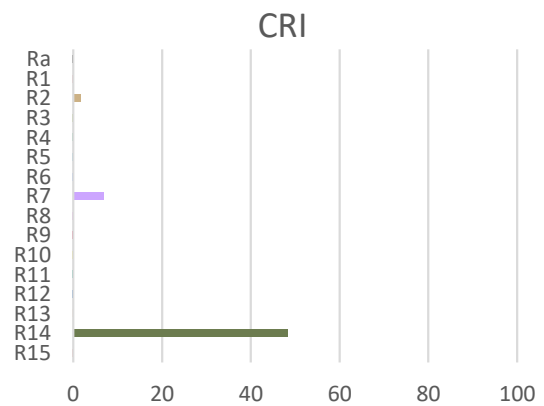
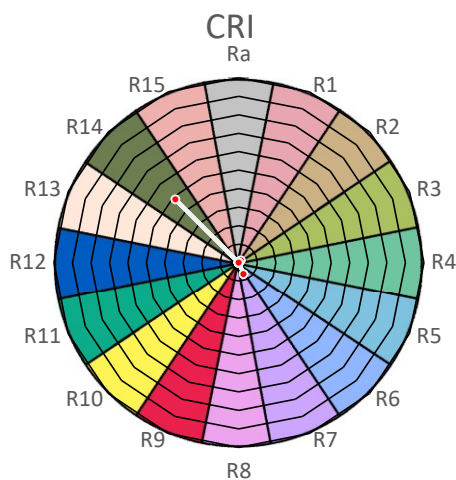
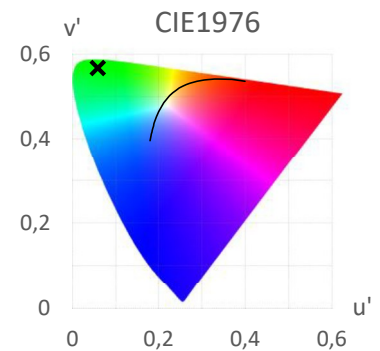
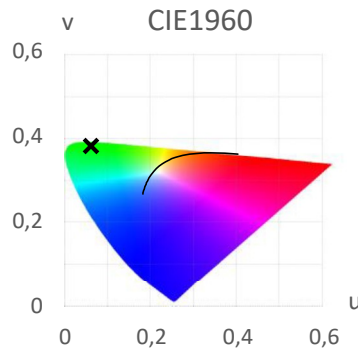
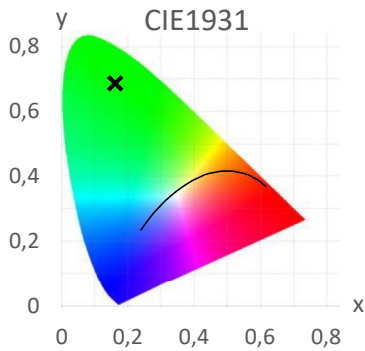
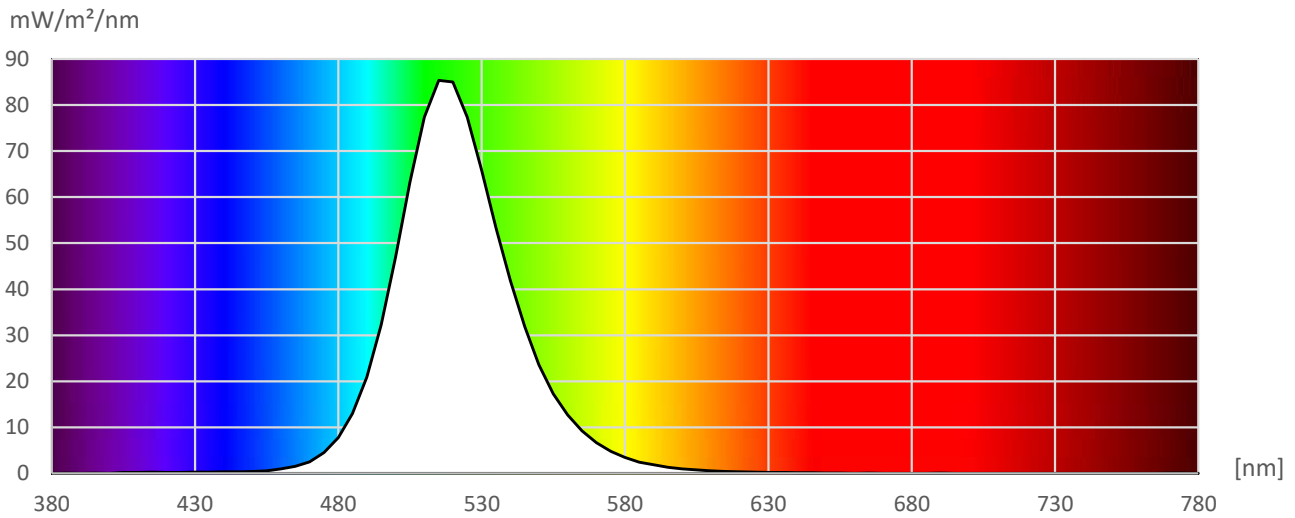
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 1m / green / wide

Measurement file: 449223_1m_gr_w_
 Date of measurement: 23.03.2021
 Time of measurement: 16:33:27



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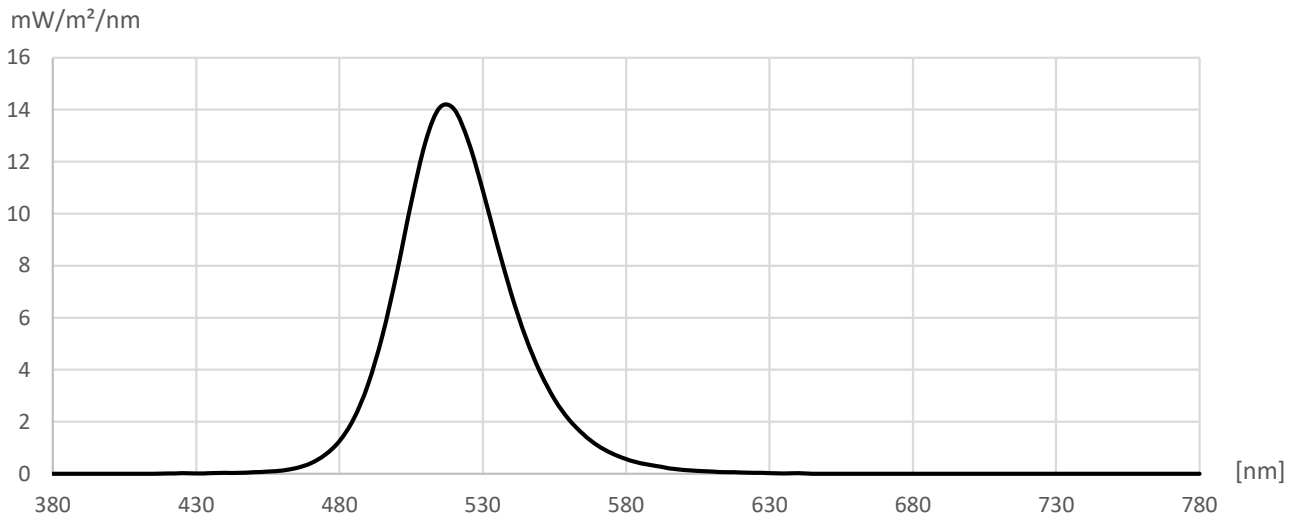
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / green / wide

Measurement file: 449223_3m_gr_w_x.CS
 Date of measurement: 23.03.2021
 Time of measurement: 16:33:38



R1 = -33,2	Ra = -17,0	Illuminance	299,06 lx	CIE1931
R2 = 0,1	Re = -47,1	Ee	0,659 W/m ²	x = 0,1602
R3 = -6,3	GAI = 1,3	LER	453,9 lm/W	y = 0,6910
R4 = -57,1				
R5 = -7,2		correlated color temperature (CCT)	8183 K	CIE1976
R6 = -7,3		Duv	0,1567	u' = 0,0584
R7 = 3,1		Saturation	70,4 %	v' = 0,5668
R8 = -27,7				
R9 = #####				CIE1960
R10 = -85,8		Dominant wavelength	519 nm	u = 0,0584
R11 = -83,0		Peak wavelength	517 nm	v = 0,3779
R12 = -18,9				
R13 = -37,2		Flicker frequency	% < 1.0 Hz	TM30
R14 = 46,9		Percent Flicker	< 1.0 %	Rf = 1,4
R15 = -36,9		Flicker index	% < 1.0	Rg = 11,4

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,00	440	0,03	500	7,73	560	2,08	620	0,05	680	0,00	740	0,00
385	0,00	445	0,03	505	10,43	565	1,52	625	0,03	685	0,00	745	0,00
390	0,00	450	0,06	510	12,77	570	1,09	630	0,03	690	0,00	750	0,00
395	0,00	455	0,08	515	14,07	575	0,79	635	0,01	695	0,00	755	0,00
400	0,00	460	0,12	520	14,01	580	0,56	640	0,02	700	0,00	760	0,00
405	0,00	465	0,22	525	12,77	585	0,41	645	0,00	705	0,00	765	0,00
410	0,00	470	0,40	530	10,89	590	0,31	650	0,00	710	0,00	770	0,00
415	0,00	475	0,73	535	8,81	595	0,21	655	0,00	715	0,00	775	0,00
420	0,01	480	1,26	540	6,90	600	0,15	660	0,00	720	0,00	780	0,00
425	0,02	485	2,11	545	5,24	605	0,11	665	0,00	725	0,00		
430	0,01	490	3,44	550	3,90	610	0,08	670	0,00	730	0,00		
435	0,02	495	5,32	555	2,86	615	0,06	675	0,00	735	0,00		

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Burgebrach, 24.03.2021

First, last name of inspector

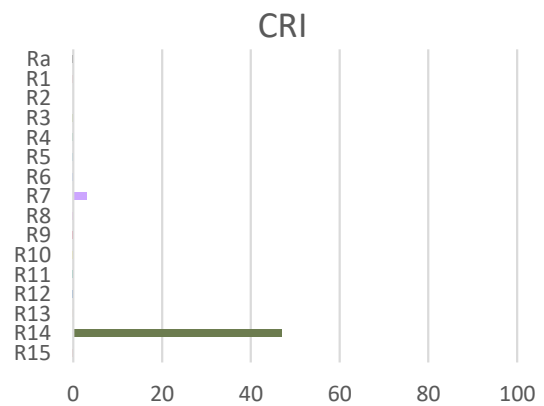
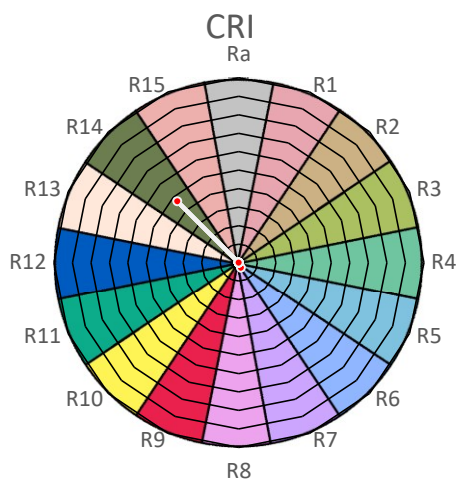
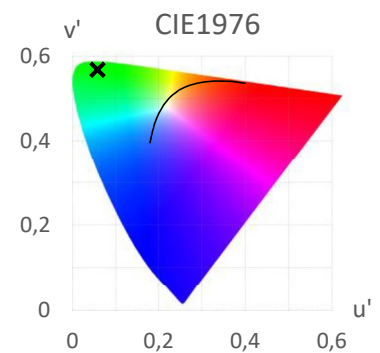
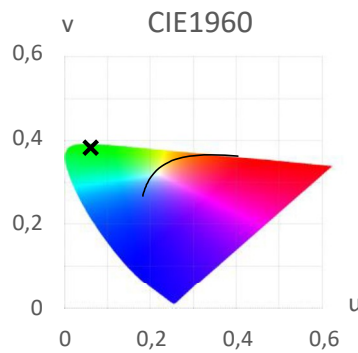
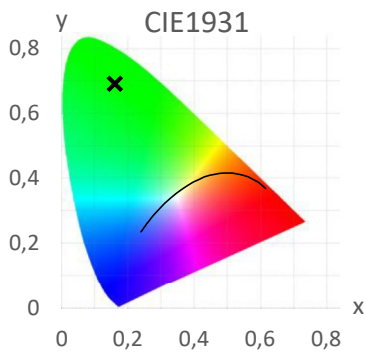
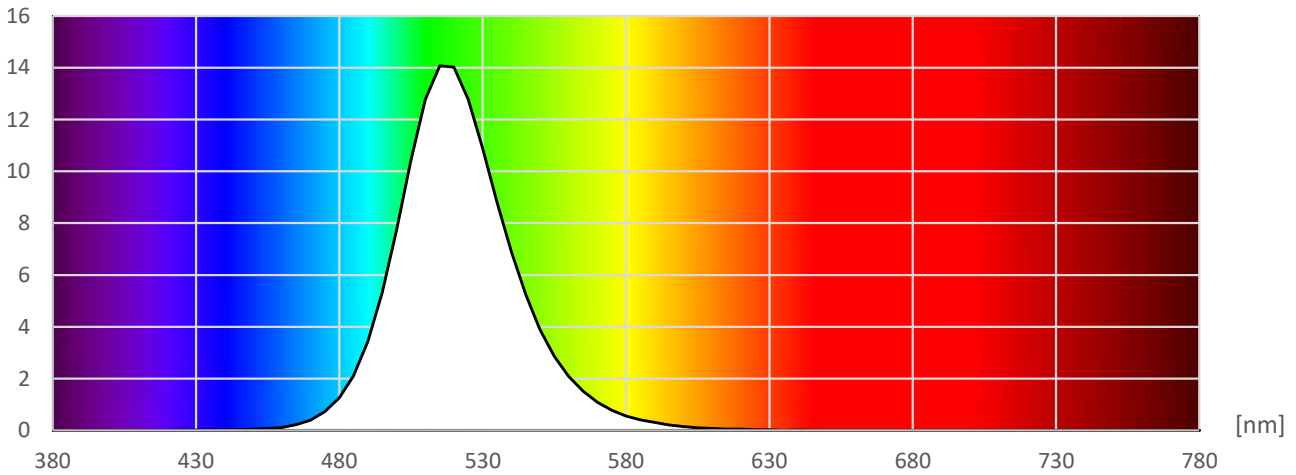
Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / green / wide

Measurement file: 449223_3m_gr_w_
 Date of measurement: 23.03.2021
 Time of measurement: 16:33:38

mW/m²/nm



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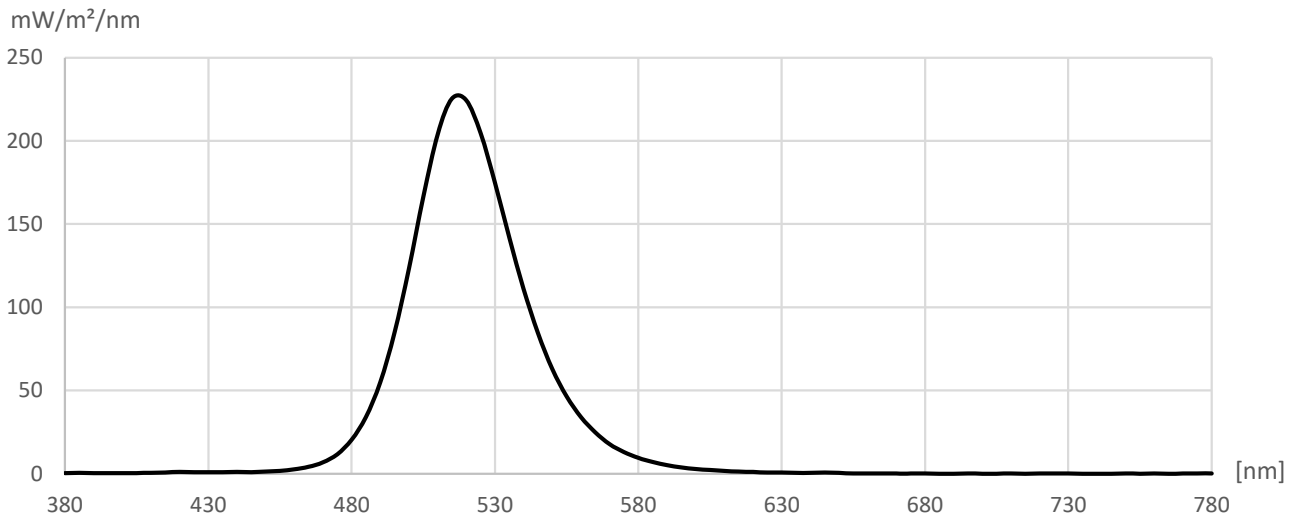
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / green / narrow

Measurement file: 449223_3m_gr_n_x.CS
 Date of measurement: 23.03.2021
 Time of measurement: 16:33:14



R1 = -32,1	Ra = -14,4	Illuminance	4814,83 lx	CIE1931
R2 = 2,0	Re = -44,5	Ee	10,665 W/m ²	x = 0,1625
R3 = -2,6	GAI = 1,6	LER	451,5 lm/W	y = 0,6858
R4 = -53,3				
R5 = -6,3		correlated color temperature (CCT)	8172 K	CIE1976
R6 = -5,6		Duv	0,1553	u' = 0,0596
R7 = 7,5		Saturation	69,4 %	v' = 0,5660
R8 = -24,9				
R9 = #####				CIE1960
R10 = -82,1		Dominant wavelength	519 nm	u = 0,0596
R11 = -79,3		Peak wavelength	517 nm	v = 0,3774
R12 = -17,9				
R13 = -35,8		Flicker frequency	% < 1.0 Hz	TM30
R14 = 48,7		Percent Flicker	< 1.0 %	Rf = 1,9
R15 = -35,7		Flicker index	% < 1.0	Rg = 13,2

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,40	440	1,08	500	123,41	560	33,97	620	1,08	680	0,12	740	0,00
385	0,53	445	0,93	505	166,66	565	24,93	625	0,73	685	0,01	745	0,00
390	0,36	450	1,35	510	204,11	570	17,76	630	0,71	690	0,03	750	0,17
395	0,42	455	1,76	515	225,34	575	13,08	635	0,59	695	0,10	755	0,06
400	0,43	460	2,65	520	224,34	580	9,47	640	0,45	700	0,06	760	0,14
405	0,43	465	4,16	525	204,56	585	7,03	645	0,79	705	0,06	765	0,01
410	0,56	470	6,81	530	174,70	590	5,13	650	0,45	710	0,11	770	0,07
415	0,77	475	11,75	535	141,64	595	3,86	655	0,12	715	0,03	775	0,25
420	1,10	480	20,49	540	111,15	600	2,81	660	0,23	720	0,08	780	0,11
425	0,94	485	34,03	545	84,70	605	2,33	665	0,23	725	0,10		
430	0,90	490	54,90	550	62,88	610	1,65	670	0,08	730	0,09		
435	0,95	495	84,95	555	46,43	615	1,27	675	0,07	735	0,00		

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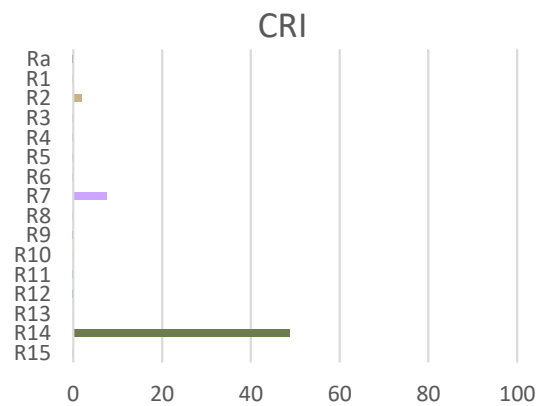
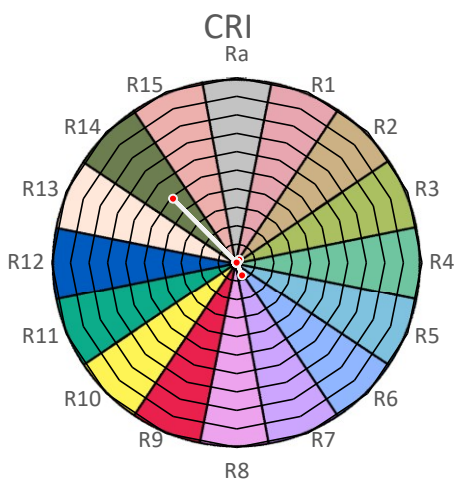
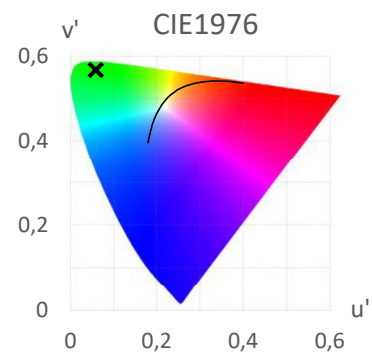
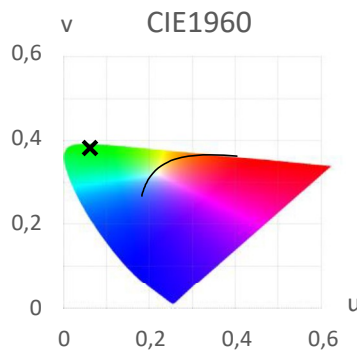
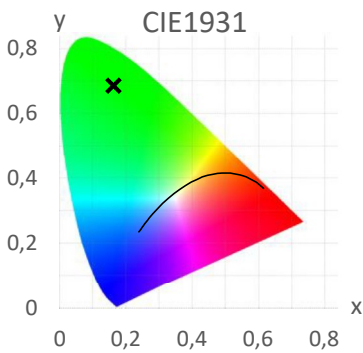
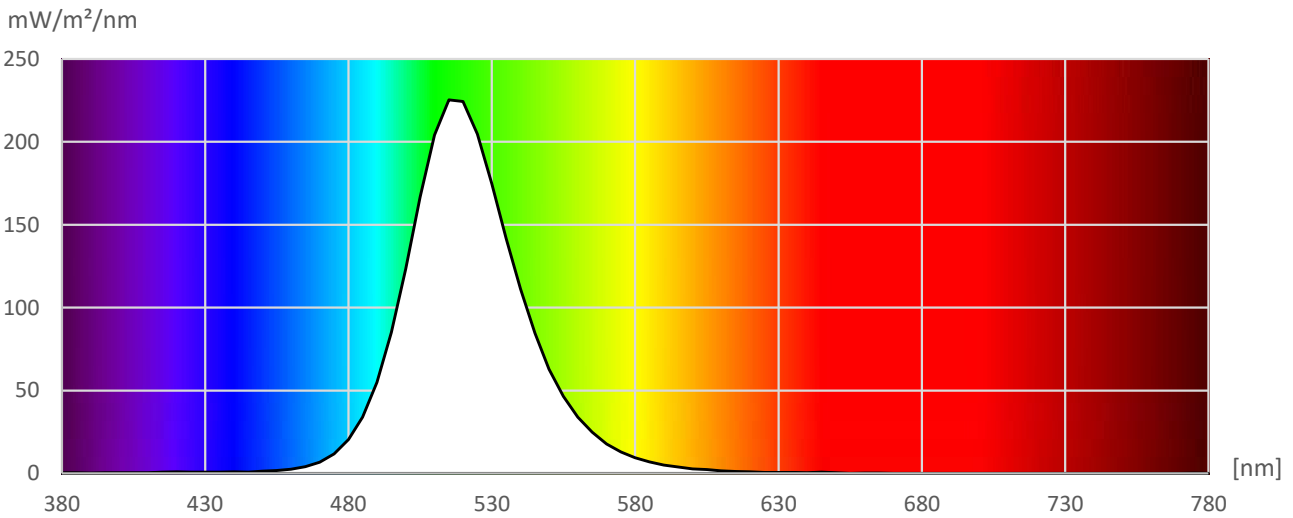
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / green / narrow

Measurement file: 449223_3m_gr_n_
 Date of measurement: 23.03.2021
 Time of measurement: 16:33:14



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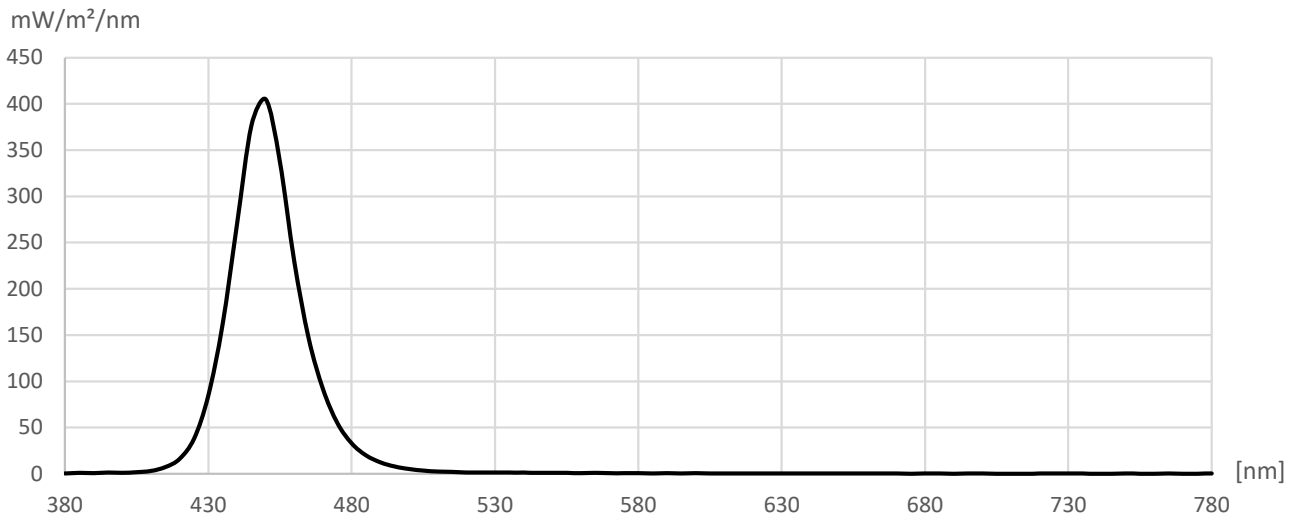
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 1m / blue / wide

Measurement file: 449223_1m_b_w.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:34:11



R1 = -	Ra = -	Illuminance	422,85 lx	CIE1931
R2 = -	Re = -	Ee	11,664 W/m ²	x = 0,1542
R3 = -	GAI = -	LER	36,3 lm/W	y = 0,0272
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,2043
R7 = -				v' = 0,0811
R8 = -		Saturation	98,1 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	439 nm	u = 0,2043
R11 = -		Peak wavelength	449 nm	v = 0,0541
R12 = -				
R13 = -		Flicker frequency	% < 1.0 Hz	TM30
R14 = -		Percent Flicker	< 1.0 %	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,30	440	269,32	500	5,07	560	0,59	620	0,27	680	0,16	740	0,00
385	0,86	445	376,14	505	3,29	565	0,91	625	0,31	685	0,13	745	0,00
390	0,69	450	405,03	510	2,47	570	0,46	630	0,24	690	0,11	750	0,35
395	1,45	455	337,76	515	1,84	575	0,54	635	0,26	695	0,13	755	0,09
400	0,92	460	230,18	520	1,43	580	0,50	640	0,24	700	0,22	760	0,01
405	1,54	465	146,80	525	1,34	585	0,43	645	0,19	705	0,06	765	0,17
410	2,90	470	91,60	530	1,39	590	0,52	650	0,39	710	0,06	770	0,02
415	7,16	475	54,73	535	1,17	595	0,41	655	0,18	715	0,06	775	0,09
420	16,06	480	32,79	540	1,17	600	0,58	660	0,18	720	0,15	780	0,16
425	38,07	485	19,96	545	1,00	605	0,32	665	0,19	725	0,31		
430	83,98	490	12,41	550	0,85	610	0,36	670	0,14	730	0,28		
435	161,24	495	7,82	555	0,84	615	0,25	675	0,08	735	0,15		

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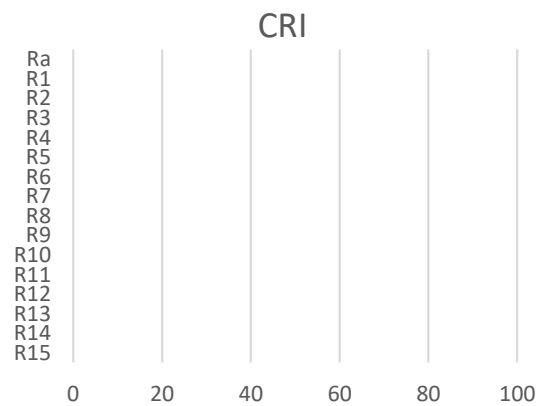
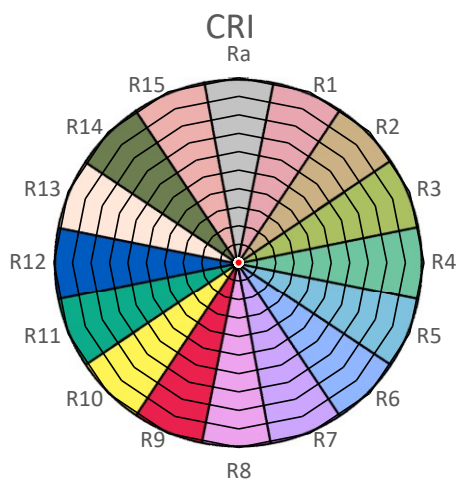
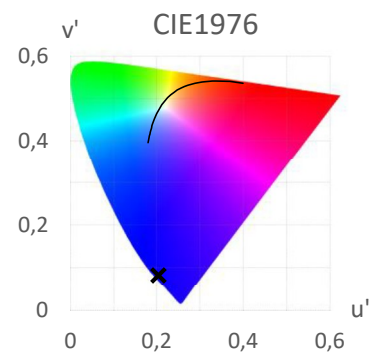
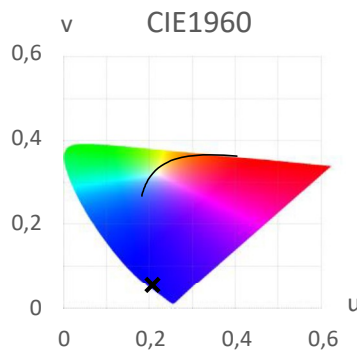
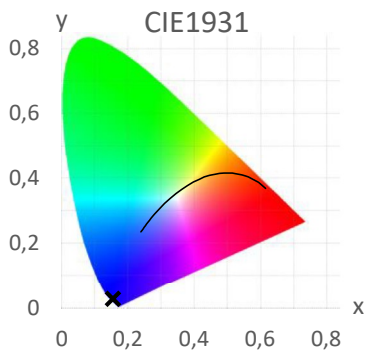
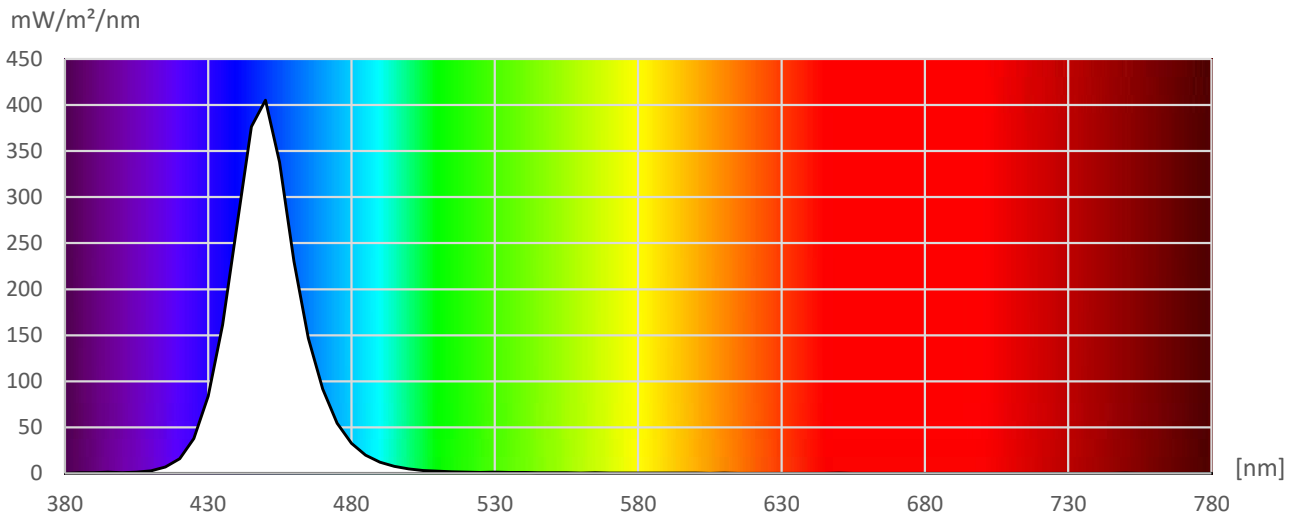
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 1m / blue / wide

Measurement file: 449223_1m_b_w.c
 Date of measurement: 23.03.2021
 Time of measurement: 16:34:11



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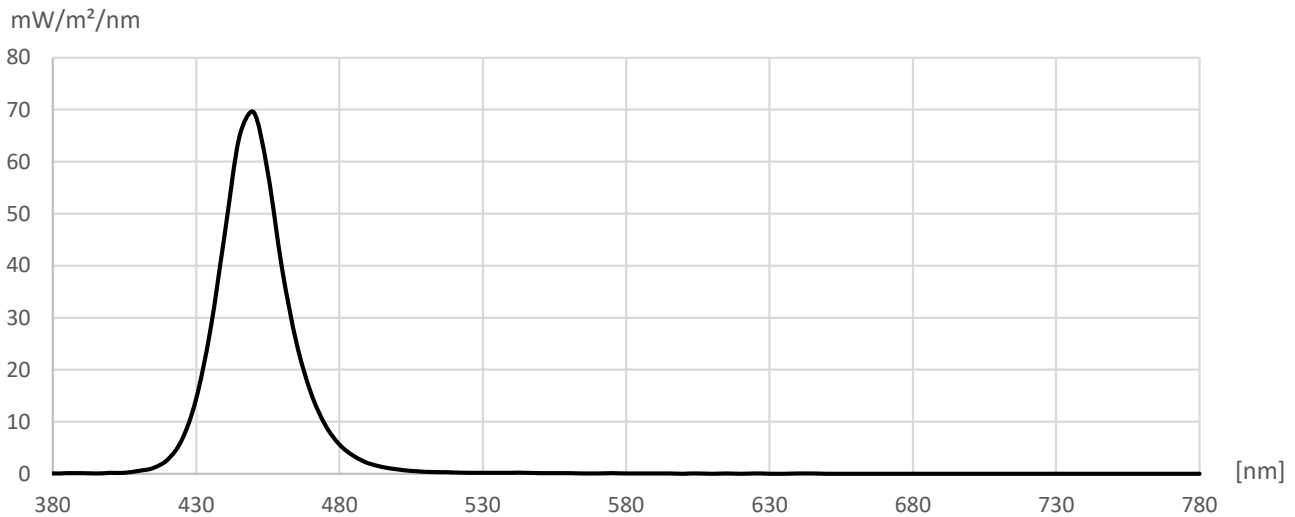
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / blue / wide

Measurement file: 449223_3m_b_w.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:34:22



R1 = -	Ra = -	Illuminance	70,36 lx	CIE1931
R2 = -	Re = -	Ee	1,990 W/m ²	x = 0,1538
R3 = -	GAI = -	LER	35,4 lm/W	y = 0,0264
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,2044
R7 = -				v' = 0,0790
R8 = -		Saturation	98,4 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	439 nm	u = 0,2044
R11 = -		Peak wavelength	449 nm	v = 0,0527
R12 = -				
R13 = -		Flicker frequency	% < 1.0 Hz	TM30
R14 = -		Percent Flicker	< 1.0 %	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,02	440	46,22	500	0,83	560	0,09	620	0,01	680	0,00	740	0,00
385	0,08	445	64,61	505	0,54	565	0,08	625	0,05	685	0,00	745	0,00
390	0,11	450	69,53	510	0,37	570	0,04	630	0,02	690	0,00	750	0,00
395	0,06	455	58,01	515	0,29	575	0,10	635	0,02	695	0,00	755	0,00
400	0,15	460	39,46	520	0,26	580	0,03	640	0,03	700	0,00	760	0,00
405	0,19	465	25,19	525	0,18	585	0,07	645	0,04	705	0,00	765	0,00
410	0,56	470	15,61	530	0,17	590	0,05	650	0,01	710	0,00	770	0,00
415	1,08	475	9,38	535	0,15	595	0,03	655	0,01	715	0,00	775	0,00
420	2,71	480	5,59	540	0,16	600	0,02	660	0,00	720	0,02	780	0,00
425	6,54	485	3,41	545	0,20	605	0,05	665	0,01	725	0,00		
430	14,32	490	2,04	550	0,12	610	0,01	670	0,00	730	0,00		
435	27,67	495	1,30	555	0,12	615	0,03	675	0,00	735	0,00		

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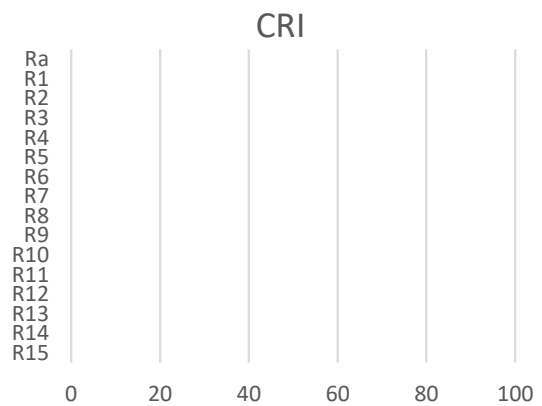
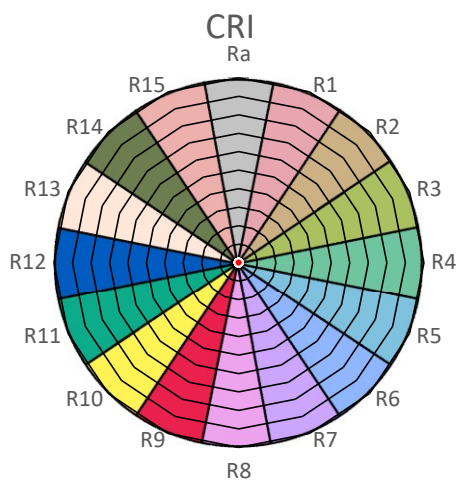
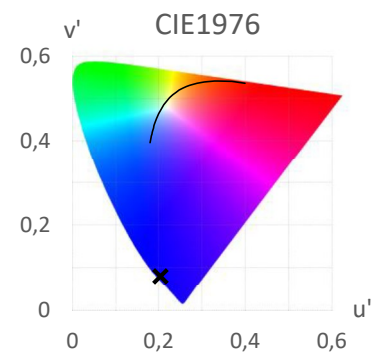
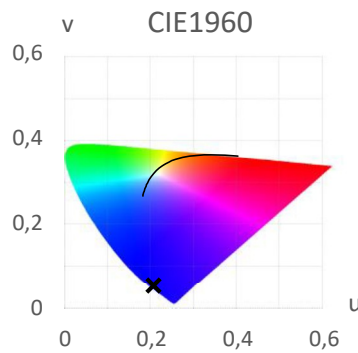
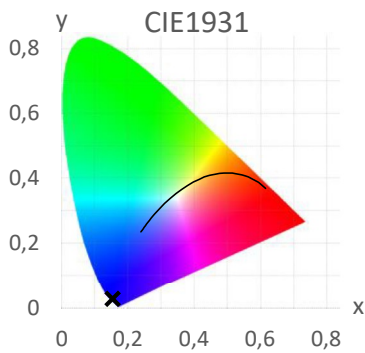
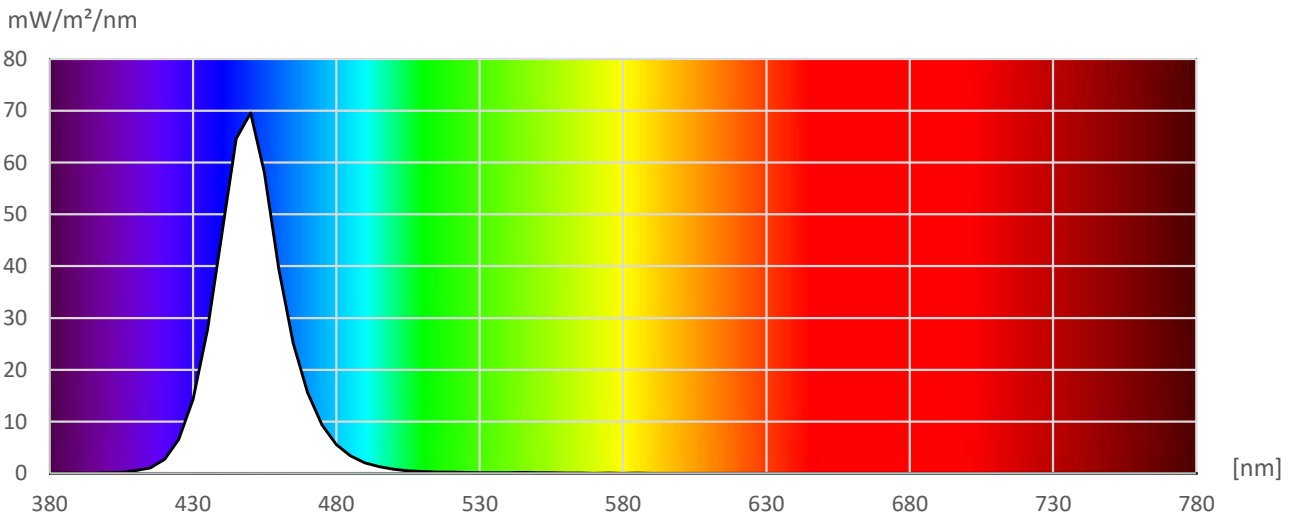
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / blue / wide

Measurement file: 449223_3m_b_w.c
 Date of measurement: 23.03.2021
 Time of measurement: 16:34:22



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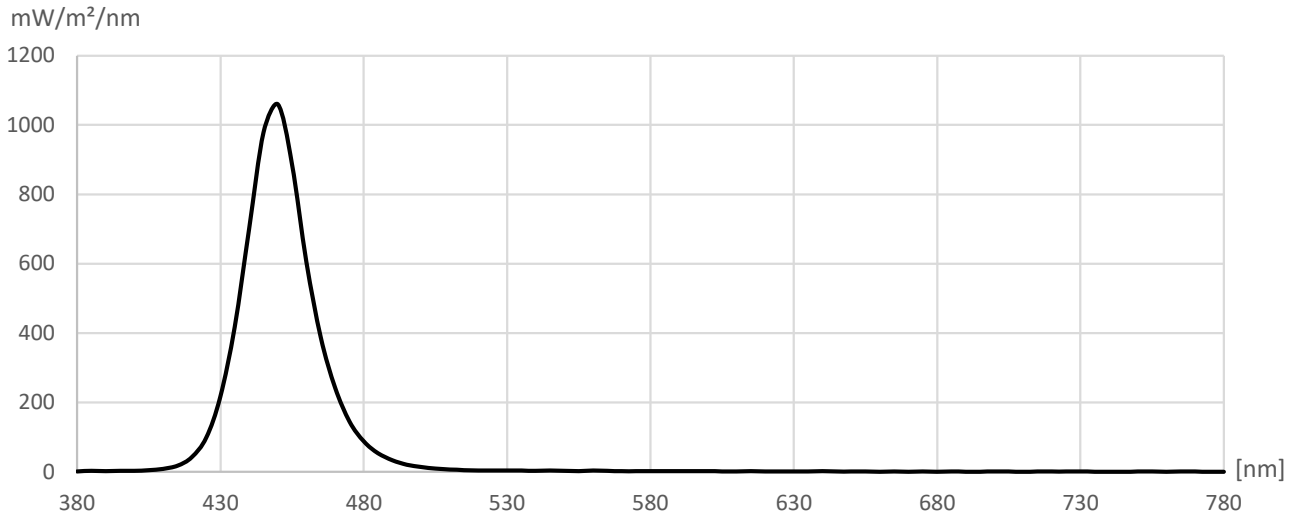
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / blue / narrow

Measurement file: 449223_3m_b_n_x.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:33:59



R1 = -	Ra = -	Illuminance	1127,88 lx	CIE1931
R2 = -	Re = -	Ee	30,546 W/m ²	x = 0,1544
R3 = -	GAI = -	LER	36,9 lm/W	y = 0,0277
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,2042
R7 = -				v' = 0,0825
R8 = -		Saturation	98 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	439 nm	u = 0,2042
R11 = -		Peak wavelength	449 nm	v = 0,0550
R12 = -				
R13 = -		Flicker frequency	% < 1.0 Hz	TM30
R14 = -		Percent Flicker	< 1.0 %	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	1,17	440	700,24	500	13,66	560	3,61	620	0,83	680	0,02	740	0,00
385	2,83	445	978,85	505	8,98	565	2,38	625	0,94	685	1,18	745	0,00
390	2,06	450	1059,15	510	6,56	570	1,26	630	0,48	690	0,23	750	0,39
395	2,76	455	887,18	515	4,83	575	1,61	635	0,84	695	0,24	755	0,59
400	2,86	460	605,46	520	3,76	580	1,88	640	1,63	700	0,86	760	0,01
405	4,01	465	387,80	525	3,60	585	1,69	645	0,45	705	0,32	765	0,83
410	8,31	470	242,45	530	3,19	590	1,38	650	0,53	710	0,14	770	0,34
415	17,16	475	144,95	535	3,09	595	1,27	655	0,47	715	0,31	775	0,00
420	42,10	480	86,94	540	2,94	600	1,63	660	0,21	720	0,33	780	0,29
425	98,36	485	53,48	545	3,22	605	1,17	665	0,45	725	0,32		
430	216,29	490	33,40	550	2,74	610	1,12	670	0,16	730	0,66		
435	417,38	495	20,46	555	1,92	615	1,35	675	0,37	735	0,28		

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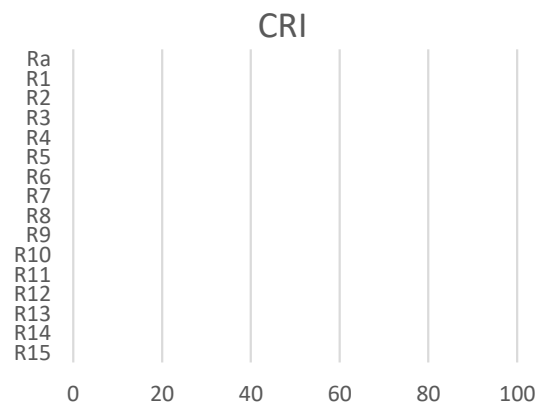
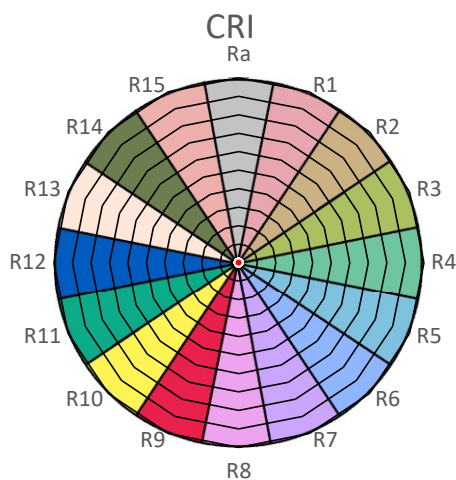
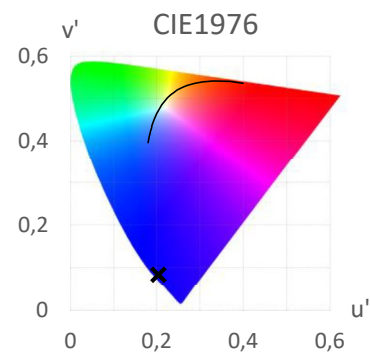
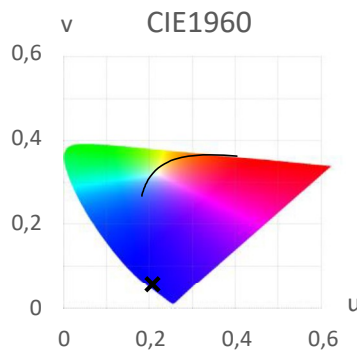
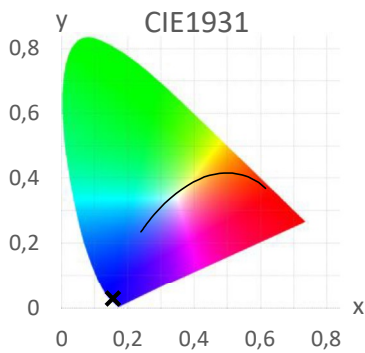
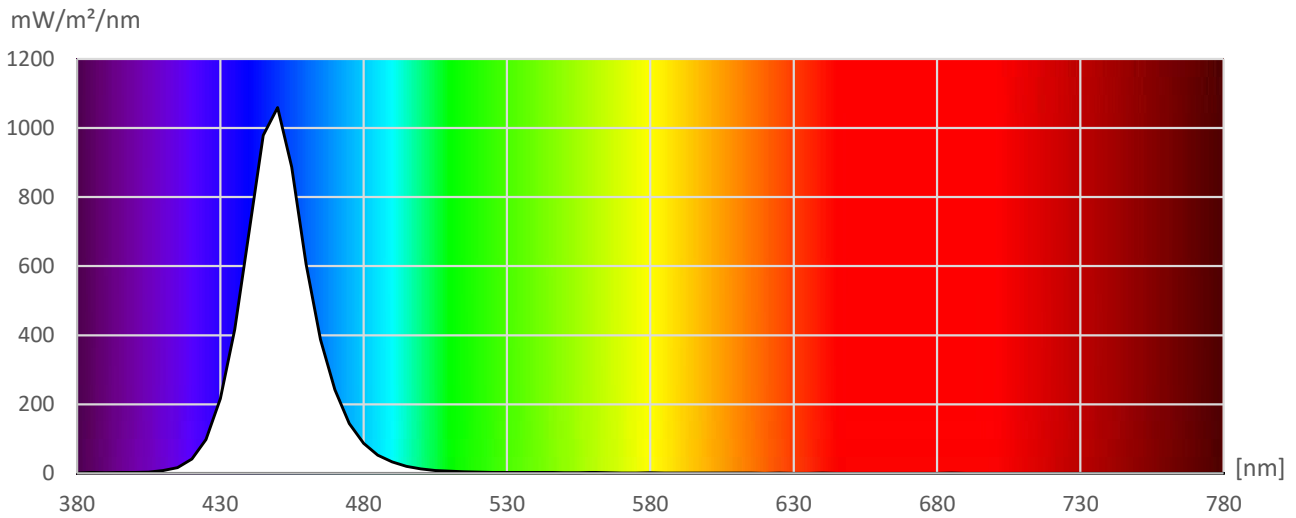
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / blue / narrow

Measurement file: 449223_3m_b_n_>
 Date of measurement: 23.03.2021
 Time of measurement: 16:33:59



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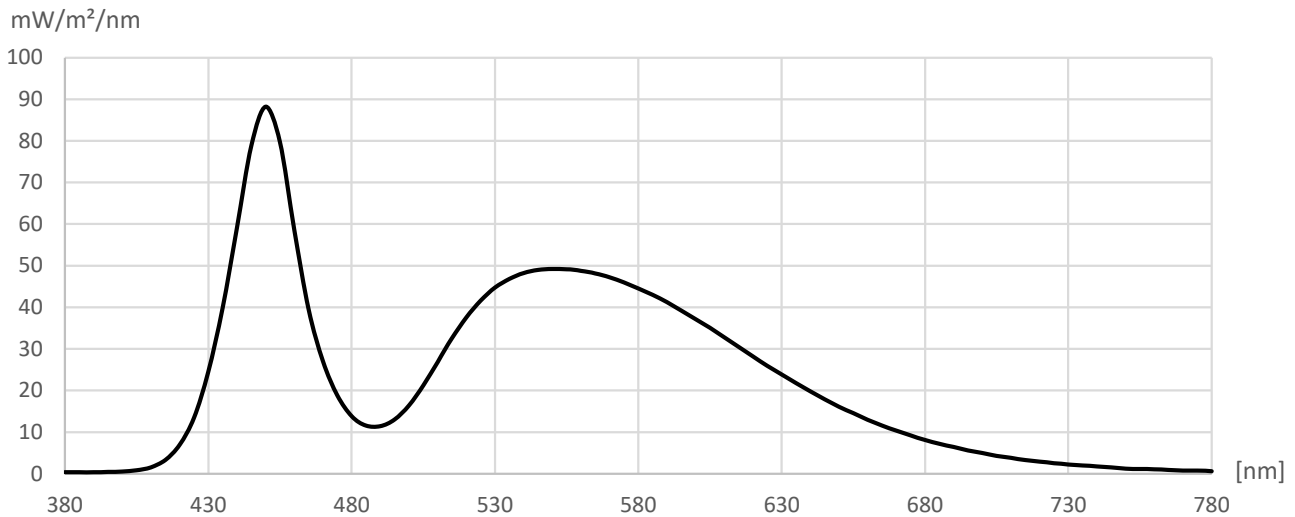
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 1m / cw / wide

Measurement file: 449223_1m_cw_w.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:35:02



R1 = 71,8	Ra = 73,2	Illuminance	2886,89 lx	CIE1931
R2 = 76,9	Re = 63,3	Ee	9,124 W/m ²	x = 0,3138
R3 = 77,1	GAI = 86,8	LER	316,4 lm/W	y = 0,3266
R4 = 74,1				
R5 = 72,2		correlated color temperature (CCT)	6461 K	CIE1976
R6 = 67,1		Duv	0,0014	u' = 0,1995
R7 = 82,7		Saturation	7,2 %	v' = 0,4672
R8 = 64,1				CIE1960
R9 = -17,3		Dominant wavelength	484 nm	u = 0,1995
R10 = 41,8		Peak wavelength	449 nm	v = 0,3115
R11 = 69,8				
R12 = 41,4		Flicker frequency	% < 1.0 Hz	TM30
R13 = 72,3		Percent Flicker	< 1.0 %	Rf = 69,7
R14 = 86,9		Flicker index	% < 1.0	Rg = 93,8
R15 = 68,3				

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,35	440	59,11	500	16,41	560	48,79	620	28,20	680	8,11	740	1,79
385	0,35	445	78,86	505	21,25	565	48,16	625	25,95	685	7,20	745	1,53
390	0,35	450	88,19	510	26,87	570	47,23	630	23,87	690	6,42	750	1,23
395	0,44	455	79,89	515	32,53	575	45,96	635	21,81	695	5,62	755	1,15
400	0,52	460	58,75	520	37,55	580	44,51	640	19,82	700	4,96	760	1,08
405	0,82	465	39,55	525	41,59	585	42,99	645	17,91	705	4,32	765	0,90
410	1,53	470	27,05	530	44,75	590	41,19	650	16,13	710	3,79	770	0,78
415	3,32	475	18,83	535	46,81	595	39,22	655	14,54	715	3,31	775	0,76
420	6,94	480	13,83	540	48,25	600	37,18	660	12,99	720	2,92	780	0,62
425	13,50	485	11,56	545	48,99	605	35,05	665	11,60	725	2,54		
430	24,37	490	11,44	550	49,22	610	32,77	670	10,36	730	2,25		
435	39,76	495	13,04	555	49,17	615	30,46	675	9,18	735	2,00		

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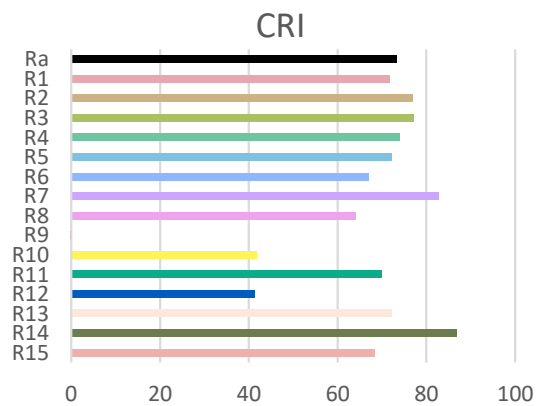
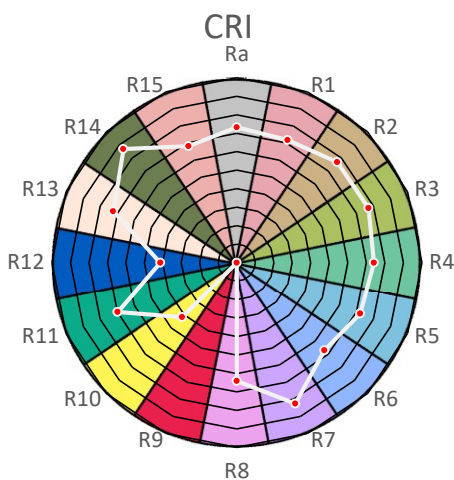
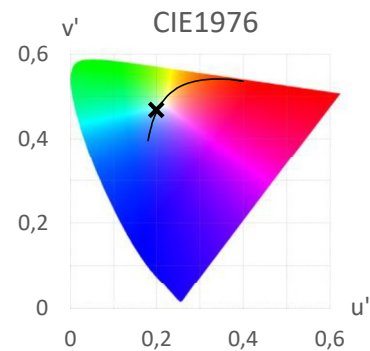
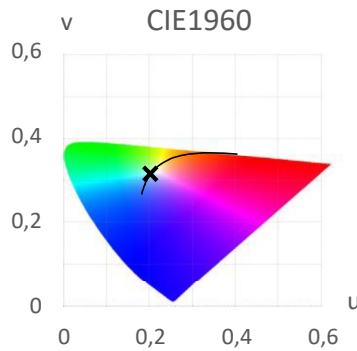
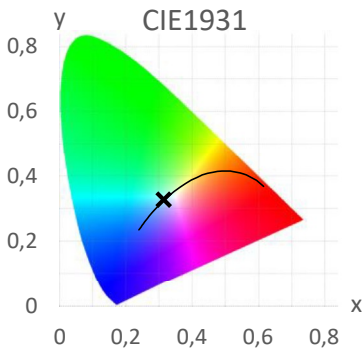
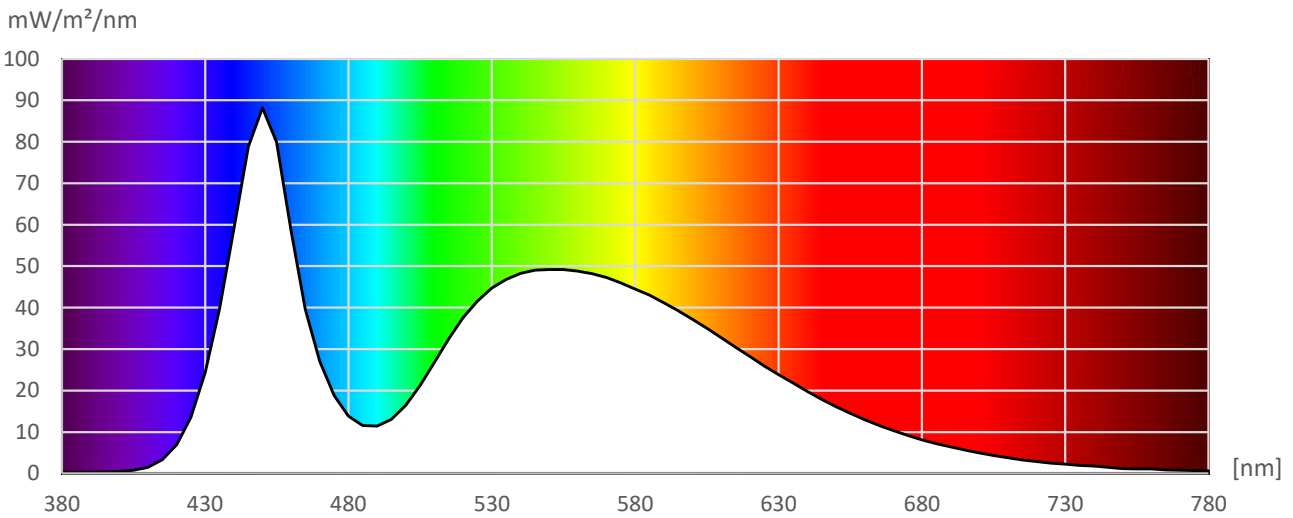
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 1m / cw / wide

Measurement file: 449223_1m_cw_w
 Date of measurement: 23.03.2021
 Time of measurement: 16:35:02



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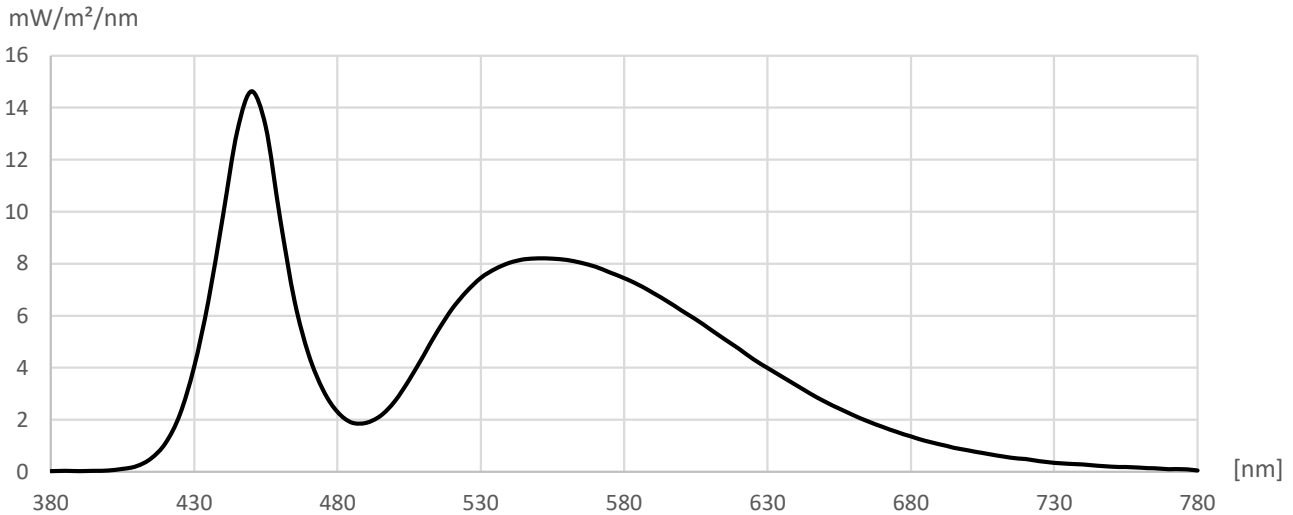
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / cw / wide

Measurement file: 449223_3m_cw_w.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:35:15



R1 = 71,7	Ra = 73,2	Illuminance	481,5 lx	CIE1931
R2 = 76,9	Re = 63,2	Ee	1,516 W/m ²	x = 0,3145
R3 = 77,2	GAI = 86,7	LER	317,6 lm/W	y = 0,3272
R4 = 74,1				
R5 = 72,1		correlated color temperature (CCT)	6420 K	CIE1976
R6 = 67,0		Duv	0,0014	u' = 0,1997
R7 = 82,7				v' = 0,4676
R8 = 64,0		Saturation	6,9 %	
R9 = -17,5				CIE1960
R10 = 41,8		Dominant wavelength	484 nm	u = 0,1997
R11 = 69,8		Peak wavelength	449 nm	v = 0,3118
R12 = 41,3				
R13 = 72,3		Flicker frequency	% < 1.0 Hz	TM30
R14 = 86,9		Percent Flicker	< 1.0 %	Rf = 69,7
R15 = 68,2		Flicker index	% < 1.0	Rg = 93,8

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,02	440	9,81	500	2,72	560	8,14	620	4,73	680	1,36	740	0,28
385	0,04	445	13,09	505	3,53	565	8,03	625	4,34	685	1,19	745	0,23
390	0,03	450	14,63	510	4,47	570	7,88	630	3,99	690	1,06	750	0,19
395	0,04	455	13,27	515	5,41	575	7,67	635	3,66	695	0,92	755	0,18
400	0,05	460	9,75	520	6,26	580	7,45	640	3,32	700	0,82	760	0,16
405	0,11	465	6,59	525	6,93	585	7,19	645	3,00	705	0,72	765	0,13
410	0,22	470	4,49	530	7,45	590	6,88	650	2,70	710	0,63	770	0,10
415	0,51	475	3,13	535	7,80	595	6,56	655	2,43	715	0,54	775	0,10
420	1,11	480	2,29	540	8,04	600	6,20	660	2,17	720	0,48	780	0,05
425	2,21	485	1,89	545	8,16	605	5,85	665	1,94	725	0,40		
430	4,02	490	1,88	550	8,20	610	5,48	670	1,73	730	0,34		
435	6,57	495	2,15	555	8,19	615	5,10	675	1,53	735	0,30		

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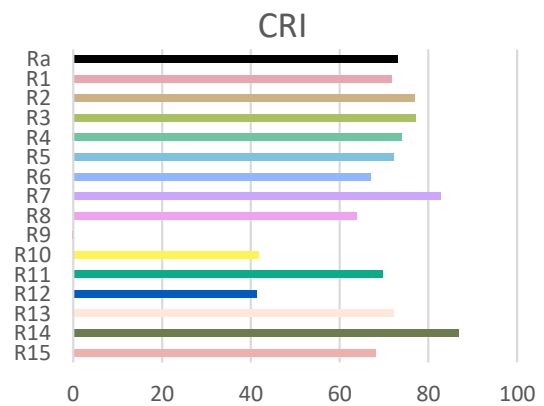
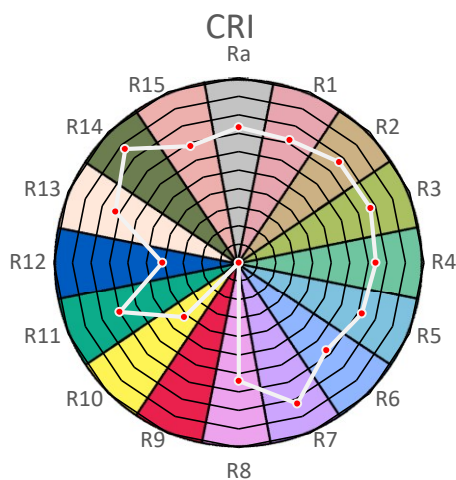
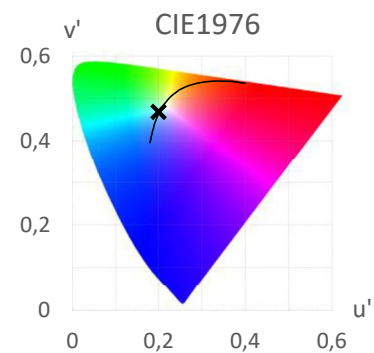
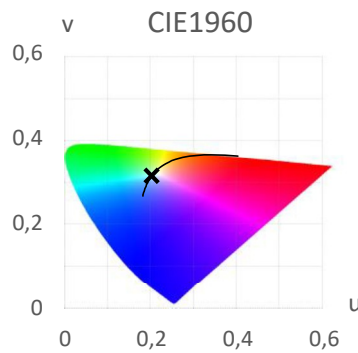
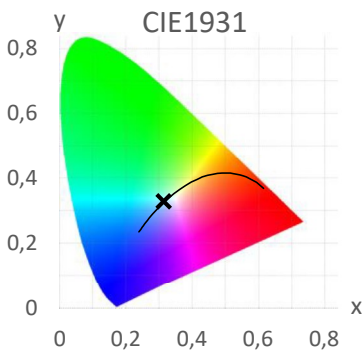
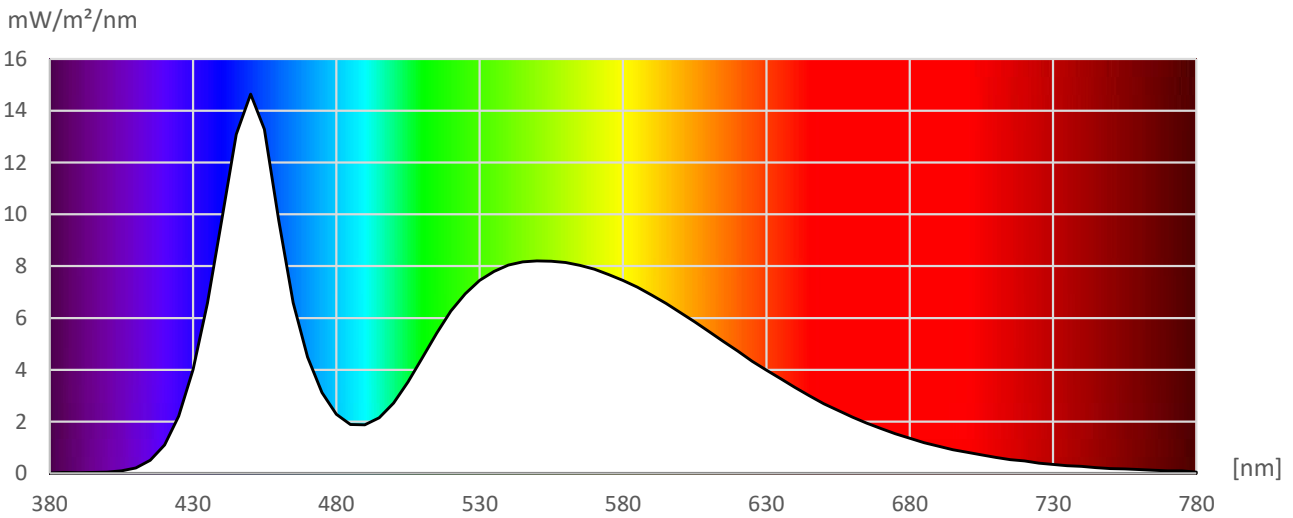
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / cw / wide

Measurement file: 449223_3m_cw_w
 Date of measurement: 23.03.2021
 Time of measurement: 16:35:15



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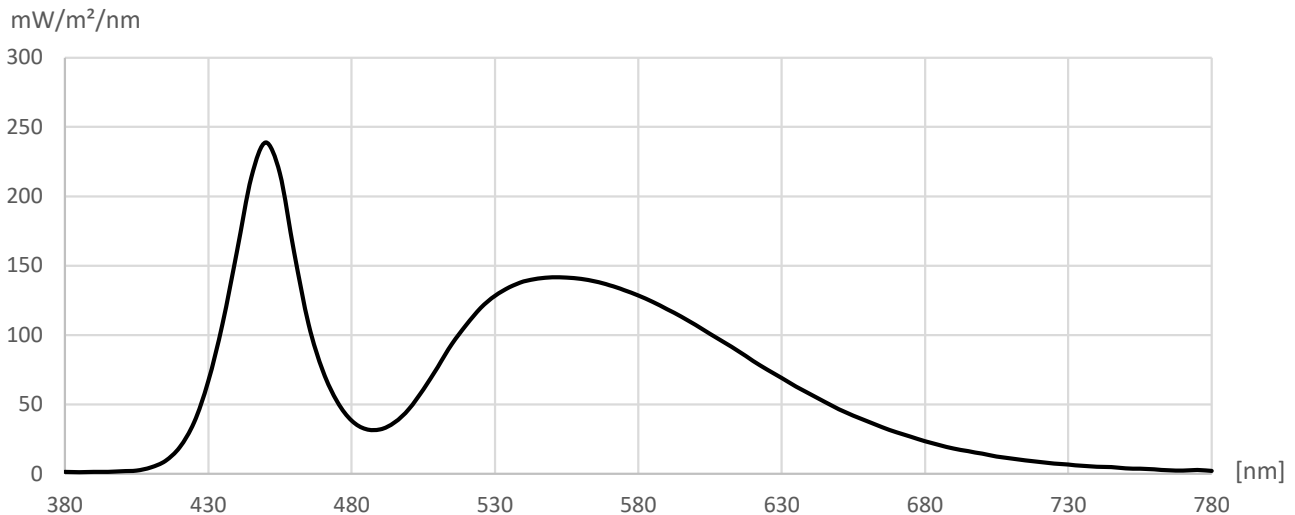
First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / cw / narrow

Measurement file: 449223_3m_cw_n.CSV
 Date of measurement: 23.03.2021
 Time of measurement: 16:34:47



R1 = 70,5	Ra = 72,5	Illuminance	8291,67 lx	CIE1931
R2 = 76,4	Re = 62,2	Ee	25,831 W/m ²	x = 0,3181
R3 = 77,9	GAI = 84,8	LER	321,0 lm/W	y = 0,3337
R4 = 73,1				
R5 = 71,0		correlated color temperature (CCT)	6194 K	CIE1976
R6 = 66,7		Duv	0,0029	u' = 0,1998
R7 = 82,4				v' = 0,4716
R8 = 62,3		Saturation	5,1 %	
R9 = -22,0				CIE1960
R10 = 41,2		Dominant wavelength	489 nm	u = 0,1998
R11 = 68,6		Peak wavelength	449 nm	v = 0,3144
R12 = 40,8				
R13 = 71,1		Flicker frequency	0 Hz	TM30
R14 = 87,3		Percent Flicker	1 %	Rf = 69,7
R15 = 66,3		Flicker index	0,002	Rg = 93,5

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	1,40	440	160,22	500	46,65	560	140,43	620	81,39	680	23,50	740	5,00
385	1,16	445	213,76	505	60,88	565	138,63	625	75,04	685	20,71	745	4,81
390	1,30	450	238,85	510	76,94	570	135,95	630	69,01	690	18,16	750	3,96
395	1,44	455	216,62	515	93,45	575	132,48	635	62,91	695	16,20	755	3,53
400	1,78	460	159,33	520	107,34	580	128,51	640	57,36	700	14,36	760	3,23
405	2,31	465	107,82	525	119,42	585	123,91	645	51,90	705	12,50	765	2,40
410	4,47	470	73,87	530	128,38	590	118,69	650	46,45	710	11,04	770	2,28
415	9,22	475	51,80	535	134,45	595	113,22	655	41,99	715	9,65	775	2,61
420	19,09	480	38,22	540	138,57	600	107,35	660	37,72	720	8,48	780	2,10
425	37,03	485	32,20	545	140,63	605	100,92	665	33,64	725	7,44		
430	66,43	490	31,98	550	141,58	610	94,59	670	29,84	730	6,58		
435	108,16	495	36,99	555	141,36	615	88,27	675	26,69	735	5,69		

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Burgebrach, 24.03.2021

First, last name of inspector

Measurement protocol



Test object: Varytec
 Hero Wash 340FX RGBW Zoom
 449223 / 3m / cw / narrow

Measurement file: 449223_3m_cw_n.
 Date of measurement: 23.03.2021
 Time of measurement: 16:34:47

