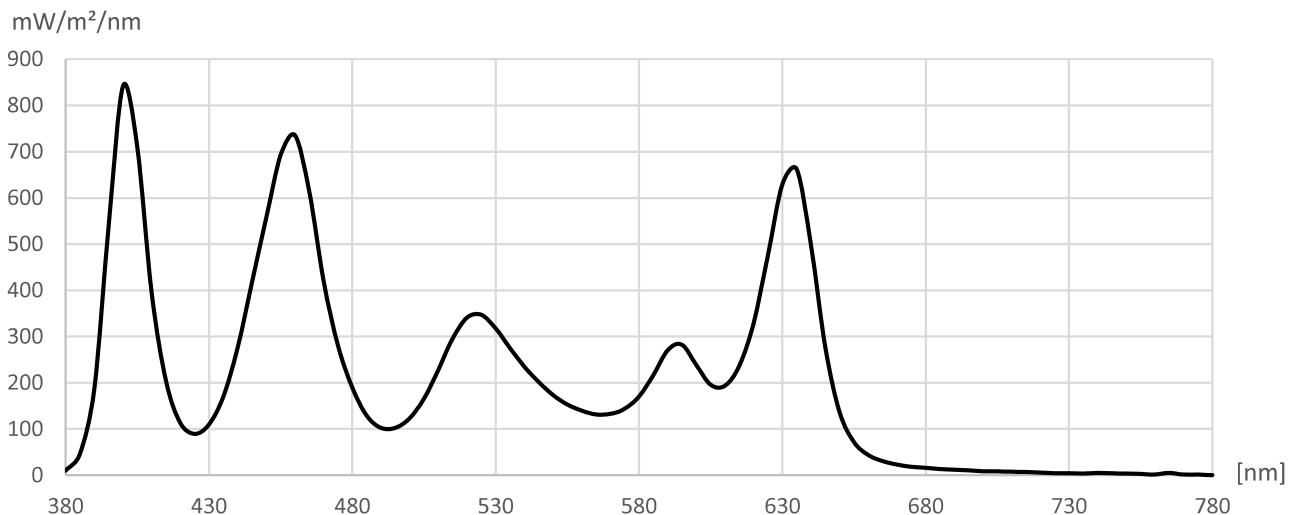


# Measurement protocol



Test object: Stairville  
xBrick HEX 16x8W RGBAW UV  
451258 / all / @ 1 m

Measurement file: 451258\_all\_1m.CSV  
Date of measurement: 16.10.2019  
Time of measurement: 09:14:01



R1 = 41,3	Ra = 57,9	Illuminance	17075,03 lx	CIE1931
R2 = 70,0	Re = 44,5	Ee	82,332 W/m <sup>2</sup>	x = 0,3127
R3 = 81,4	GAI = 144,7	LER	207,4 lm/W	y = 0,2665
R4 = 44,9				
R5 = 49,8		correlated color temperature (CCT)	7419 K	CIE1976
R6 = 64,3		Duv	-0,033	u' = 0,2244
R7 = 82,1				v' = 0,4304
R8 = 29,8		Saturation	32,3 %	
R9 = -90,7				CIE1960
R10 = 46,9		Dominant wavelength	#NV	u = 0,2244
R11 = 30,0		Peak wavelength	401 nm	v = 0,2870
R12 = 61,7				
R13 = 45,4		Flicker frequency	% < 2.5 Hz	TM30
R14 = 83,3		Percent Flicker	< 2.5 %	Rf = 75,8
R15 = 27,7		Flicker index	% < 2.5	Rg = 118,5

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	10,19	440	275,65	500	123,42	560	139,59	620	329,75	680	15,91	740	5,05		
385	46,30	445	417,35	505	165,83	565	131,64	625	474,69	685	13,54	745	4,09		
390	187,31	450	558,77	510	228,30	570	132,58	630	628,72	690	12,05	750	3,78		
395	542,15	455	691,87	515	295,25	575	143,69	635	662,35	695	10,50	755	2,89		
400	842,47	460	735,25	520	340,90	580	170,22	640	497,41	700	8,84	760	1,63		
405	710,43	465	614,10	525	347,01	585	216,82	645	275,64	705	8,24	765	5,06		
410	395,44	470	419,73	530	317,41	590	270,28	650	136,85	710	7,63	770	1,27		
415	203,97	475	279,84	535	274,88	595	282,46	655	71,95	715	6,99	775	1,34		
420	112,81	480	189,15	540	235,23	600	238,86	660	43,91	720	5,96	780	0,30		
425	89,67	485	129,27	545	201,97	605	196,04	665	30,32	725	4,32				
430	109,71	490	102,54	550	173,84	610	193,71	670	23,10	730	4,25				
435	169,27	495	102,49	555	152,95	615	237,39	675	18,46	735	3,70				

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Burgebrach, 16.10.2019

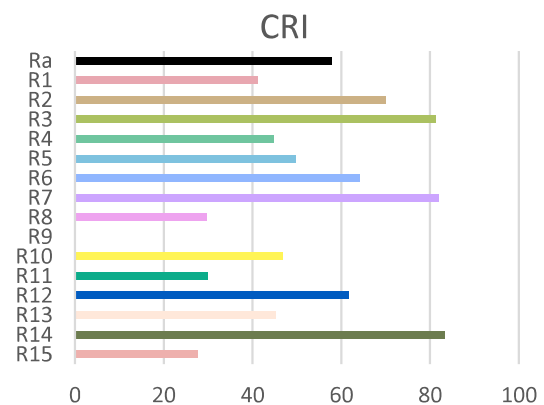
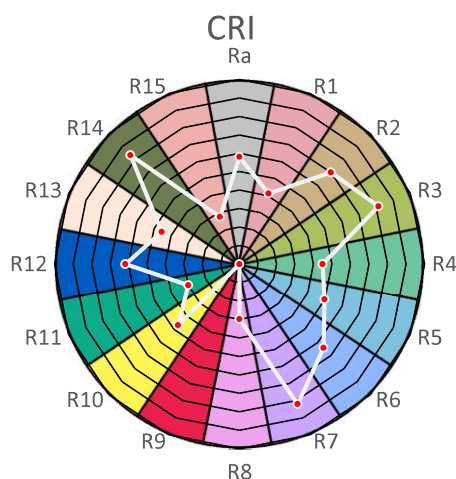
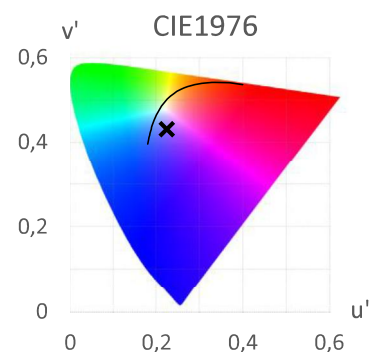
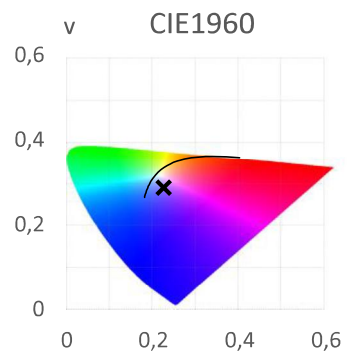
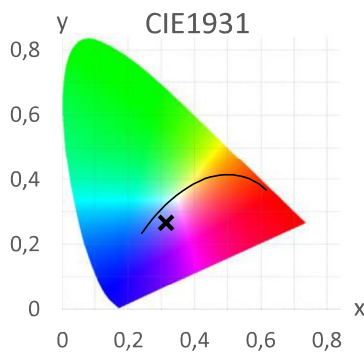
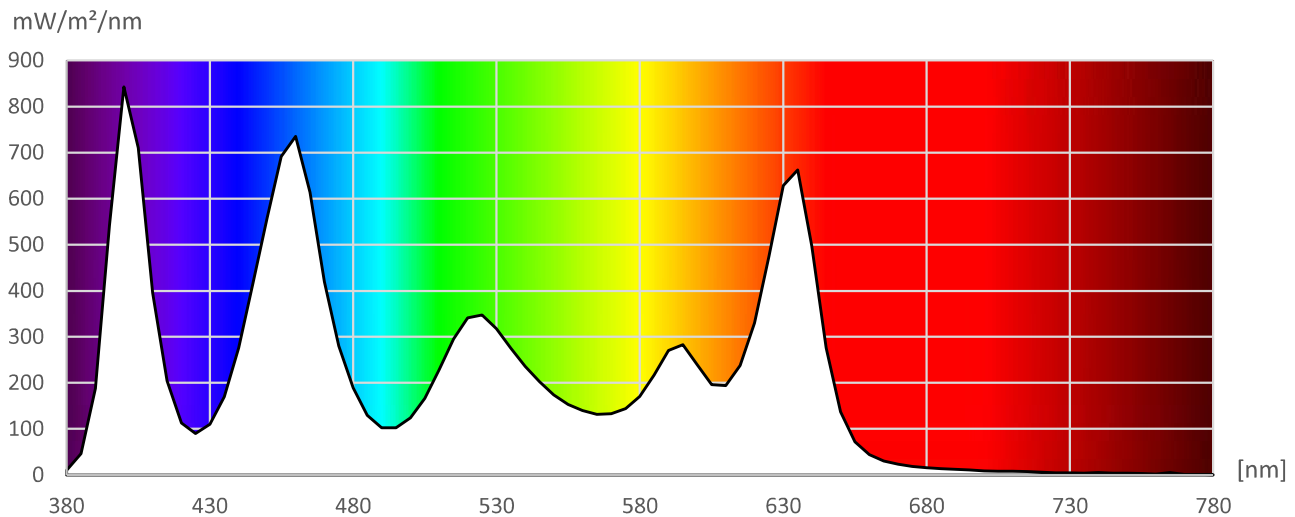
First, last name of inspector

# Measurement protocol

th•mann

Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / all / @ 1 m

Measurement file: 451258\_all\_1m.CS  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:14:01



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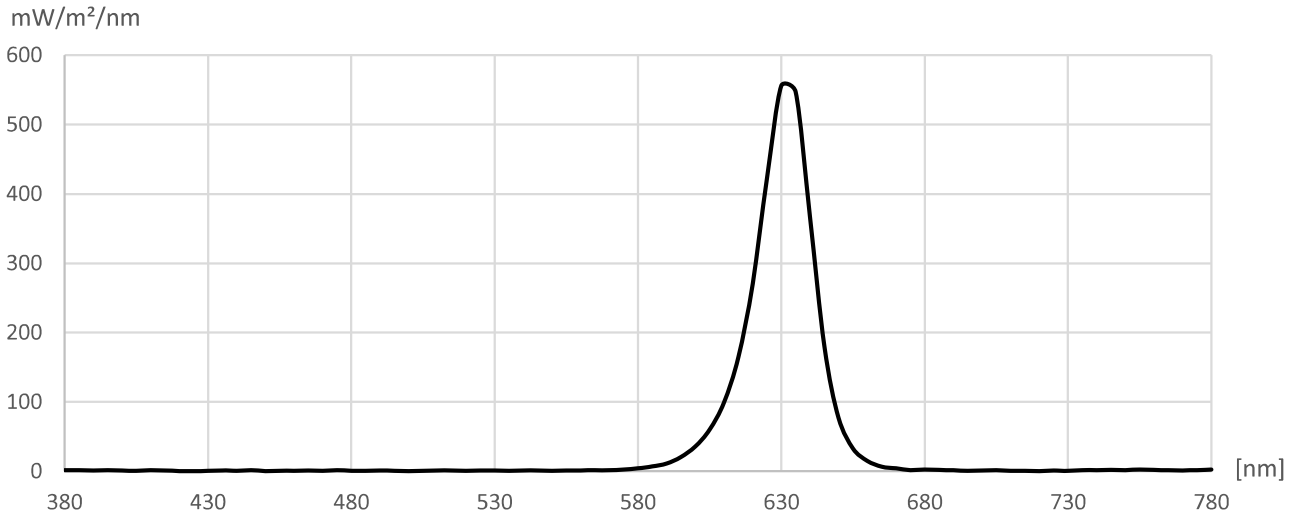
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / red / @ 1 m

Measurement file: 451258\_r\_1m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:14:36



R1 = -	Ra = -	Illuminance	2850,85 lx	CIE1931
R2 = -	Re = -	Ee	14,744 W/m <sup>2</sup>	x = 0,6876
R3 = -	GAI = -	LER	193,4 lm/W	y = 0,3058
R4 = -				
R5 = -		correlated color temperature (CCT)	< 1600 K	CIE1976
R6 = -		Duv	-	u' = 0,5195
R7 = -				v' = 0,5198
R8 = -		Saturation	98,2 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	626 nm	u = 0,5195
R11 = -		Peak wavelength	632 nm	v = 0,3466
R12 = -				
R13 = -		Flicker frequency	% < 2.5 Hz	TM30
R14 = -		Percent Flicker	< 2.5 %	Rf = -
R15 = -		Flicker index	% < 2.5	Rg = -

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	1,64	440	0,67	500	0,28	560	1,28	620	270,55	680	2,58	740	1,53
385	1,46	445	1,39	505	0,63	565	1,36	625	421,25	685	1,87	745	1,85
390	0,95	450	0,36	510	1,26	570	1,39	630	555,88	690	1,32	750	1,71
395	1,72	455	0,83	515	0,95	575	2,33	635	546,86	695	0,56	755	2,26
400	0,92	460	0,76	520	0,67	580	4,18	640	366,21	700	1,03	760	1,79
405	0,71	465	1,22	525	1,01	585	6,91	645	179,73	705	1,53	765	1,43
410	1,54	470	0,55	530	1,16	590	11,28	650	76,91	710	0,69	770	1,28
415	1,07	475	1,52	535	0,46	595	20,36	655	32,90	715	0,69	775	1,73
420	0,27	480	0,77	540	1,01	600	35,58	660	15,04	720	0,31	780	2,26
425	0,04	485	0,49	545	1,28	605	59,94	665	6,73	725	0,93		
430	0,42	490	1,21	550	0,81	610	99,10	670	4,08	730	0,49		
435	1,29	495	0,70	555	1,11	615	164,61	675	1,66	735	1,63		

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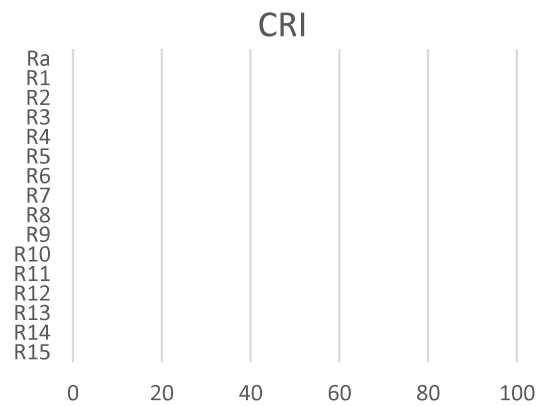
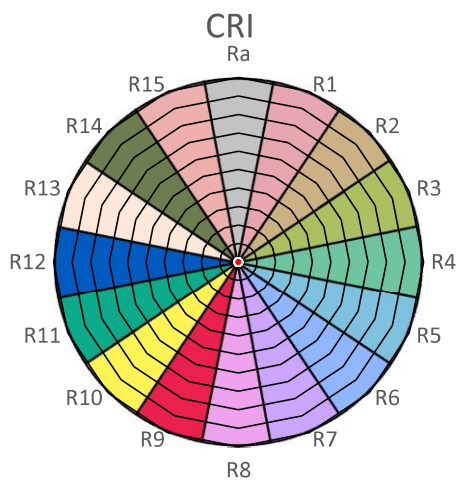
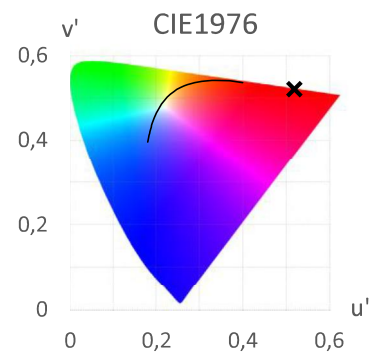
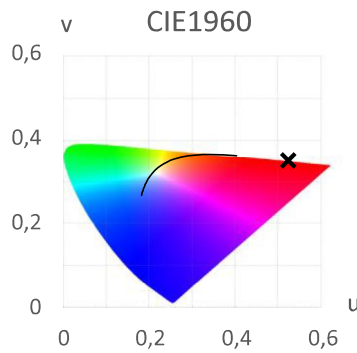
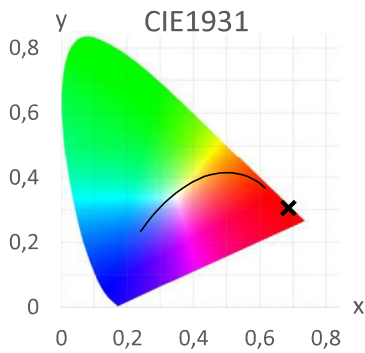
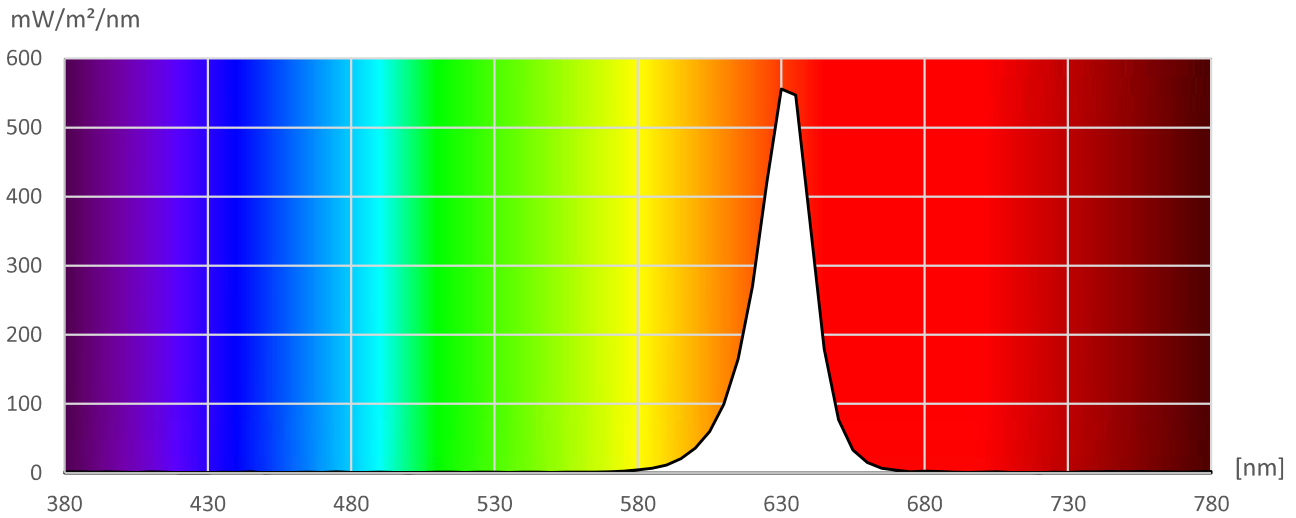
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / red / @ 1 m

Measurement file: 451258\_r\_1m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:14:36



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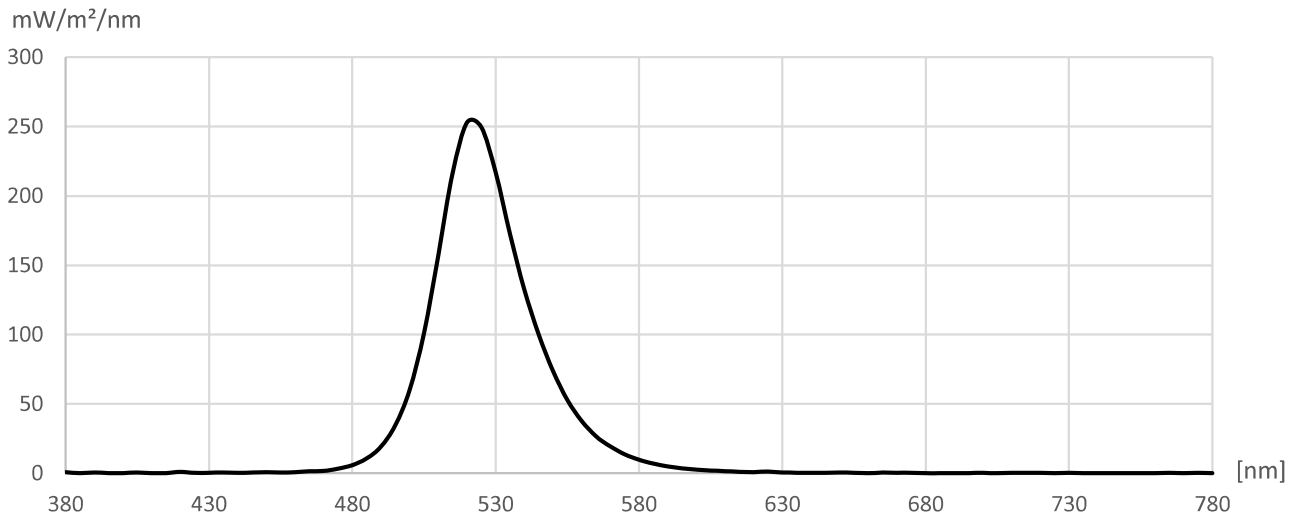
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / green / @ 1 m

Measurement file: 451258\_g\_1m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:14:54



R1 = -35,4	Ra = -23,3	Illuminance	5074,81 lx	CIE1931
R2 = -7,8	Re = -54,4	Ee	10,046 W/m <sup>2</sup>	x = 0,1801
R3 = -19,5	GAI = 0,6	LER	505,1 lm/W	y = 0,7275
R4 = -62,8				
R5 = -9,8		correlated color temperature (CCT)	7646 K	CIE1976
R6 = -14,6		Duv	0,1553	u' = 0,0633
R7 = -4,3		Saturation	80,1 %	v' = 0,5759
R8 = -32,4				
R9 = #####				CIE1960
R10 = #####		Dominant wavelength	526 nm	u = 0,0633
R11 = -93,3		Peak wavelength	522 nm	v = 0,3839
R12 = -31,9				
R13 = -40,3		Flicker frequency	% < 2.5 Hz	TM30
R14 = 40,3		Percent Flicker	< 2.5 %	Rf = 0,9
R15 = -39,6		Flicker index	% < 2.5	Rg = 9,1

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0,70	440	0,33	500	60,24	560	37,53	620	0,87	680	0,00	740	0,00
385	0,09	445	0,47	505	101,28	565	26,68	625	1,16	685	0,05	745	0,09
390	0,64	450	0,74	510	157,66	570	19,42	630	0,56	690	0,00	750	0,13
395	0,12	455	0,55	515	216,24	575	13,74	635	0,41	695	0,18	755	0,10
400	0,15	460	0,75	520	252,80	580	9,74	640	0,30	700	0,20	760	0,00
405	0,56	465	1,39	525	249,58	585	6,90	645	0,36	705	0,09	765	0,23
410	0,10	470	1,67	530	216,75	590	4,99	650	0,49	710	0,26	770	0,07
415	0,17	475	3,30	535	172,25	595	3,58	655	0,42	715	0,28	775	0,33
420	1,00	480	5,93	540	132,72	600	2,65	660	0,08	720	0,24	780	0,16
425	0,22	485	10,65	545	100,39	605	2,01	665	0,46	725	0,14		
430	0,42	490	19,14	550	73,78	610	1,52	670	0,38	730	0,32		
435	0,51	495	34,57	555	52,84	615	1,02	675	0,40	735	0,02		

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Burgebrach, 16.10.2019

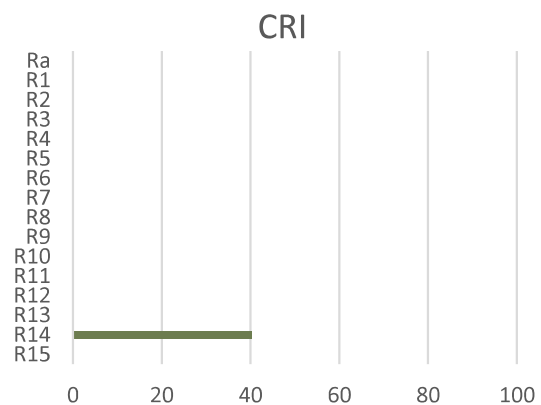
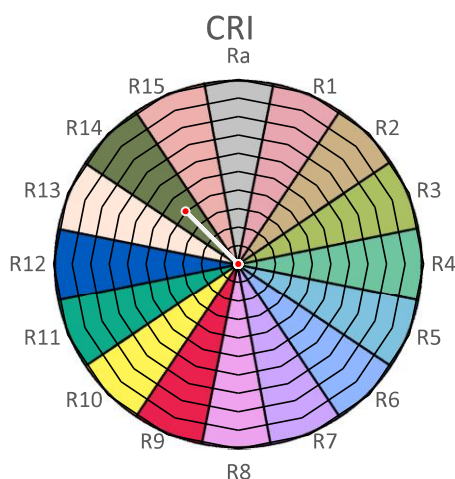
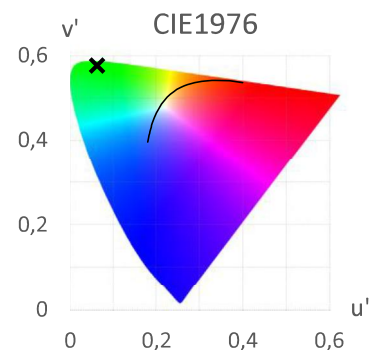
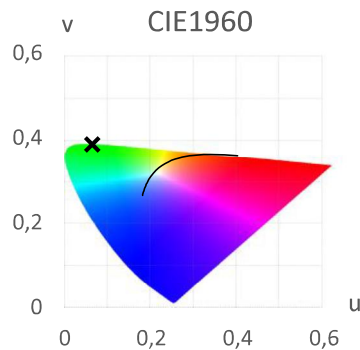
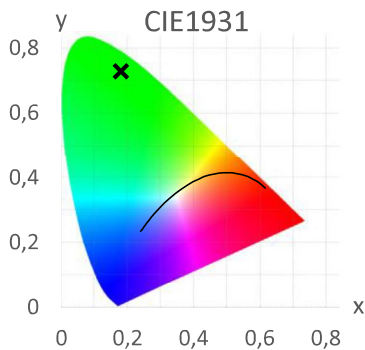
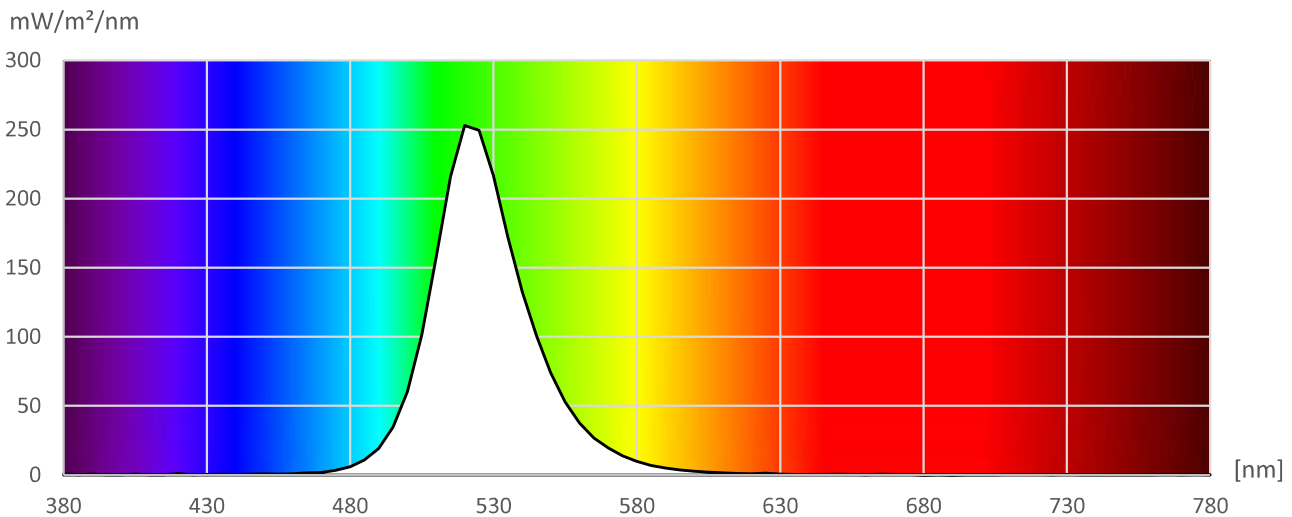
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / green / @ 1 m

Measurement file: 451258\_g\_1m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:14:54



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Burgebrach, 16.10.2019

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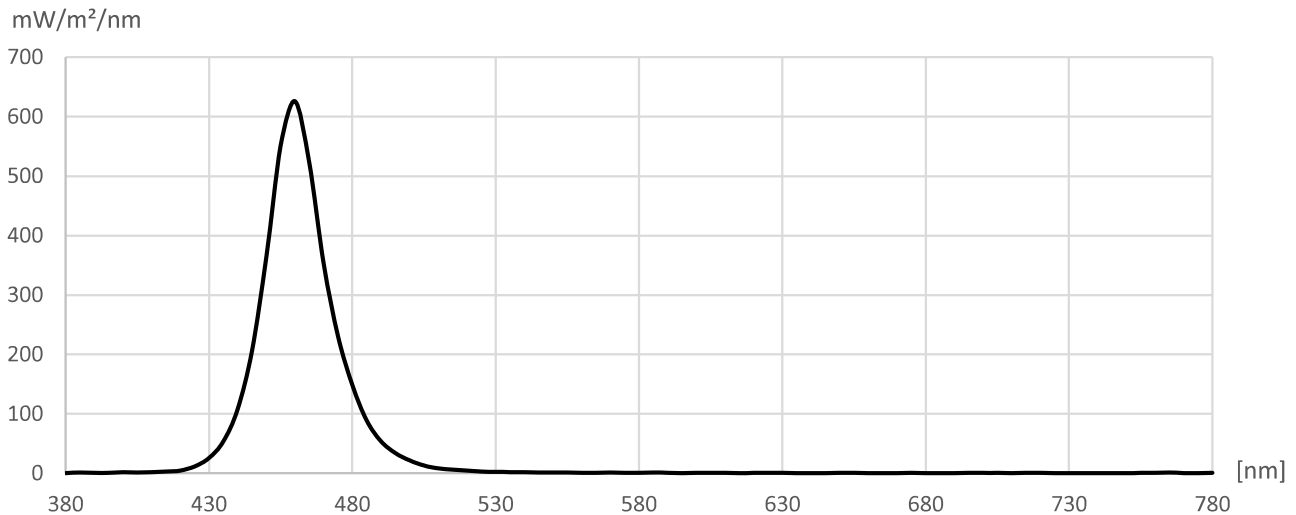
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / blue / @ 1 m

Measurement file: 451258\_b\_1m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:15:07



R1 = -	Ra = -	Illuminance	968,07 lx	CIE1931
R2 = -	Re = -	Ee	17,386 W/m <sup>2</sup>	x = 0,1422
R3 = -	GAI = -	LER	55,7 lm/W	y = 0,0454
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,1745
R7 = -				v' = 0,1252
R8 = -		Saturation	97,9 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	457 nm	u = 0,1745
R11 = -		Peak wavelength	458 nm	v = 0,0835
R12 = -				
R13 = -		Flicker frequency	% < 2.5 Hz	TM30
R14 = -		Percent Flicker	< 2.5 %	Rf = -
R15 = -		Flicker index	% < 2.5	Rg = -

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0,23	440	107,76	500	21,64	560	0,86	620	0,50	680	0,10	740	0,25
385	1,14	445	206,33	505	12,85	565	0,80	625	0,71	685	0,38	745	0,21
390	0,46	450	364,39	510	8,08	570	1,41	630	0,55	690	0,17	750	0,12
395	0,77	455	550,03	515	6,03	575	0,67	635	0,14	695	0,69	755	0,48
400	1,70	460	626,06	520	4,34	580	0,61	640	0,11	700	0,45	760	0,72
405	1,38	465	522,43	525	2,82	585	1,15	645	0,44	705	0,48	765	1,12
410	1,99	470	352,58	530	2,29	590	0,92	650	0,50	710	0,37	770	0,37
415	2,89	475	230,45	535	2,00	595	0,28	655	0,79	715	0,53	775	0,00
420	4,46	480	147,93	540	1,77	600	0,56	660	0,00	720	0,65	780	0,67
425	11,60	485	89,20	545	1,21	605	0,68	665	0,37	725	0,22		
430	25,24	490	53,76	550	1,29	610	0,70	670	0,00	730	0,00		
435	53,22	495	33,90	555	1,30	615	0,24	675	0,55	735	0,10		

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Burgebrach, 16.10.2019

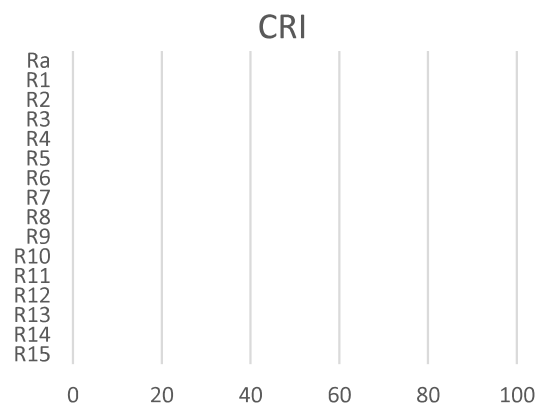
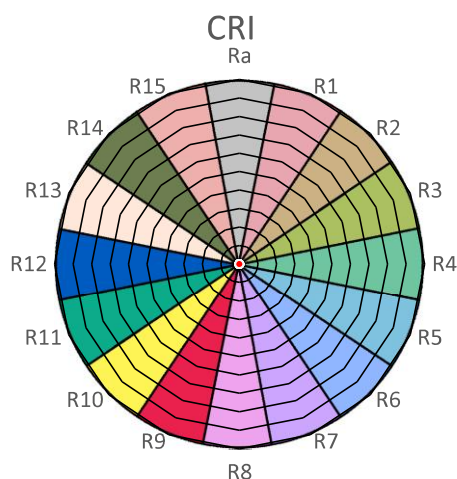
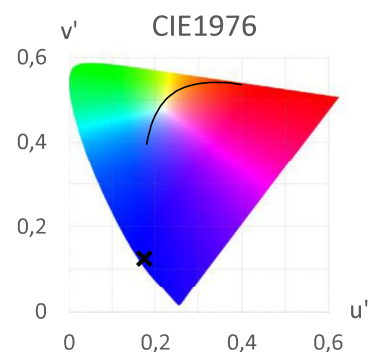
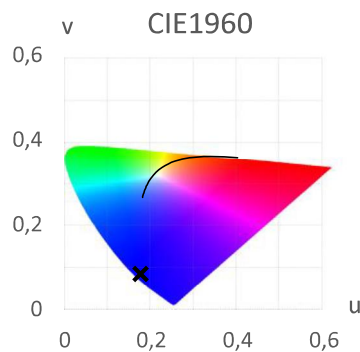
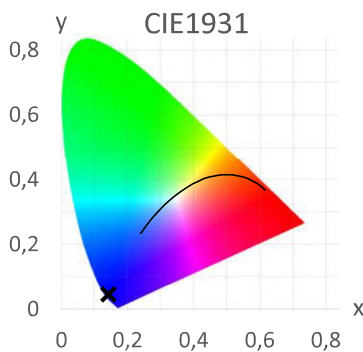
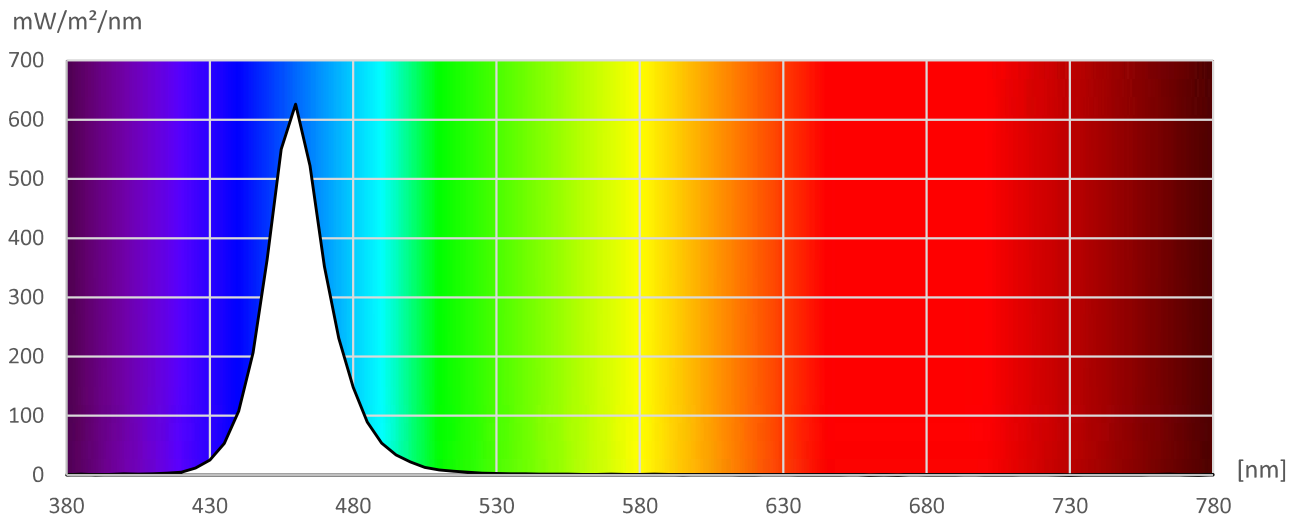
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / blue / @ 1 m

Measurement file: 451258\_b\_1m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:15:07



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Burgebrach, 16.10.2019

First, last name of inspector

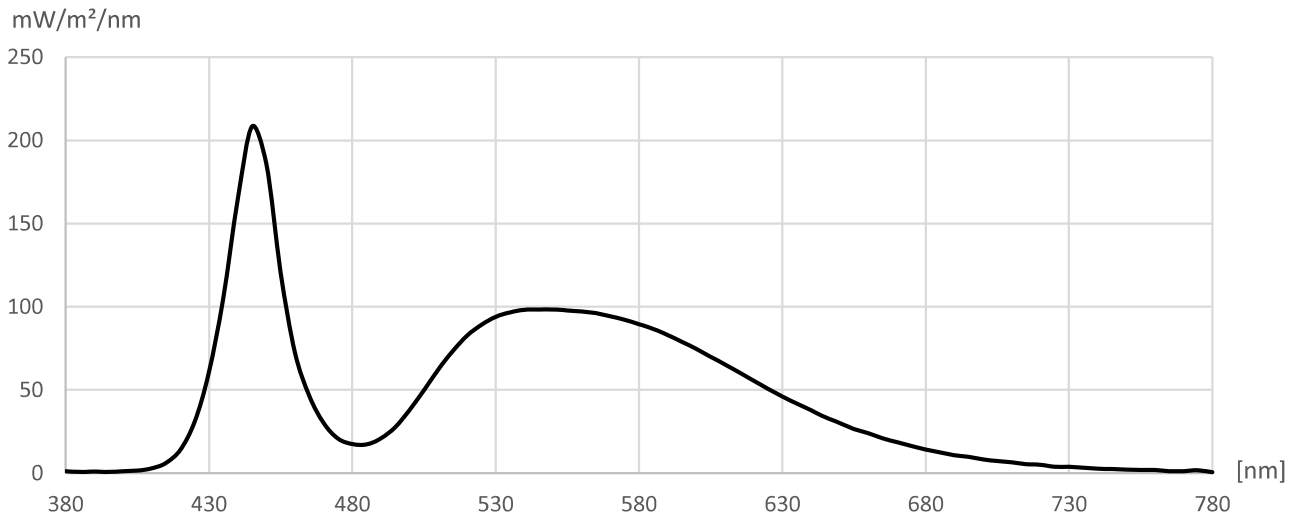


# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / cw / @ 1 m

Measurement file: 451258\_cw\_1m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:36:28



R1 = 69,7	Ra = 70,5	Illuminance	5846,47 lx	CIE1931
R2 = 72,9	Re = 60,2	Ee	18,192 W/m <sup>2</sup>	x = 0,3131
R3 = 73,8	GAI = 87,1	LER	321,4 lm/W	y = 0,3288
R4 = 72,7				
R5 = 71,2		correlated color temperature (CCT)	6484 K	CIE1976
R6 = 64,1		Duv	0,0029	u' = 0,1982
R7 = 78,3		Saturation	7,2 %	v' = 0,4683
R8 = 61,5				
R9 = -27,4				CIE1960
R10 = 34,7		Dominant wavelength	486 nm	u = 0,1982
R11 = 71,7		Peak wavelength	445 nm	v = 0,3122
R12 = 40,8				
R13 = 69,2		Flicker frequency	% < 2.5 Hz	TM30
R14 = 85,2		Percent Flicker	< 2.5 %	Rf = 67,1
R15 = 64,0		Flicker index	% < 2.5	Rg = 95,1

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	1,25	440	164,15	500	38,17	560	97,17	620	55,59	680	14,32	740	2,75
385	0,77	445	208,40	505	49,94	565	96,18	625	50,82	685	12,61	745	2,54
390	0,94	450	185,66	510	62,41	570	94,31	630	46,11	690	10,87	750	2,26
395	0,78	455	120,97	515	73,27	575	92,26	635	41,92	695	9,82	755	2,02
400	1,21	460	72,67	520	82,59	580	89,60	640	37,81	700	8,37	760	1,89
405	1,60	465	46,48	525	89,14	585	86,70	645	33,65	705	7,34	765	1,28
410	2,87	470	30,12	530	93,96	590	83,01	650	30,30	710	6,60	770	1,29
415	6,22	475	20,79	535	96,71	595	79,05	655	26,65	715	5,49	775	1,79
420	14,16	480	17,58	540	98,24	600	74,78	660	24,02	720	5,11	780	0,63
425	31,20	485	17,28	545	98,42	605	69,99	665	20,98	725	3,95		
430	60,47	490	20,89	550	98,40	610	65,42	670	18,70	730	3,82		
435	105,12	495	27,75	555	97,86	615	60,51	675	16,42	735	3,29		

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Sebastian Laske

Burgebrach, 16.10.2019

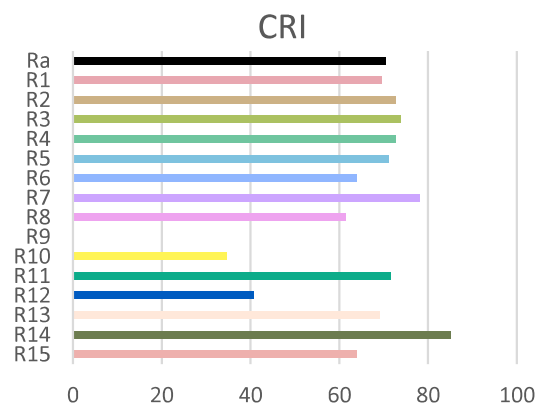
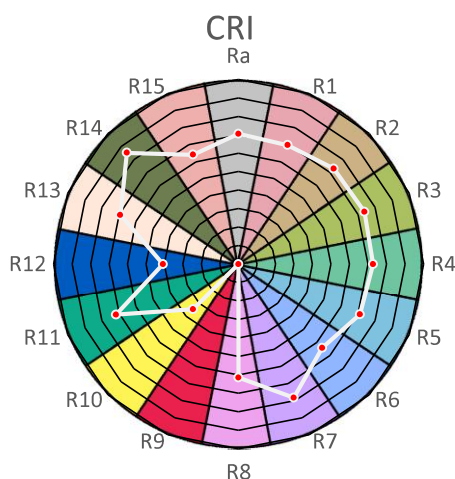
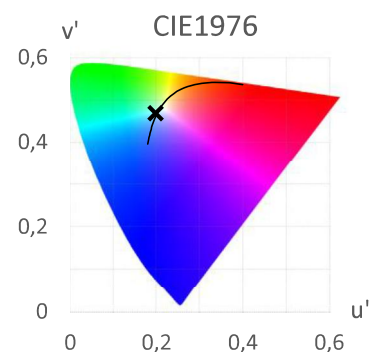
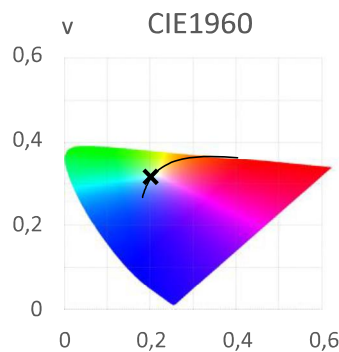
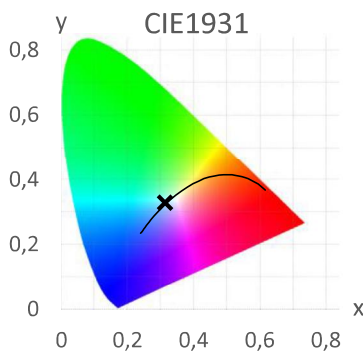
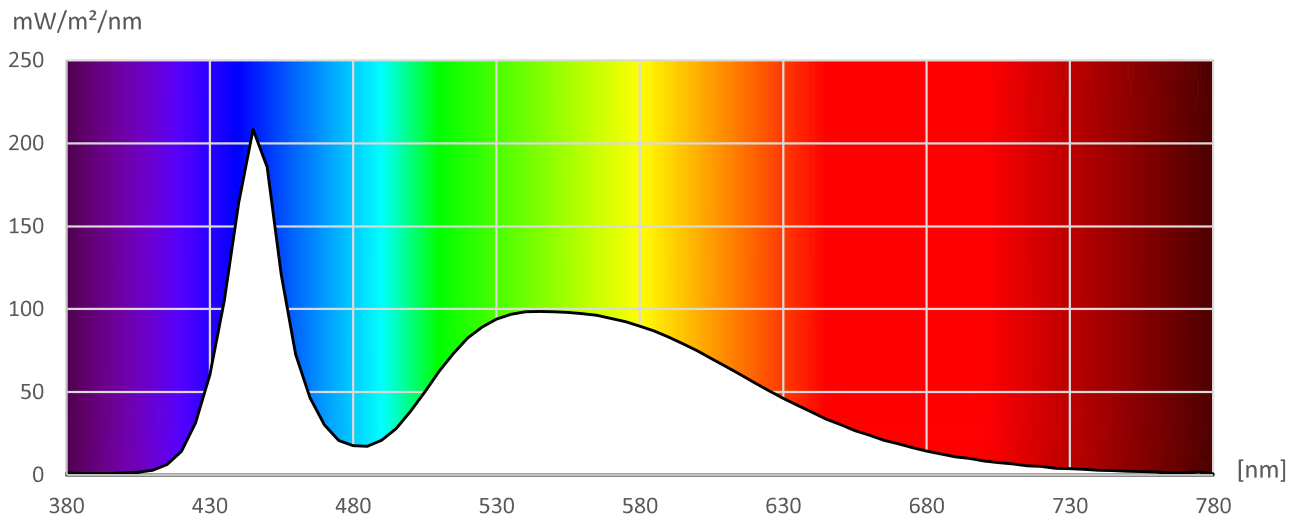
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / cw / @ 1 m

Measurement file: 451258\_cw\_1m.CS  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:36:28

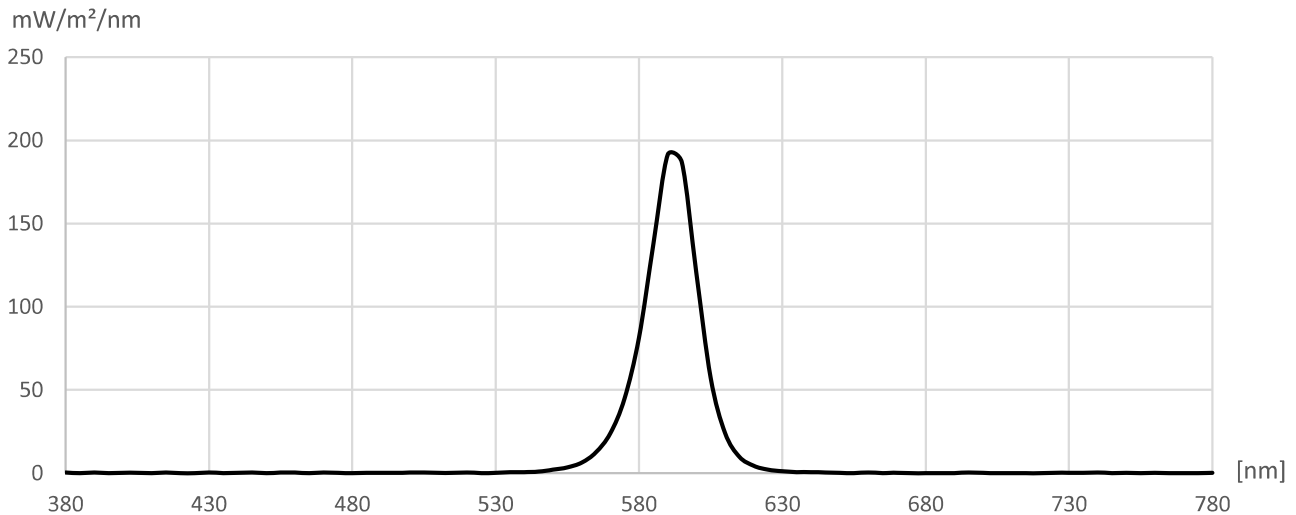


# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / amber / @ 1 m

Measurement file: 451258\_am\_1m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:26:46



R1 = -40,6	Ra = -23,9	Illuminance	2324,85 lx	CIE1931
R2 = 47,4	Re = -49,8	Ee	4,639 W/m <sup>2</sup>	x = 0,5694
R3 = 22,4	GAI = 0,3	LER	501,2 lm/W	y = 0,4266
R4 = -70,8				
R5 = -44,2		correlated color temperature (CCT)	1766 K	CIE1976
R6 = 31,4		Duv	0,0081	u' = 0,3263
R7 = -3,1		Saturation	98,8 %	v' = 0,5500
R8 = #####				
R9 = #####				CIE1960
R10 = 20,1		Dominant wavelength	589 nm	u = 0,3263
R11 = #####		Peak wavelength	592 nm	v = 0,3667
R12 = -21,7				
R13 = -23,0		Flicker frequency	% < 2.5 Hz	TM30
R14 = 48,0		Percent Flicker	< 2.5 %	Rf = 2,9
R15 = -69,5		Flicker index	% < 2.5	Rg = 11,9

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0,37	440	0,27	500	0,36	560	6,41	620	4,50	680	0,00	740	0,38
385	0,05	445	0,45	505	0,40	565	12,56	625	2,17	685	0,08	745	0,13
390	0,48	450	0,08	510	0,30	570	23,91	630	1,26	690	0,14	750	0,19
395	0,09	455	0,35	515	0,16	575	45,05	635	0,73	695	0,40	755	0,11
400	0,30	460	0,35	520	0,50	580	81,45	640	0,70	700	0,16	760	0,17
405	0,35	465	0,06	525	0,15	585	137,63	645	0,50	705	0,00	765	0,03
410	0,10	470	0,45	530	0,23	590	191,54	650	0,19	710	0,05	770	0,14
415	0,41	475	0,20	535	0,65	595	186,81	655	0,15	715	0,00	775	0,09
420	0,00	480	0,07	540	0,70	600	120,91	660	0,45	720	0,00	780	0,19
425	0,07	485	0,21	545	0,94	605	57,41	665	0,15	725	0,32		
430	0,43	490	0,27	550	2,09	610	24,18	670	0,33	730	0,29		
435	0,14	495	0,27	555	3,51	615	9,94	675	0,00	735	0,22		

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Burgebrach, 16.10.2019

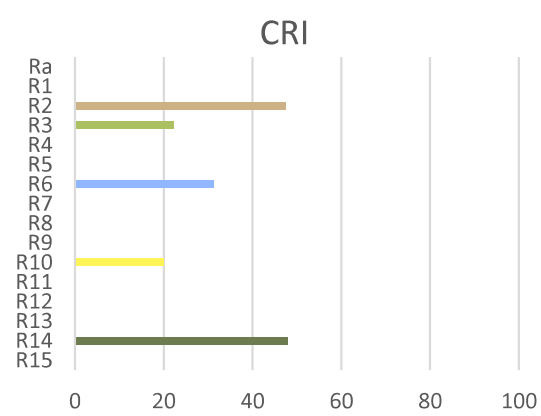
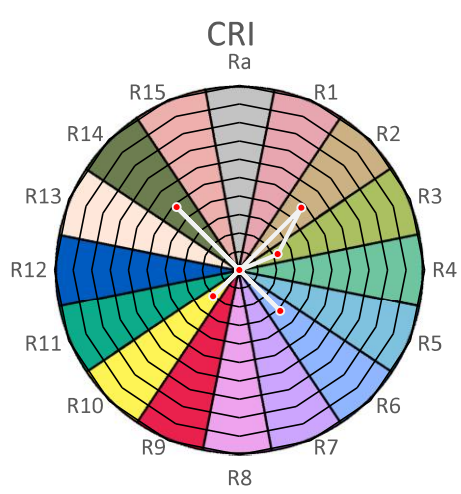
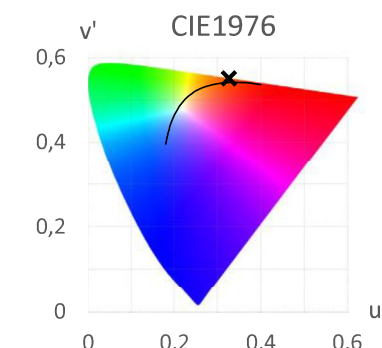
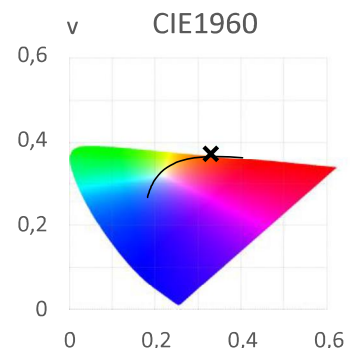
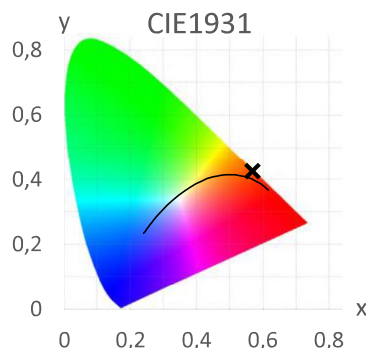
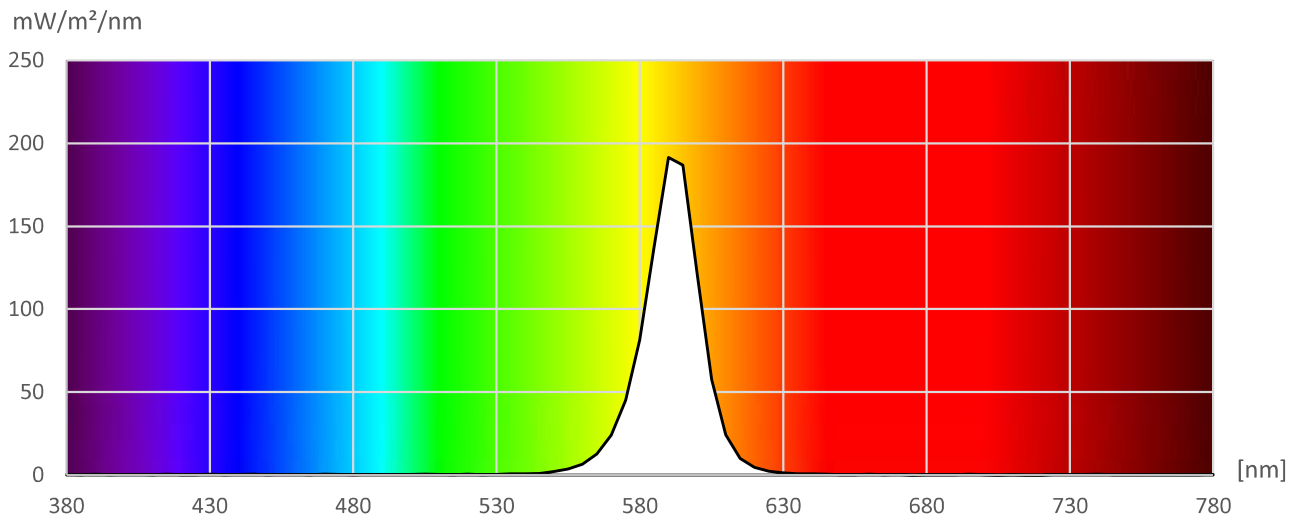
First, last name of inspector

# Measurement protocol

th•mann

Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / amber / @ 1 m

Measurement file: 451258\_am\_1m.CS  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:26:46

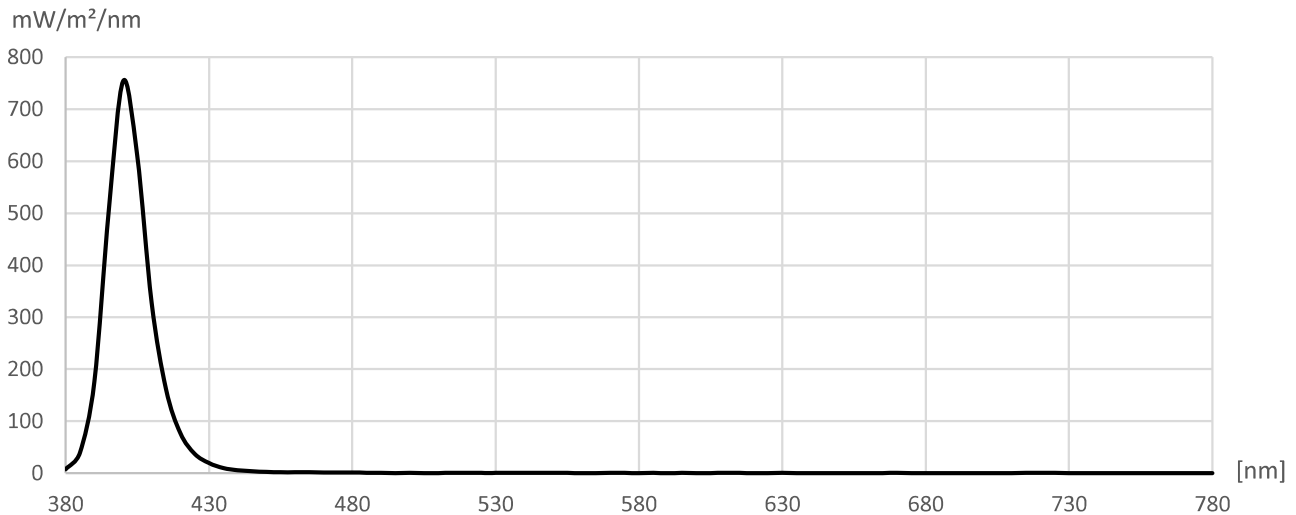


# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / uv / @ 1 m

Measurement file: 451258\_uv\_1m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:15:44



R1 = -	Ra = -	Illuminance	48,41 lx	CIE1931
R2 = -	Re = -	Ee	13,856 W/m <sup>2</sup>	x = 0,1774
R3 = -	GAI = -	LER	3,5 lm/W	y = 0,0257
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,2402
R7 = -				v' = 0,0784
R8 = -		Saturation	111,2 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	#NV	u = 0,2402
R11 = -		Peak wavelength	401 nm	v = 0,0522
R12 = -				
R13 = -		Flicker frequency	% < 2.5 Hz	TM30
R14 = -		Percent Flicker	< 2.5 %	Rf = -
R15 = -		Flicker index	% < 2.5	Rg = -

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	7,74	440	5,92	500	0,81	560	0,07	620	0,18	680	0,00	740	0,00
385	39,48	445	3,94	505	0,11	565	0,34	625	0,36	685	0,22	745	0,07
390	175,83	450	2,48	510	0,37	570	0,59	630	0,62	690	0,00	750	0,41
395	504,37	455	1,79	515	0,94	575	0,53	635	0,12	695	0,07	755	0,25
400	754,06	460	2,12	520	0,92	580	0,42	640	0,01	700	0,36	760	0,16
405	610,78	465	1,95	525	0,54	585	0,54	645	0,24	705	0,31	765	0,14
410	328,23	470	1,40	530	0,51	590	0,00	650	0,00	710	0,38	770	0,28
415	161,99	475	1,45	535	0,87	595	0,54	655	0,05	715	0,70	775	0,07
420	76,69	480	1,20	540	0,66	600	0,31	660	0,43	720	0,66	780	0,12
425	37,06	485	1,07	545	0,56	605	0,48	665	0,51	725	0,76		
430	19,56	490	0,72	550	0,71	610	0,54	670	0,67	730	0,00		
435	10,00	495	0,46	555	0,58	615	0,56	675	0,05	735	0,22		

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Burgebrach, 16.10.2019

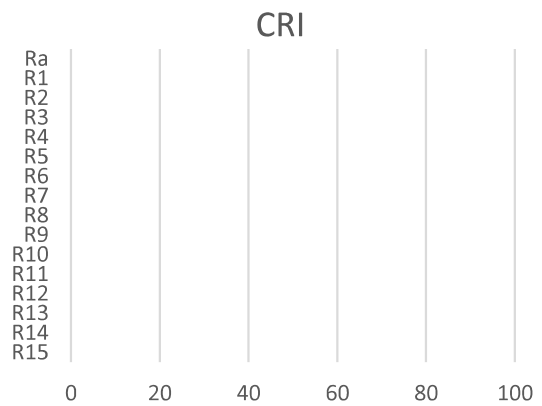
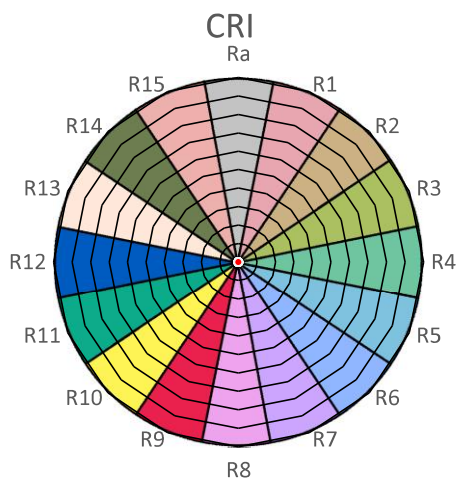
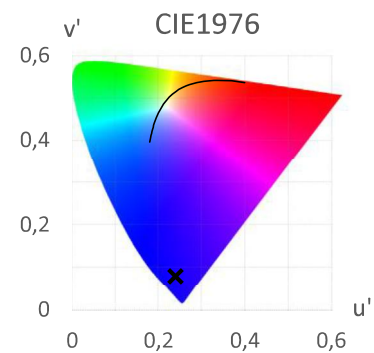
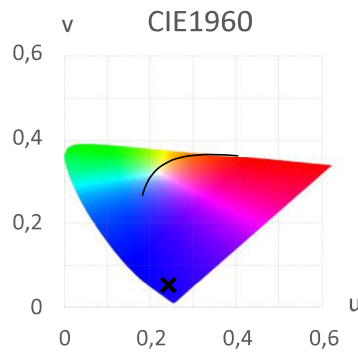
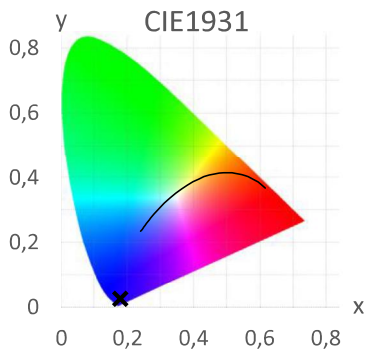
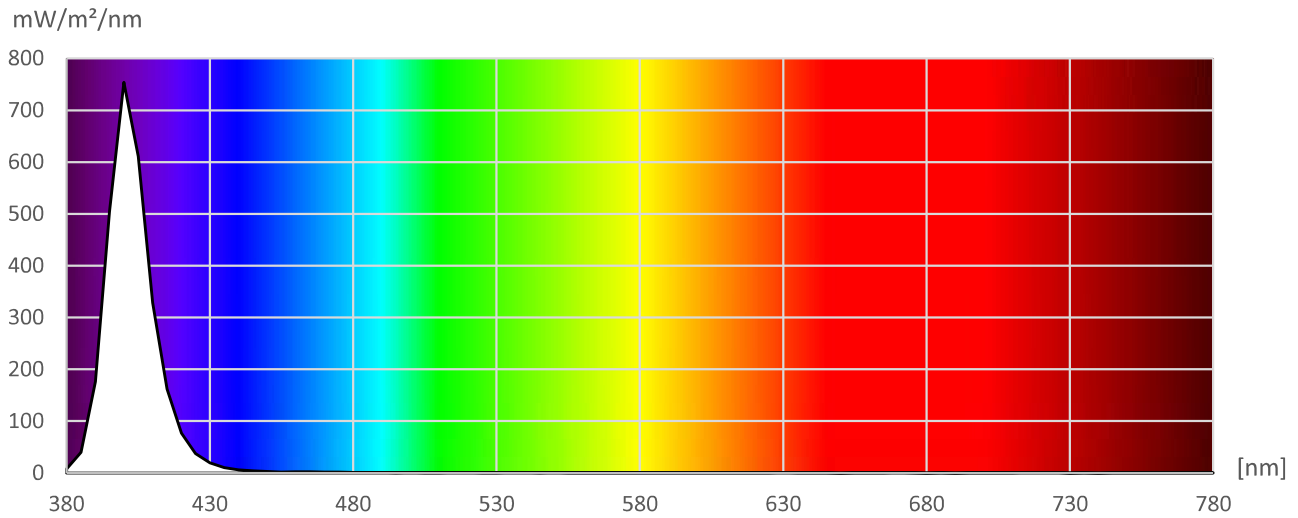
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / uv / @ 1 m

Measurement file: 451258\_uv\_1m.CS  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:15:44



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Burgebrach, 16.10.2019

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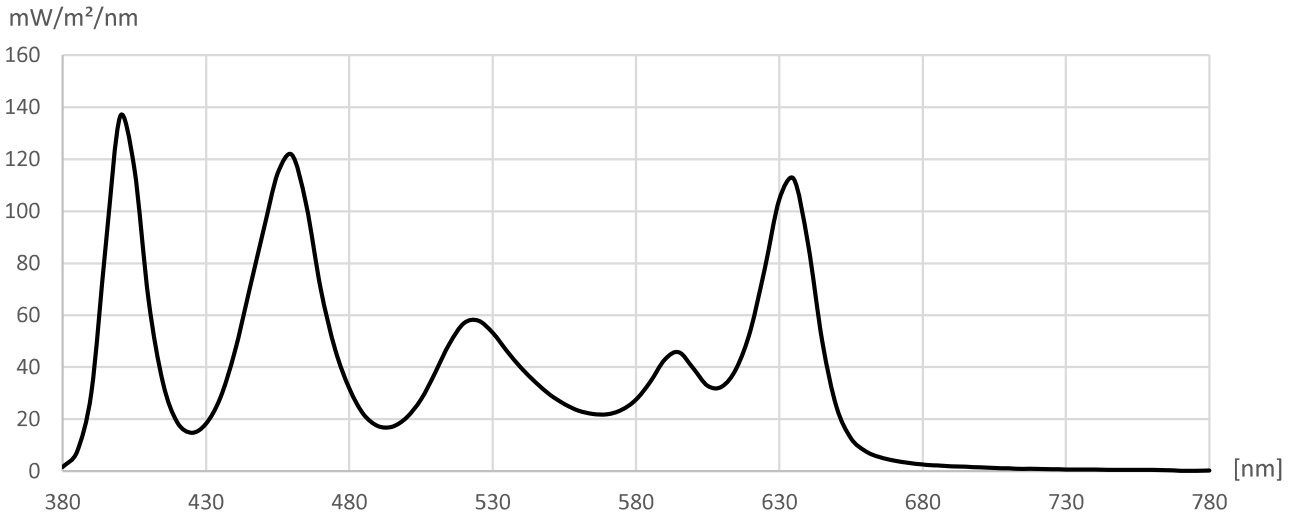
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / all / @ 3m

Measurement file: 451258\_all\_3m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:27:24



R1 = 40,1	Ra = 56,9	Illuminance	2843,68 lx	CIE1931
R2 = 69,7	Re = 43,2	Ee	13,701 W/m <sup>2</sup>	x = 0,3128
R3 = 80,5	GAI = 145,5	LER	207,5 lm/W	y = 0,2670
R4 = 43,7				
R5 = 48,9		correlated color temperature (CCT)	7400 K	CIE1976
R6 = 64,2		Duv	-0,0328	u' = 0,2243
R7 = 80,9		Saturation	32,1 %	v' = 0,4307
R8 = 27,0				
R9 = -97,3				CIE1960
R10 = 46,3		Dominant wavelength	#NV	u = 0,2243
R11 = 29,0		Peak wavelength	401 nm	v = 0,2872
R12 = 61,5				
R13 = 44,5		Flicker frequency	% < 2.5 Hz	TM30
R14 = 82,7		Percent Flicker	< 2.5 %	Rf = 75,3
R15 = 25,7		Flicker index	% < 2.5	Rg = 118,8

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	1,66	440	45,74	500	20,72	560	23,27	620	54,55	680	2,60	740	0,68
385	7,44	445	69,08	505	27,66	565	22,04	625	78,09	685	2,20	745	0,56
390	30,25	450	92,56	510	38,07	570	21,93	630	104,49	690	1,94	750	0,55
395	86,85	455	114,43	515	49,10	575	23,61	635	112,47	695	1,74	755	0,50
400	136,46	460	121,74	520	56,89	580	27,52	640	87,38	700	1,49	760	0,52
405	116,74	465	102,37	525	57,90	585	34,49	645	49,58	705	1,27	765	0,41
410	65,75	470	70,19	530	53,25	590	42,97	650	24,72	710	1,10	770	0,19
415	33,93	475	46,99	535	46,18	595	45,78	655	12,75	715	0,90	775	0,12
420	18,71	480	31,78	540	39,70	600	39,57	660	7,73	720	0,96	780	0,30
425	14,83	485	21,94	545	34,19	605	32,86	665	5,38	725	0,76		
430	18,27	490	17,43	550	29,45	610	32,55	670	4,09	730	0,70		
435	28,18	495	17,14	555	25,86	615	39,62	675	3,26	735	0,67		

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Burgebrach, 16.10.2019

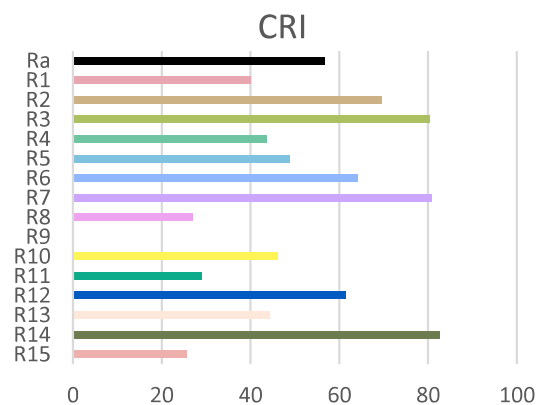
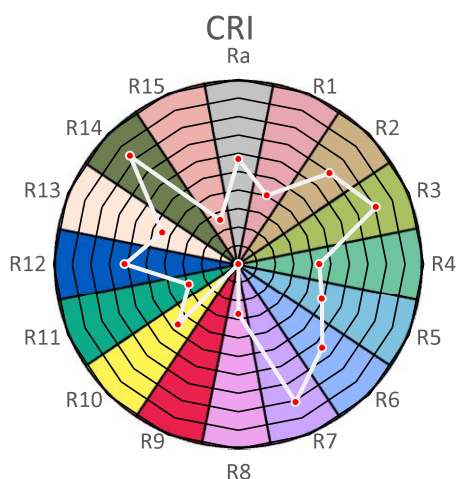
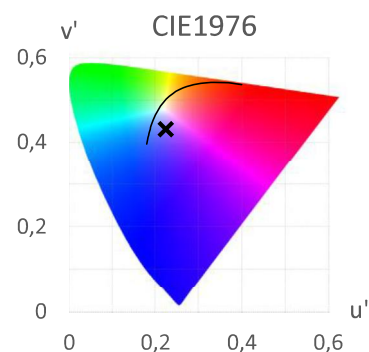
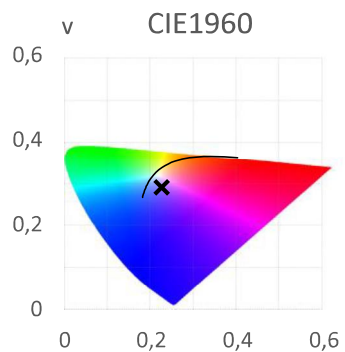
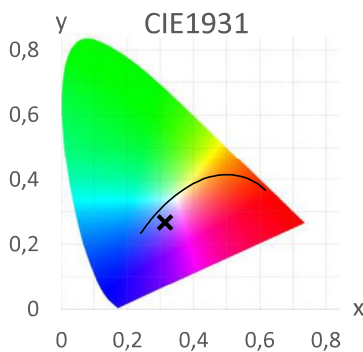
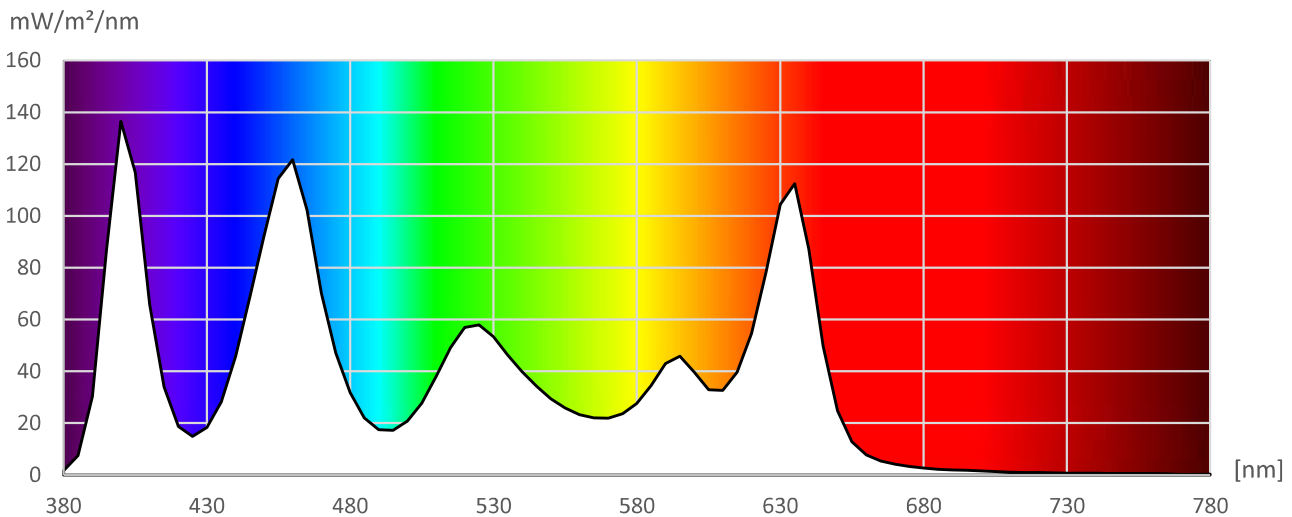
First, last name of inspector

# Measurement protocol

th•mann

Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / all / @ 3m

Measurement file: 451258\_all\_3m.CS'  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:27:24



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Burgebrach, 16.10.2019

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First, last name of inspector

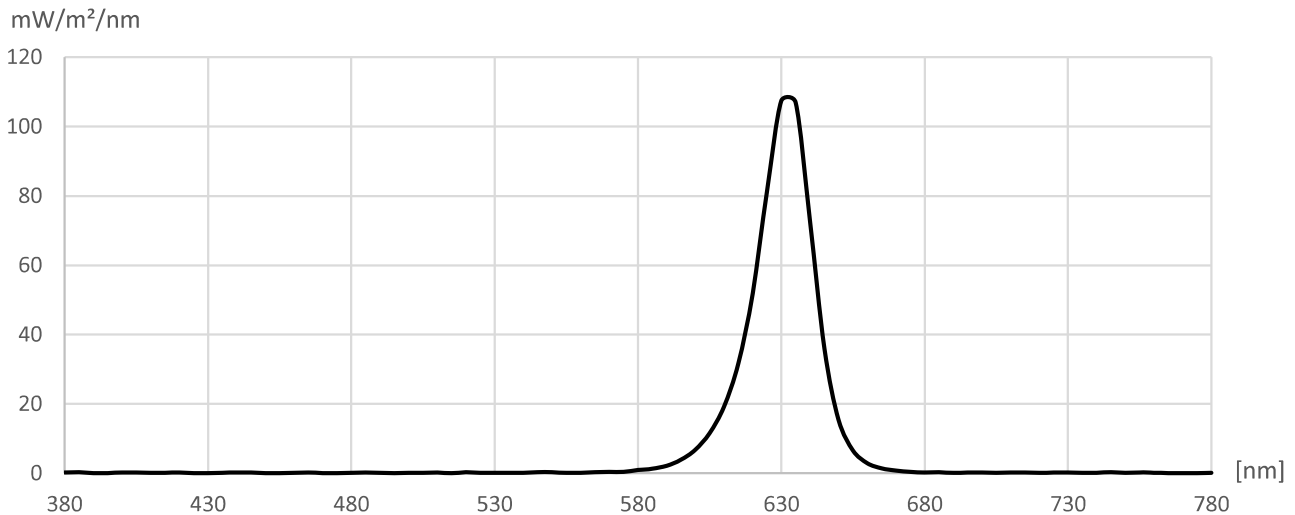


# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / red / @ 3m

Measurement file: 451258\_r\_3m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:16:35



R1 = -	Ra = -	Illuminance	552,68 lx	CIE1931
R2 = -	Re = -	Ee	2,854 W/m <sup>2</sup>	x = 0,6889
R3 = -	GAI = -	LER	193,7 lm/W	y = 0,3061
R4 = -				
R5 = -		correlated color temperature (CCT)	< 1600 K	CIE1976
R6 = -		Duv	-	u' = 0,5203
R7 = -				v' = 0,5203
R8 = -		Saturation	98,5 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	626 nm	u = 0,5203
R11 = -		Peak wavelength	632 nm	v = 0,3468
R12 = -				
R13 = -		Flicker frequency	% < 2.5 Hz	TM30
R14 = -		Percent Flicker	< 2.5 %	Rf = -
R15 = -		Flicker index	% < 2.5	Rg = -

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0,17	440	0,21	500	0,09	560	0,15	620	51,92	680	0,21	740	0,15
385	0,28	445	0,20	505	0,10	565	0,30	625	81,04	685	0,27	745	0,31
390	0,05	450	0,04	510	0,18	570	0,39	630	107,41	690	0,09	750	0,11
395	0,06	455	0,04	515	0,04	575	0,42	635	106,93	695	0,18	755	0,26
400	0,21	460	0,13	520	0,26	580	0,92	640	72,67	700	0,20	760	0,15
405	0,20	465	0,20	525	0,11	585	1,29	645	35,98	705	0,13	765	0,06
410	0,10	470	0,07	530	0,14	590	2,19	650	15,46	710	0,19	770	0,04
415	0,17	475	0,06	535	0,15	595	3,87	655	6,60	715	0,23	775	0,01
420	0,20	480	0,13	540	0,13	600	6,79	660	2,92	720	0,14	780	0,15
425	0,04	485	0,19	545	0,34	605	11,56	665	1,39	725	0,17		
430	0,02	490	0,11	550	0,29	610	19,24	670	0,76	730	0,18		
435	0,16	495	0,07	555	0,13	615	31,75	675	0,38	735	0,09		

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Burgebrach, 16.10.2019

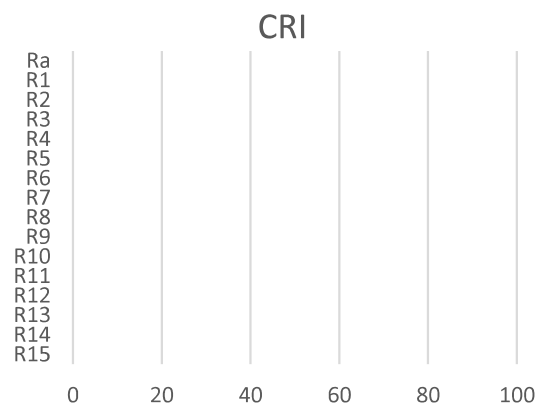
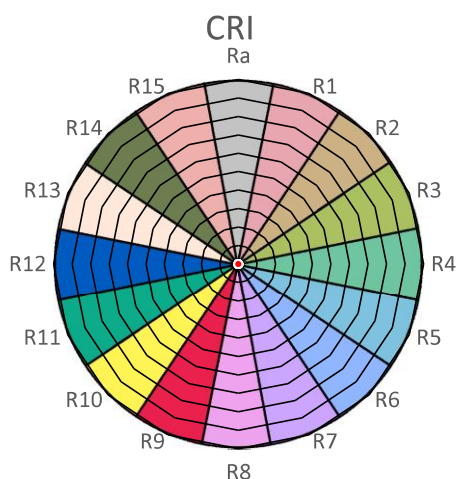
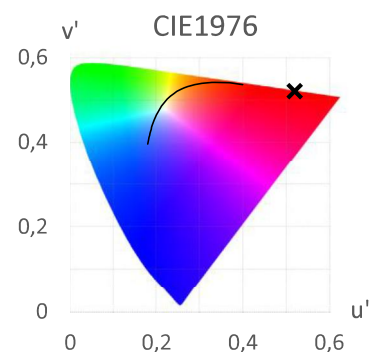
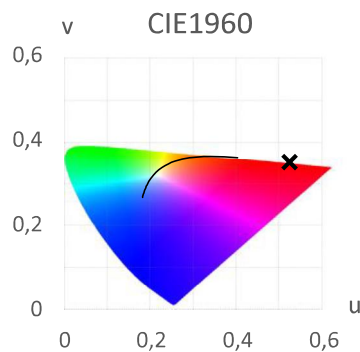
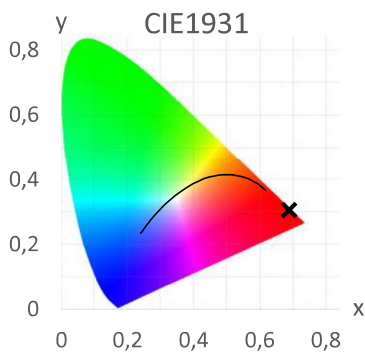
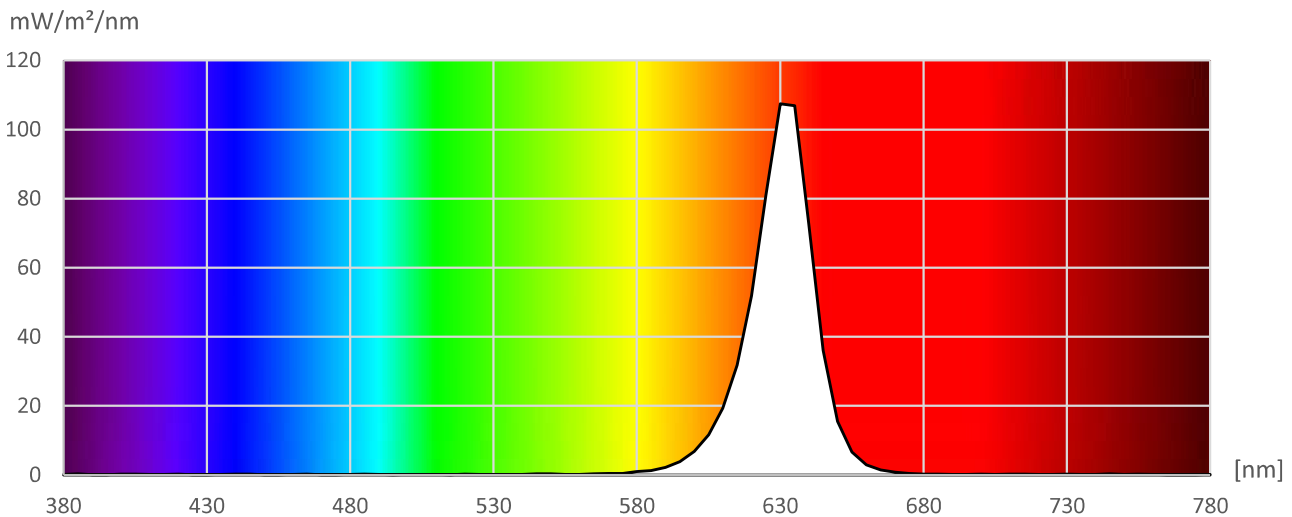
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / red / @ 3m

Measurement file: 451258\_r\_3m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:16:35

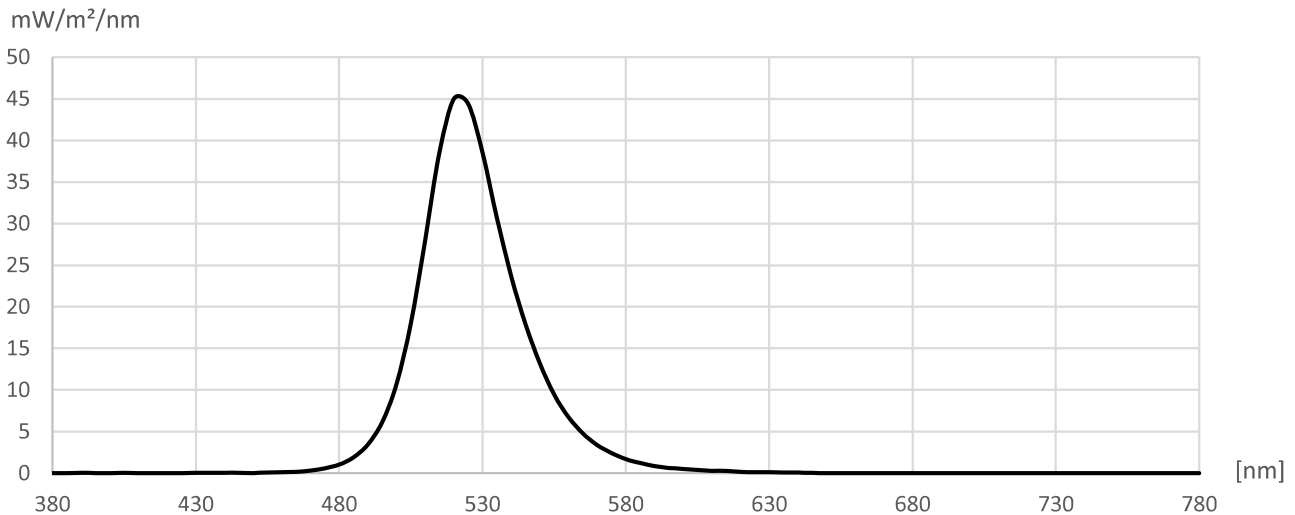


# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / green / @ 3m

Measurement file: 451258\_g\_3m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:16:56



R1 = -35,4	Ra = -24,5	Illuminance	904,17 lx	CIE1931
R2 = -8,6	Re = -55,4	Ee	1,782 W/m <sup>2</sup>	x = 0,1803
R3 = -21,5	GAI = 0,6	LER	507,3 lm/W	y = 0,7286
R4 = -64,5				
R5 = -9,9		correlated color temperature (CCT)	7637 K	CIE1976
R6 = -15,3		Duv	0,1553	u' = 0,0634
R7 = -6,9				v' = 0,5761
R8 = -33,7		Saturation	80,3 %	
R9 = #####				CIE1960
R10 = #####		Dominant wavelength	526 nm	u = 0,0634
R11 = -94,9		Peak wavelength	522 nm	v = 0,3841
R12 = -32,2				
R13 = -40,5		Flicker frequency	% < 2.5 Hz	TM30
R14 = 39,4		Percent Flicker	< 2.5 %	Rf = 0,8
R15 = -39,8		Flicker index	% < 2.5	Rg = 8,4

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0,00	440	0,05	500	10,72	560	6,72	620	0,16	680	0,00	740	0,00
385	0,01	445	0,07	505	18,04	565	4,78	625	0,12	685	0,00	745	0,00
390	0,07	450	0,03	510	28,08	570	3,40	630	0,12	690	0,01	750	0,00
395	0,03	455	0,09	515	38,51	575	2,44	635	0,08	695	0,00	755	0,00
400	0,01	460	0,12	520	44,97	580	1,68	640	0,07	700	0,01	760	0,00
405	0,06	465	0,18	525	44,40	585	1,23	645	0,04	705	0,00	765	0,00
410	0,02	470	0,32	530	38,52	590	0,87	650	0,01	710	0,00	770	0,00
415	0,03	475	0,60	535	30,65	595	0,64	655	0,00	715	0,00	775	0,00
420	0,00	480	1,04	540	23,72	600	0,53	660	0,00	720	0,00	780	0,00
425	0,02	485	1,91	545	17,95	605	0,38	665	0,01	725	0,00		
430	0,05	490	3,44	550	13,21	610	0,30	670	0,00	730	0,00		
435	0,06	495	6,12	555	9,44	615	0,28	675	0,01	735	0,00		

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Burgebrach, 16.10.2019

First, last name of inspector

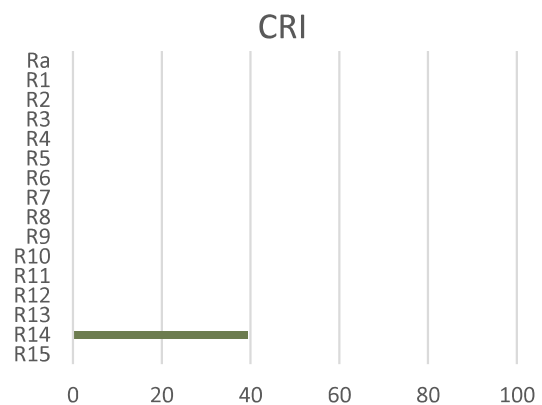
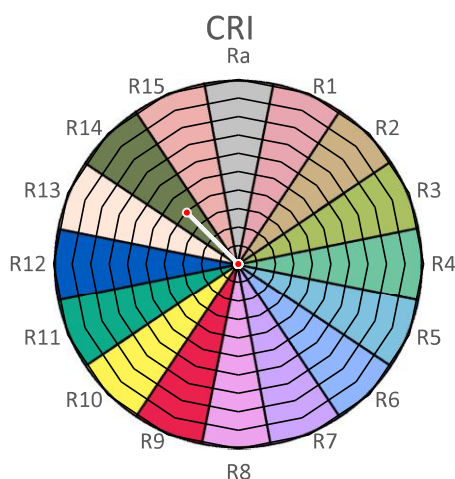
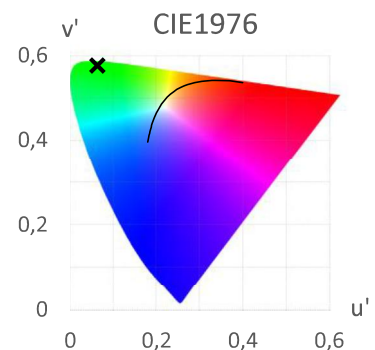
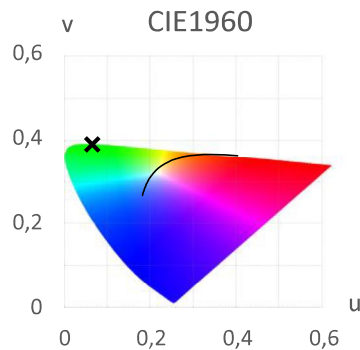
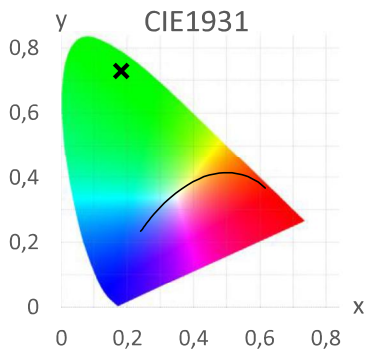
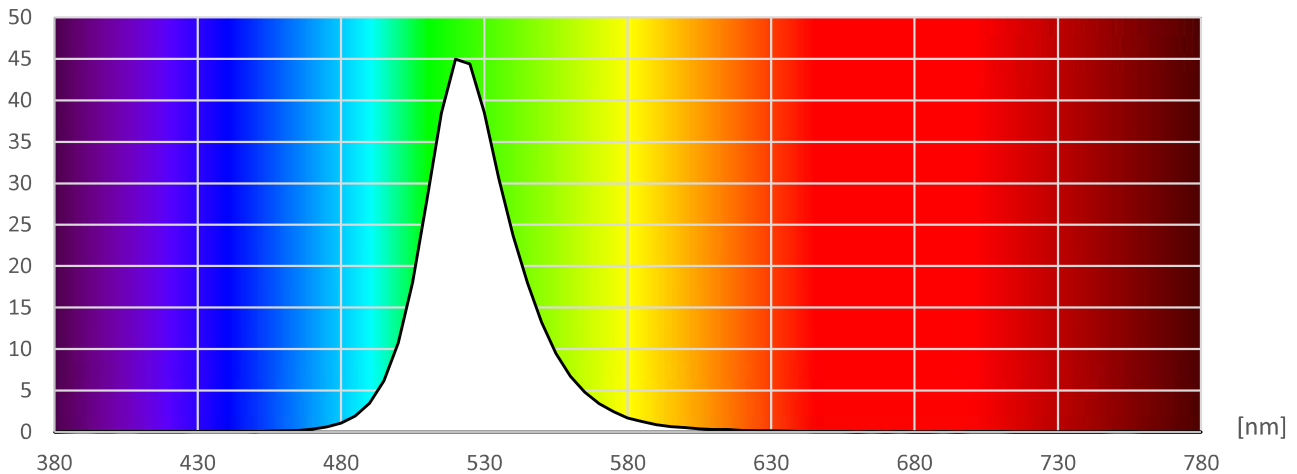
# Measurement protocol

th.mann

Test object: Stairville  
xBrick HEX 16x8W RGBAW UV  
451258 / green / @ 3m

Measurement file: 451258\_g\_3m.CSV  
Date of measurement: 16.10.2019  
Time of measurement: 09:16:56

mW/m<sup>2</sup>/nm



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Burgebrach, 16.10.2019

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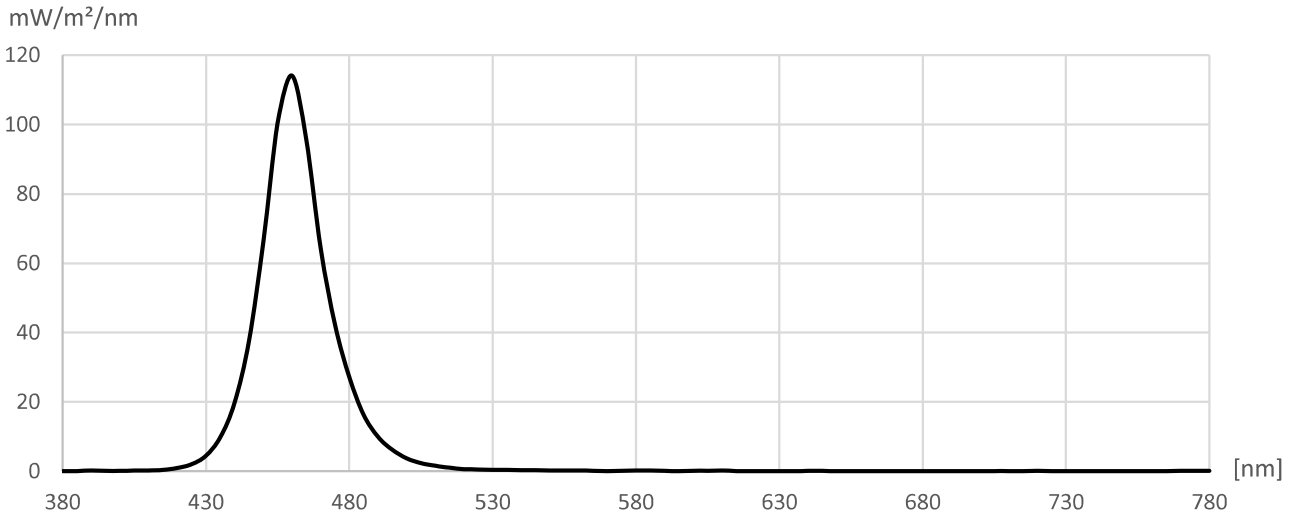
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / blue / @ 3m

Measurement file: 451258\_b\_3m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:17:08



R1 = -	Ra = -	Illuminance	176,09 lx	CIE1931
R2 = -	Re = -	Ee	3,165 W/m <sup>2</sup>	x = 0,1421
R3 = -	GAI = -	LER	55,6 lm/W	y = 0,0452
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,1745
R7 = -				v' = 0,1249
R8 = -		Saturation	98 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	457 nm	u = 0,1745
R11 = -		Peak wavelength	458 nm	v = 0,0833
R12 = -				
R13 = -		Flicker frequency	% < 2.5 Hz	TM30
R14 = -		Percent Flicker	< 2.5 %	Rf = -
R15 = -		Flicker index	% < 2.5	Rg = -

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0,02	440	19,81	500	3,71	560	0,23	620	0,06	680	0,00	740	0,00
385	0,06	445	37,65	505	2,33	565	0,14	625	0,01	685	0,01	745	0,02
390	0,21	450	66,32	510	1,55	570	0,05	630	0,06	690	0,02	750	0,00
395	0,13	455	100,27	515	1,01	575	0,14	635	0,06	695	0,01	755	0,00
400	0,08	460	114,14	520	0,63	580	0,23	640	0,08	700	0,00	760	0,00
405	0,17	465	95,73	525	0,51	585	0,20	645	0,08	705	0,07	765	0,04
410	0,23	470	64,31	530	0,42	590	0,10	650	0,04	710	0,04	770	0,10
415	0,36	475	42,19	535	0,39	595	0,04	655	0,06	715	0,00	775	0,09
420	0,97	480	27,06	540	0,31	600	0,17	660	0,06	720	0,11	780	0,09
425	2,04	485	16,31	545	0,26	605	0,12	665	0,02	725	0,05		
430	4,49	490	9,95	550	0,25	610	0,22	670	0,04	730	0,04		
435	9,78	495	6,21	555	0,20	615	0,06	675	0,00	735	0,03		

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Burgebrach, 16.10.2019

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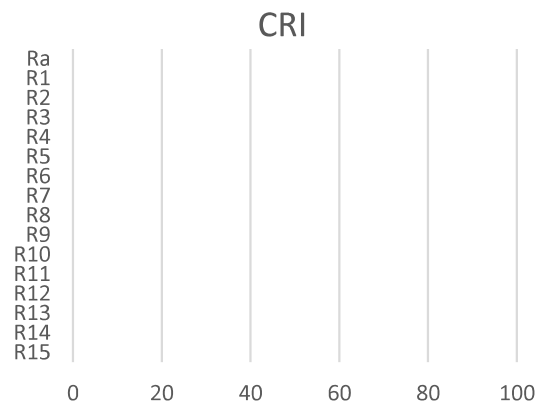
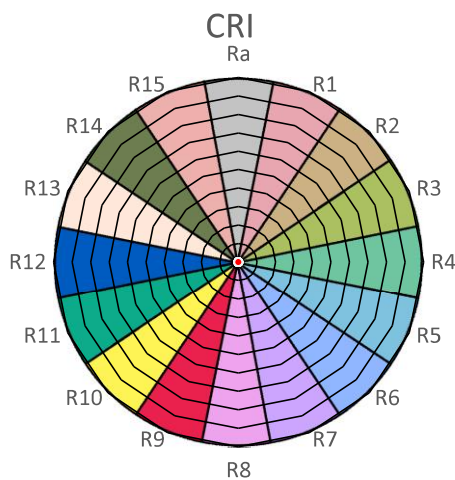
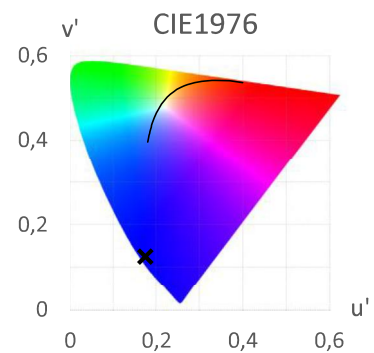
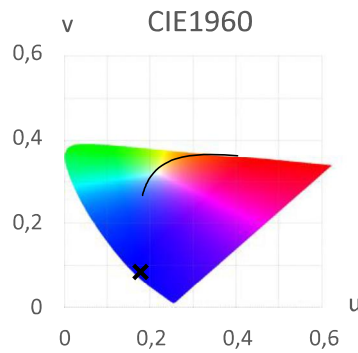
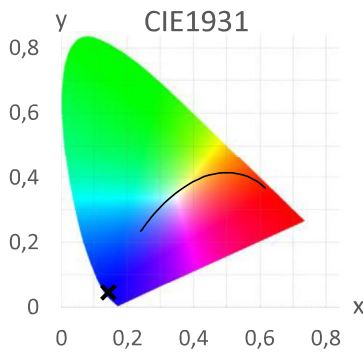
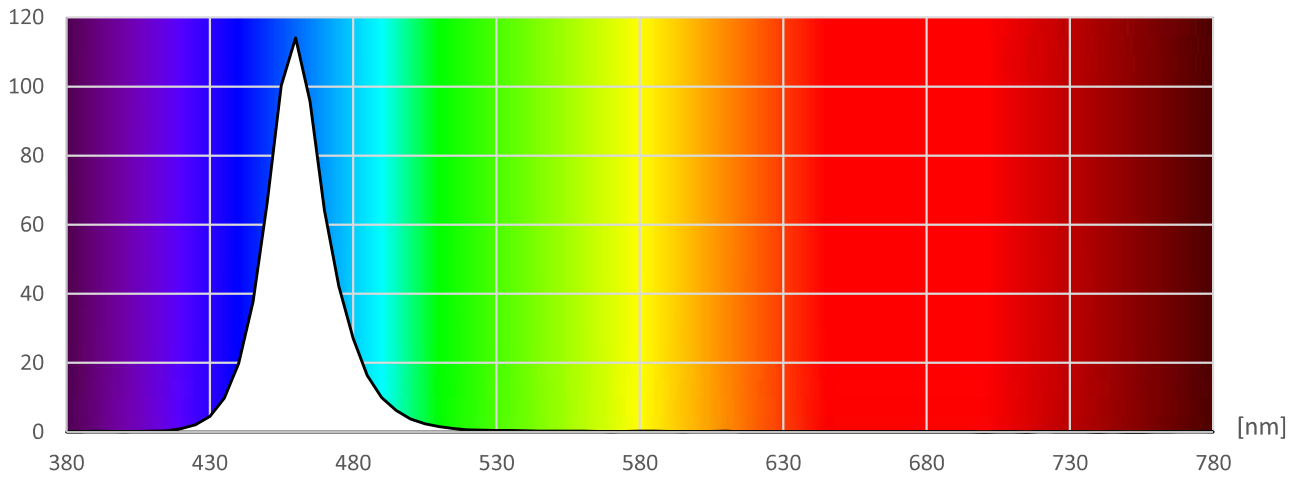
# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / blue / @ 3m

Measurement file: 451258\_b\_3m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:17:08

mW/m<sup>2</sup>/nm



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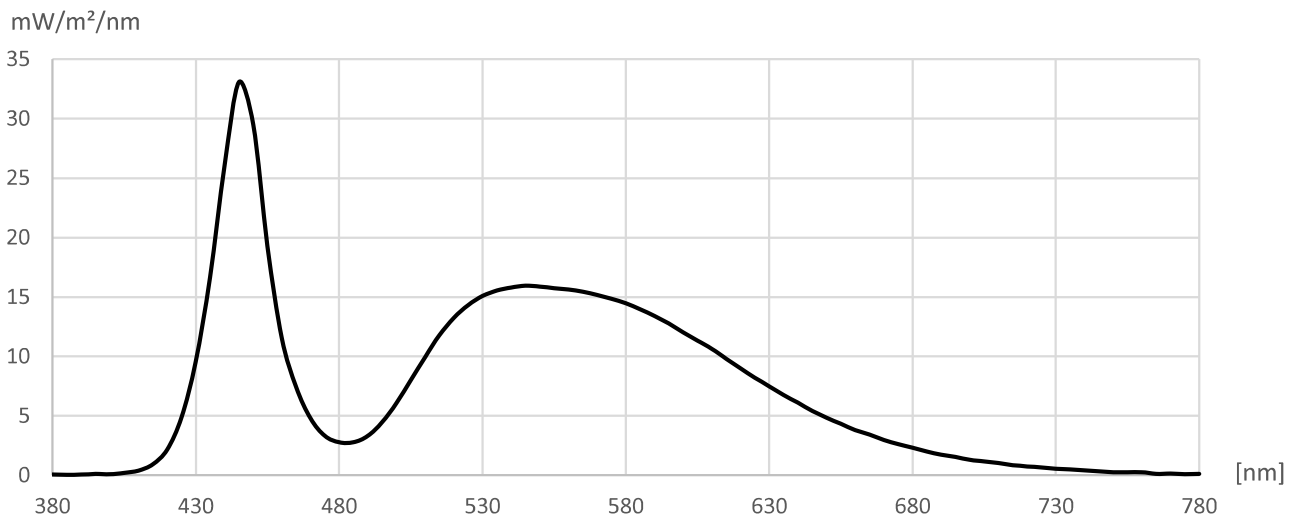
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / cw / @ 3m

Measurement file: 451258\_cw\_3m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:36:38



R1 = 69,6	Ra = 70,5	Illuminance	940,9 lx	CIE1931
R2 = 72,9	Re = 60,0	Ee	2,908 W/m <sup>2</sup>	x = 0,3143
R3 = 74,0	GAI = 86,7	LER	323,6 lm/W	y = 0,3305
R4 = 72,6				
R5 = 71,0		correlated color temperature (CCT)	6404 K	CIE1976
R6 = 64,1		Duv	0,0031	u' = 0,1984
R7 = 78,3		Saturation	6,6 %	v' = 0,4694
R8 = 61,2				
R9 = -28,2				CIE1960
R10 = 34,8		Dominant wavelength	487 nm	u = 0,1984
R11 = 71,5		Peak wavelength	445 nm	v = 0,3129
R12 = 40,6				
R13 = 69,1		Flicker frequency	% < 2.5 Hz	TM30
R14 = 85,3		Percent Flicker	< 2.5 %	Rf = 67,1
R15 = 63,8		Flicker index	% < 2.5	Rg = 95,1

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0,06	440	26,00	500	6,07	560	15,62	620	8,99	680	2,32	740	0,42
385	0,04	445	33,06	505	8,01	565	15,44	625	8,22	685	2,00	745	0,34
390	0,06	450	29,49	510	9,95	570	15,17	630	7,49	690	1,74	750	0,26
395	0,11	455	19,31	515	11,78	575	14,85	635	6,76	695	1,54	755	0,24
400	0,08	460	11,57	520	13,23	580	14,46	640	6,10	700	1,29	760	0,26
405	0,20	465	7,43	525	14,31	585	13,96	645	5,42	705	1,16	765	0,11
410	0,39	470	4,79	530	15,08	590	13,39	650	4,85	710	1,04	770	0,13
415	0,93	475	3,31	535	15,54	595	12,76	655	4,33	715	0,85	775	0,09
420	2,17	480	2,76	540	15,80	600	12,03	660	3,81	720	0,75	780	0,13
425	4,90	485	2,78	545	15,94	605	11,33	665	3,41	725	0,66		
430	9,54	490	3,30	550	15,88	610	10,64	670	2,96	730	0,55		
435	16,69	495	4,46	555	15,73	615	9,80	675	2,61	735	0,49		

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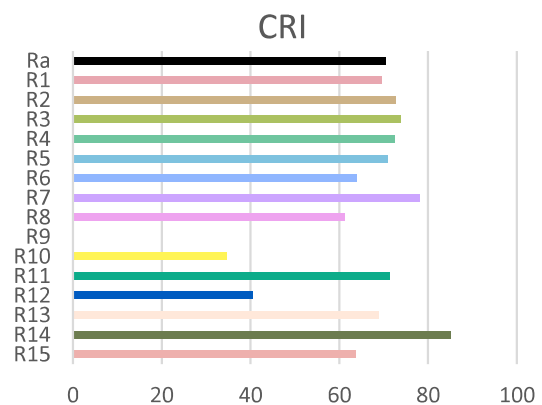
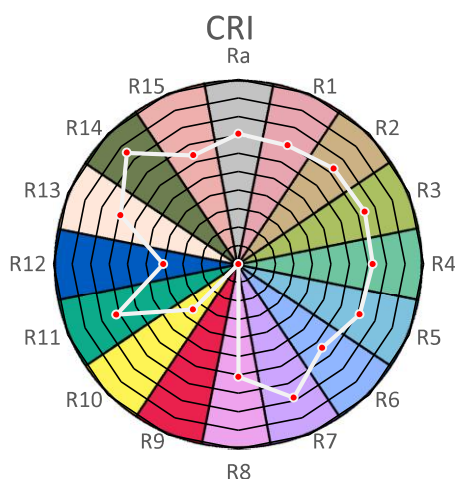
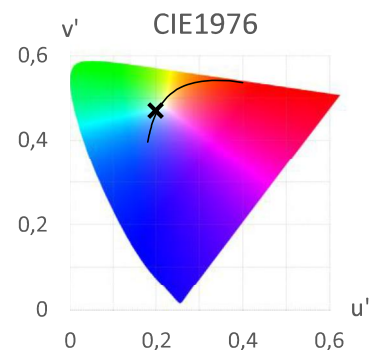
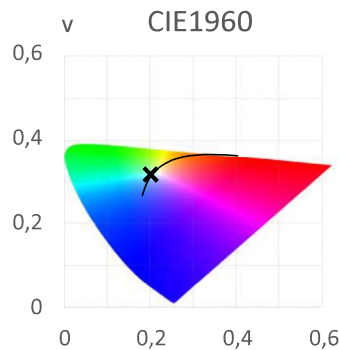
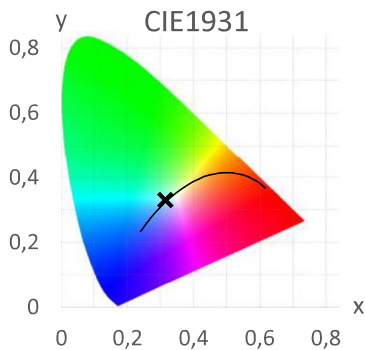
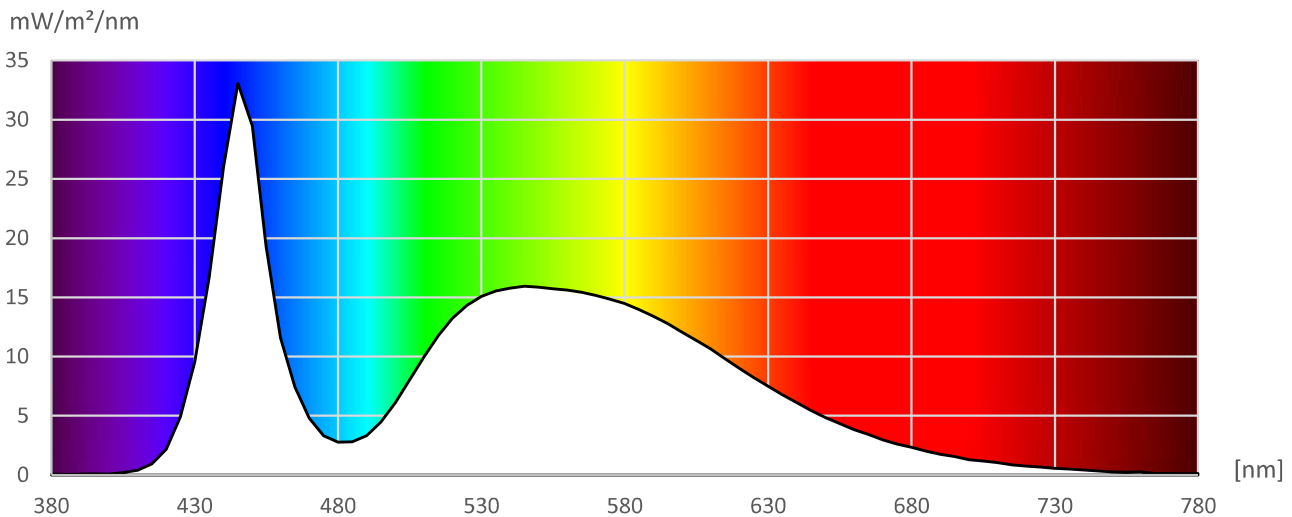
First, last name of inspector

# Measurement protocol

th•mann

Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / cw / @ 3m

Measurement file: 451258\_cw\_3m.CS  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:36:38



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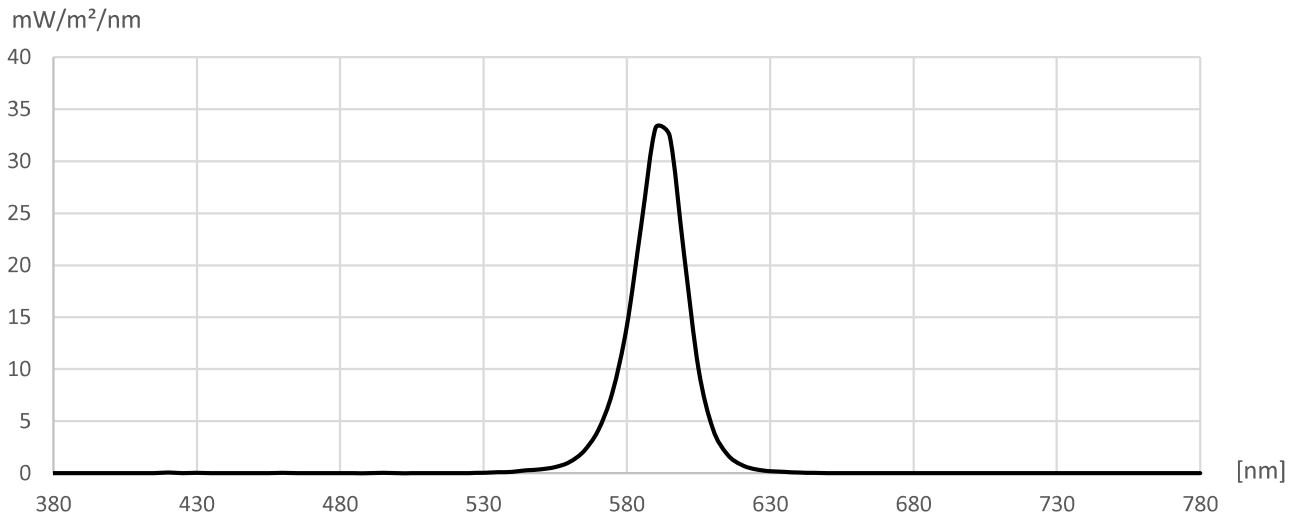


# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / amber / @ 3m

Measurement file: 451258\_am\_3m.CSV  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:27:10



R1 = -41,1	Ra = -24,1	Illuminance	403,16 lx	CIE1931
R2 = 46,8	Re = -50,4	Ee	0,797 W/m <sup>2</sup>	x = 0,5708
R3 = 23,0	GAI = 0,1	LER	505,5 lm/W	y = 0,4274
R4 = -71,1				
R5 = -44,9		correlated color temperature (CCT)	1761 K	CIE1976
R6 = 30,2		Duv	0,0085	u' = 0,3268
R7 = -2,6				v' = 0,5505
R8 = #####		Saturation	99,4 %	
R9 = #####				CIE1960
R10 = 18,5		Dominant wavelength	589 nm	u = 0,3268
R11 = #####		Peak wavelength	592 nm	v = 0,3670
R12 = -25,6				
R13 = -23,5		Flicker frequency	% < 2.5 Hz	TM30
R14 = 48,4		Percent Flicker	< 2.5 %	Rf = 0,8
R15 = -69,8		Flicker index	% < 2.5	Rg = 6,1

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0,00	440	0,01	500	0,00	560	1,08	620	0,79	680	0,00	740	0,00
385	0,00	445	0,01	505	0,00	565	2,14	625	0,38	685	0,00	745	0,01
390	0,00	450	0,01	510	0,02	570	4,10	630	0,20	690	0,00	750	0,00
395	0,01	455	0,00	515	0,02	575	7,79	635	0,13	695	0,00	755	0,00
400	0,00	460	0,03	520	0,00	580	14,14	640	0,06	700	0,00	760	0,00
405	0,00	465	0,01	525	0,02	585	23,84	645	0,04	705	0,00	765	0,00
410	0,00	470	0,01	530	0,05	590	33,21	650	0,01	710	0,00	770	0,00
415	0,01	475	0,02	535	0,10	595	32,40	655	0,00	715	0,00	775	0,00
420	0,06	480	0,02	540	0,15	600	21,02	660	0,01	720	0,00	780	0,00
425	0,00	485	0,00	545	0,28	605	10,07	665	0,01	725	0,00		
430	0,05	490	0,00	550	0,38	610	4,27	670	0,01	730	0,01		
435	0,00	495	0,04	555	0,59	615	1,83	675	0,00	735	0,01		

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Burgebrach, 16.10.2019

First, last name of inspector

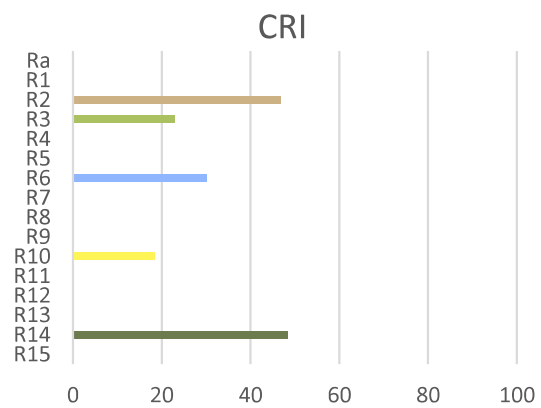
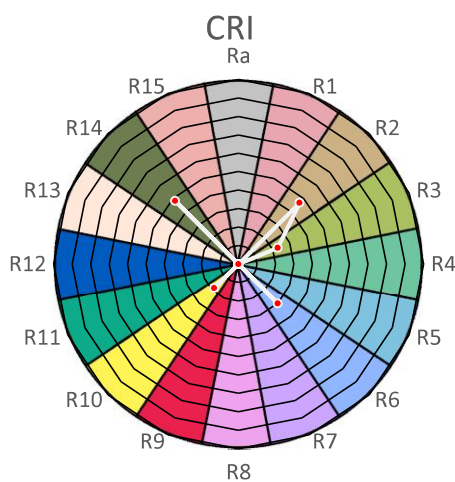
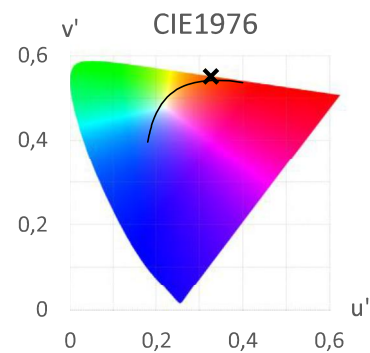
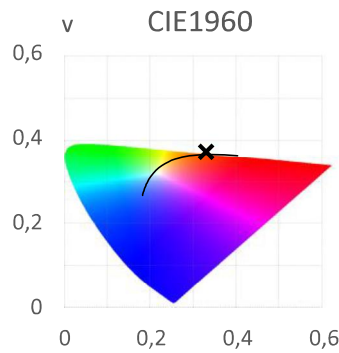
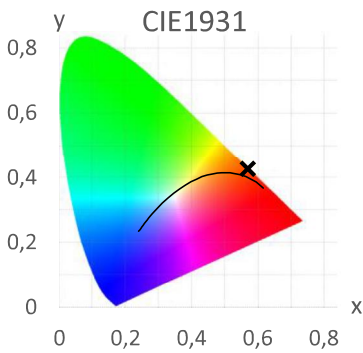
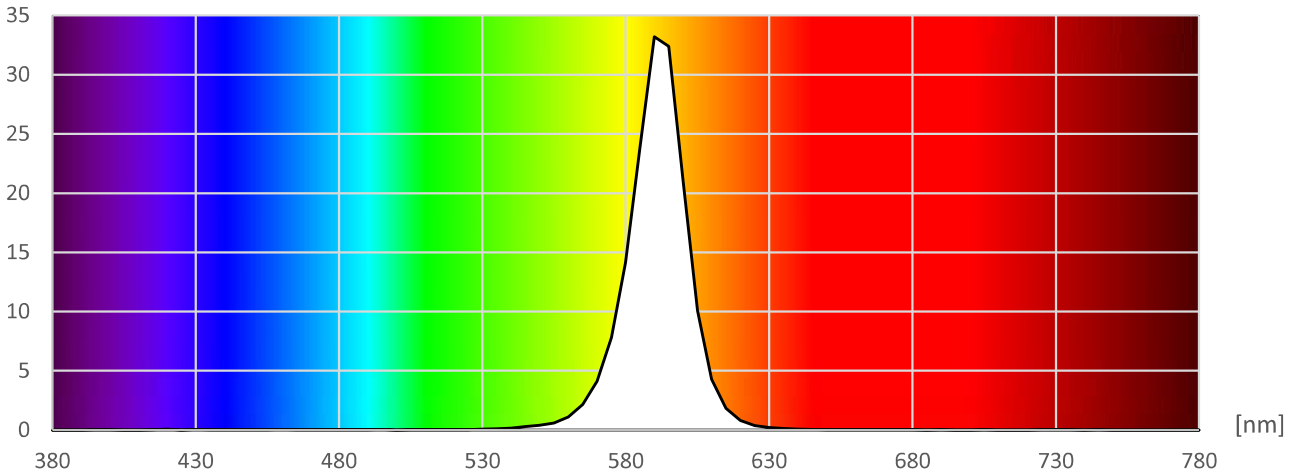
# Measurement protocol



Test object: Stairville  
 xBrick HEX 16x8W RGBAW UV  
 451258 / amber / @ 3m

Measurement file: 451258\_am\_3m.CS  
 Date of measurement: 16.10.2019  
 Time of measurement: 09:27:10

mW/m<sup>2</sup>/nm



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Burgebrach, 16.10.2019

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