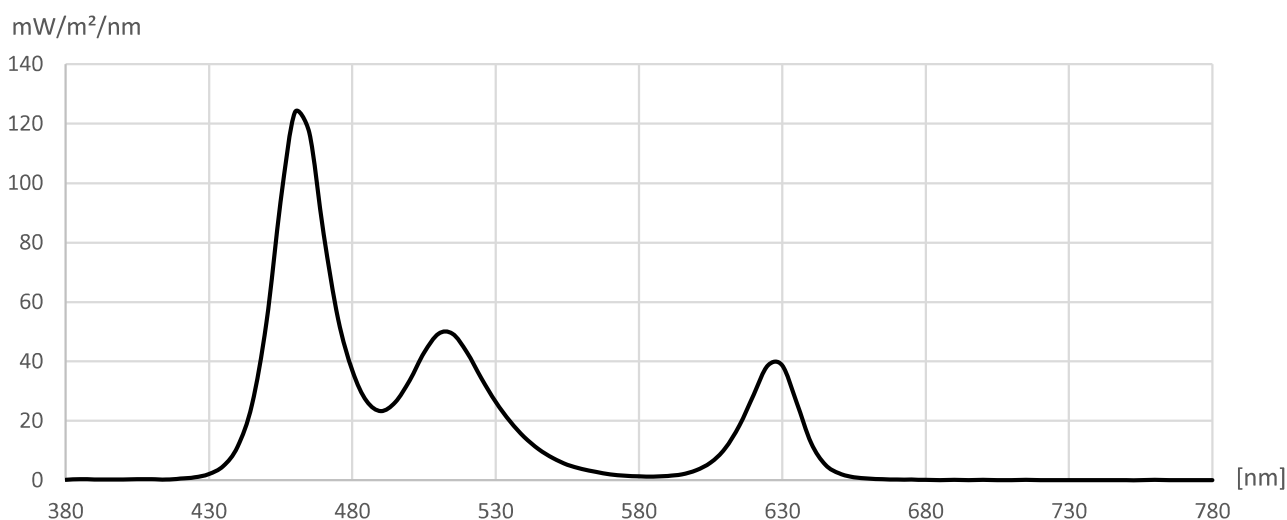


Measurement protocol

th.mann

Test object: Stairville
Wild Wash (Pro) 648 LED RGB DMX
Item 399658 + 432585 / @ 1 m / all

Measurement file: 432585_399658_1m_a
Date of measurement: 21.11.2018
Time of measurement: 19:15:56



R1 = -	Ra = -	Illuminance	1210,23 lx	CIE1931
R2 = -	Re = -	Ee	6,158 W/m ²	x = 0,2030
R3 = -	GAI = -	LER	196,5 lm/W	y = 0,2098
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,1589
R7 = -				v' = 0,3694
R8 = -		Saturation	56,3 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	474 nm	u = 0,1589
R11 = -		Peak wavelength	460 nm	v = 0,2462
R12 = -				
R13 = -		Flicker frequency	% < 2.5 Hz	TM30
R14 = -		Percent Flicker	< 2.5 %	Rf = -
R15 = -		Flicker index	% < 2.5	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	0,16	440	11,37	500	33,62	560	3,79	620	28,80	680	0,13	740	0,07
385	0,35	445	25,50	505	42,93	565	2,83	625	38,68	685	0,01	745	0,01
390	0,30	450	52,98	510	49,27	570	2,01	630	38,62	690	0,13	750	0,01
395	0,26	455	93,55	515	49,32	575	1,55	635	26,18	695	0,03	755	0,00
400	0,28	460	123,78	520	43,06	580	1,28	640	12,57	700	0,10	760	0,15
405	0,33	465	116,95	525	34,33	585	1,25	645	5,20	705	0,04	765	0,04
410	0,36	470	82,85	530	26,34	590	1,47	650	2,24	710	0,06	770	0,00
415	0,22	475	54,36	535	19,79	595	2,00	655	1,01	715	0,11	775	0,05
420	0,52	480	36,80	540	14,55	600	3,40	660	0,60	720	0,03	780	0,00
425	0,99	485	26,64	545	10,44	605	5,94	665	0,33	725	0,07		
430	2,06	490	23,31	550	7,41	610	10,63	670	0,20	730	0,04		
435	4,77	495	26,28	555	5,23	615	18,44	675	0,20	735	0,00		

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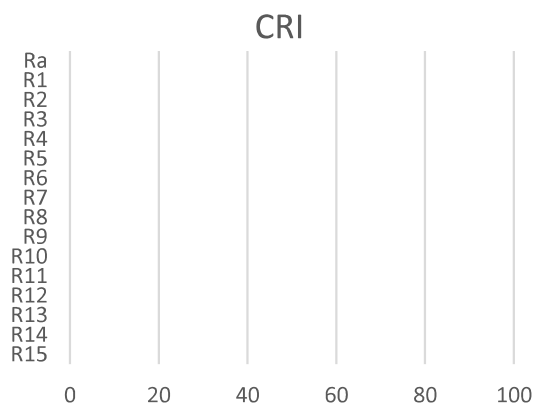
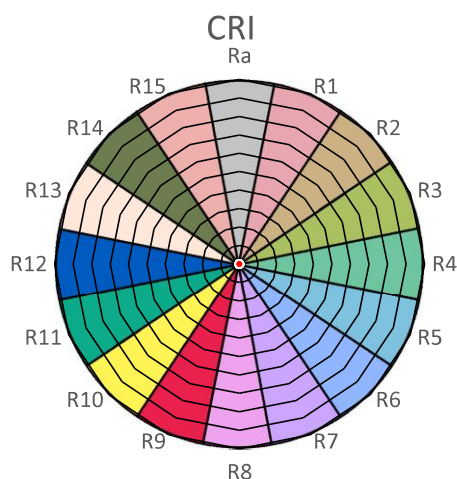
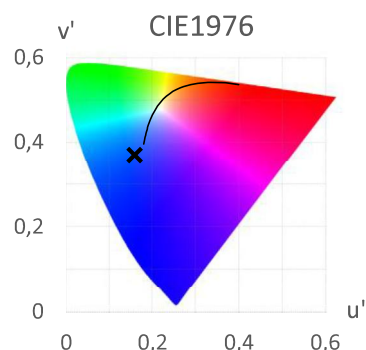
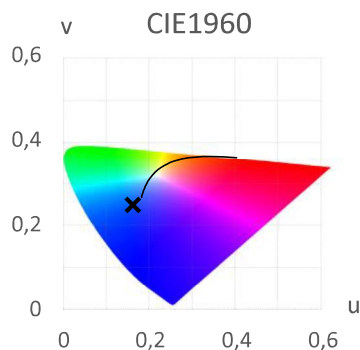
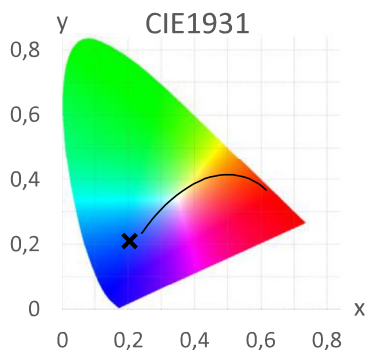
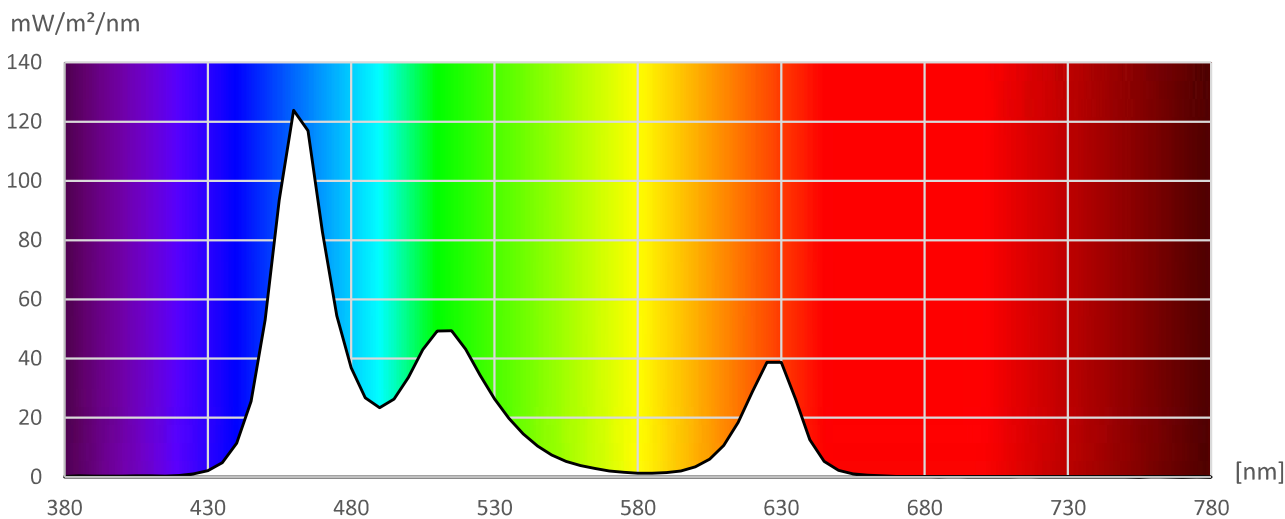
First, last name of inspector

Measurement protocol

th•mann

Test object: Stairville
Wild Wash (Pro) 648 LED RGB DMX
Item 399658 + 432585 / @ 1 m / all

Measurement file: 432585_399658_1
Date of measurement: 16.11.2018
Time of measurement: 19:15:56



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Burgebrach, 21.11.2018

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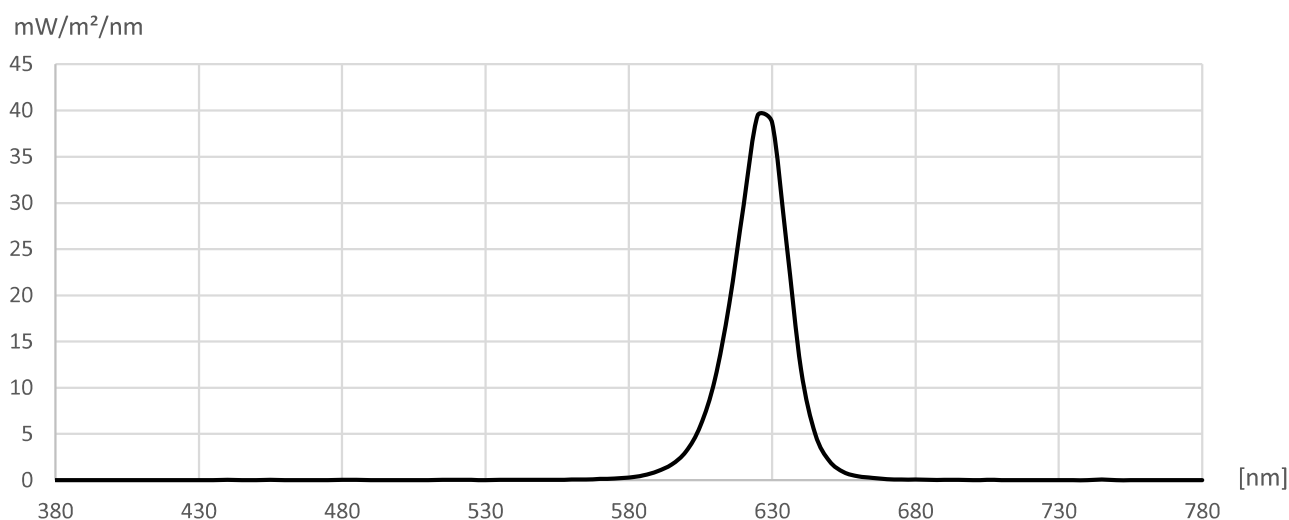
First, last name of inspector

Measurement protocol

th.mann

Test object: Stairville
Wild Wash (Pro) 648 LED RGB DMX
Item 399658 + 432585 / @ 1 m / red

Measurement file: 432585_399658_1m_r.
Date of measurement: 21.11.2018
Time of measurement: 19:16:10



R1 = -	Ra = -	Illuminance	224,5 lx	CIE1931
R2 = -	Re = -	Ee	0,992 W/m ²	x = 0,6863
R3 = -	GAI = -	LER	226,2 lm/W	y = 0,3116
R4 = -				
R5 = -		correlated color temperature (CCT)	< 1600 K	CIE1976
R6 = -		Duv	-	u' = 0,5115
R7 = -				v' = 0,5226
R8 = -		Saturation	99,1 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	623 nm	u = 0,5115
R11 = -		Peak wavelength	627 nm	v = 0,3484
R12 = -				
R13 = -		Flicker frequency	% < 2.5 Hz	TM30
R14 = -		Percent Flicker	< 2.5 %	Rf = -
R15 = -		Flicker index	% < 2.5	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	0,03	500	0,01	560	0,07	620	29,74	680	0,07	740	0,00
385	0,00	445	0,03	505	0,00	565	0,08	625	39,48	685	0,03	745	0,07
390	0,02	450	0,02	510	0,02	570	0,14	630	38,68	690	0,04	750	0,00
395	0,00	455	0,04	515	0,03	575	0,19	635	25,66	695	0,05	755	0,00
400	0,02	460	0,01	520	0,03	580	0,30	640	12,08	700	0,01	760	0,00
405	0,00	465	0,01	525	0,03	585	0,51	645	4,99	705	0,03	765	0,03
410	0,01	470	0,01	530	0,01	590	0,97	650	2,07	710	0,03	770	0,00
415	0,01	475	0,02	535	0,04	595	1,71	655	0,88	715	0,00	775	0,02
420	0,01	480	0,04	540	0,04	600	3,12	660	0,43	720	0,00	780	0,00
425	0,01	485	0,03	545	0,05	605	5,91	665	0,27	725	0,02		
430	0,00	490	0,01	550	0,03	610	10,88	670	0,12	730	0,01		
435	0,01	495	0,01	555	0,04	615	19,04	675	0,06	735	0,00		

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Burgebrach, 21.11.2018

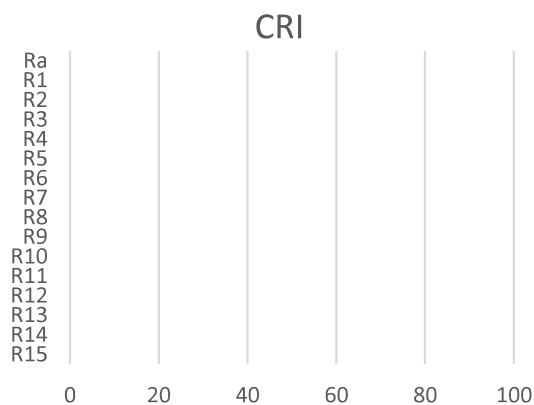
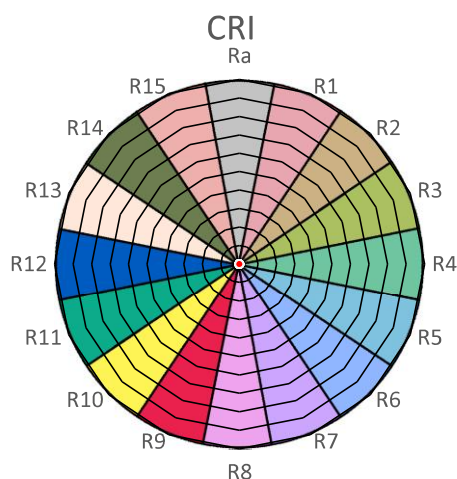
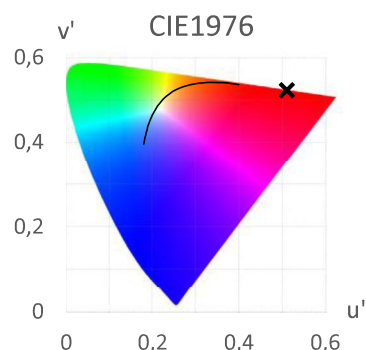
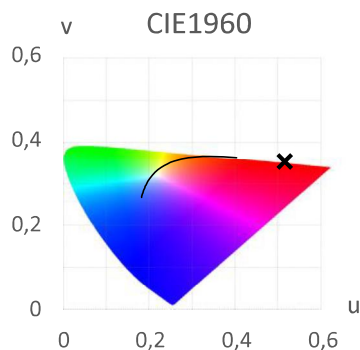
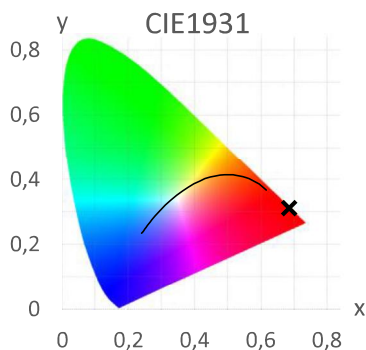
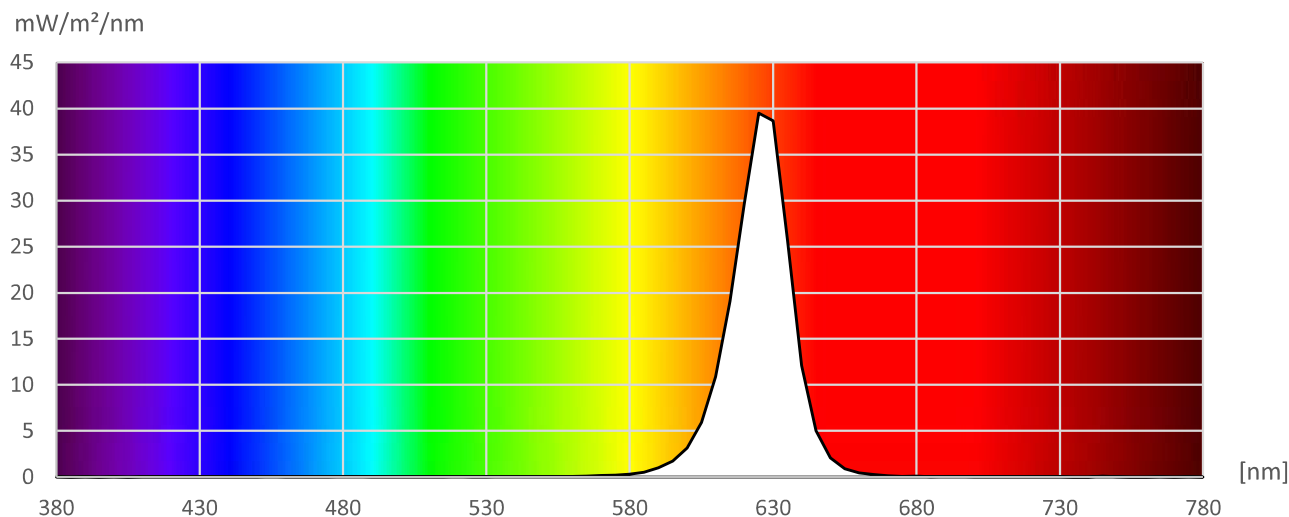
First, last name of inspector

Measurement protocol

th•mann

Test object: Stairville
Wild Wash (Pro) 648 LED RGB DMX
Item 399658 + 432585 / @ 1 m / red

Measurement file: 432585_399658_1
Date of measurement: 16.11.2018
Time of measurement: 19:16:10



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Burgebrach, 21.11.2018

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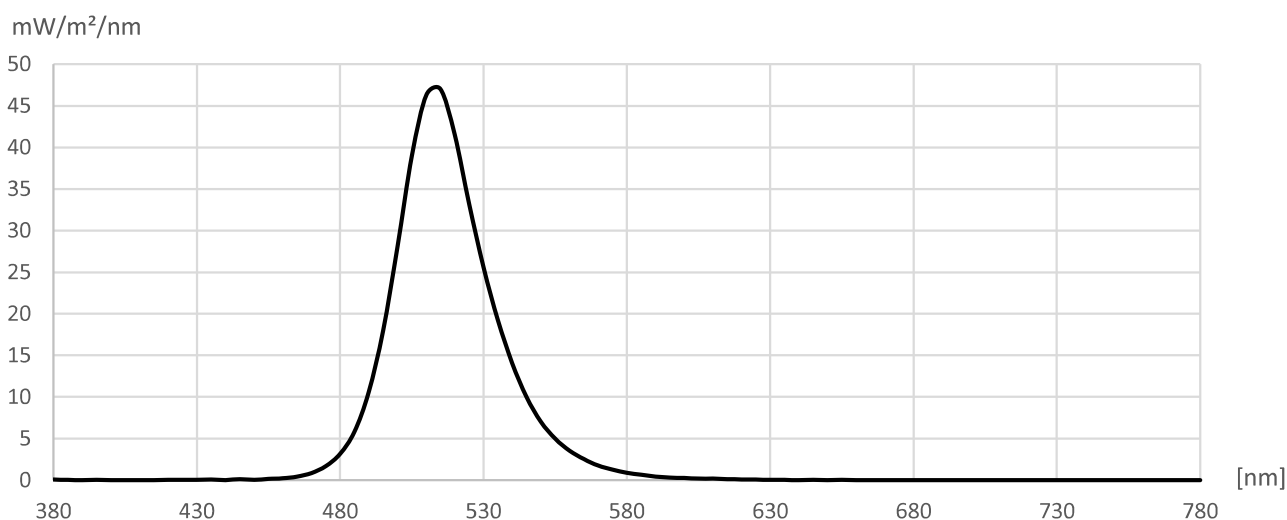
First, last name of inspector

Measurement protocol

th.mann

Test object: Stairville
Wild Wash (Pro) 648 LED RGB DMX
Item 399658 + 432585 / @ 1 m / green

Measurement file: 432585_399658_1m_g
Date of measurement: 21.11.2018
Time of measurement: 19:16:20



R1 = -35,1	Ra = -24,0
R2 = -7,6	Re = -54,0
R3 = -23,8	GAI = 0,9
R4 = -62,8	
R5 = -8,3	
R6 = -17,6	
R7 = -6,9	
R8 = -29,8	
R9 = #####	
R10 = #####	
R11 = -89,4	
R12 = -30,8	
R13 = -41,9	
R14 = 38,2	
R15 = -35,9	

Illuminance	779,3 lx
Ee	1,852 W/m²
LER	420,9 lm/W
correlated color temperature (CCT)	8789 K
Duv	0,1664
Saturation	73,2 %
Dominant wavelength	514 nm
Peak wavelength	513 nm
Flicker frequency	% < 2.5 Hz
Percent Flicker	< 2.5 %
Flicker index	% < 2.5

CIE1931
x = 0,1275
y = 0,6949
CIE1976
u' = 0,0460
v' = 0,5643
CIE1960
u = 0,0460
v = 0,3762
TM30
Rf = 0,6
Rg = 8,1

[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm
380	0,07	440	0,03	500	28,09	560	3,55	620	0,10	680	0,00	740	0,00
385	0,04	445	0,13	505	39,04	565	2,53	625	0,07	685	0,00	745	0,00
390	0,00	450	0,04	510	46,29	570	1,77	630	0,06	690	0,00	750	0,00
395	0,04	455	0,16	515	47,02	575	1,27	635	0,04	695	0,00	755	0,00
400	0,01	460	0,23	520	41,50	580	0,89	640	0,03	700	0,00	760	0,00
405	0,00	465	0,43	525	33,19	585	0,65	645	0,05	705	0,00	765	0,01
410	0,02	470	0,87	530	25,58	590	0,44	650	0,01	710	0,00	770	0,01
415	0,02	475	1,68	535	19,21	595	0,31	655	0,03	715	0,00	775	0,00
420	0,04	480	3,18	540	14,10	600	0,27	660	0,01	720	0,00	780	0,00
425	0,04	485	5,82	545	10,04	605	0,19	665	0,01	725	0,00		
430	0,04	490	10,60	550	7,05	610	0,19	670	0,00	730	0,00		
435	0,07	495	17,99	555	4,99	615	0,14	675	0,00	735	0,00		

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Burgebrach, 21.11.2018

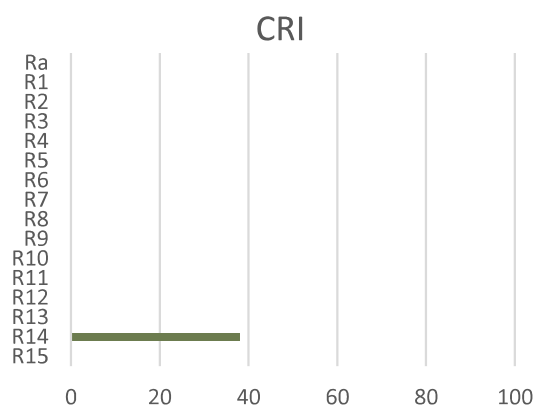
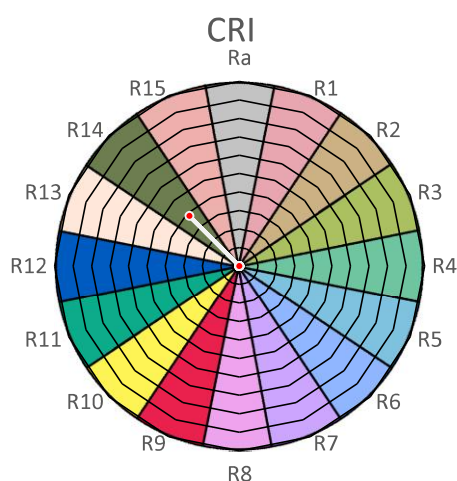
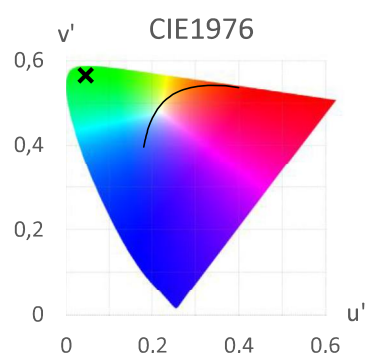
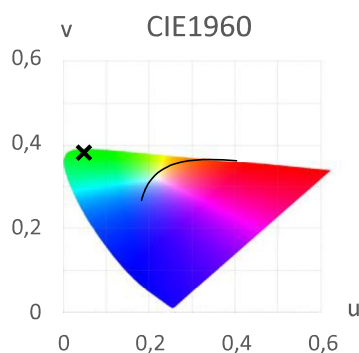
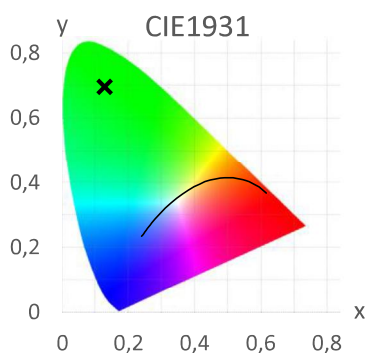
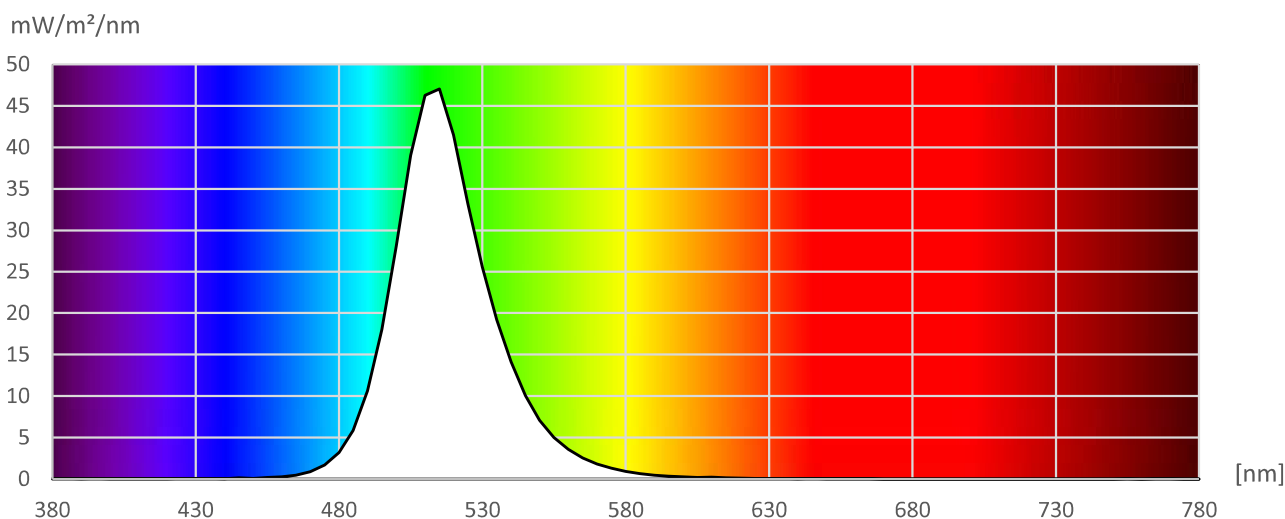
First, last name of inspector

Measurement protocol

th•mann

Test object: Stairville
Wild Wash (Pro) 648 LED RGB DMX
Item 399658 + 432585 / @ 1 m / green

Measurement file: 432585_399658_1
Date of measurement: 16.11.2018
Time of measurement: 19:16:20



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Burgebrach, 21.11.2018

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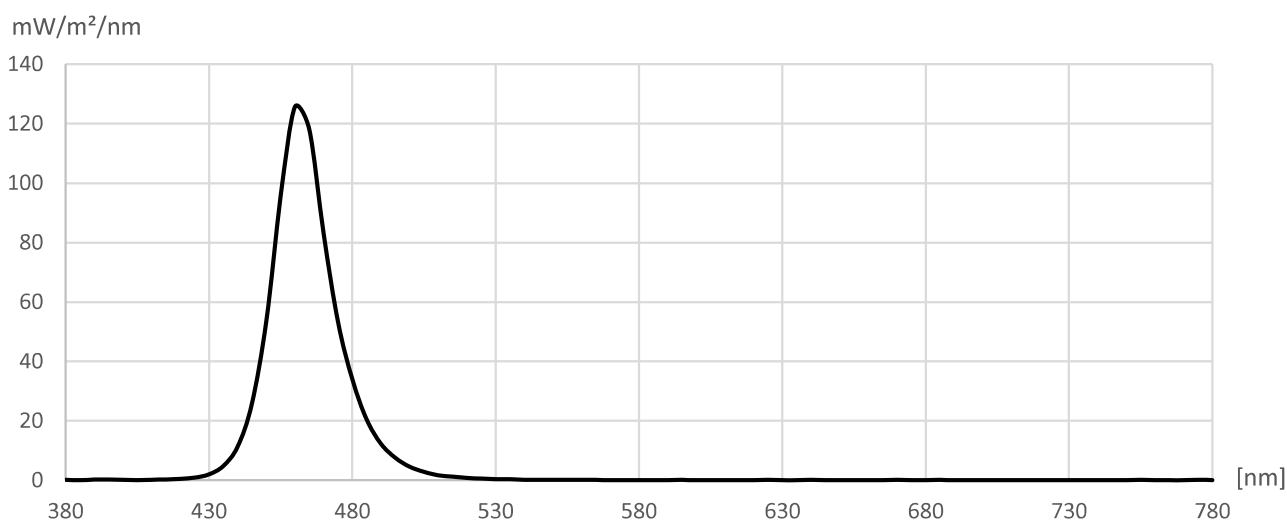
First, last name of inspector

Measurement protocol

th.mann

Test object: Stairville
Wild Wash (Pro) 648 LED RGB DMX
Item 399658 + 432585 / @ 1 m / blue

Measurement file: 432585_399658_1m_b
Date of measurement: 21.11.2018
Time of measurement: 19:16:33



R1 = -	Ra = -	Illuminance	196,55 lx	CIE1931
R2 = -	Re = -	Ee	3,323 W/m ²	x = 0,1380
R3 = -	GAI = -	LER	59,2 lm/W	y = 0,0494
R4 = -				
R5 = -		correlated color temperature (CCT)	> 50000 K	CIE1976
R6 = -		Duv	-	u' = 0,1664
R7 = -				v' = 0,1342
R8 = -		Saturation	98,2 %	
R9 = -				CIE1960
R10 = -		Dominant wavelength	459 nm	u = 0,1664
R11 = -		Peak wavelength	460 nm	v = 0,0894
R12 = -				
R13 = -		Flicker frequency	% < 2.5 Hz	TM30
R14 = -		Percent Flicker	< 2.5 %	Rf = -
R15 = -		Flicker index	% < 2.5	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	0,09	440	11,27	500	4,55	560	0,11	620	0,05	680	0,06	740	0,00
385	0,03	445	25,95	505	2,79	565	0,09	625	0,10	685	0,09	745	0,00
390	0,20	450	53,78	510	1,67	570	0,05	630	0,05	690	0,02	750	0,00
395	0,28	455	95,25	515	1,21	575	0,08	635	0,00	695	0,00	755	0,09
400	0,15	460	125,57	520	0,80	580	0,00	640	0,18	700	0,00	760	0,00
405	0,07	465	118,09	525	0,55	585	0,05	645	0,06	705	0,00	765	0,00
410	0,19	470	82,90	530	0,41	590	0,07	650	0,01	710	0,08	770	0,00
415	0,26	475	53,20	535	0,32	595	0,10	655	0,00	715	0,00	775	0,20
420	0,49	480	33,86	540	0,18	600	0,00	660	0,02	720	0,00	780	0,01
425	0,90	485	20,55	545	0,13	605	0,01	665	0,00	725	0,00		
430	2,02	490	12,30	550	0,17	610	0,03	670	0,10	730	0,00		
435	4,81	495	7,61	555	0,14	615	0,07	675	0,00	735	0,01		

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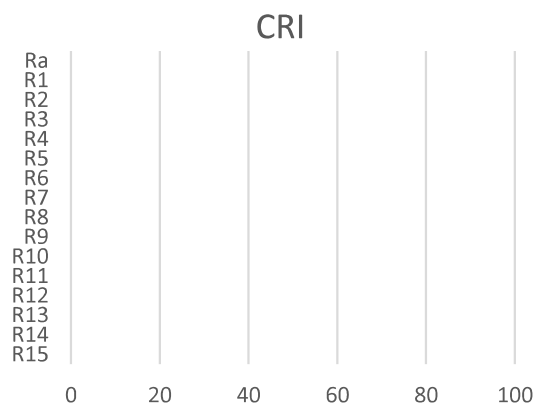
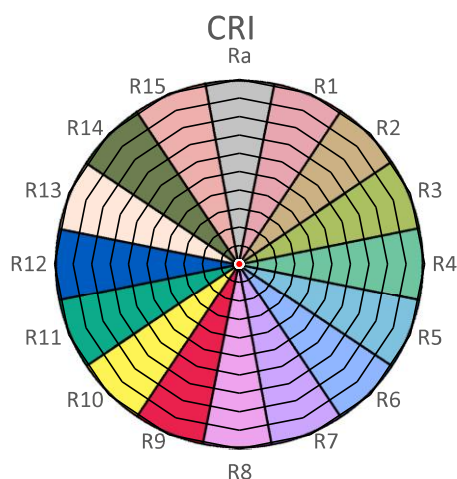
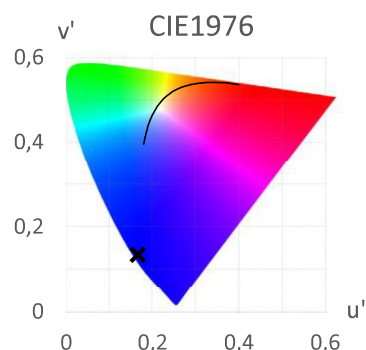
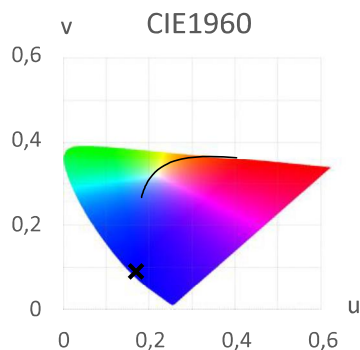
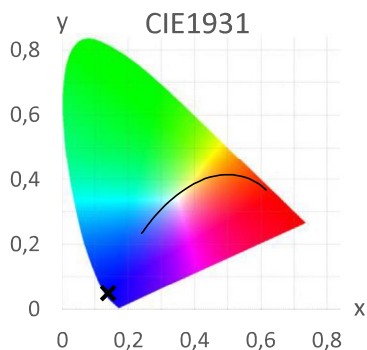
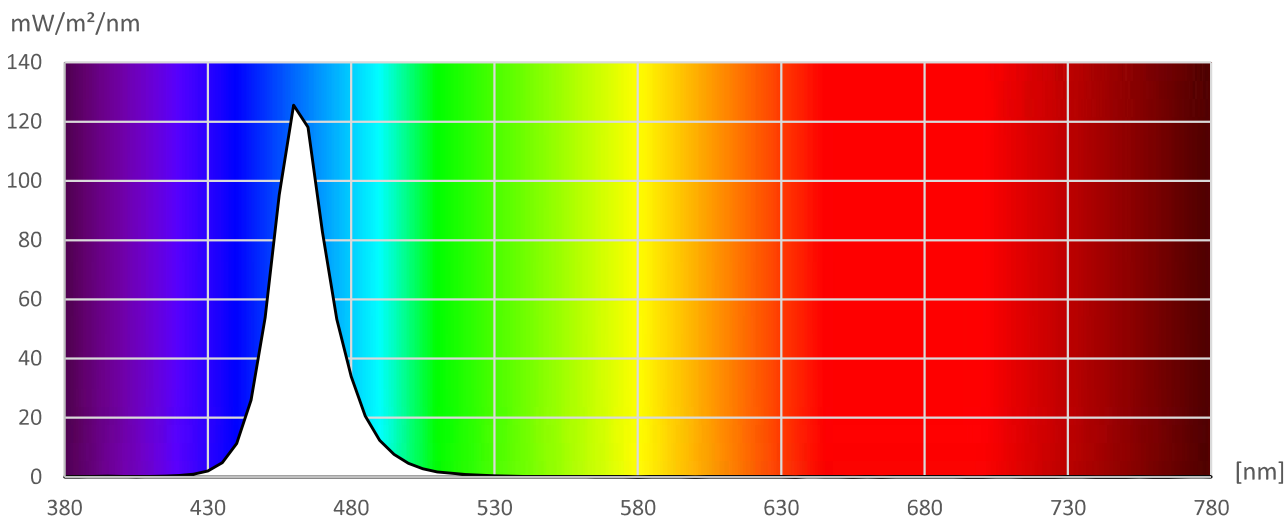
First, last name of inspector

Measurement protocol

th•mann

Test object: Stairville
Wild Wash (Pro) 648 LED RGB DMX
Item 399658 + 432585 / @ 1 m / blue

Measurement file: 432585_399658_1
Date of measurement: 16.11.2018
Time of measurement: 19:16:33



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Burgebrach, 21.11.2018

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First, last name of inspector