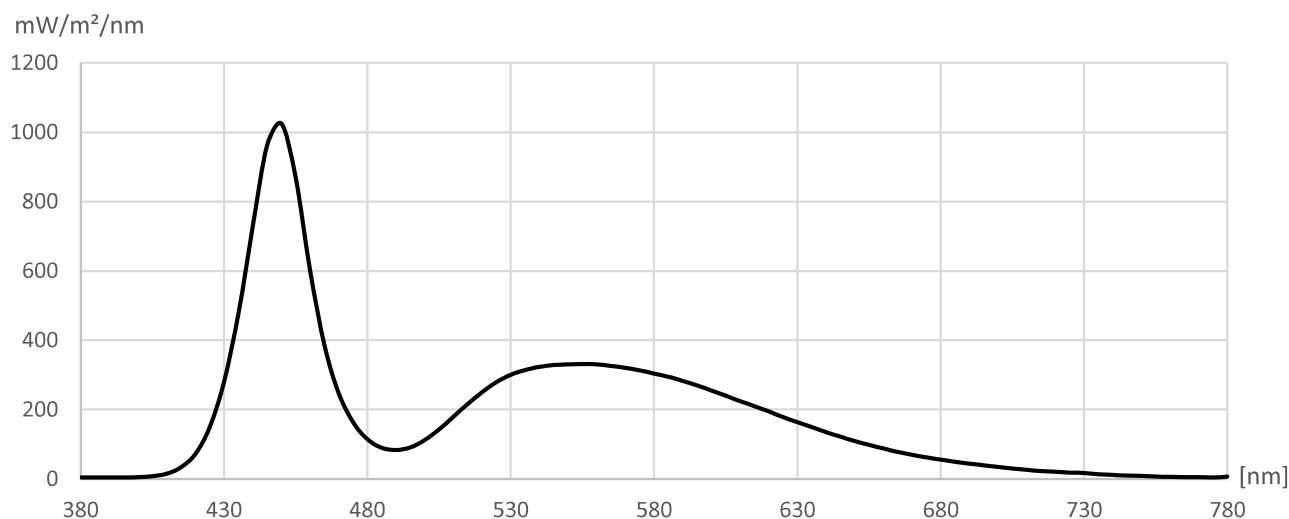


Measurement protocol

th.mann

Test object: Stairville
MH-x200 LED Spot Moving Head
Item 288712 / @ 2 m

Measurement file: 288712_2m.CSV
Date of measurement: 31.01.2018
Time of measurement: 17:20:28



R1 = 83,8	Ra = 78,2	Illuminance	19875,8 lx	CIE1931
R2 = 78,4	Re = 72,1	Ee	73,927 W/m ²	x = 0,2811
R3 = 64,8	GAI = 103,4	LER	268,9 lm/W	y = 0,2608
R4 = 86,0				
R5 = 81,5		correlated color temperature (CCT)	12334 K	CIE1976
R6 = 65,4		Duv	-0,0156	u' = 0,2020
R7 = 83,2				v' = 0,4216
R8 = 82,4		Saturation	25,7 %	
R9 = 38,1				CIE1960
R10 = 40,6		Dominant wavelength	462 nm	u = 0,2020
R11 = 84,0		Peak wavelength	449 nm	v = 0,2811
R12 = 42,2				
R13 = 81,1		Flicker frequency	1465,3 Hz	TM30
R14 = 79,3		Percent Flicker	f > 400 Hz %	Rf = 65,4
R15 = 90,2		Flicker index	f > 400 Hz	Rg = 96,9

[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	4,21	440	724,96	500	111,96	560	330,45	620	194,69	680	55,86	740	12,03
385	4,37	445	959,45	505	142,84	565	326,34	625	178,45	685	49,89	745	9,51
390	4,81	450	1025,10	510	179,21	570	320,41	630	163,95	690	44,39	750	9,38
395	4,15	455	869,45	515	216,61	575	312,71	635	149,92	695	39,44	755	7,08
400	5,18	460	601,82	520	250,11	580	304,25	640	135,12	700	34,69	760	6,42
405	8,03	465	385,58	525	279,27	585	294,97	645	121,88	705	30,42	765	5,50
410	15,29	470	248,18	530	300,50	590	282,86	650	109,44	710	26,26	770	5,05
415	33,51	475	164,31	535	314,29	595	269,29	655	97,94	715	23,19	775	4,44
420	71,33	480	114,96	540	323,33	600	255,43	660	87,86	720	20,91	780	7,01
425	149,07	485	89,80	545	328,32	605	239,86	665	78,25	725	18,44		
430	280,13	490	83,49	550	330,35	610	224,79	670	69,86	730	17,24		
435	476,77	495	91,09	555	331,71	615	209,96	675	61,98	735	13,99		

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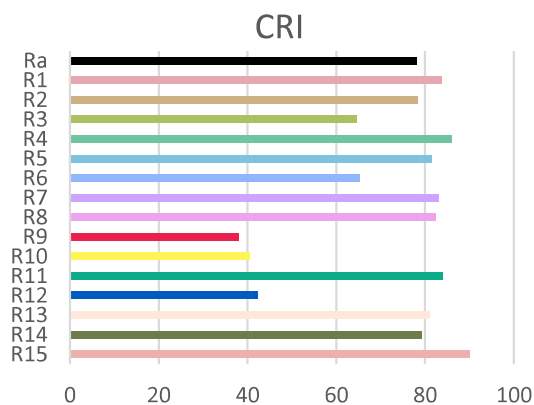
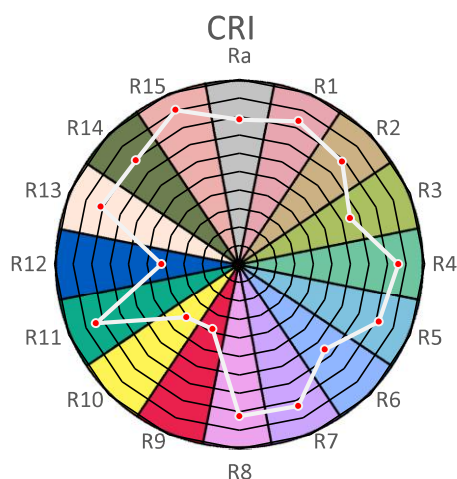
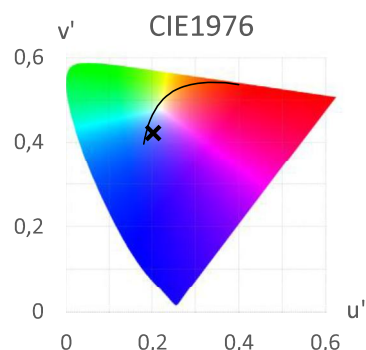
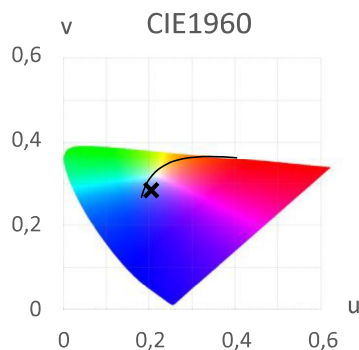
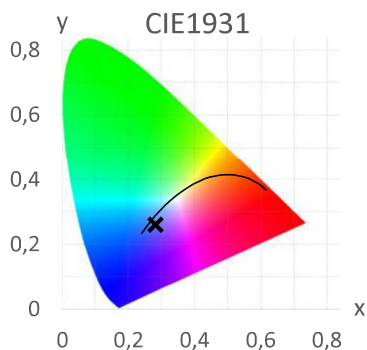
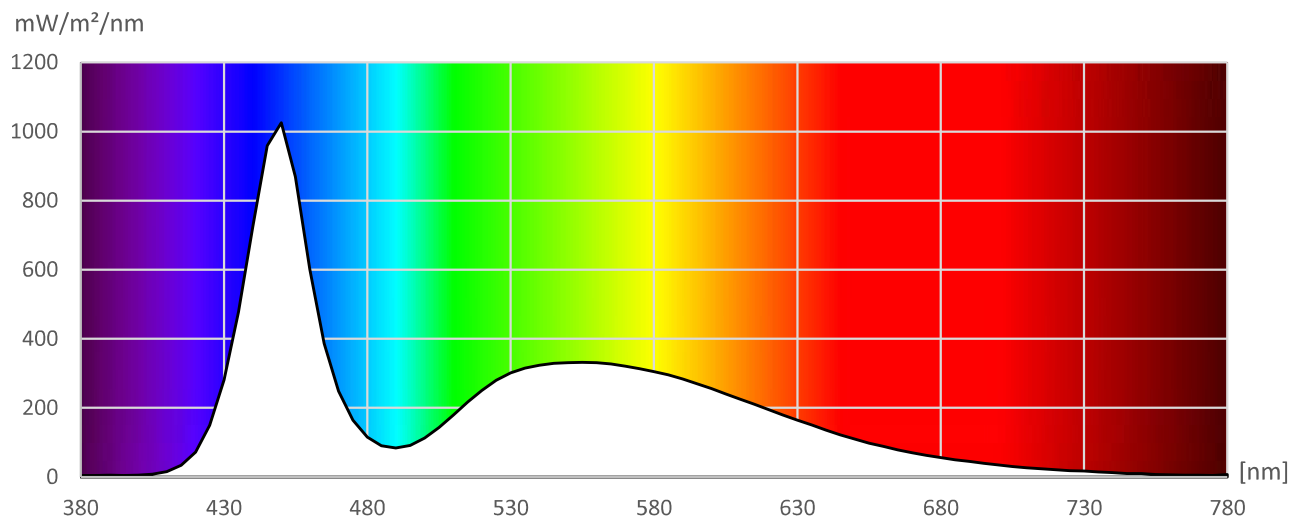
First, last name of inspector

Measurement protocol

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Test object: Stairville
MH-x200 LED Spot Moving Head
Item 288712 / @ 2 m

Measurement file: 288712_2m.CSV
Date of measurement: 31.01.2018
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Burgebrach, 31.01.2018

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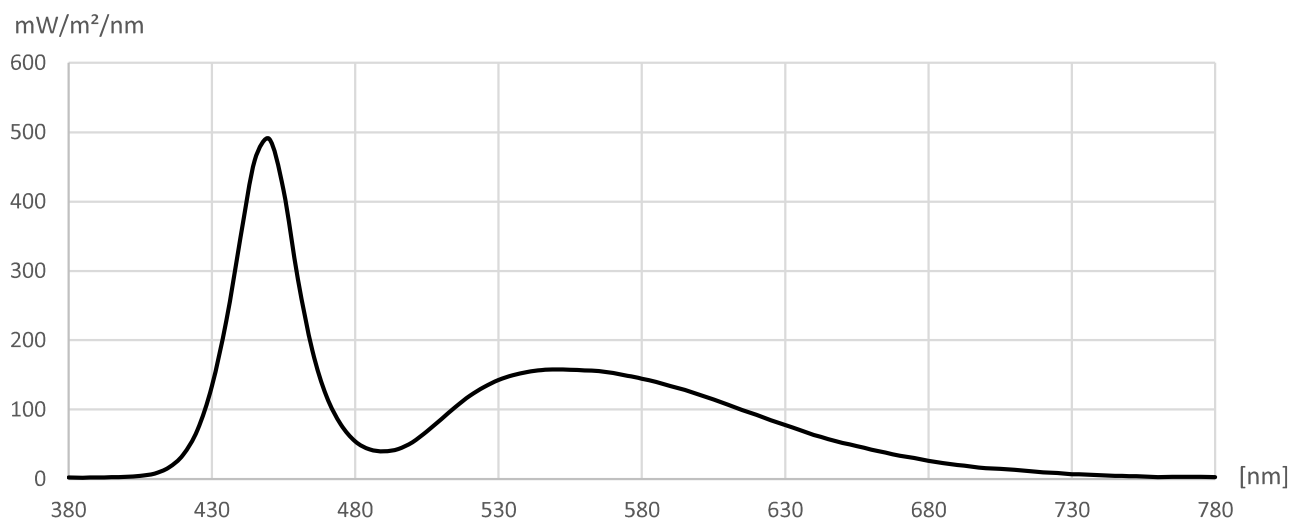
First, last name of inspector

Measurement protocol

th.mann

Test object: Stairville
MH-x200 LED Spot Moving Head
Item 288712 / @ 3 m

Measurement file: 288712_3m.CSV
Date of measurement: 31.01.2018
Time of measurement: 17:20:48



R1 = 83,9	Ra = 78,2	Illuminance	9467,75 lx	CIE1931
R2 = 78,4	Re = 72,1	Ee	35,292 W/m ²	x = 0,2805
R3 = 64,7	GAI = 103,5	LER	268,3 lm/W	y = 0,2601
R4 = 86,1				
R5 = 81,6		correlated color temperature (CCT)	12542 K	CIE1976
R6 = 65,4		Duv	-0,0156	u' = 0,2018
R7 = 83,2				v' = 0,4210
R8 = 82,5		Saturation	26 %	
R9 = 38,3				CIE1960
R10 = 40,5		Dominant wavelength	462 nm	u = 0,2018
R11 = 84,1		Peak wavelength	449 nm	v = 0,2807
R12 = 42,2				
R13 = 81,2		Flicker frequency	% < 2.5 Hz	TM30
R14 = 79,2		Percent Flicker	< 2.5 %	Rf = 65,4
R15 = 90,4		Flicker index	% < 2.5	Rg = 96,9

[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	2,14	440	347,38	500	53,05	560	156,65	620	92,33	680	26,31	740	5,21
385	1,96	445	459,85	505	68,74	565	155,44	625	84,85	685	22,81	745	4,68
390	2,23	450	490,54	510	86,23	570	152,67	630	77,68	690	20,35	750	4,19
395	2,45	455	416,13	515	104,01	575	148,85	635	70,84	695	17,83	755	3,59
400	3,03	460	288,04	520	120,08	580	144,71	640	63,67	700	15,53	760	2,76
405	4,46	465	185,55	525	132,68	585	139,76	645	57,65	705	14,68	765	3,16
410	7,85	470	119,45	530	142,76	590	134,02	650	52,14	710	13,05	770	3,09
415	16,56	475	78,83	535	149,60	595	128,38	655	47,41	715	11,55	775	3,15
420	34,88	480	54,41	540	154,24	600	121,52	660	42,35	720	9,59	780	2,68
425	70,95	485	42,74	545	157,09	605	114,61	665	37,95	725	8,47		
430	133,92	490	39,78	550	157,88	610	107,10	670	33,57	730	6,98		
435	228,06	495	43,25	555	157,55	615	99,48	675	30,30	735	6,45		

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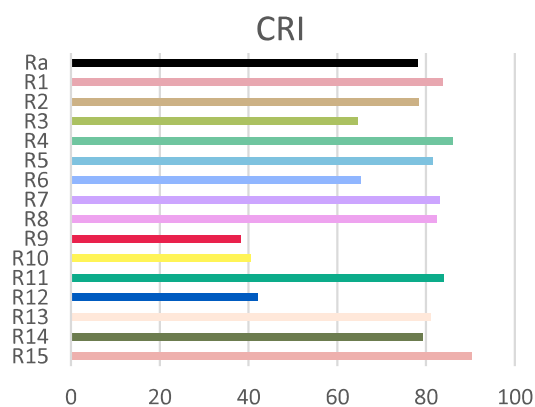
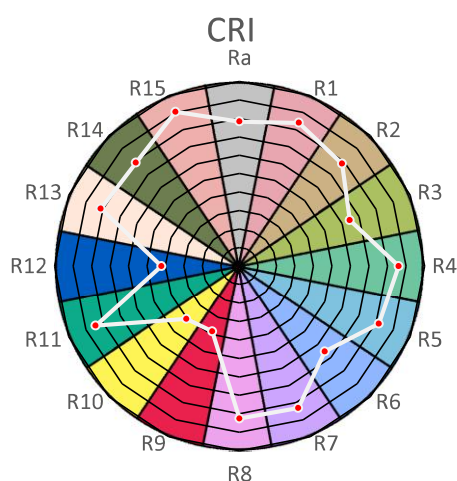
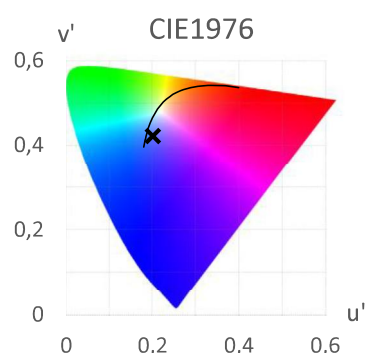
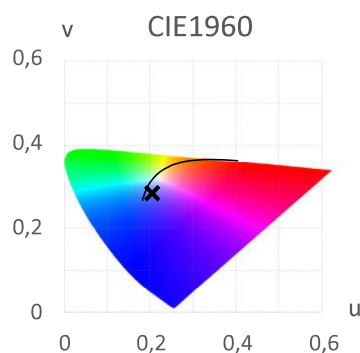
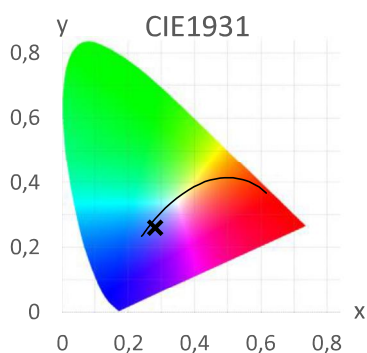
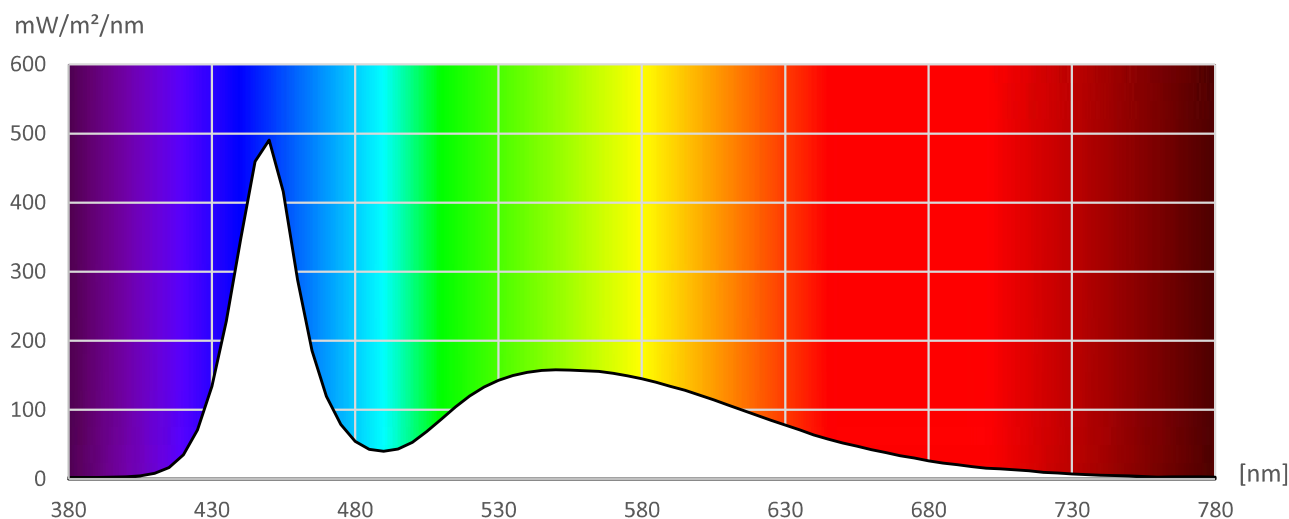
First, last name of inspector

Measurement protocol

th•mann

Test object: Stairville
MH-x200 LED Spot Moving Head
Item 288712 / @ 3 m

Measurement file: 288712_3m.CSV
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