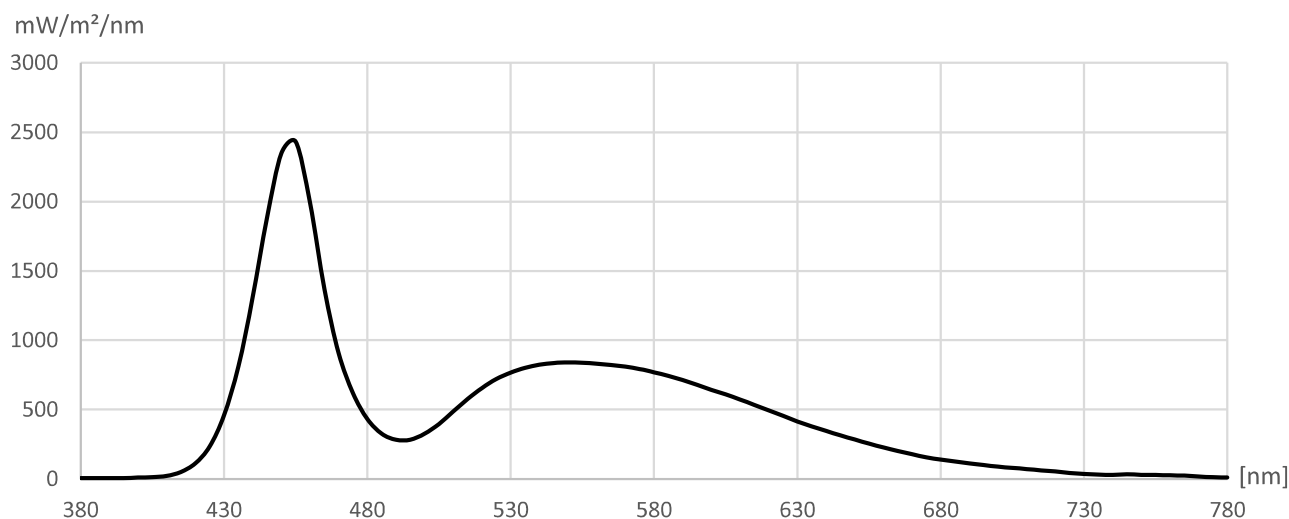


Measurement protocol

th•mann

Test object: Stairville
MH-x60 LED Spot Moving Head
Item 322408 / @ 1 m

Measurement file: 322408_1m.CSV
Date of measurement: 31.01.2018
Time of measurement: 17:44:06



R1 = 84,2	Ra = 81,4	Illuminance	51122,8 lx	CIE1931
R2 = 84,5	Re = 75,0	Ee	186,883 W/m ²	x = 0,2811
R3 = 75,7	GAI = 100,0	LER	273,6 lm/W	y = 0,2697
R4 = 84,6				
R5 = 80,8		correlated color temperature (CCT)	11345 K	CIE1976
R6 = 71,8		Duv	-0,0105	u' = 0,1981
R7 = 88,7				v' = 0,4278
R8 = 81,2		Saturation	24,5 %	
R9 = 34,4				CIE1960
R10 = 55,4		Dominant wavelength	468 nm	u = 0,1981
R11 = 80,1		Peak wavelength	454 nm	v = 0,2852
R12 = 44,5				
R13 = 84,8		Flicker frequency	% < 2.5 Hz	TM30
R14 = 85,8		Percent Flicker	< 2.5 %	Rf = -
R15 = 88,8		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	6,27	440	1305,19	500	325,58	560	830,91	620	494,05	680	139,76	740	28,66
385	7,09	445	1879,43	505	396,71	565	821,07	625	456,00	685	125,72	745	33,11
390	6,88	450	2347,33	510	487,04	570	810,68	630	414,86	690	112,69	750	29,87
395	6,69	455	2431,04	515	576,99	575	792,89	635	380,35	695	101,00	755	28,62
400	10,56	460	1989,60	520	656,83	580	769,63	640	346,76	700	88,53	760	26,00
405	13,25	465	1368,62	525	720,75	585	743,15	645	314,29	705	79,86	765	24,35
410	21,69	470	908,85	530	766,68	590	712,85	650	283,92	710	71,62	770	18,03
415	51,20	475	619,75	535	801,77	595	678,93	655	254,05	715	62,65	775	12,35
420	112,69	480	433,03	540	823,90	600	642,96	660	227,16	720	54,82	780	11,28
425	234,08	485	325,86	545	836,75	605	609,16	665	202,39	725	43,35		
430	459,17	490	282,21	550	839,42	610	573,74	670	178,50	730	37,27		
435	812,28	495	283,52	555	838,22	615	534,71	675	156,47	735	30,81		

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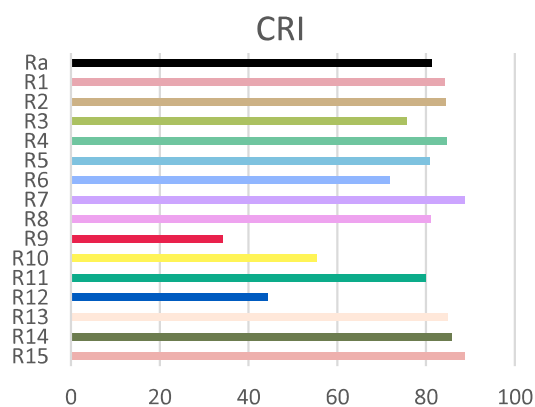
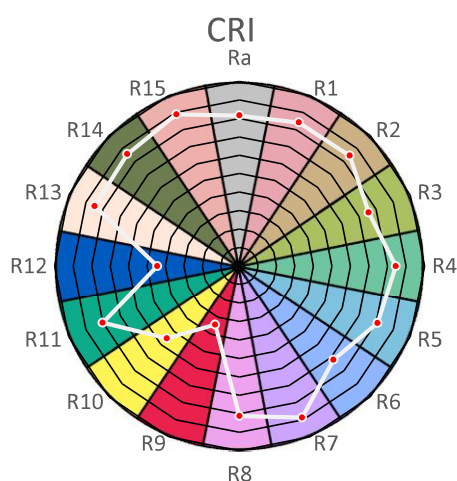
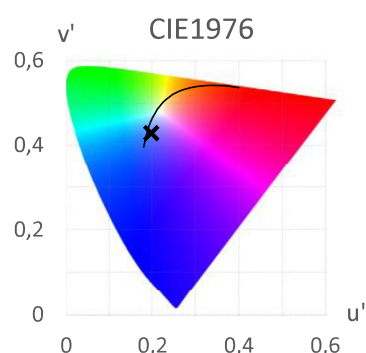
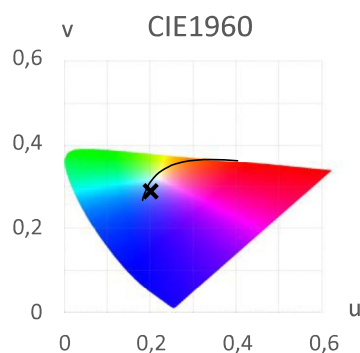
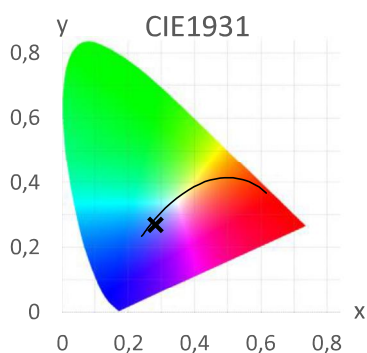
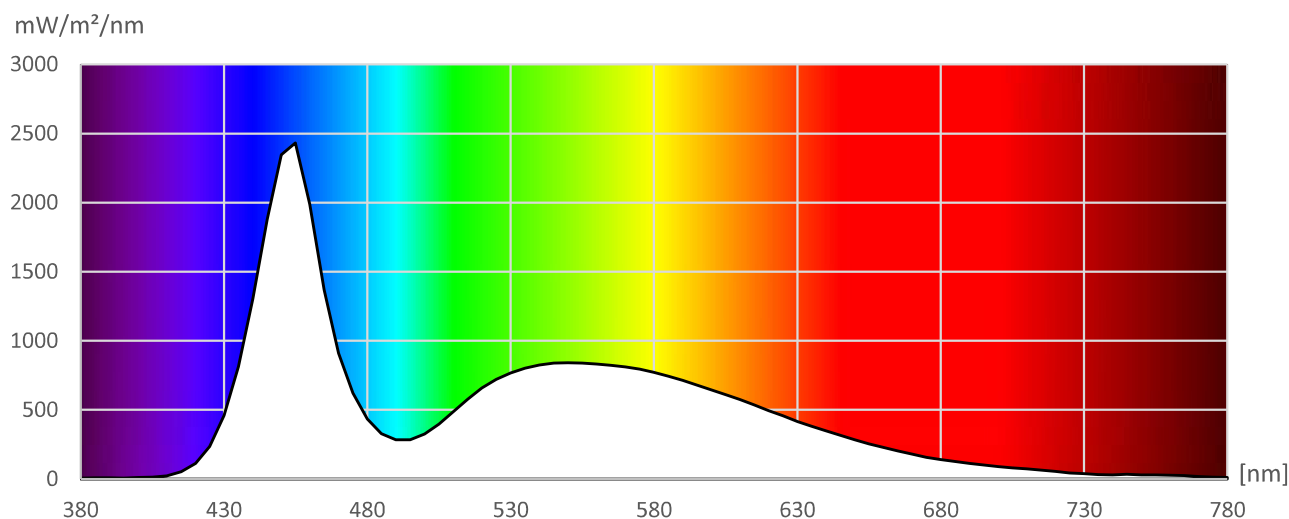
First, last name of inspector

Measurement protocol

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Test object: Stairville
MH-x60 LED Spot Moving Head
Item 322408 / @ 1 m

Measurement file: 322408_1m.CSV
Date of measurement: 31.01.2018
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Burgebrach, 31.01.2018

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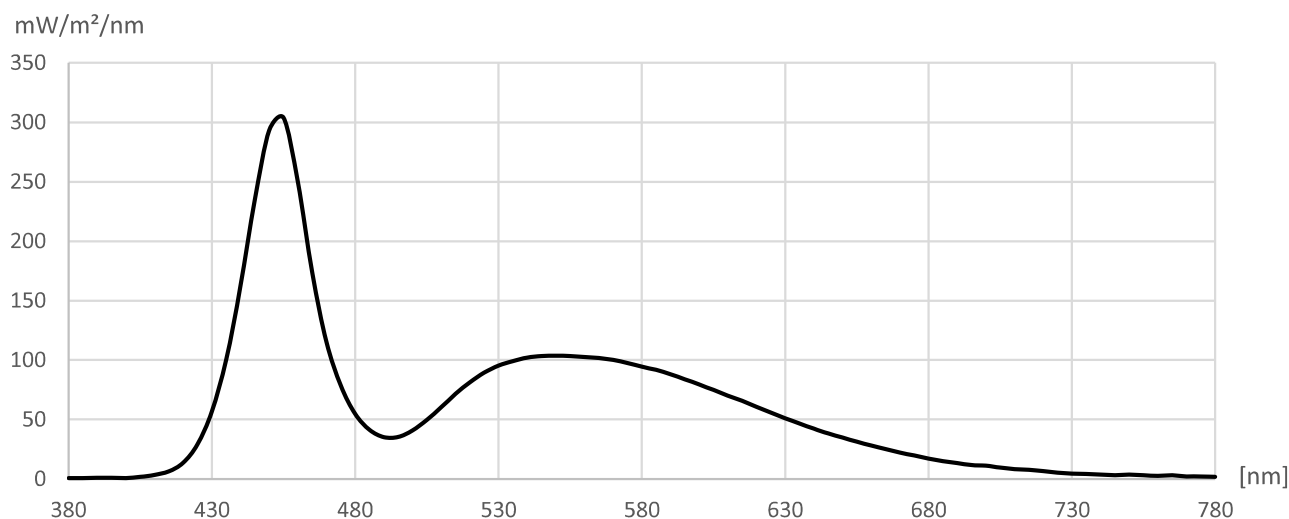
First, last name of inspector

Measurement protocol

th.mann

Test object: Stairville
MH-x60 LED Spot Moving Head
Item 322408 / @ 3 m

Measurement file: 322408_3m.CSV
Date of measurement: 31.01.2018
Time of measurement: 17:44:25



R1 = 84,2	Ra = 81,5
R2 = 84,6	Re = 75,1
R3 = 75,8	GAI = 100,0
R4 = 84,5	
R5 = 80,8	
R6 = 71,9	
R7 = 88,9	
R8 = 81,2	
R9 = 34,6	
R10 = 55,7	
R11 = 80,0	
R12 = 44,4	
R13 = 85,0	
R14 = 85,9	
R15 = 88,9	

Illuminance	6320,87 lx
Ee	23,196 W/m ²
LER	272,5 lm/W
correlated color temperature (CCT)	11711 K
Duv	-0,0104
Saturation	25,1 %
Dominant wavelength	468 nm
Peak wavelength	454 nm
Flicker frequency	% < 2.5 Hz
Percent Flicker	< 2.5 %
Flicker index	% < 2.5

CIE1931
x = 0,2797
y = 0,2682
CIE1976
u' = 0,1977
v' = 0,4266
CIE1960
u = 0,1977
v = 0,2844
TM30
Rf = -
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	0,82	440	161,93	500	40,72	560	102,54	620	60,65	680	17,22	740	3,78
385	0,85	445	234,46	505	49,61	565	101,78	625	55,90	685	15,08	745	3,07
390	0,91	450	293,00	510	60,29	570	100,12	630	51,12	690	13,43	750	3,64
395	0,91	455	303,76	515	71,55	575	97,51	635	46,68	695	11,65	755	3,07
400	0,87	460	249,67	520	81,42	580	94,50	640	42,30	700	11,20	760	2,59
405	1,74	465	173,15	525	89,35	585	91,71	645	38,28	705	9,52	765	3,03
410	3,37	470	115,38	530	95,28	590	88,09	650	34,80	710	8,40	770	2,20
415	6,41	475	78,56	535	99,07	595	83,90	655	31,25	715	7,74	775	2,18
420	13,55	480	54,78	540	102,14	600	79,47	660	28,11	720	6,59	780	1,77
425	29,15	485	41,33	545	103,31	605	74,79	665	25,24	725	5,41		
430	56,79	490	35,26	550	103,77	610	70,04	670	22,17	730	4,63		
435	100,72	495	35,35	555	103,37	615	65,72	675	19,72	735	4,11		

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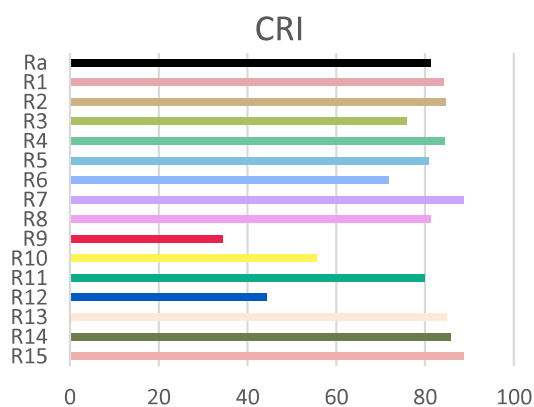
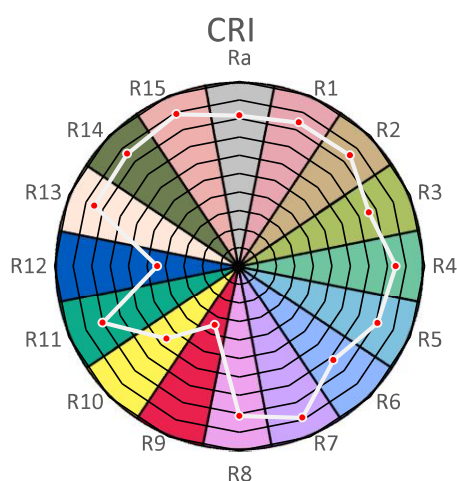
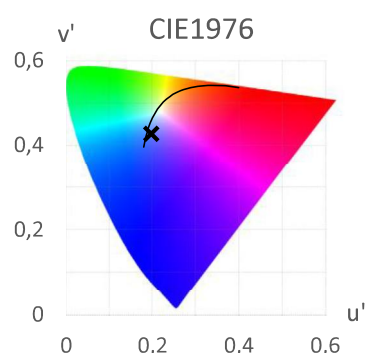
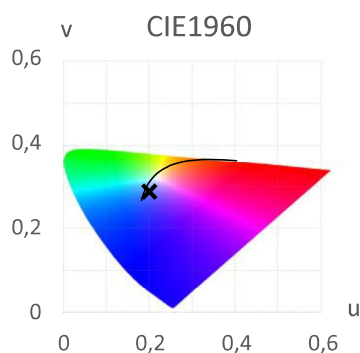
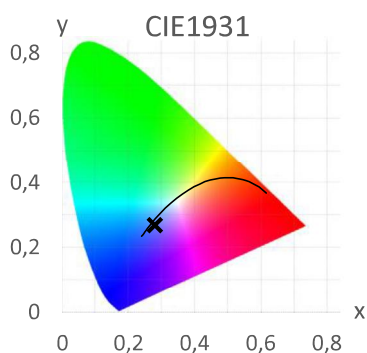
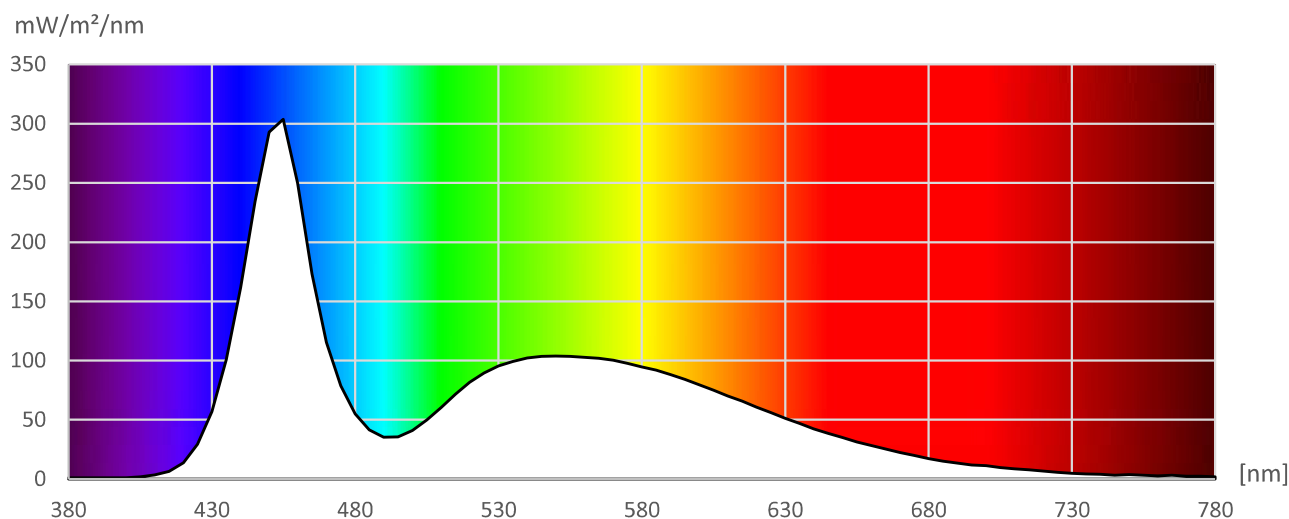
First, last name of inspector

Measurement protocol

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Test object: Stairville
MH-x60 LED Spot Moving Head
Item 322408 / @ 3 m

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