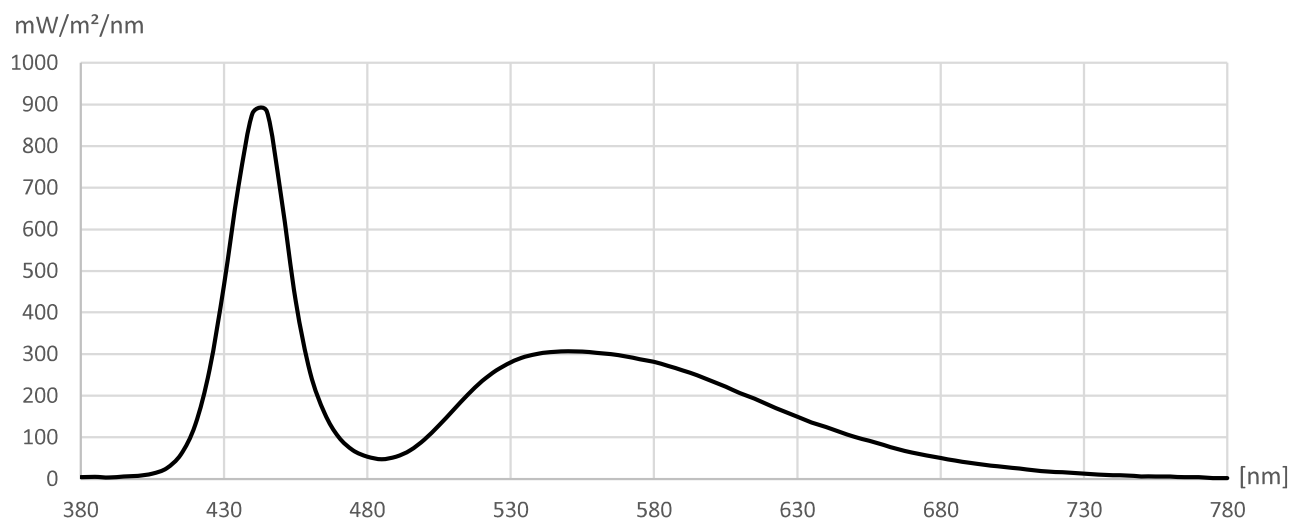


Measurement protocol

th.mann

Test object: Stairville
MH-x30 LED Spot Moving Head
Item 398853 / @ 1 m

Measurement file: 398853_1m.CSV
Date of measurement: 31.01.2018
Time of measurement: 17:34:46



R1 = 80,7	Ra = 71,4
R2 = 70,7	Re = 64,7
R3 = 56,2	GAI = 103,6
R4 = 75,9	
R5 = 80,5	
R6 = 59,9	
R7 = 72,7	
R8 = 74,5	
R9 = 21,7	
R10 = 24,0	
R11 = 82,3	
R12 = 42,8	
R13 = 74,7	
R14 = 74,3	
R15 = 80,1	

Illuminance	18065,89 lx
Ee	65,278 W/m ²
LER	276,8 lm/W
correlated color temperature (CCT)	9590 K
Duv	-0,0155
Saturation	20,9 %
Dominant wavelength	460 nm
Peak wavelength	442 nm
Flicker frequency	% < 2.5 Hz
Percent Flicker	< 2.5 %
Flicker index	% < 2.5

CIE1931
x = 0,2917
y = 0,2731
CIE1976
u' = 0,2049
v' = 0,4317
CIE1960
u = 0,2049
v = 0,2878
TM30
Rf = 58,5
Rg = 99,6

[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	4,55	440	879,06	500	95,24	560	303,39	620	177,67	680	50,40	740	9,34
385	5,23	445	882,48	505	128,78	565	299,72	625	163,26	685	44,10	745	8,62
390	3,30	450	676,58	510	165,97	570	294,97	630	149,46	690	38,97	750	6,33
395	6,23	455	428,07	515	202,84	575	287,74	635	135,84	695	34,38	755	6,24
400	7,86	460	256,40	520	235,29	580	281,25	640	124,69	700	30,29	760	5,59
405	12,56	465	158,82	525	260,47	585	271,85	645	112,43	705	27,02	765	4,49
410	26,21	470	100,98	530	280,31	590	260,94	650	101,08	710	22,90	770	4,22
415	59,16	475	69,26	535	293,71	595	249,30	655	91,76	715	19,26	775	2,24
420	130,40	480	53,78	540	301,64	600	235,35	660	81,66	720	17,07	780	2,21
425	263,66	485	47,42	545	305,67	605	221,60	665	71,87	725	15,29		
430	466,93	490	53,75	550	306,75	610	206,61	670	63,46	730	13,04		
435	702,87	495	69,00	555	305,86	615	193,35	675	56,57	735	10,67		

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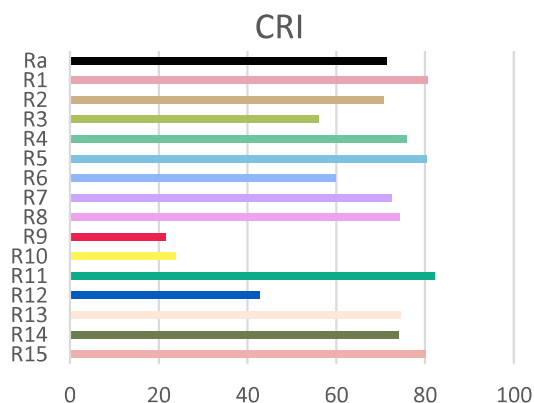
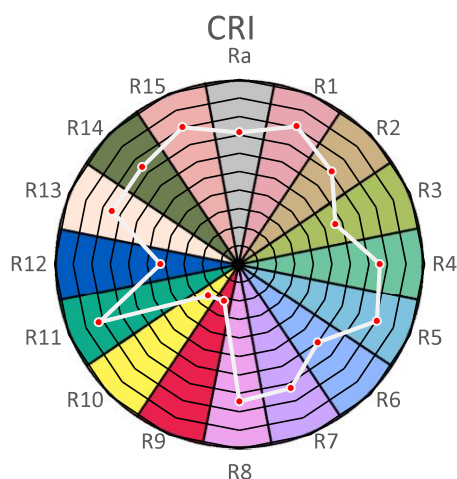
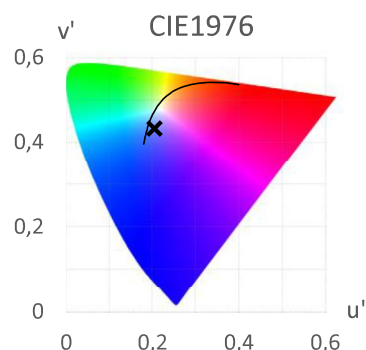
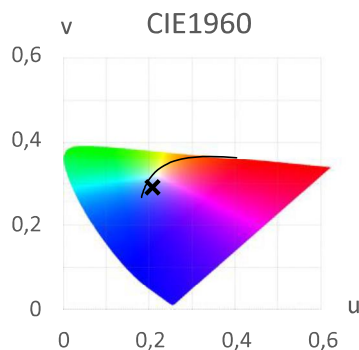
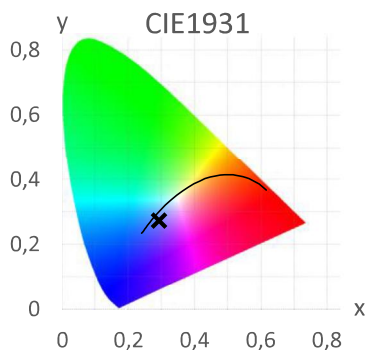
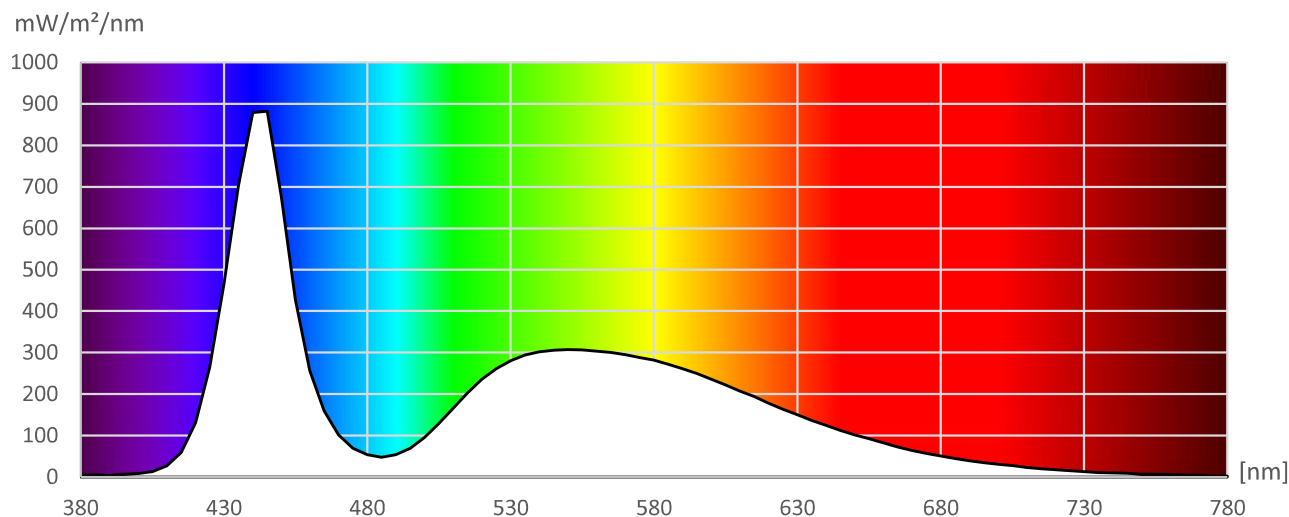
First, last name of inspector

Measurement protocol

th•mann

Test object: Stairville
MH-x30 LED Spot Moving Head
Item 398853 / @ 1 m

Measurement file: 398853_1m.CSV
Date of measurement: 31.01.2018
Time of measurement: 17:34:46



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Burgebrach, 31.01.2018

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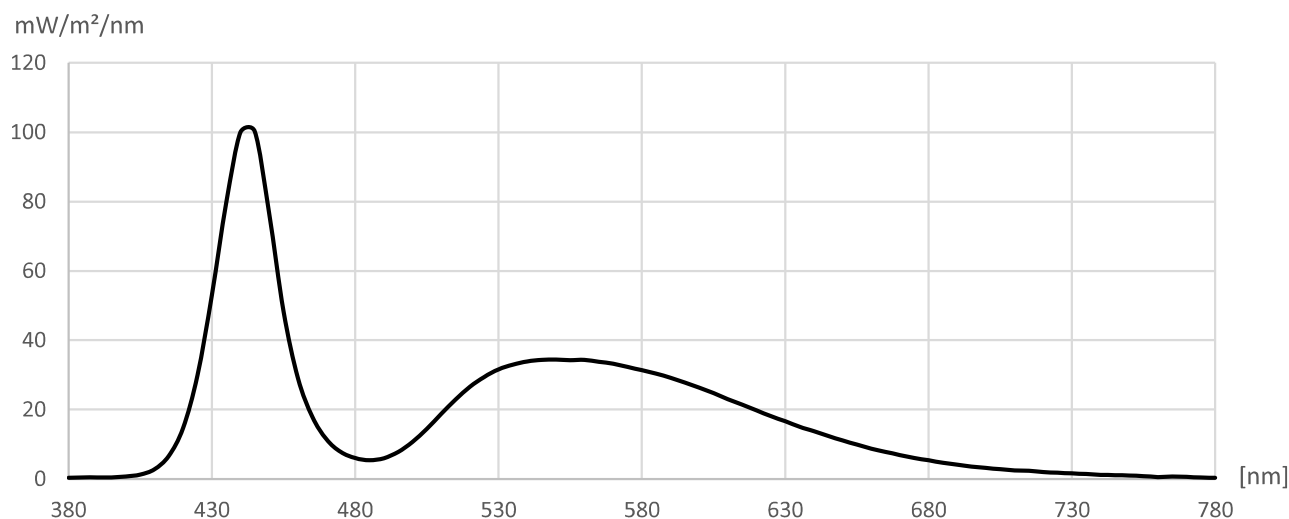
First, last name of inspector

Measurement protocol

th•mann

Test object: Stairville
MH-x30 LED Spot Moving Head
Item 398853 / @ 3 m

Measurement file: 398853_3m.CSV
Date of measurement: 31.01.2018
Time of measurement: 17:35:18



R1 = 80,4	Ra = 71,1
R2 = 70,4	Re = 64,3
R3 = 55,8	GAI = 103,4
R4 = 75,8	
R5 = 80,3	
R6 = 59,6	
R7 = 72,6	
R8 = 74,2	
R9 = 20,2	
R10 = 23,1	
R11 = 82,2	
R12 = 42,4	
R13 = 74,4	
R14 = 74,1	
R15 = 79,8	

Illuminance	2028,43 lx
Ee	7,341 W/m ²
LER	276,3 lm/W
correlated color temperature (CCT)	9827 K
Duv	-0,0153
Saturation	21,5 %
Dominant wavelength	461 nm
Peak wavelength	442 nm
Flicker frequency	% < 2.5 Hz
Percent Flicker	< 2.5 %
Flicker index	% < 2.5

CIE1931
x = 0,2904
y = 0,2720
CIE1976
u' = 0,2044
v' = 0,4307
CIE1960
u = 0,2044
v = 0,2872
TM30
Rf = 58,3
Rg = 99,4

[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	0,34	440	99,94	500	10,64	560	34,36	620	19,77	680	5,38	740	1,22
385	0,48	445	100,19	505	14,49	565	33,84	625	18,11	685	4,68	745	1,10
390	0,45	450	76,66	510	18,73	570	33,25	630	16,64	690	4,10	750	1,03
395	0,48	455	48,38	515	22,93	575	32,30	635	15,04	695	3,59	755	0,85
400	0,76	460	29,06	520	26,61	580	31,36	640	13,81	700	3,19	760	0,55
405	1,28	465	17,96	525	29,41	585	30,42	645	12,42	705	2,83	765	0,69
410	2,81	470	11,46	530	31,62	590	29,16	650	11,10	710	2,46	770	0,59
415	6,64	475	7,77	535	32,98	595	27,80	655	9,91	715	2,39	775	0,42
420	14,75	480	6,02	540	33,92	600	26,29	660	8,76	720	2,01	780	0,34
425	29,90	485	5,41	545	34,33	605	24,75	665	7,81	725	1,78		
430	53,02	490	6,01	550	34,43	610	23,04	670	6,92	730	1,61		
435	79,76	495	7,80	555	34,27	615	21,43	675	6,05	735	1,41		

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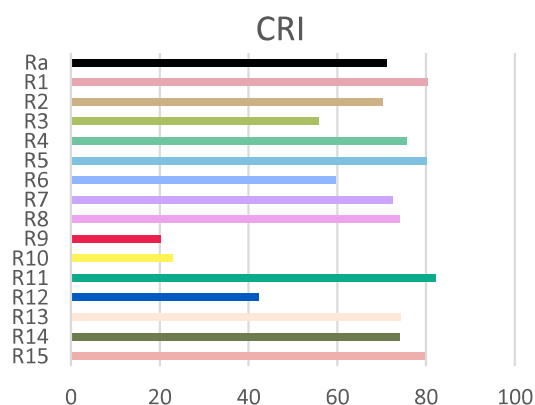
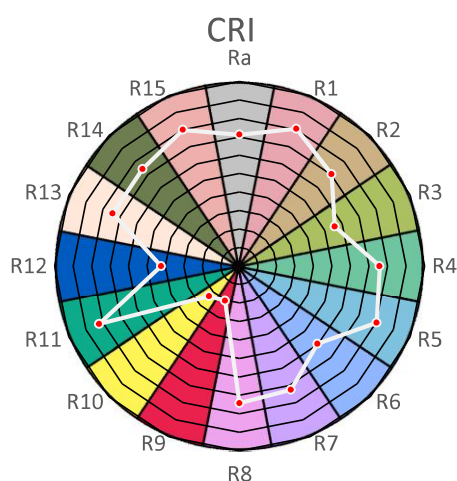
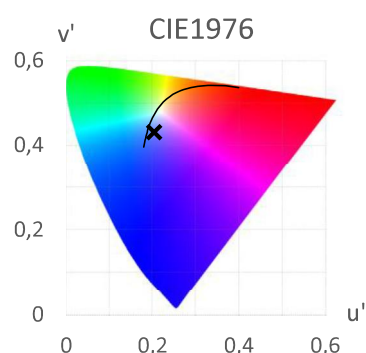
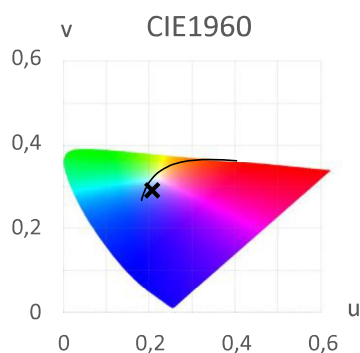
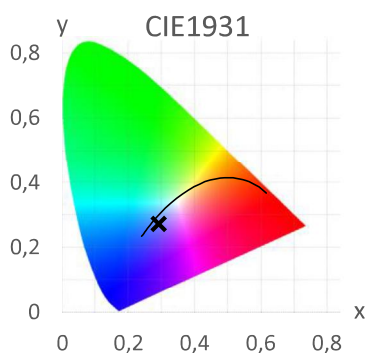
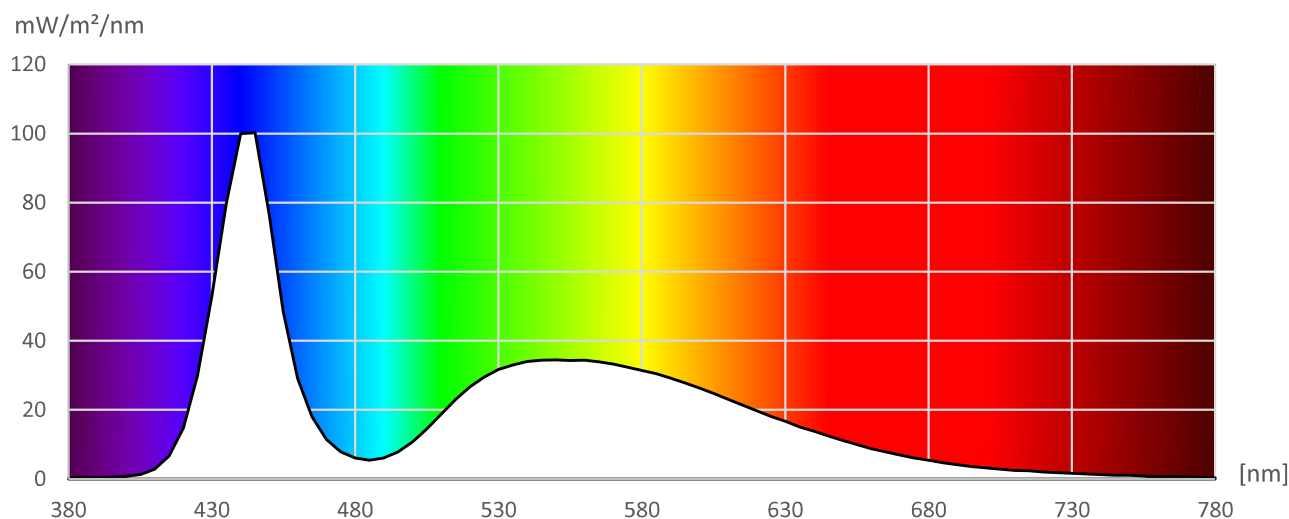
First, last name of inspector

Measurement protocol

th•mann

Test object: Stairville
MH-x30 LED Spot Moving Head
Item 398853 / @ 3 m

Measurement file: 398853_3m.CSV
Date of measurement: 31.01.2018
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