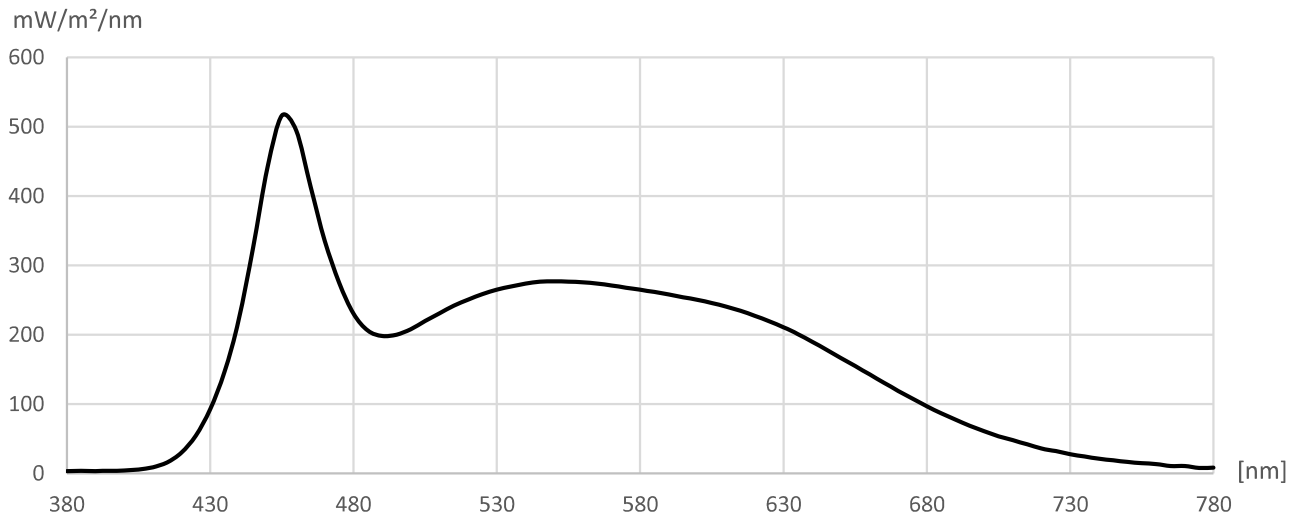


# Measurement protocol



Test object: moLUX  
 xpo575 LED 6300K  
 Item 430656 / @ 3 m / lens: standard

Measurement file: 430656\_3m\_standard.c  
 Date of measurement: 26.01.2018  
 Time of measurement: 12:45:19



R1 = 92,6	Ra = 91,7	Illuminance	18702,92 lx	CIE1931
R2 = 97,2	Re = 88,7	Ee	66,026 W/m <sup>2</sup>	x = 0,3161
R3 = 96,0	GAI = 93,6	LER	283,3 lm/W	y = 0,3260
R4 = 88,8				
R5 = 90,5		correlated color temperature (CCT)	6340 K	CIE1976
R6 = 91,3		Duv	0	u' = 0,2013
R7 = 92,2				v' = 0,4672
R8 = 85,4		Saturation	6,5 %	
R9 = 62,8				CIE1960
R10 = 90,5		Dominant wavelength	483 nm	u = 0,2013
R11 = 88,5		Peak wavelength	456 nm	v = 0,3115
R12 = 69,1				
R13 = 95,2		Flicker frequency	482,8 Hz	TM30
R14 = 98,3		Percent Flicker	f > 400 Hz %	Rf = -
R15 = 91,6		Flicker index	f > 400 Hz	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	3,20	440	221,91	500	208,10	560	275,63	620	227,44	680	96,94	740	21,50
385	3,64	445	325,12	505	219,64	565	273,90	625	219,23	685	86,60	745	18,82
390	3,57	450	441,07	510	231,00	570	271,17	630	210,70	690	77,67	750	16,54
395	3,71	455	515,86	515	241,94	575	267,95	635	200,99	695	68,67	755	14,97
400	4,27	460	494,26	520	250,90	580	264,89	640	190,07	700	61,09	760	13,59
405	5,83	465	413,40	525	258,48	585	261,65	645	178,41	705	53,70	765	10,82
410	9,03	470	335,69	530	265,21	590	258,01	650	166,52	710	47,83	770	10,62
415	15,98	475	275,37	535	269,79	595	254,10	655	154,75	715	42,06	775	8,05
420	30,11	480	230,51	540	273,72	600	250,34	660	142,78	720	35,95	780	8,41
425	54,68	485	205,83	545	276,49	605	245,87	665	131,02	725	32,13		
430	92,77	490	198,05	550	276,90	610	240,40	670	119,12	730	27,86		
435	146,95	495	200,14	555	276,66	615	234,51	675	107,85	735	24,37		

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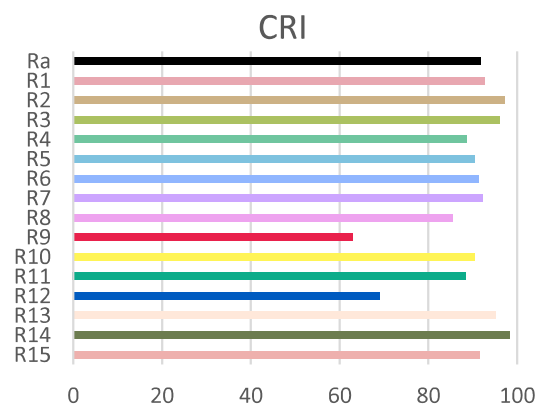
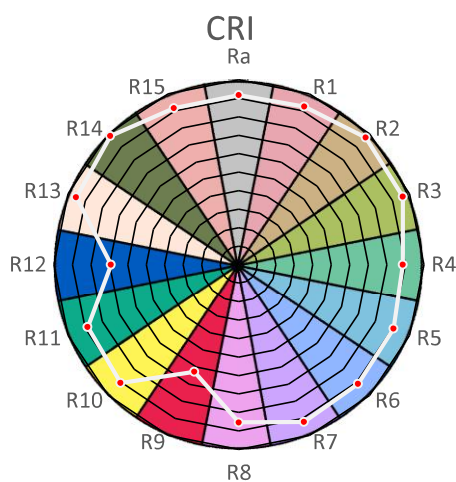
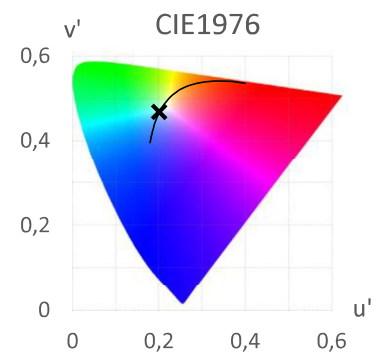
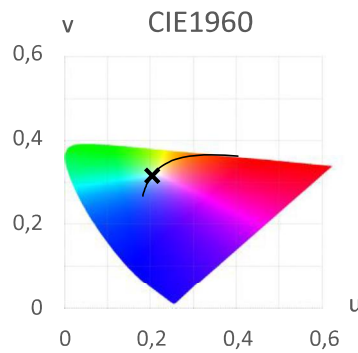
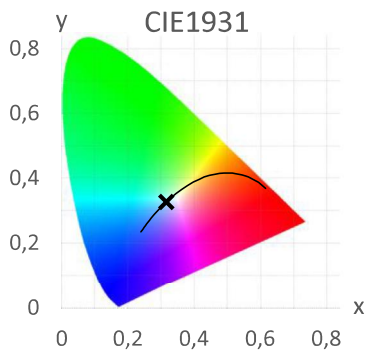
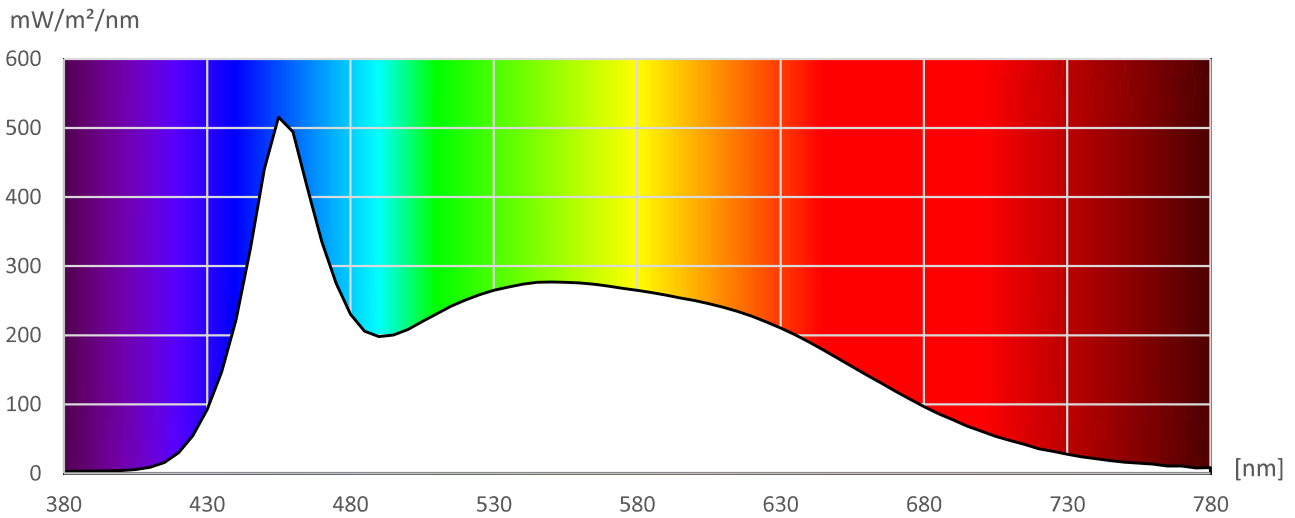
First, last name of inspector

# Measurement protocol

th•mann

Test object: moLUX  
 xpo575 LED 6300K  
 Item 430656 / @ 3 m / lens: standard

Measurement file: 430656\_3m\_stand  
 Date of measurement: 26.01.2018  
 Time of measurement: 12:45:19



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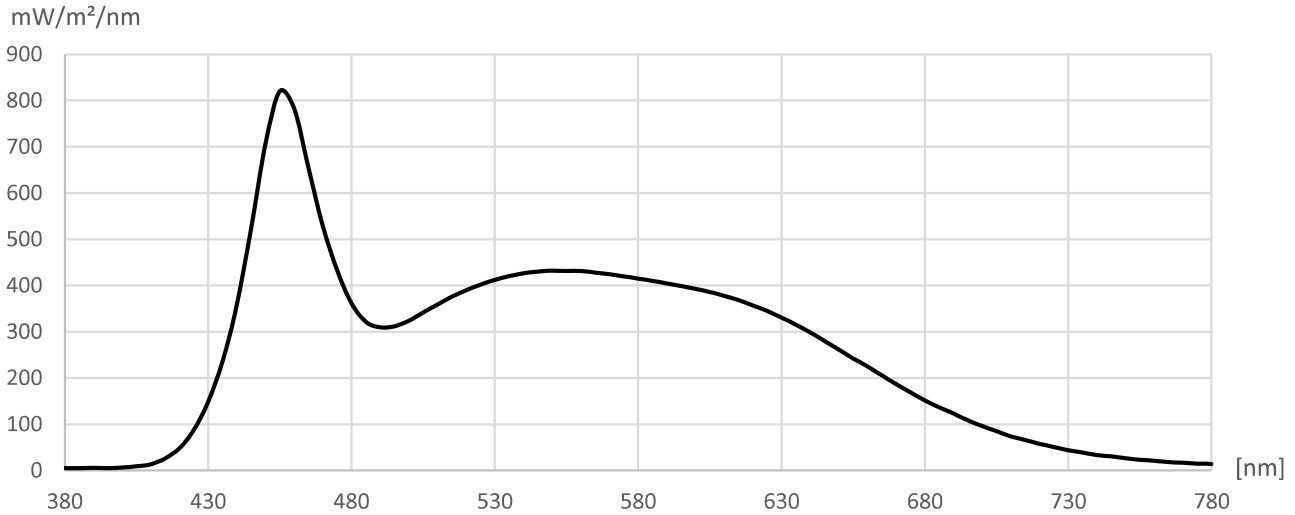
First, last name of inspector

# Measurement protocol



Test object: moLUX  
 xpo575 LED 6300K  
 Item 430656 / @ 3 m / lens: 15degree

Measurement file: 430656\_3m\_15degree.  
 Date of measurement: 26.01.2018  
 Time of measurement: 12:48:01



R1 = 93,1	Ra = 92,0	Illuminance	29233,58 lx	CIE1931
R2 = 97,3	Re = 89,1	Ee	103,773 W/m <sup>2</sup>	x = 0,3154
R3 = 95,9	GAI = 94,6	LER	281,7 lm/W	y = 0,3235
R4 = 89,3				
R5 = 90,9		correlated color temperature (CCT)	6393 K	CIE1976
R6 = 91,1		Duv	-0,001	u' = 0,2018
R7 = 92,3				v' = 0,4658
R8 = 86,2		Saturation	6,9 %	
R9 = 65,2				CIE1960
R10 = 90,9		Dominant wavelength	481 nm	u = 0,2018
R11 = 89,0		Peak wavelength	456 nm	v = 0,3105
R12 = 69,3				
R13 = 95,7		Flicker frequency	496,4 Hz	TM30
R14 = 98,2		Percent Flicker	f > 400 Hz %	Rf = -
R15 = 92,5		Flicker index	f > 400 Hz	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	4,96	440	357,47	500	323,51	560	431,51	620	357,04	680	151,58	740	33,37
385	5,13	445	522,60	505	341,61	565	428,09	625	344,82	685	136,57	745	30,28
390	5,94	450	706,32	510	358,70	570	424,25	630	330,70	690	123,03	750	26,49
395	4,87	455	820,38	515	375,82	575	419,52	635	315,34	695	108,41	755	23,15
400	6,71	460	782,69	520	389,73	580	415,02	640	299,03	700	96,03	760	21,12
405	8,96	465	653,24	525	401,72	585	410,29	645	280,26	705	84,92	765	18,14
410	13,61	470	529,55	530	412,32	590	404,44	650	261,60	710	73,49	770	16,43
415	26,02	475	433,27	535	420,14	595	398,83	655	242,38	715	65,92	775	14,88
420	48,14	480	361,86	540	426,31	600	392,49	660	224,86	720	57,76	780	14,26
425	87,65	485	321,54	545	430,25	605	385,97	665	205,78	725	50,78		
430	148,47	490	309,46	550	432,13	610	377,67	670	186,95	730	43,89		
435	236,79	495	312,14	555	431,31	615	368,24	675	168,79	735	38,87		

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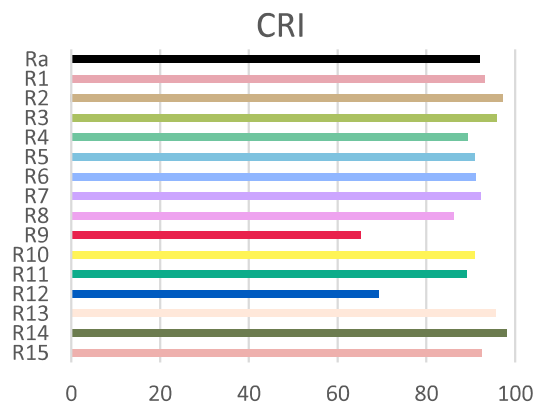
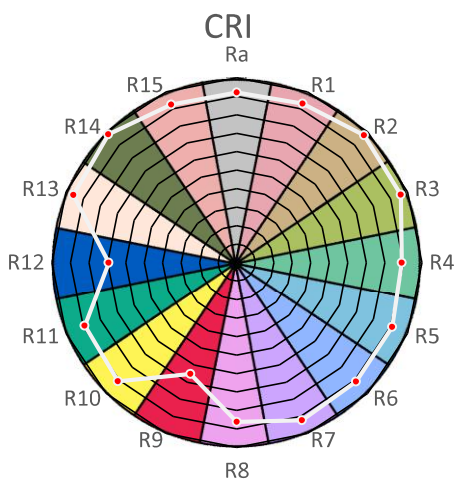
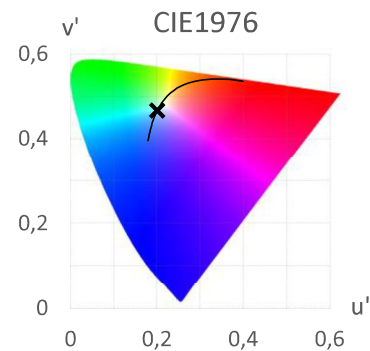
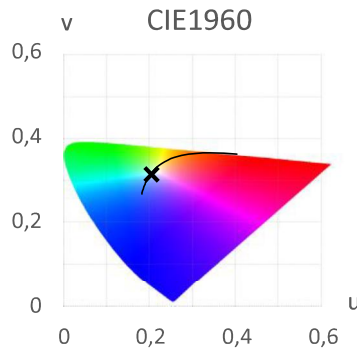
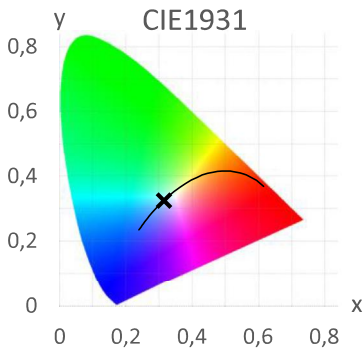
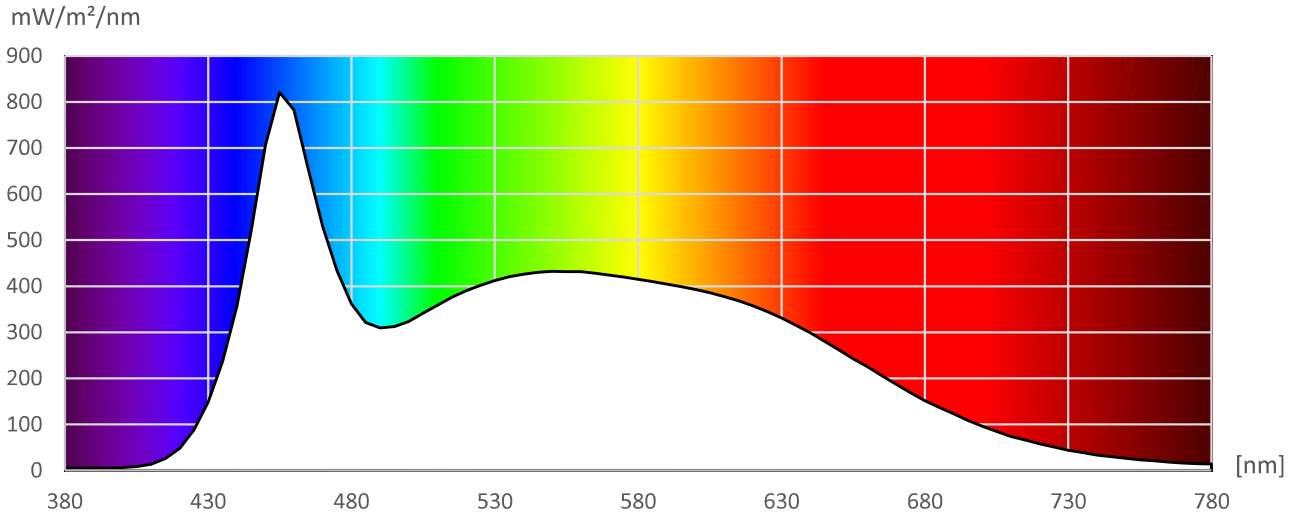
First, last name of inspector

# Measurement protocol

th•mann

Test object: moLUX  
 xpo575 LED 6300K  
 Item 430656 / @ 3 m / lens: standard

Measurement file: 430656\_3m\_15deg  
 Date of measurement: 26.01.2018  
 Time of measurement: 12:48:01



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