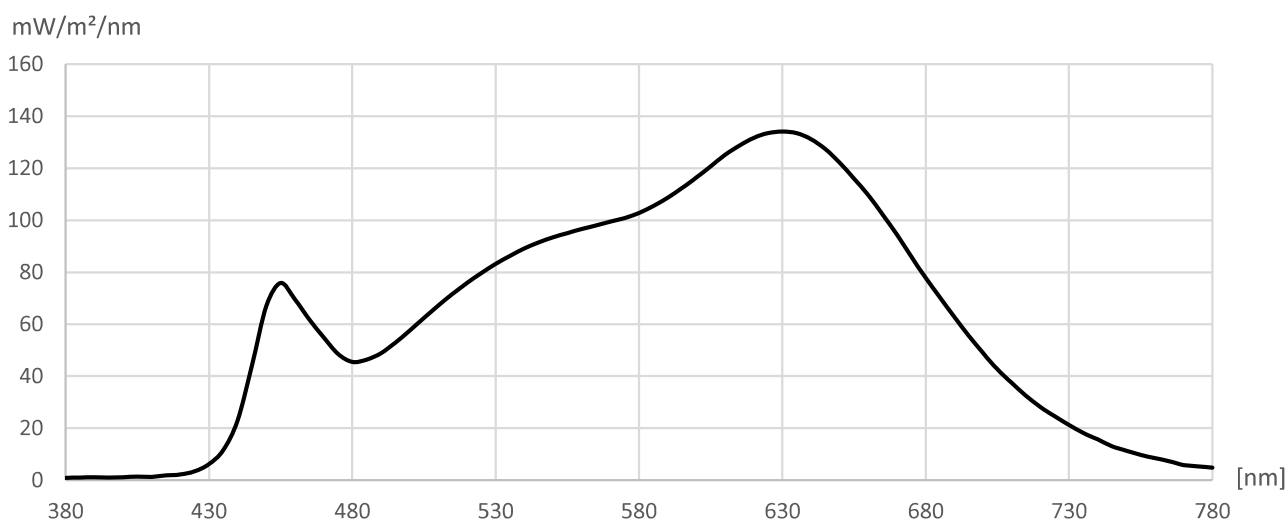


Measurement protocol

th.mann

Test object: Varytec
LED Profile Mini IP65 3200K
435629 + 435627 / @ 1 m

Measurement file: 435629_435627_1m.CS
Date of measurement: 29.04.2019
Time of measurement: 16:56:57



R1 = 98,0	Ra = 96,8	Illuminance	6969,3 lx	CIE1931
R2 = 99,1	Re = 94,9	Ee	24,819 W/m ²	x = 0,4202
R3 = 97,8	GAI = 62,1	LER	280,8 lm/W	y = 0,4001
R4 = 96,4				
R5 = 96,4		correlated color temperature (CCT)	3264 K	CIE1976
R6 = 97,4		Duv	0,0011	u' = 0,2414
R7 = 96,1				v' = 0,5173
R8 = 93,0		Saturation	46 %	
R9 = 84,4				CIE1960
R10 = 95,7		Dominant wavelength	581 nm	u = 0,2414
R11 = 97,4		Peak wavelength	630 nm	v = 0,3449
R12 = 79,3				
R13 = 98,6		Flicker frequency	100 Hz	TM30
R14 = 97,9		Percent Flicker	49,1 %	Rf = 91,2
R15 = 95,8		Flicker index	0,157	Rg = 98,5

[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	0,92	440	23,06	500	57,49	560	96,67	620	131,68	680	77,94	740	15,70
385	1,06	445	44,23	505	62,45	565	97,98	625	133,46	685	70,31	745	13,07
390	1,15	450	67,09	510	67,21	570	99,42	630	134,06	690	62,84	750	11,39
395	1,01	455	75,88	515	71,62	575	100,83	635	133,52	695	55,63	755	9,70
400	1,20	460	69,59	520	75,81	580	102,81	640	131,19	700	48,91	760	8,52
405	1,41	465	61,82	525	79,66	585	105,45	645	127,33	705	42,74	765	7,32
410	1,32	470	54,95	530	83,25	590	108,67	650	122,16	710	37,46	770	5,86
415	1,87	475	48,62	535	86,25	595	112,35	655	116,08	715	32,51	775	5,36
420	2,19	480	45,46	540	89,08	600	116,34	660	109,58	720	28,17	780	4,86
425	3,46	485	46,39	545	91,46	605	120,71	665	102,14	725	24,58		
430	6,18	490	48,79	550	93,40	610	125,09	670	94,35	730	21,34		
435	11,62	495	52,91	555	95,03	615	128,65	675	85,90	735	18,20		

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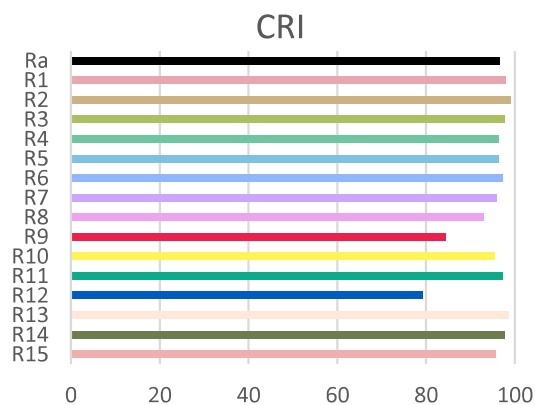
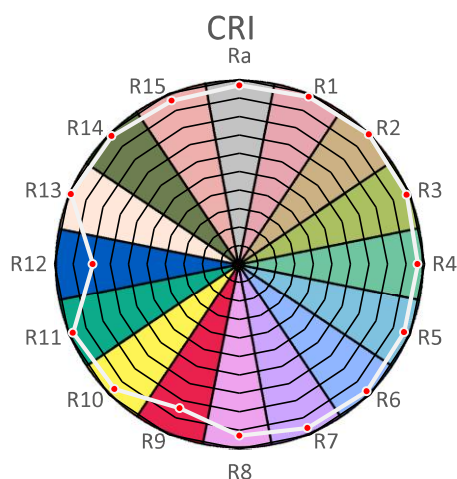
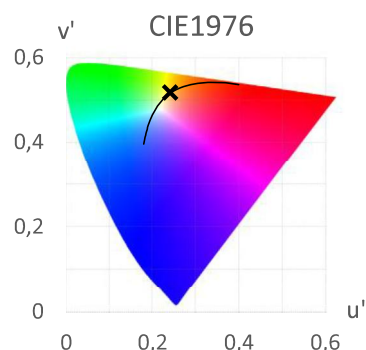
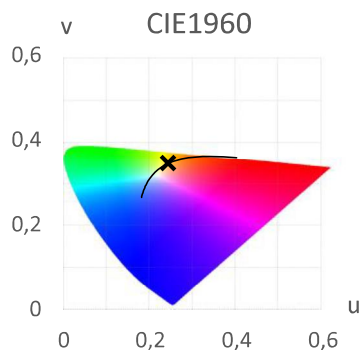
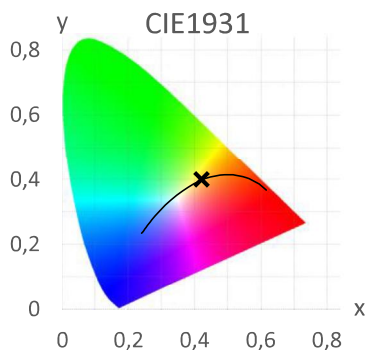
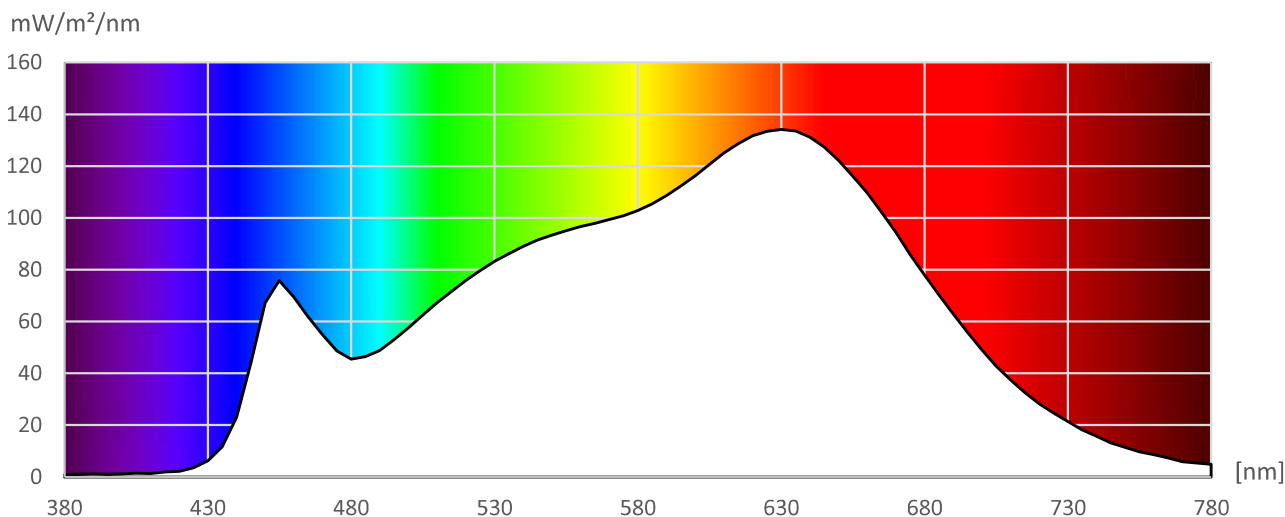
First, last name of inspector

Measurement protocol

th•mann

Test object: Varytec
LED Profile Mini IP65 3200K
435629 + 435627 / @ 1 m

Measurement file: 435629_435627_1
Date of measurement: 29.04.2019
Time of measurement: 16:56:57



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Burgebrach, 29.04.2019

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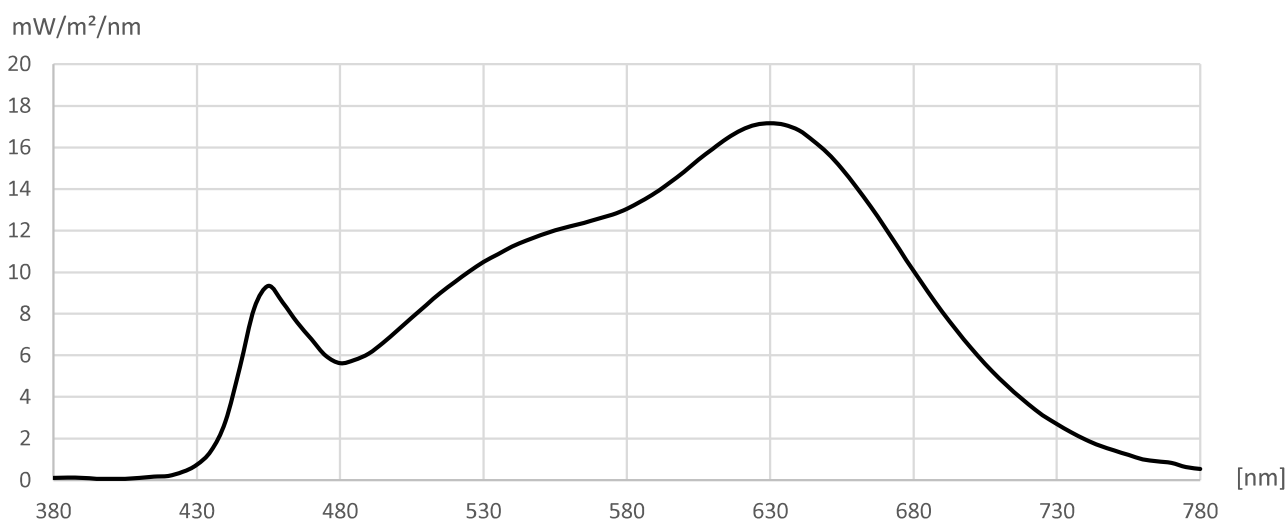
First, last name of inspector

Measurement protocol

th.mann

Test object: Varytec
LED Profile Mini IP65 3200K
435629 + 435627 / @ 3 m

Measurement file: 435629_435627_3m.CS
Date of measurement: 29.04.2019
Time of measurement: 16:57:11



R1 = 98,0	Ra = 96,8
R2 = 99,1	Re = 94,9
R3 = 97,9	GAI = 61,0
R4 = 96,5	
R5 = 96,5	
R6 = 97,5	
R7 = 96,0	
R8 = 92,8	
R9 = 84,1	
R10 = 95,8	
R11 = 97,5	
R12 = 79,7	
R13 = 98,6	
R14 = 97,9	
R15 = 95,7	

Illuminance	882,53 lx
Ee	3,148 W/m²
LER	280,4 lm/W
correlated color temperature (CCT)	3216 K
Duv	0,0011
Saturation	47,3 %
Dominant wavelength	581 nm
Peak wavelength	628 nm
Flicker frequency	100 Hz
Percent Flicker	48,6 %
Flicker index	0,158

CIE1931
x = 0,4231
y = 0,4016
CIE1976
u' = 0,2427
v' = 0,5183
CIE1960
u = 0,2427
v = 0,3455
TM30
Rf = 91,3
Rg = 98,5

[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	0,11	440	2,83	500	7,20	560	12,20	620	16,83	680	10,07	740	1,96
385	0,12	445	5,43	505	7,83	565	12,37	625	17,09	685	9,07	745	1,66
390	0,12	450	8,27	510	8,42	570	12,57	630	17,15	690	8,10	750	1,44
395	0,07	455	9,34	515	9,01	575	12,76	635	17,08	695	7,21	755	1,22
400	0,07	460	8,54	520	9,53	580	13,05	640	16,82	700	6,36	760	1,01
405	0,07	465	7,59	525	10,03	585	13,41	645	16,32	705	5,59	765	0,91
410	0,11	470	6,77	530	10,49	590	13,82	650	15,74	710	4,89	770	0,83
415	0,17	475	5,98	535	10,87	595	14,30	655	14,98	715	4,25	775	0,63
420	0,21	480	5,63	540	11,23	600	14,83	660	14,10	720	3,67	780	0,54
425	0,40	485	5,78	545	11,52	605	15,40	665	13,17	725	3,13		
430	0,74	490	6,08	550	11,78	610	15,94	670	12,16	730	2,71		
435	1,41	495	6,60	555	12,01	615	16,44	675	11,10	735	2,31		

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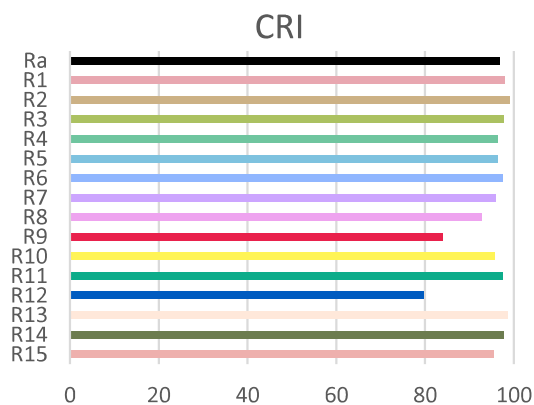
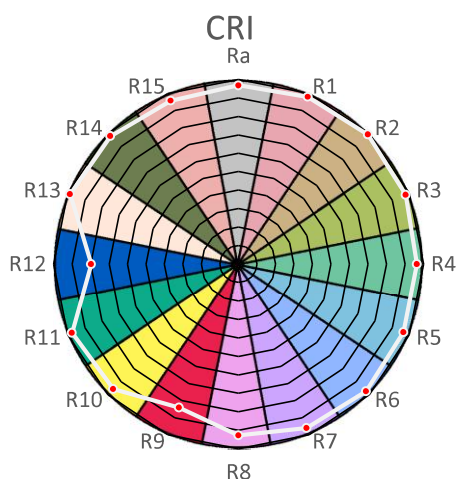
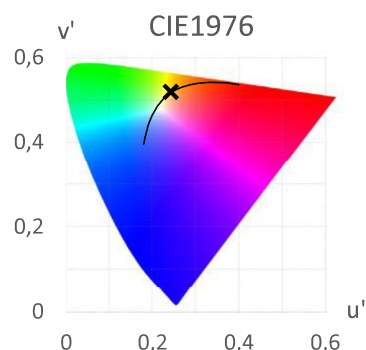
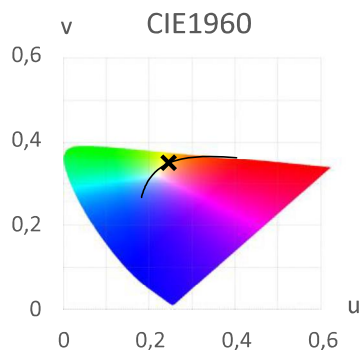
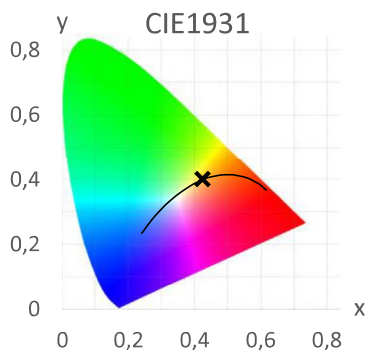
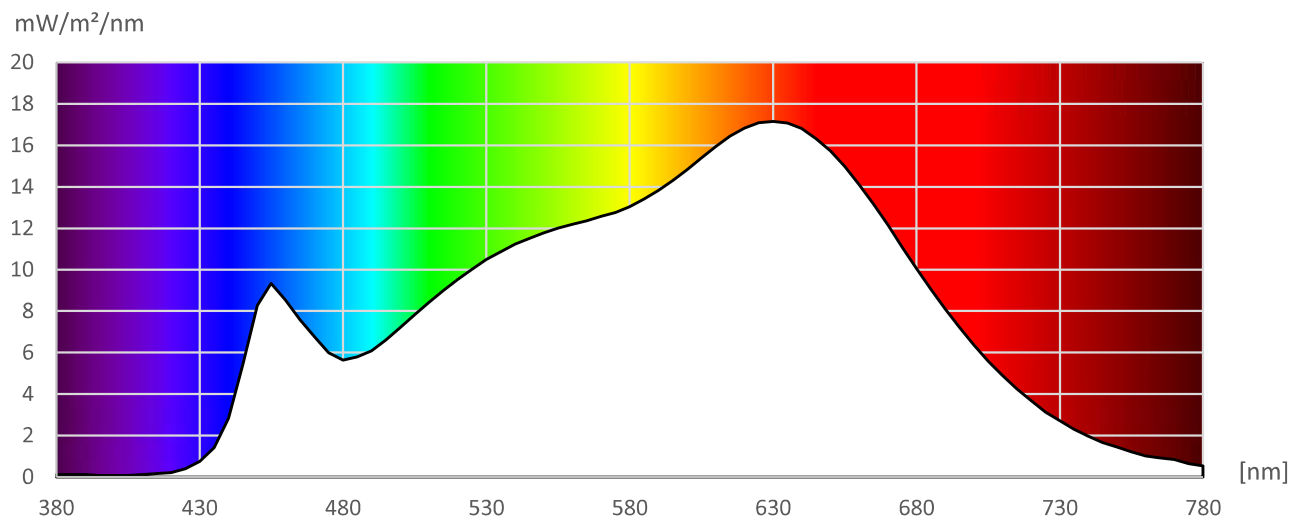
First, last name of inspector

Measurement protocol

th•mann

Test object: Varytec
LED Profile Mini IP65 3200K
435629 + 435627 / @ 3 m

Measurement file: 435629_435627_3
Date of measurement: 29.04.2019
Time of measurement: 16:57:11



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