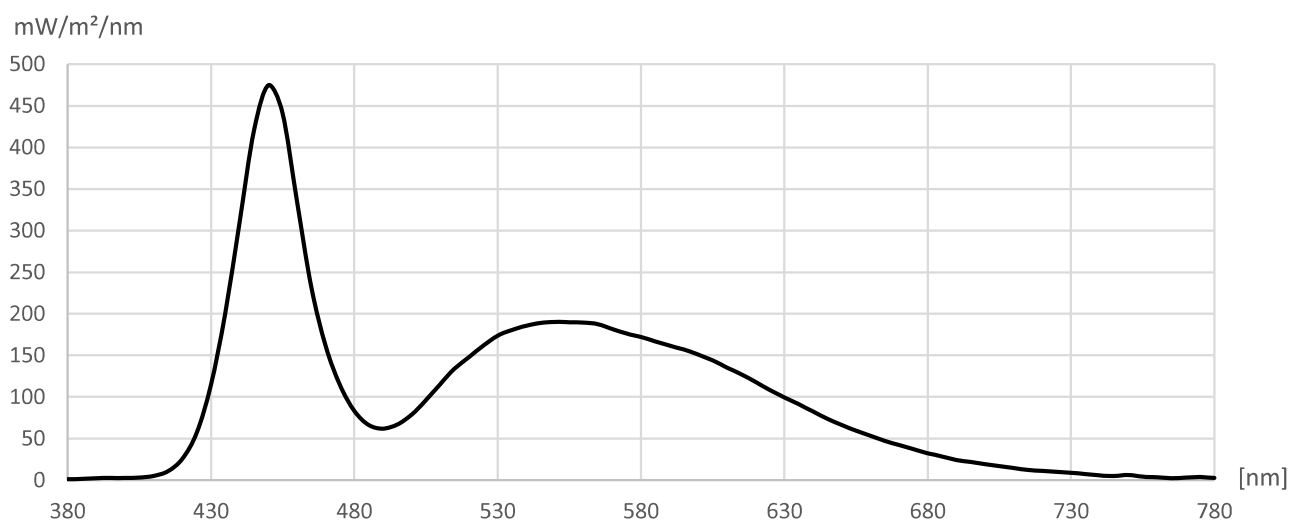


Measurement protocol

th.mann

Test object: Stairville
GP30-W LED Gobo Projector 30W
Item 400313 / @ 1 m

Measurement file: 400313_1m.CSV
Date of measurement: 18.04.2019
Time of measurement: 20:58:55



R1 = 83,7	Ra = 80,9	Illuminance	11559,14 lx	CIE1931
R2 = 83,1	Re = 74,3	Ee	40,594 W/m ²	x = 0,2922
R3 = 75,6	GAI = 99,4	LER	284,7 lm/W	y = 0,2854
R4 = 84,8				
R5 = 82,0		correlated color temperature (CCT)	8906 K	CIE1976
R6 = 72,2		Duv	-0,0088	u' = 0,2001
R7 = 86,9				v' = 0,4398
R8 = 79,2		Saturation	19,1 %	
R9 = 28,5				CIE1960
R10 = 53,4		Dominant wavelength	470 nm	u = 0,2001
R11 = 81,7		Peak wavelength	451 nm	v = 0,2932
R12 = 48,0				
R13 = 83,3		Flicker frequency	% < 2.5 Hz	TM30
R14 = 85,7		Percent Flicker	< 2.5 %	Rf = 72,5
R15 = 86,1		Flicker index	% < 2.5	Rg = 96,5

[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	1,31	440	310,55	500	79,01	560	189,49	620	118,05	680	32,51	740	5,72
385	1,51	445	420,56	505	96,30	565	187,57	625	108,35	685	28,54	745	5,06
390	2,57	450	474,80	510	115,87	570	181,76	630	99,69	690	24,42	750	6,36
395	2,72	455	441,24	515	133,96	575	176,17	635	91,32	695	21,98	755	4,23
400	2,67	460	336,03	520	147,95	580	172,30	640	82,56	700	19,43	760	3,64
405	3,10	465	232,27	525	161,86	585	166,86	645	73,73	705	17,09	765	2,55
410	5,25	470	161,29	530	173,82	590	161,61	650	66,55	710	14,58	770	3,02
415	10,85	475	114,25	535	180,63	595	157,09	655	59,46	715	12,27	775	3,78
420	25,83	480	83,16	540	185,66	600	151,11	660	53,64	720	11,21	780	2,77
425	57,26	485	66,47	545	188,97	605	143,94	665	47,37	725	10,16		
430	114,26	490	62,10	550	190,23	610	135,44	670	42,32	730	8,99		
435	200,69	495	66,99	555	189,94	615	127,29	675	37,41	735	7,55		

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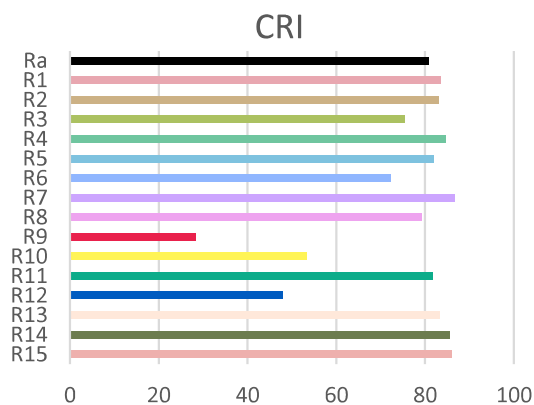
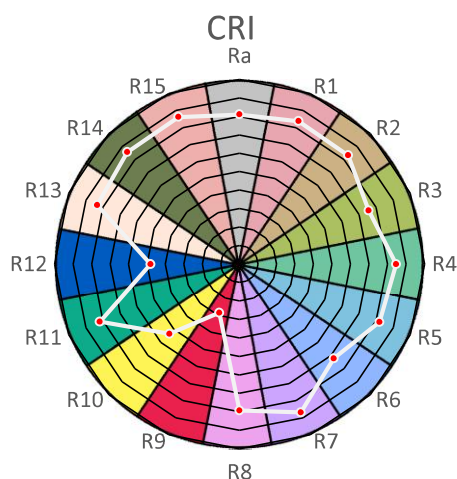
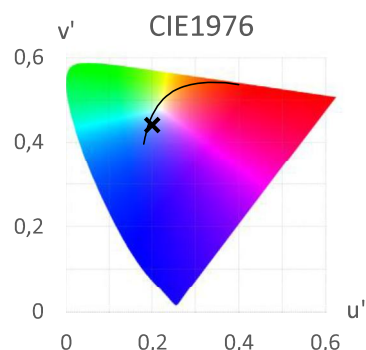
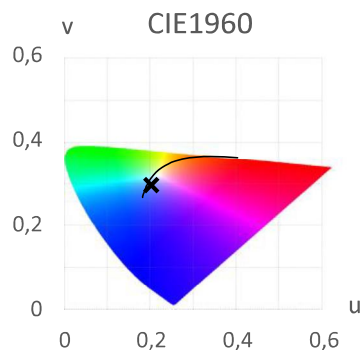
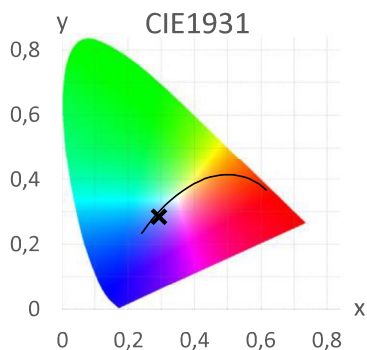
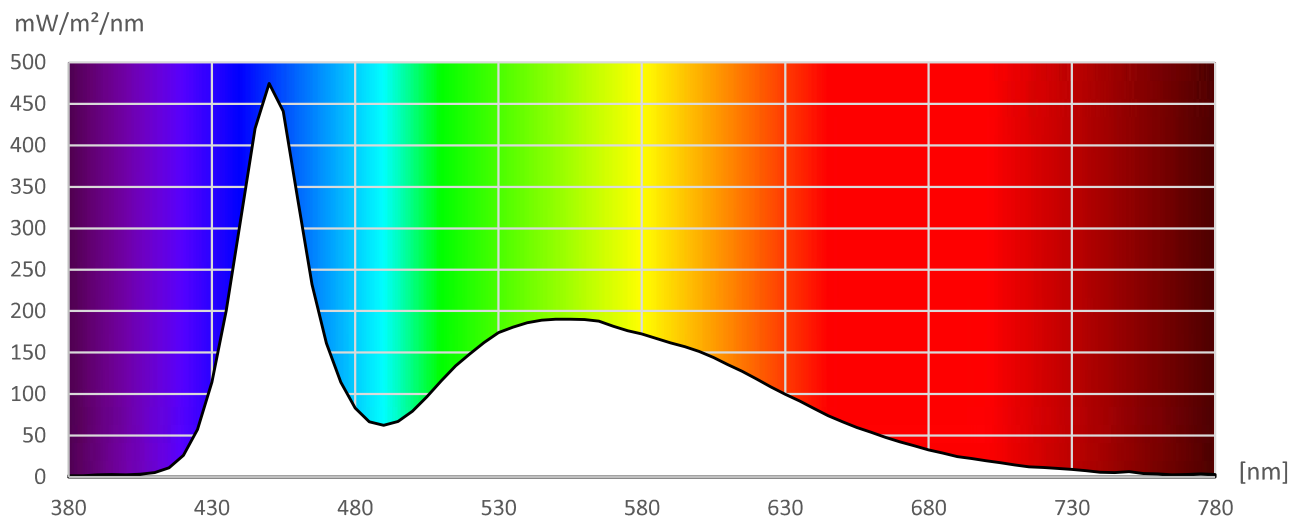
First, last name of inspector

Measurement protocol

th•mann

Test object: Stairville
GP30-W LED Gobo Projector 30W
Item 400313 / @ 1 m

Measurement file: 400313_1m.CSV
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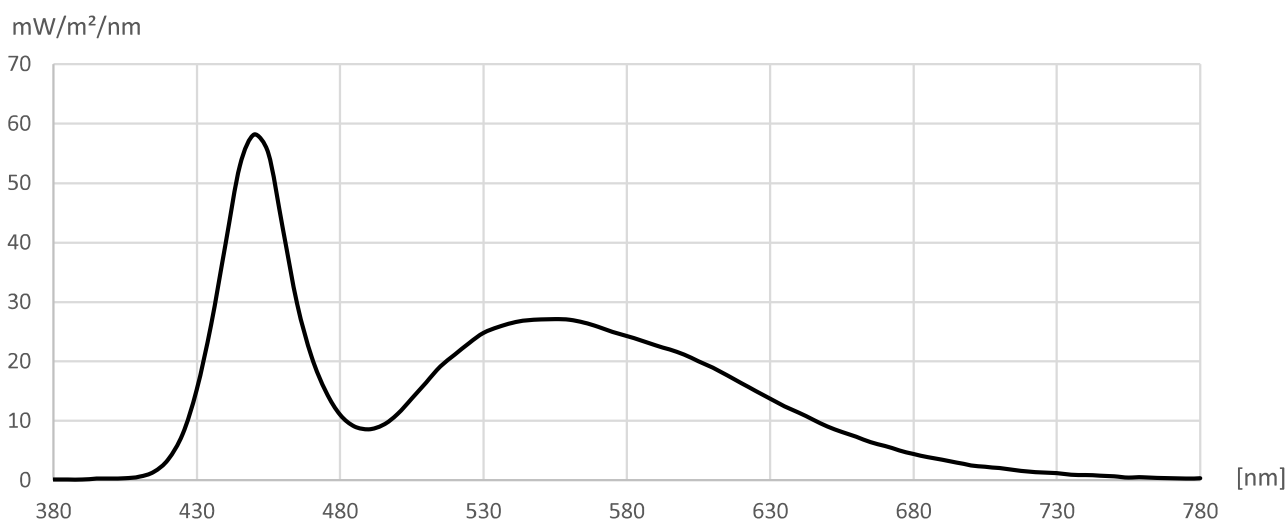
First, last name of inspector

Measurement protocol

th.mann

Test object: Stairville
GP30-W LED Gobo Projector 30W
Item 400313 / @ 3 m

Measurement file: 400313_3m.CSV
Date of measurement: 18.04.2019
Time of measurement: 20:59:52



R1 = 79,9	Ra = 78,9
R2 = 81,8	Re = 71,1
R3 = 77,5	GAI = 95,0
R4 = 81,2	
R5 = 79,2	
R6 = 71,9	
R7 = 85,9	
R8 = 73,7	
R9 = 11,3	
R10 = 51,3	
R11 = 77,8	
R12 = 47,6	
R13 = 80,1	
R14 = 87,0	
R15 = 79,6	

Illuminance	1628,78 lx
Ee	5,492 W/m²
LER	296,6 lm/W
correlated color temperature (CCT)	7836 K
Duv	-0,0044
Saturation	15 %
Dominant wavelength	474 nm
Peak wavelength	449 nm
Flicker frequency	% < 2.5 Hz
Percent Flicker	< 2.5 %
Flicker index	% < 2.5

CIE1931
x = 0,2987
y = 0,3003
CIE1976
u' = 0,1989
v' = 0,4500
CIE1960
u = 0,1989
v = 0,3000
TM30
Rf = 72,8
Rg = 95,2

[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	0,10	440	39,68	500	11,13	560	27,00	620	16,31	680	4,40	740	0,88
385	0,11	445	52,91	505	13,75	565	26,54	625	15,04	685	3,91	745	0,78
390	0,11	450	58,16	510	16,49	570	25,83	630	13,70	690	3,45	750	0,65
395	0,28	455	55,03	515	19,15	575	24,98	635	12,45	695	3,00	755	0,45
400	0,28	460	42,43	520	21,14	580	24,27	640	11,36	700	2,52	760	0,53
405	0,36	465	29,68	525	23,10	585	23,51	645	10,20	705	2,26	765	0,39
410	0,60	470	20,81	530	24,79	590	22,69	650	9,04	710	2,04	770	0,36
415	1,43	475	14,89	535	25,76	595	21,98	655	8,16	715	1,72	775	0,26
420	3,51	480	10,98	540	26,47	600	21,16	660	7,32	720	1,45	780	0,33
425	7,76	485	9,06	545	26,92	605	20,04	665	6,42	725	1,30		
430	15,22	490	8,58	550	27,05	610	18,92	670	5,76	730	1,20		
435	26,17	495	9,29	555	27,11	615	17,63	675	5,03	735	0,93		

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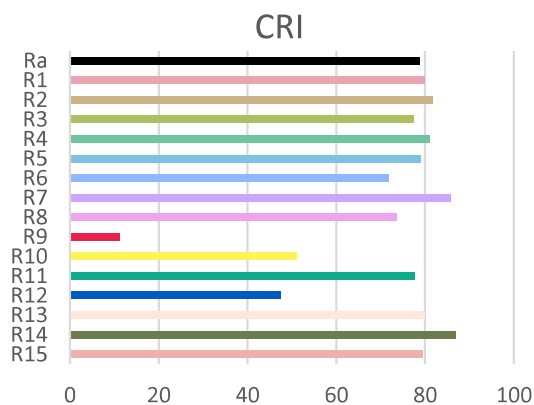
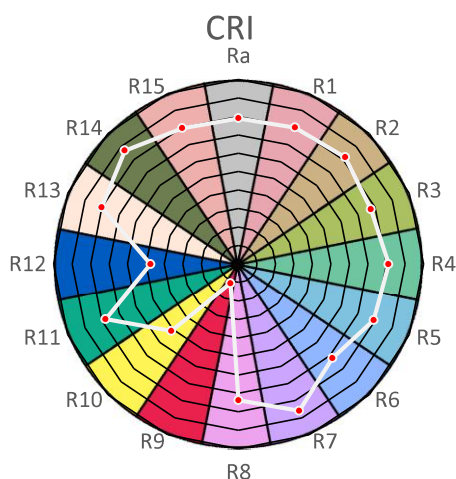
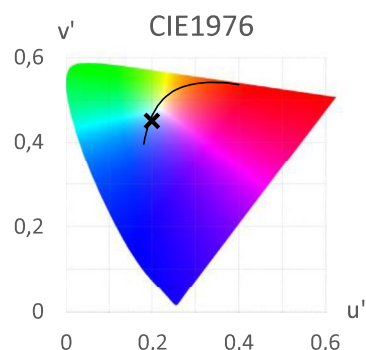
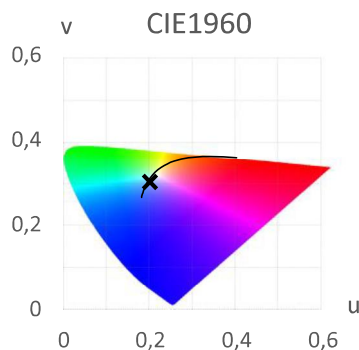
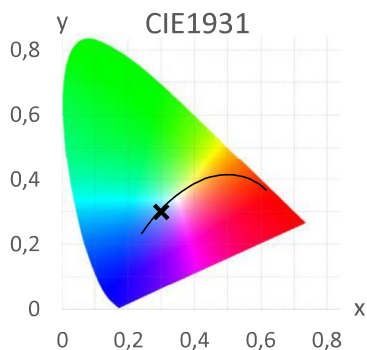
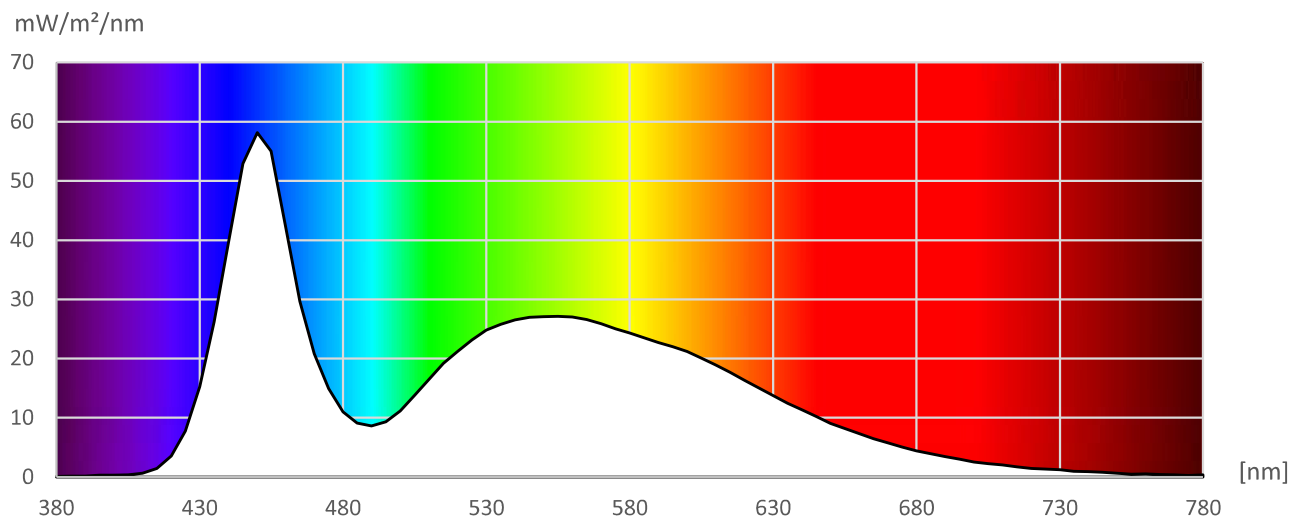
First, last name of inspector

Measurement protocol

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Test object: Stairville
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Item 400313 / @ 3 m

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