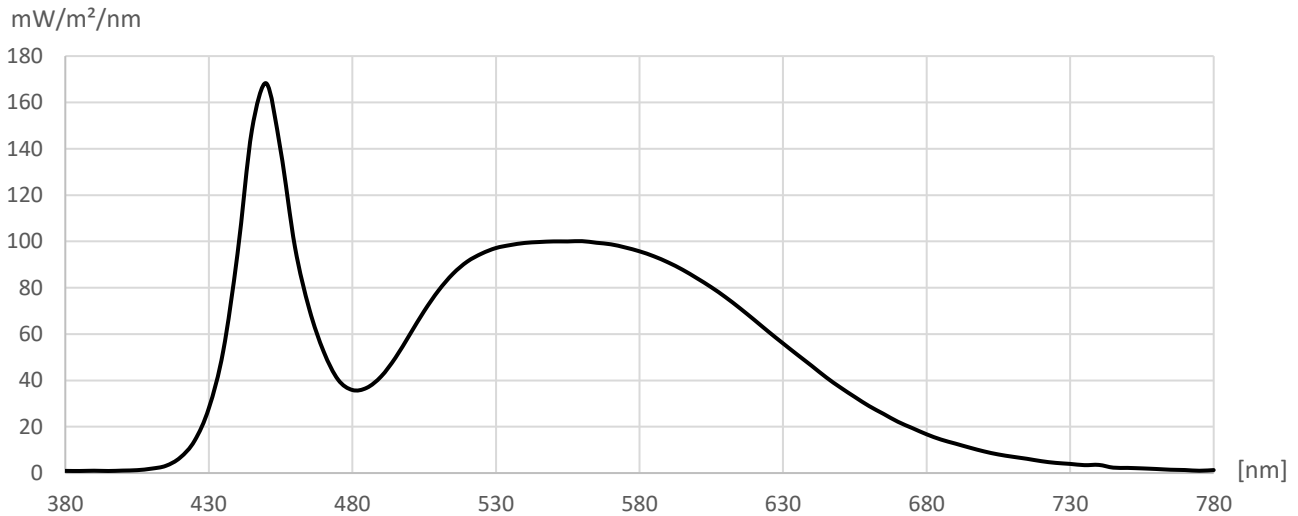


# Measurement protocol



Test object: Stairville  
 Outdoor Stage Par 12x3W WLA #405347  
 CW @ 1m distance

Measurement file: 09-28-11.CSV  
 Date of measurement: 16.06.2023  
 Time of measurement: 09:28:11



R1 = 73,3	Ra = 77,2	Illuminance	6349,71 lx	CIE1931
R2 = 81,2	Re = 67,7	Ee	19,223 W/m <sup>2</sup>	x = 0,3259
R3 = 88,1	GAI = 79,9	LER	330,3 lm/W	y = 0,3552
R4 = 77,1				
R5 = 74,8		correlated color temperature (CCT)	5773 K	CIE1976
R6 = 75,4		Duv	0,01	u' = 0,1972
R7 = 85,8				v' = 0,4836
R8 = 62,1		Saturation	4,6 %	
R9 = -18,4				CIE1960
R10 = 56,6		Dominant wavelength	530 nm	u = 0,1972
R11 = 75,1		Peak wavelength	449 nm	v = 0,3224
R12 = 50,8				
R13 = 74,9		Flicker frequency	% < 1.0 Hz	TM30
R14 = 93,6		Percent Flicker	< 1.0 %	Rf = 77,7
R15 = 65,8		Flicker index	% < 1.0	Rg = 93,8

[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	0,94	440	94,77	500	59,81	560	100,11	620	66,10	680	16,74	740	3,52
385	0,89	445	148,05	505	69,92	565	99,42	625	60,94	685	14,47	745	2,34
390	1,01	450	168,25	510	78,79	570	98,75	630	55,97	690	12,73	750	2,23
395	0,90	455	139,30	515	85,99	575	97,39	635	51,07	695	10,98	755	2,01
400	1,07	460	97,57	520	91,28	580	95,72	640	46,27	700	9,35	760	1,76
405	1,25	465	70,76	525	94,73	585	93,58	645	41,34	705	8,03	765	1,44
410	1,91	470	52,42	530	97,14	590	90,92	650	36,93	710	7,03	770	1,30
415	3,11	475	40,34	535	98,41	595	87,78	655	32,85	715	6,15	775	0,99
420	6,66	480	35,85	540	99,34	600	84,12	660	28,91	720	5,12	780	1,28
425	13,89	485	36,80	545	99,73	605	80,22	665	25,54	725	4,39		
430	28,01	490	41,68	550	100,00	610	75,89	670	22,14	730	3,95		
435	52,61	495	49,79	555	99,98	615	71,13	675	19,43	735	3,42		

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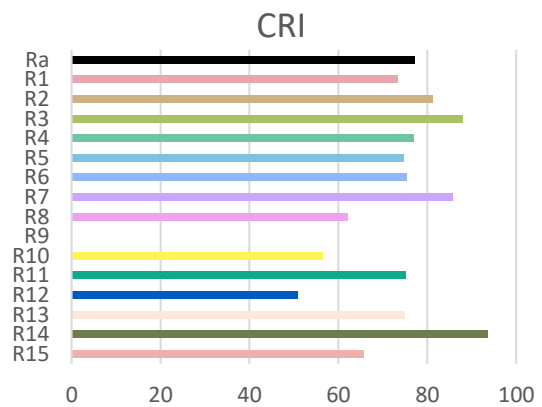
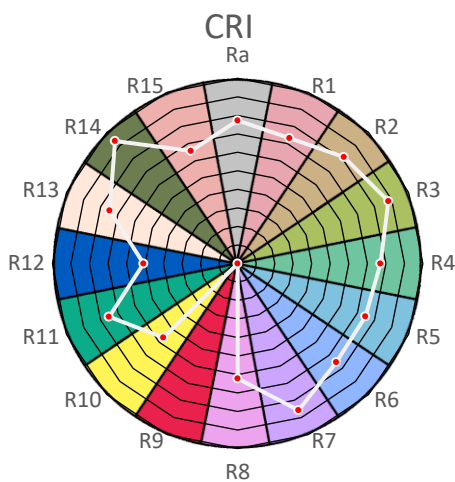
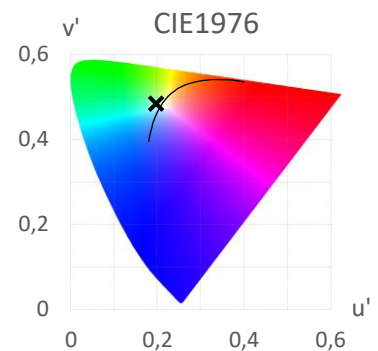
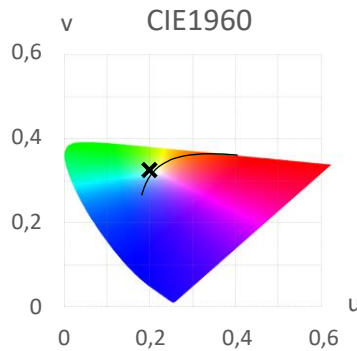
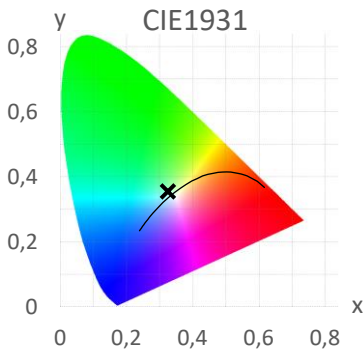
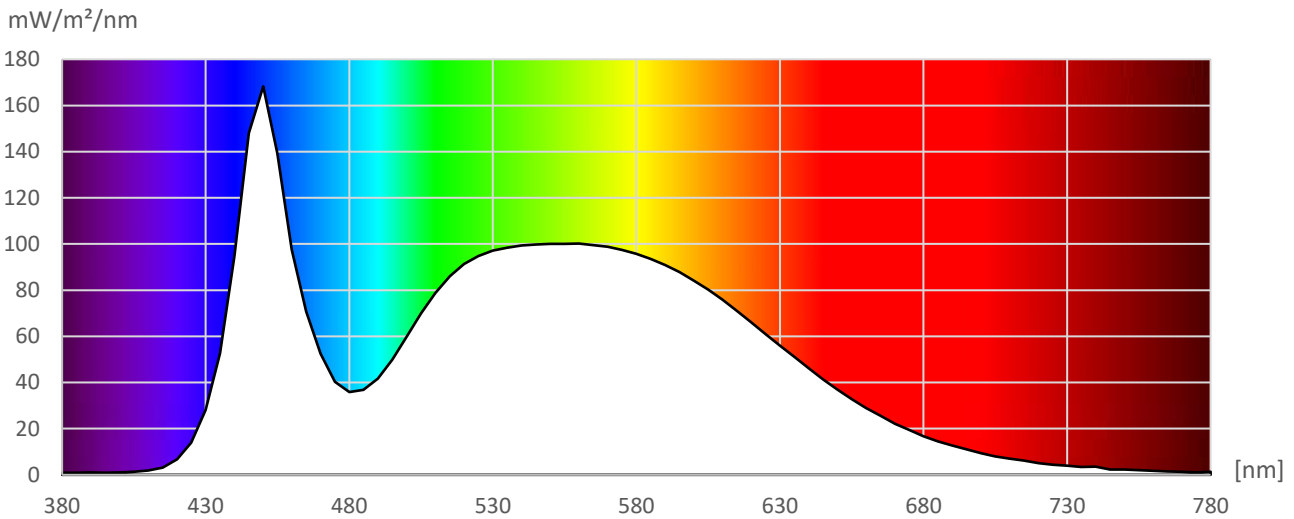
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 Outdoor Stage Par 12x3W WLA #405347  
 CW @ 1m distance

Measurement file: 09-28-11.CSV  
 Date of measurement: 16.06.2023  
 Time of measurement: 09:28:11



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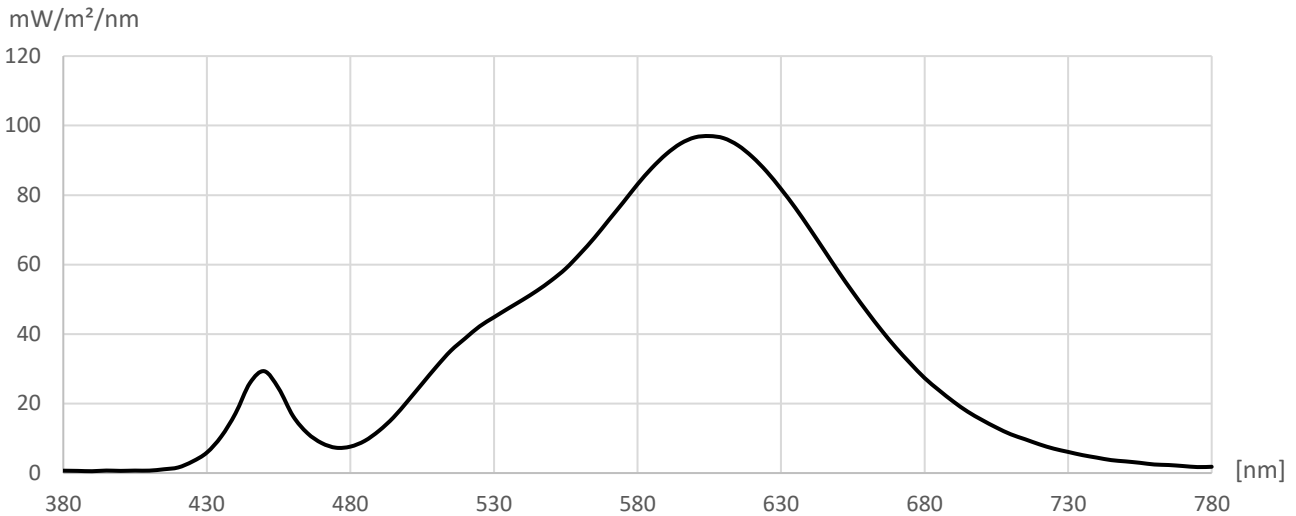
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 Outdoor Stage Par 12x3W WLA #405347  
 WW @ 1m distance

Measurement file: 09-28-40.CSV  
 Date of measurement: 16.06.2023  
 Time of measurement: 09:28:40



R1 = 75,2	Ra = 78,1	Illuminance	4528,14 lx	CIE1931
R2 = 85,4	Re = 70,6	Ee	13,318 W/m <sup>2</sup>	x = 0,4699
R3 = 96,2	GAI = 36,2	LER	340,0 lm/W	y = 0,4266
R4 = 76,7				
R5 = 74,1		correlated color temperature (CCT)	2685 K	CIE1976
R6 = 81,4		Duv	0,005	u' = 0,2618
R7 = 82,9		Saturation	69 %	v' = 0,5348
R8 = 53,3				
R9 = -7,0				CIE1960
R10 = 67,1		Dominant wavelength	582 nm	u = 0,2618
R11 = 74,5		Peak wavelength	605 nm	v = 0,3565
R12 = 58,0				
R13 = 76,8		Flicker frequency	% < 1.0 Hz	TM30
R14 = 97,5		Percent Flicker	< 1.0 %	Rf = 80,1
R15 = 66,5		Flicker index	% < 1.0	Rg = 94,0

[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	0,68	440	17,19	500	20,76	560	63,09	620	90,99	680	27,36	740	4,44
385	0,62	445	25,90	505	25,71	565	67,71	625	86,77	685	23,85	745	3,73
390	0,53	450	29,31	510	30,65	570	72,81	630	81,74	690	20,58	750	3,36
395	0,72	455	24,38	515	35,22	575	77,87	635	76,29	695	17,67	755	2,95
400	0,62	460	16,44	520	38,78	580	83,09	640	70,32	700	15,28	760	2,47
405	0,71	465	11,51	525	42,21	585	87,79	645	64,15	705	13,10	765	2,31
410	0,70	470	8,63	530	44,83	590	91,77	650	57,95	710	11,16	770	2,02
415	1,09	475	7,29	535	47,38	595	94,82	655	52,05	715	9,73	775	1,72
420	1,61	480	7,61	540	49,85	600	96,61	660	46,43	720	8,26	780	1,81
425	3,33	485	9,26	545	52,48	605	96,98	665	41,07	725	7,02		
430	5,89	490	12,20	550	55,44	610	96,38	670	36,10	730	6,08		
435	10,50	495	16,00	555	58,83	615	94,30	675	31,60	735	5,16		

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Burgebrach, 16.06.2023

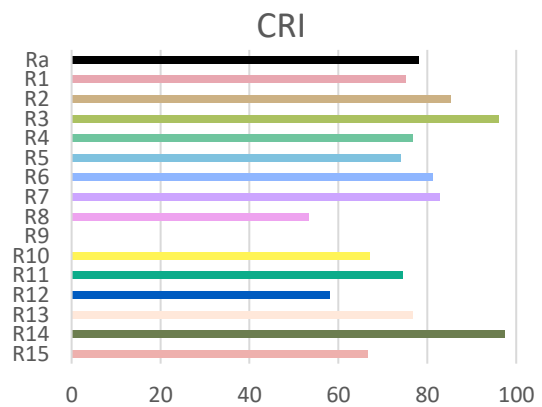
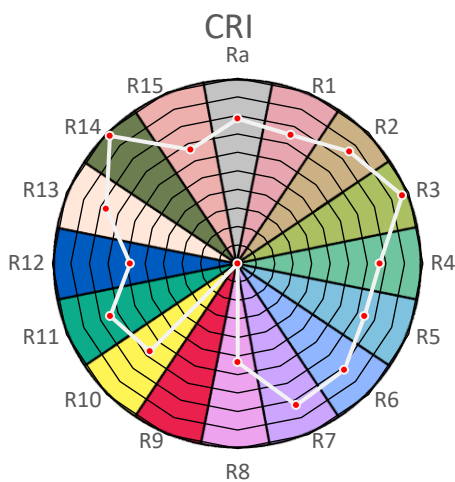
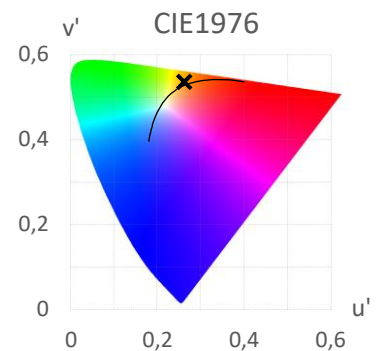
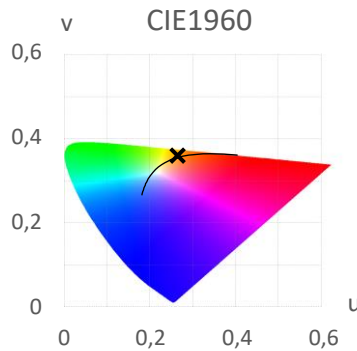
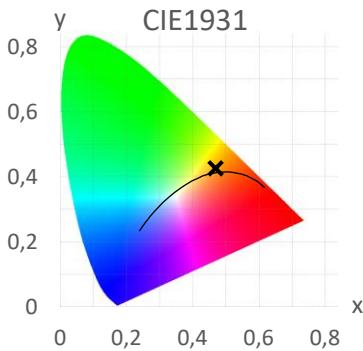
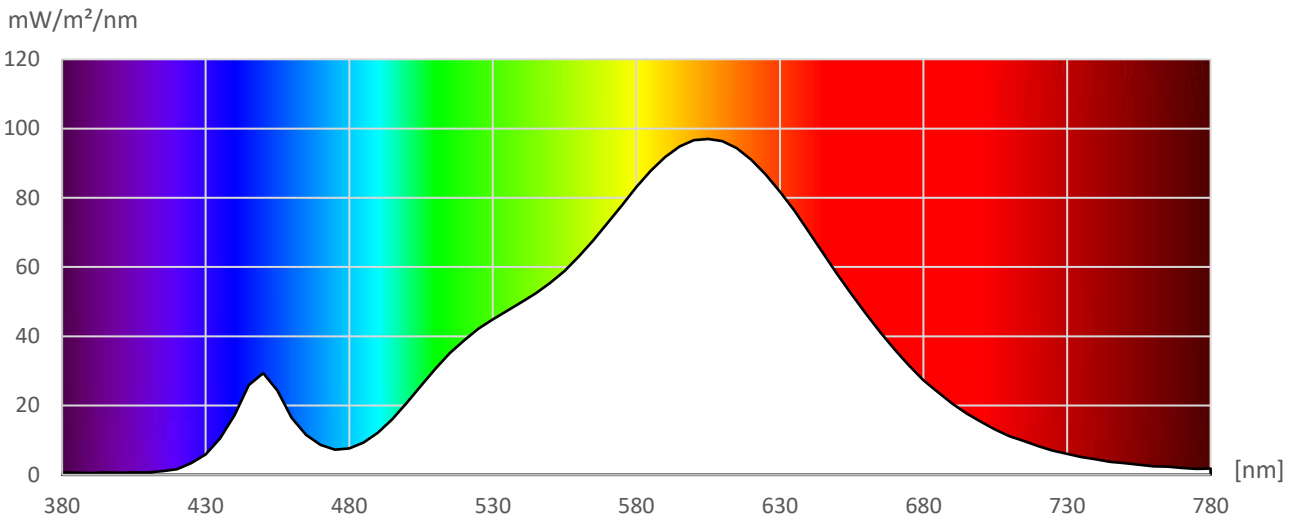
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 Outdoor Stage Par 12x3W WLA #405347  
 WW @ 1m distance

Measurement file: 09-28-40.CSV  
 Date of measurement: 16.06.2023  
 Time of measurement: 09:28:40

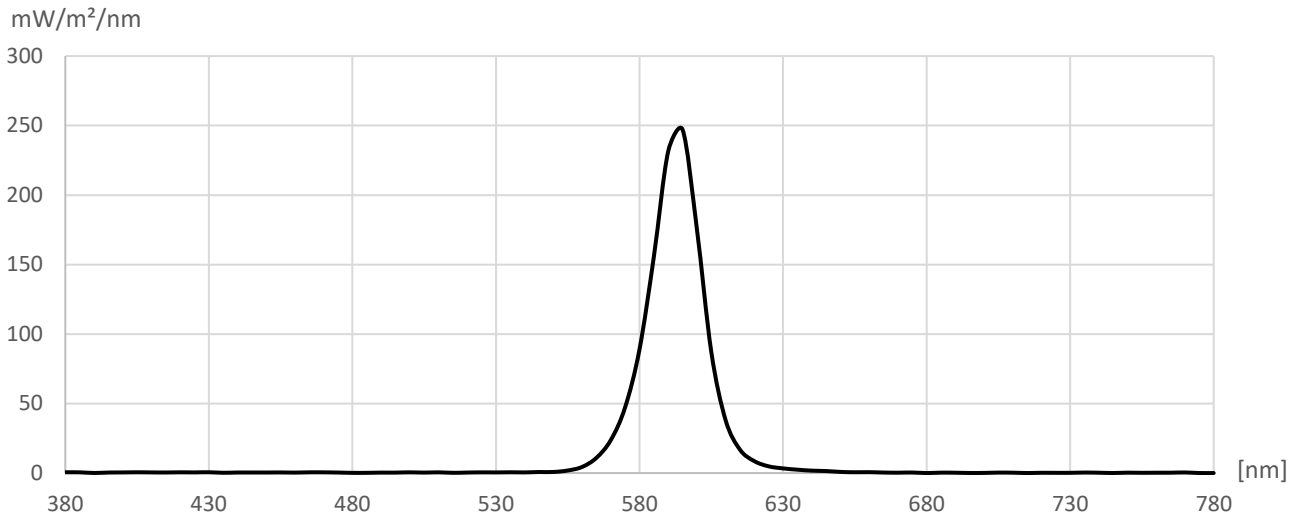


# Measurement protocol



Test object: Stairville  
 Outdoor Stage Par 12x3W WLA #405347  
 Amber @ 1m distance

Measurement file: 09-29-08.CSV  
 Date of measurement: 16.06.2023  
 Time of measurement: 09:29:08



R1 = -39,1	Ra = -23,7	Illuminance	2852,52 lx	CIE1931
R2 = 49,6	Re = -47,8	Ee	5,867 W/m <sup>2</sup>	x = 0,5776
R3 = 17,5	GAI = 0,4	LER	486,2 lm/W	y = 0,4175
R4 = -71,9				
R5 = -43,5		correlated color temperature (CCT)	1668 K	CIE1976
R6 = 36,8		Duv	0,0082	u' = 0,3371
R7 = -5,3				v' = 0,5481
R8 = #####		Saturation	98,2 %	
R9 = #####				CIE1960
R10 = 26,0		Dominant wavelength	591 nm	u = 0,3371
R11 = #####		Peak wavelength	594 nm	v = 0,3654
R12 = -12,8				
R13 = -21,0		Flicker frequency	% < 1.0 Hz	TM30
R14 = 45,2		Percent Flicker	< 1.0 %	Rf = 3,9
R15 = -68,1		Flicker index	% < 1.0	Rg = 13,3

[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	0,56	440	0,39	500	0,53	560	4,39	620	8,57	680	0,00	740	0,24
385	0,53	445	0,40	505	0,34	565	10,96	625	4,83	685	0,31	745	0,05
390	0,06	450	0,39	510	0,52	570	23,70	630	3,35	690	0,24	750	0,27
395	0,38	455	0,44	515	0,17	575	47,34	635	2,43	695	0,07	755	0,18
400	0,44	460	0,34	520	0,37	580	88,94	640	1,73	700	0,10	760	0,24
405	0,57	465	0,54	525	0,51	585	155,58	645	1,44	705	0,33	765	0,27
410	0,46	470	0,52	530	0,46	590	231,44	650	0,83	710	0,27	770	0,43
415	0,41	475	0,37	535	0,56	595	247,10	655	0,58	715	0,03	775	0,03
420	0,54	480	0,14	540	0,48	600	175,51	660	0,65	720	0,20	780	0,00
425	0,47	485	0,16	545	0,76	605	87,34	665	0,37	725	0,16		
430	0,59	490	0,33	550	0,77	610	38,03	670	0,27	730	0,17		
435	0,21	495	0,32	555	1,84	615	16,82	675	0,40	735	0,37		

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Burgebrach, 16.06.2023

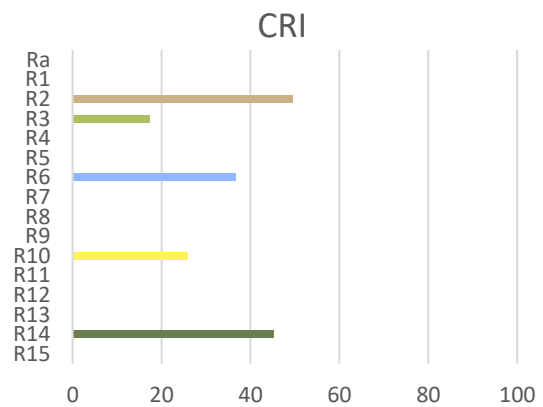
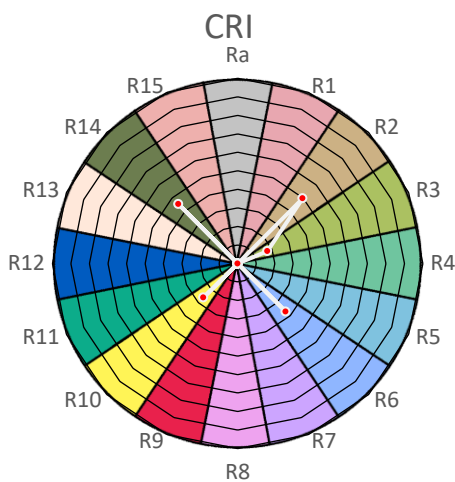
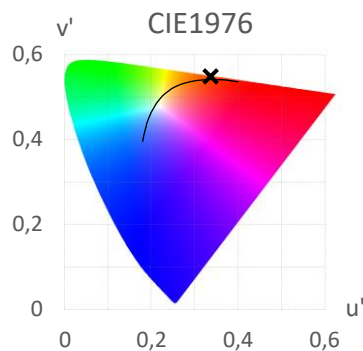
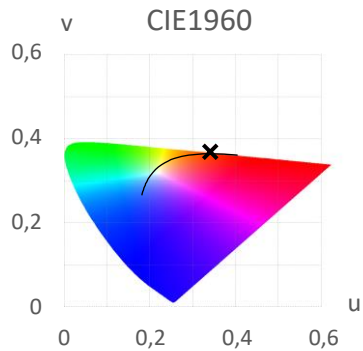
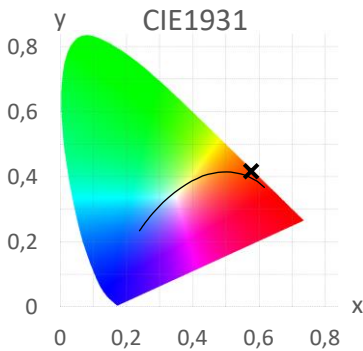
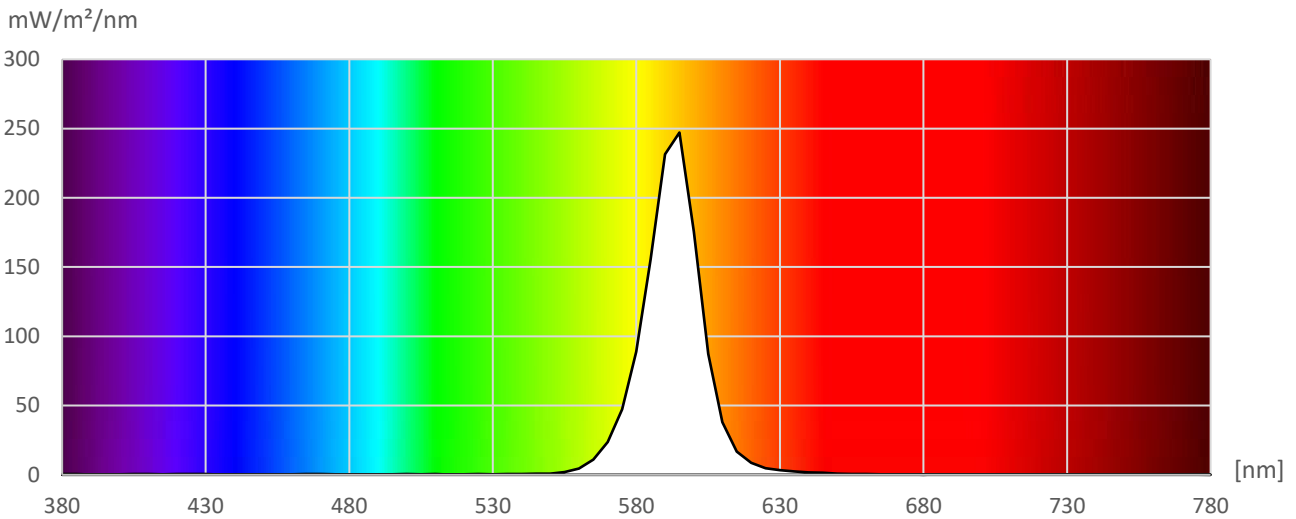
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 Outdoor Stage Par 12x3W WLA #405347  
 Amber @ 1m distance

Measurement file: 09-29-08.CSV  
 Date of measurement: 16.06.2023  
 Time of measurement: 09:29:08



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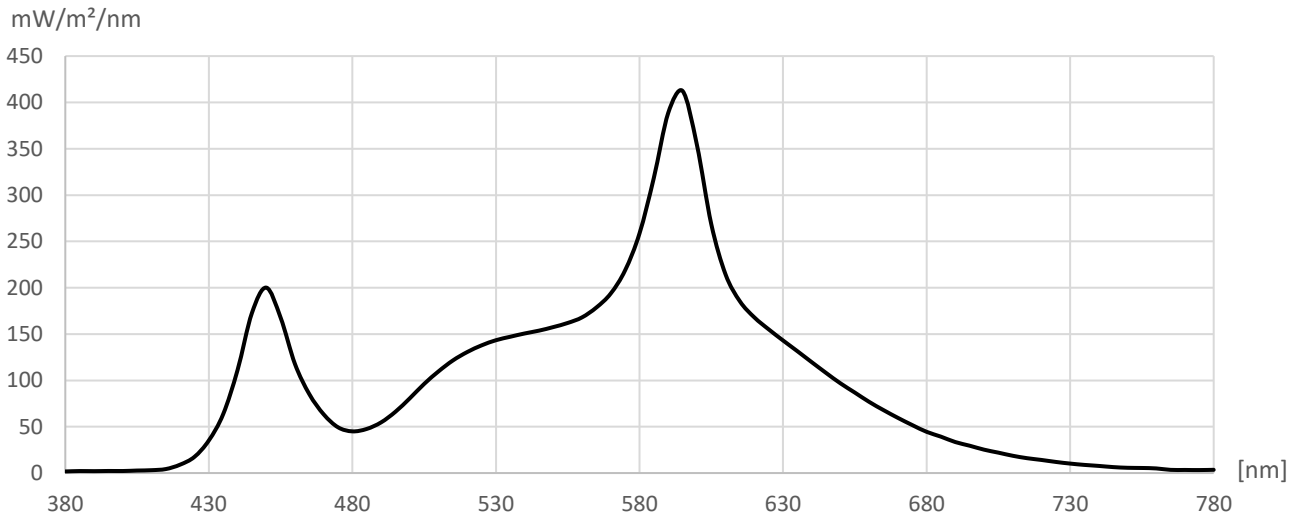
First, last name of inspector

# Measurement protocol



Test object: Stairville  
 Outdoor Stage Par 12x3W WLA #405347  
 Full @ 1m distance

Measurement file: 09-29-52.CSV  
 Date of measurement: 16.06.2023  
 Time of measurement: 09:29:52



R1 = 65,7	Ra = 68,6	Illuminance	13583,81 lx	CIE1931
R2 = 86,1	Re = 59,0	Ee	38,302 W/m <sup>2</sup>	x = 0,4158
R3 = 88,9	GAI = 58,9	LER	354,7 lm/W	y = 0,3873
R4 = 65,9				
R5 = 68,5		correlated color temperature (CCT)	3241 K	CIE1976
R6 = 83,4		Duv	-0,0036	u' = 0,2440
R7 = 66,7				v' = 0,5114
R8 = 23,7		Saturation	40,8 %	
R9 = -80,5				CIE1960
R10 = 70,6		Dominant wavelength	583 nm	u = 0,2440
R11 = 67,1		Peak wavelength	594 nm	v = 0,3409
R12 = 63,5				
R13 = 72,1		Flicker frequency	% < 1.0 Hz	TM30
R14 = 93,8		Percent Flicker	< 1.0 %	Rf = 71,6
R15 = 49,3		Flicker index	% < 1.0	Rg = 90,9

[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	1,73	440	111,12	500	80,69	560	168,03	620	168,00	680	44,53	740	7,70
385	2,17	445	172,67	505	96,22	565	178,72	625	155,09	685	39,29	745	6,44
390	2,05	450	200,13	510	109,76	570	193,81	630	143,08	690	33,47	750	5,68
395	2,27	455	167,74	515	121,52	575	218,84	635	131,51	695	29,52	755	5,48
400	2,21	460	117,69	520	130,61	580	258,53	640	119,66	700	25,26	760	4,99
405	2,71	465	85,16	525	137,80	585	318,56	645	108,03	705	22,02	765	3,45
410	3,09	470	63,37	530	143,35	590	388,56	650	96,81	710	18,67	770	3,34
415	4,31	475	49,37	535	147,12	595	412,35	655	86,85	715	16,05	775	3,23
420	9,07	480	45,02	540	150,66	600	354,25	660	76,81	720	14,16	780	3,49
425	17,52	485	47,62	545	153,71	605	268,70	665	67,91	725	12,00		
430	35,18	490	54,70	550	157,56	610	214,22	670	59,58	730	10,22		
435	63,61	495	66,19	555	161,98	615	185,23	675	51,79	735	8,80		

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Burgebrach, 16.06.2023

First, last name of inspector

# Measurement protocol



Test object: Stairville  
 Outdoor Stage Par 12x3W WLA #405347  
 Full @ 1m distance

Measurement file: 09-29-52.CSV  
 Date of measurement: 16.06.2023  
 Time of measurement: 09:29:52

