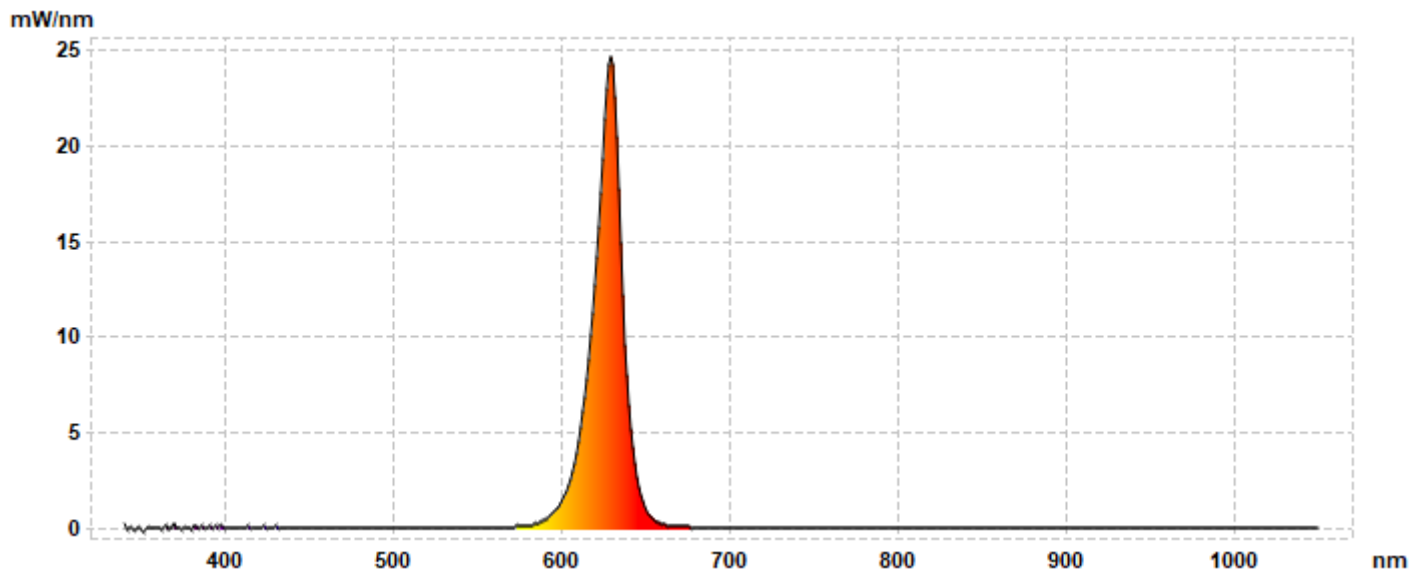


Measuring Report

Spectrum



Measurement name: *FS-86-RGBCLW - LED2835 - Sample:120719 - Red*
 Measurement time: *2019-07-16 10:19:21*
 Report time: *2019-09-10 10:03:32*
 Signal Level: *69.833*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBCLW - Red*
 Made by: *AUTLED GmbH*
 Note:

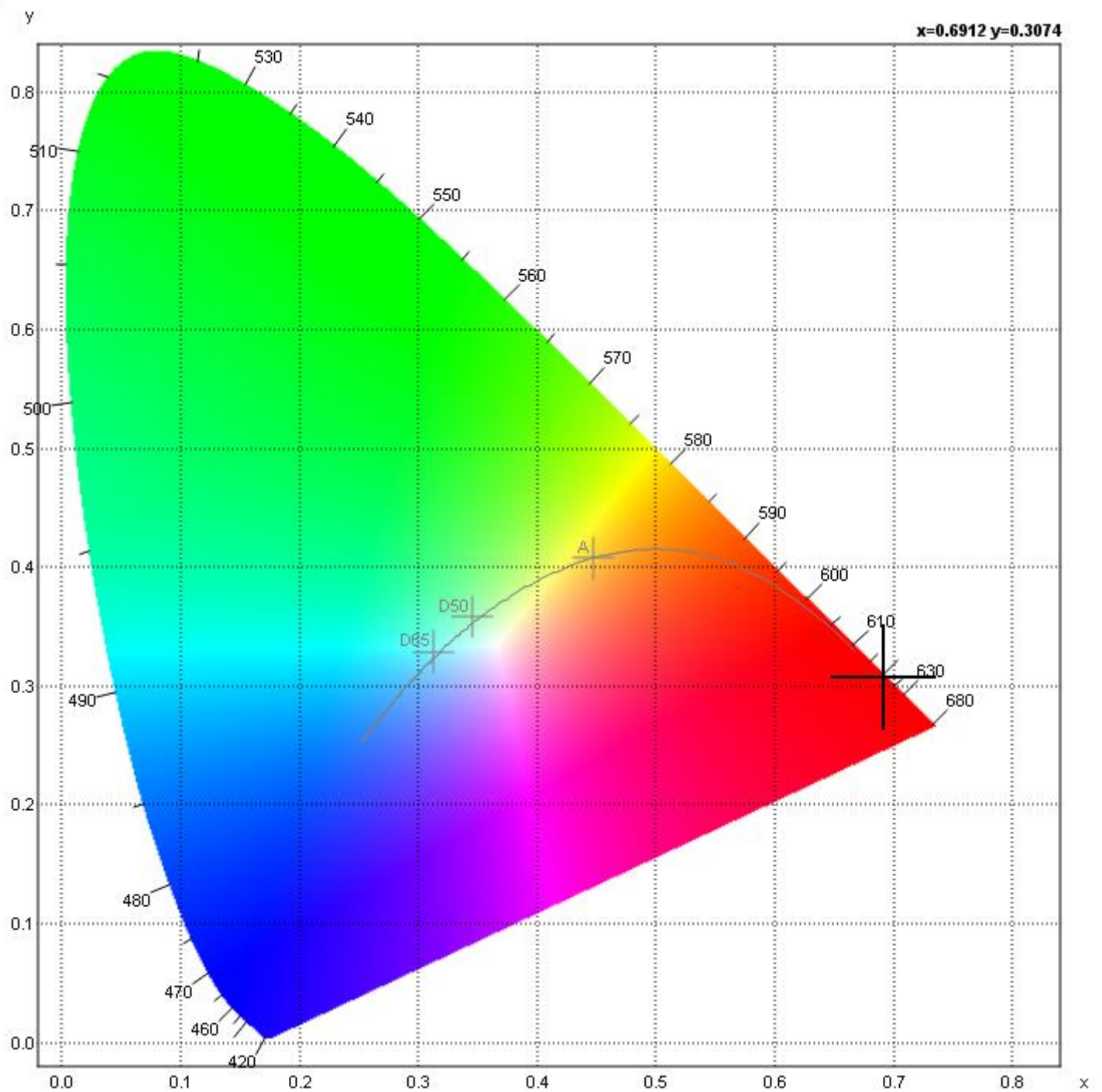
Results

Important Values	
CCT [K]	-
Light Flux [lm]	107,95
Delta uv	nan
Ansi Bin	
Color Peak [nm]	629,73
Color Peak Value	24,81
Wavelength Domin. [nm]	620,5
Radiometric [W]	0,5069
Luminous Efficacy [lm/W]	34,9638
Power [W]	3,08746
Current [A]	0.1288
Voltage [V]	23.971
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	22.0

Rendering Indices	
Ra	-14,8
Rf	5
Rg	-
R1	-72,1
R2	-3,2
R3	56,6
R4	-46,3
R5	-49,9
R6	-44,5
R7	51,7
R8	-10,8
R9	-100,0
R10	-80,8
R11	-100,0
R12	-75,4
R13	-76,2
R14	68,2

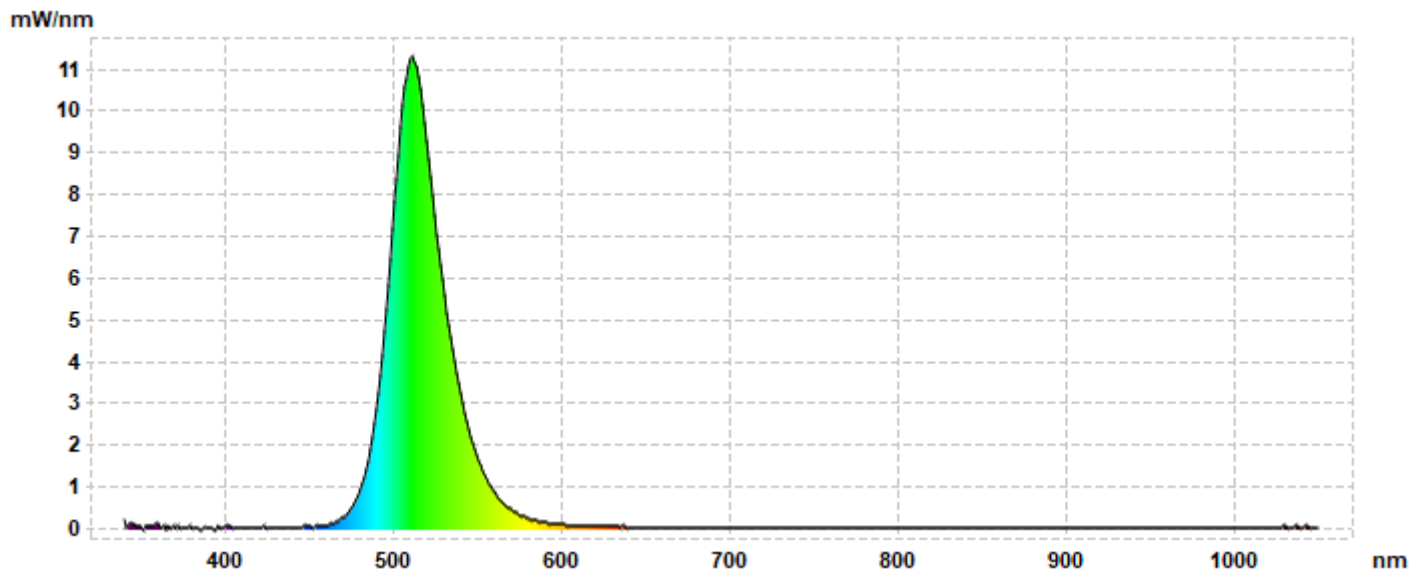
CIE 1931	
x	0,6912
y	0,3074
u'	0,5210
v'	0,5214
L	100,00
a	166,23
b	168,00
X	242,73
Z	0,48

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBCLW - LED2835 - Sample:120719 - Green*
 Measurement time: *2019-07-16 10:19:50*
 Report time: *2019-09-10 10:04:04*
 Signal Level: *68.965*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBCLW - Green*
 Made by: *AUTLED GmbH*
 Note:

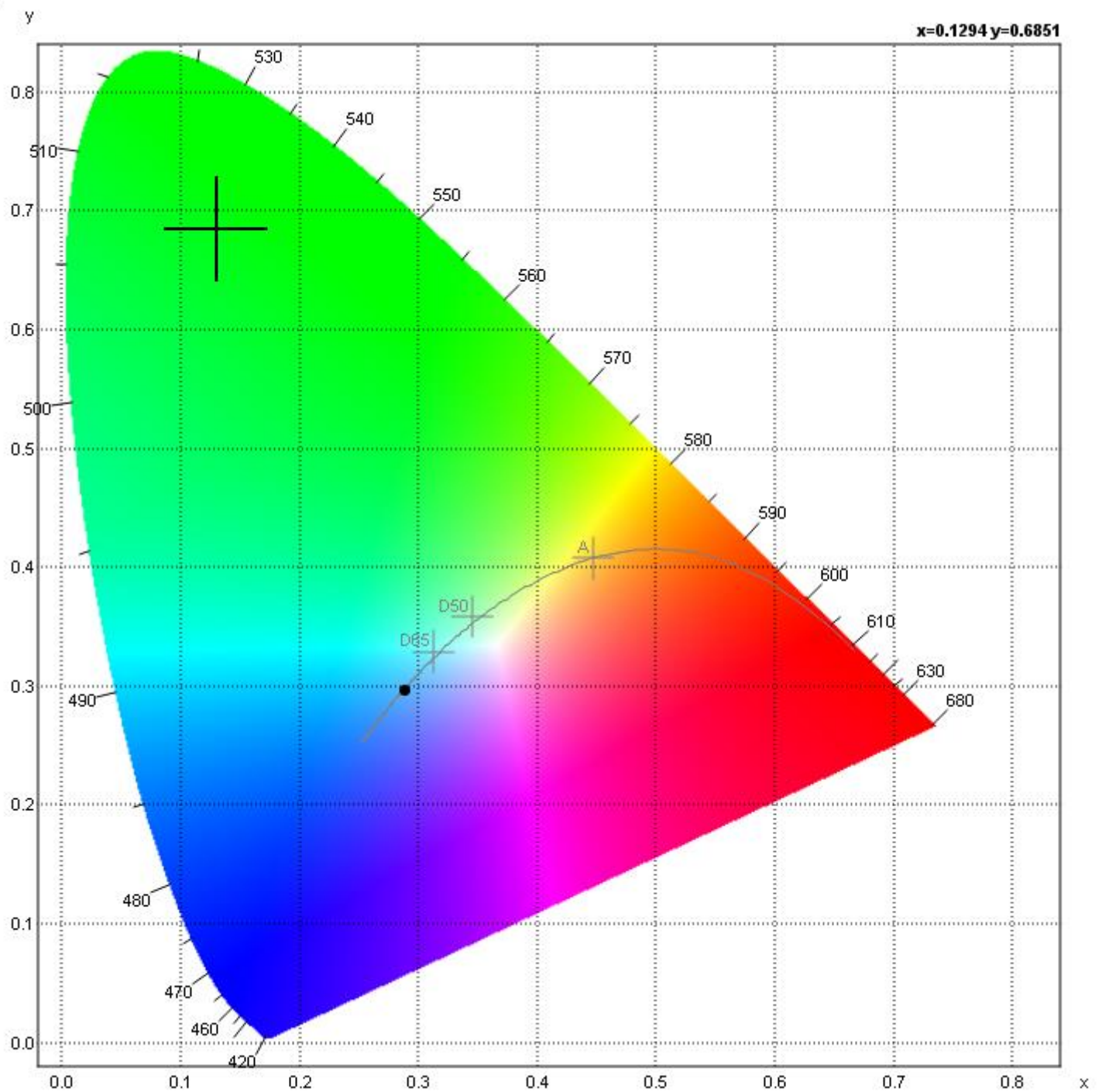
Results

Important Values	
CCT [K]	8819
Light Flux [lm]	182,22
Delta uv	0,1646
Ansi Bin	
Color Peak [nm]	510,13
Color Peak Value	11,38
Wavelength Domin. [nm]	516,6
Radiometric [W]	0,4449
Luminous Efficacy [lm/W]	64,2019
Power [W]	2,83817
Current [A]	0.1184
Voltage [V]	23.971
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	22.0

Rendering Indices	
Ra	-22,8
Rf	1
Rg	9
R1	-33,1
R2	-6,0
R3	-22,8
R4	-61,8
R5	-6,7
R6	-15,8
R7	-6,8
R8	-29,1
R9	-100,0
R10	-100,0
R11	-87,3
R12	-28,1
R13	-39,8
R14	38,6

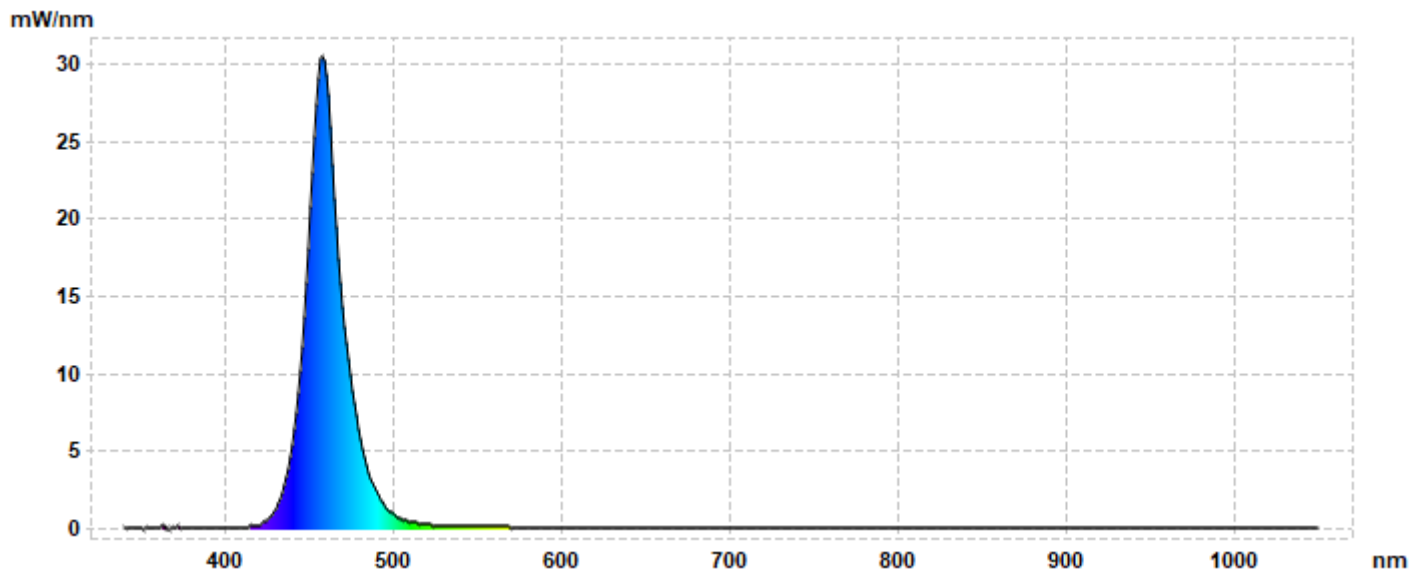
CIE 1931	
x	0,1294
y	0,6851
u'	0,0472
v'	0,5625
L	100,00
a	-208,19
b	74,23
X	34,43
Z	49,34

CIE 1931



Measuring Report

Spectrum



Measurement name: FS-86-RGBCLW - LED2835 - Sample:120719 - Blue
 Measurement time: 2019-07-16 10:22:07
 Report time: 2019-09-10 10:04:20
 Signal Level: 71.551
 Device: GLX10t 1104N041
 Item No: FS-86-RGBCLW - Blue
 Made by: AUTLED GmbH
 Note:

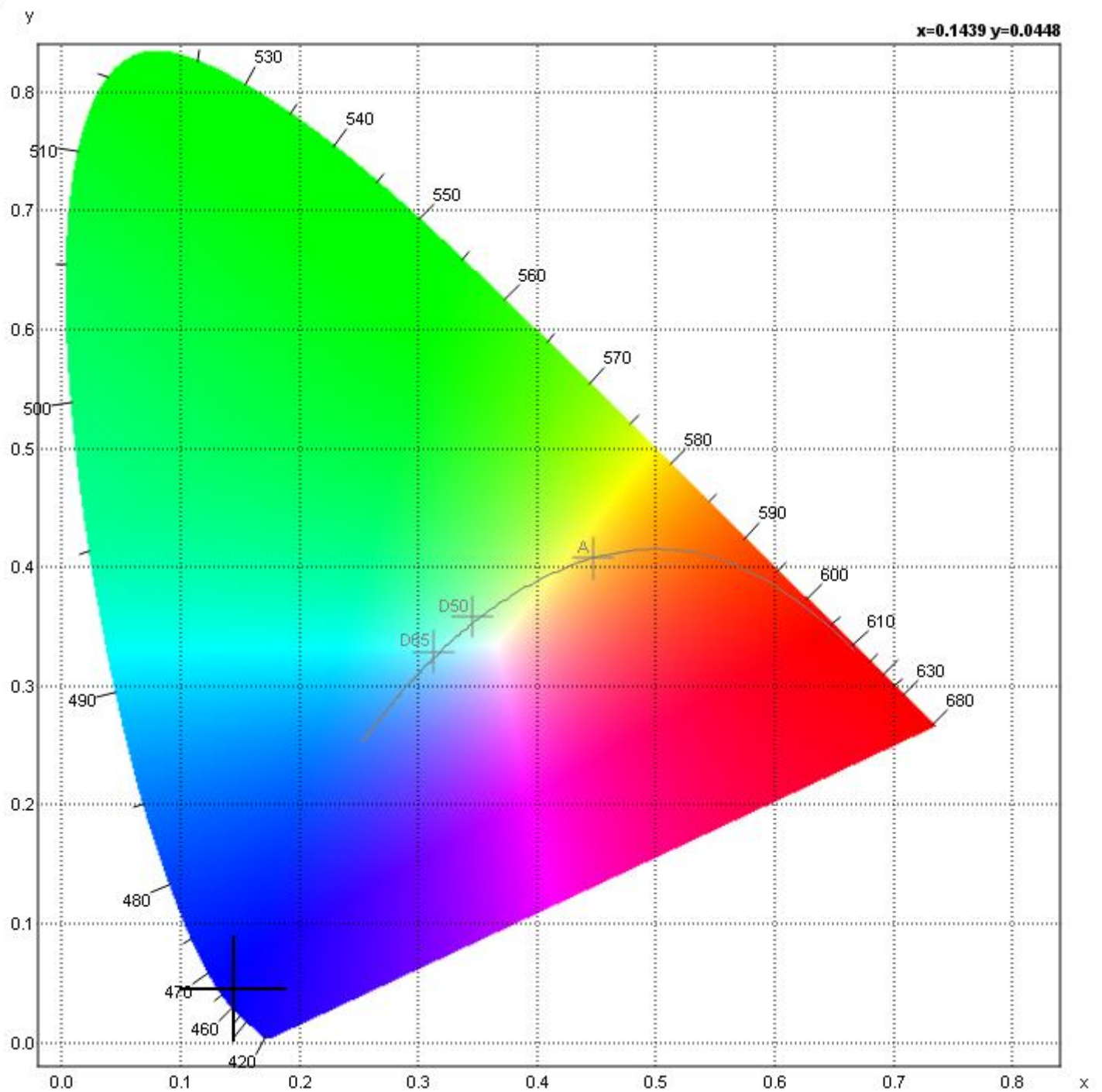
Results

Important Values	
CCT [K]	-
Light Flux [lm]	44,42
Delta uv	nan
Ansi Bin	
Color Peak [nm]	457,19
Color Peak Value	30,76
Wavelength Domin. [nm]	463,5
Radiometric [W]	0,7974
Luminous Efficacy [lm/W]	15,6149
Power [W]	2,84453
Current [A]	0.1187
Voltage [V]	23.964
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	22.0

Rendering Indices	
Ra	-53,5
Rf	1
Rg	70
R1	-46,8
R2	7,0
R3	-100,0
R4	-100,0
R5	-33,2
R6	-30,2
R7	-35,3
R8	-89,6
R9	-100,0
R10	-100,0
R11	-100,0
R12	-100,0
R13	-28,0
R14	-9,0

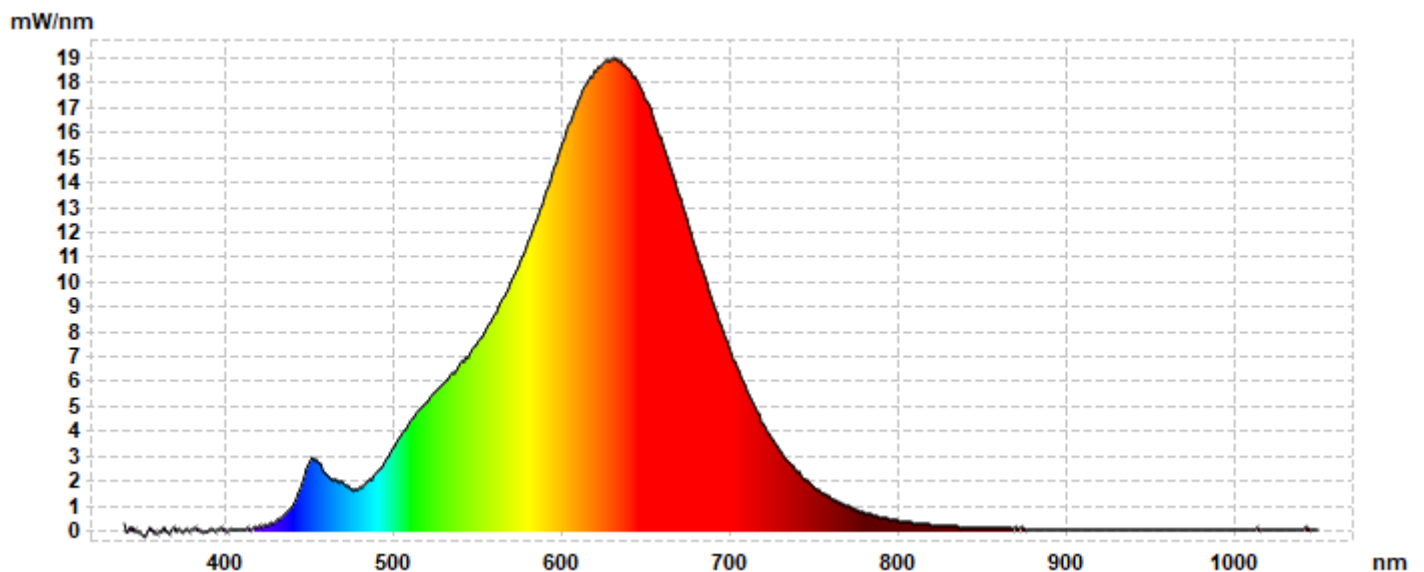
CIE 1931	
x	0,1439
y	0,0448
u'	0,1771
v'	0,1242
L	100,00
a	250,19
b	-310,37
X	142,59
Z	803,67

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBCLW - LED2835 - Sample:120719 - CLW*
 Measurement time: *2019-07-16 10:33:24*
 Report time: *2019-09-10 10:04:39*
 Signal Level: *70.225*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBCLW - CLW*
 Made by: *AUTLED GmbH*
 Note:

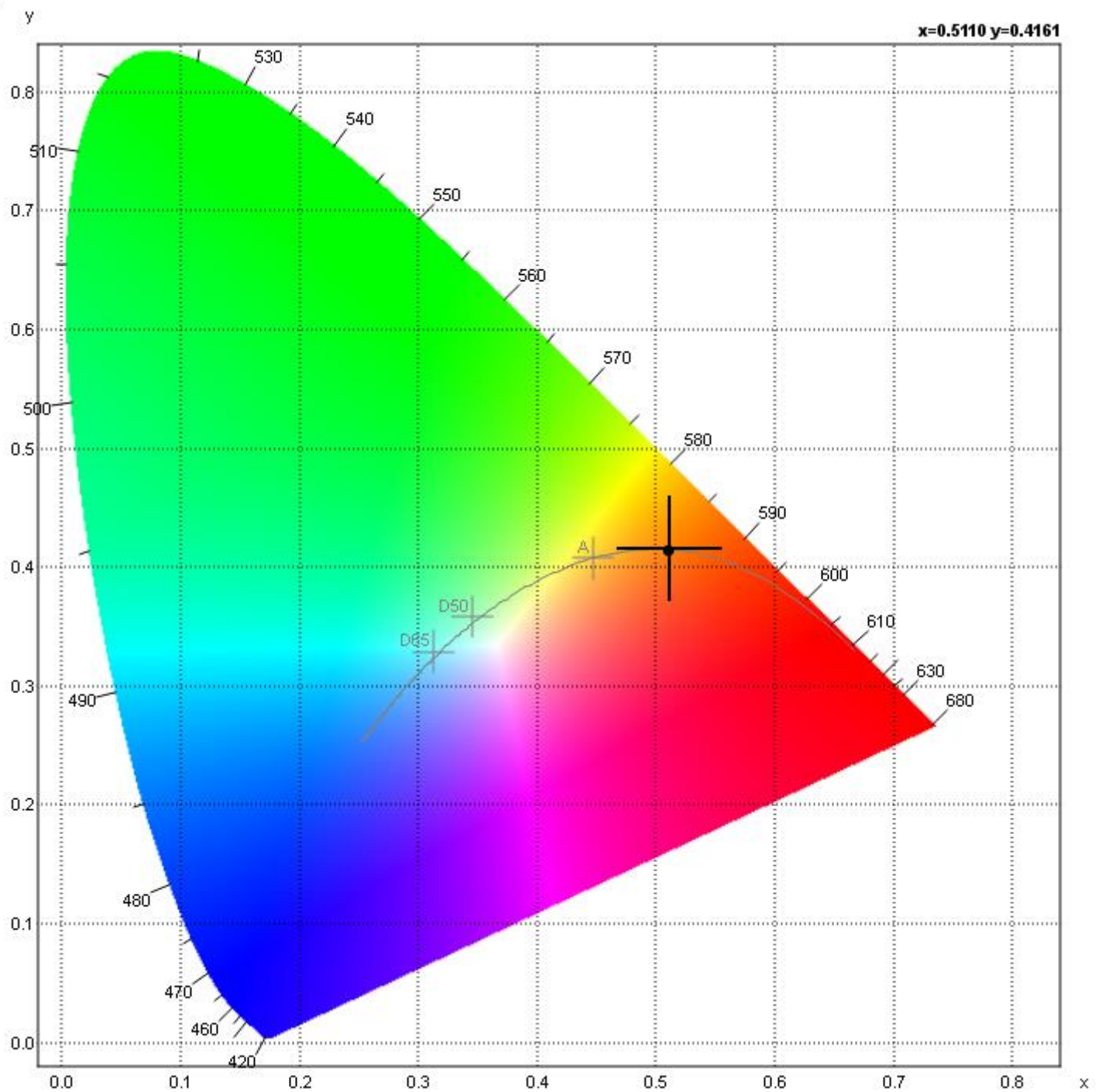
Results

Important Values	
CCT [K]	2153
Light Flux [lm]	694,51
Delta uv	0,0003
Ansi Bin	
Color Peak [nm]	631,11
Color Peak Value	19,06
Wavelength Domin. [nm]	587,5
Radiometric [W]	2,7188
Luminous Efficacy [lm/W]	81,2574
Power [W]	8,54699
Current [A]	0.3566
Voltage [V]	23.968
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	22.1

Rendering Indices	
Ra	92,0
Rf	91
Rg	99
R1	91,9
R2	96,8
R3	98,9
R4	91,9
R5	92,1
R6	97,9
R7	89,2
R8	77,2
R9	54,3
R10	92,3
R11	94,4
R12	90,6
R13	93,2
R14	99,1

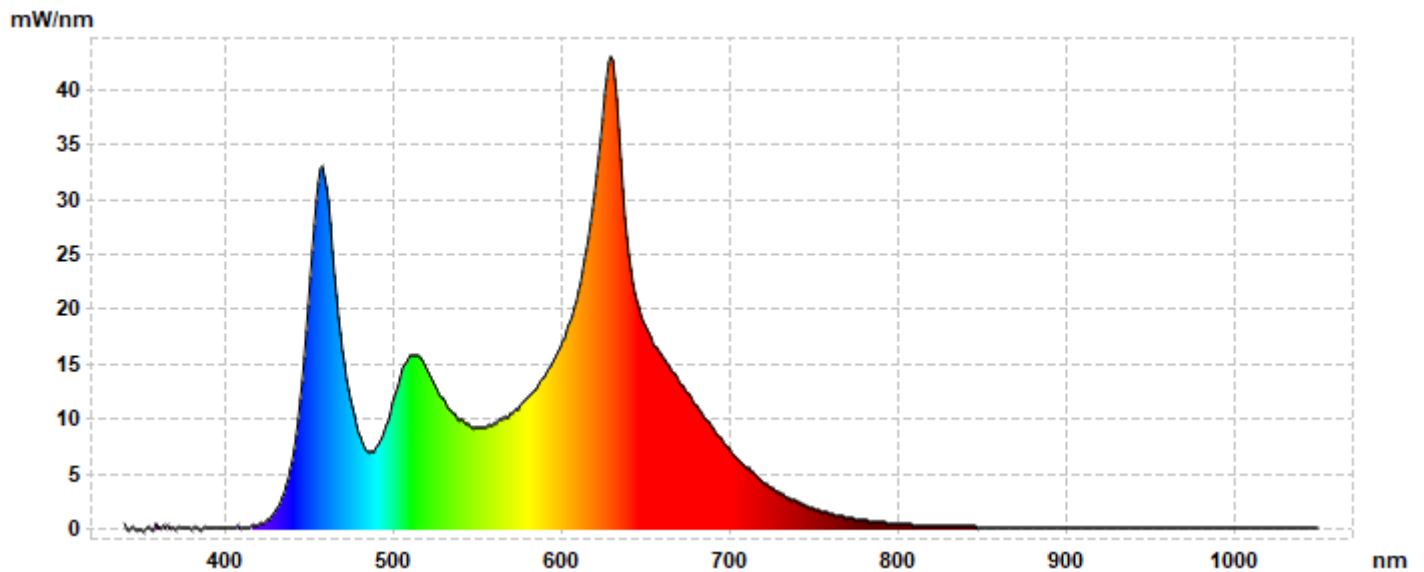
CIE 1931	
x	0,5110
y	0,4161
u'	0,2932
v'	0,5372
L	100,00
a	44,61
b	91,23
X	853,02
Z	121,64

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBCLW - LED2835 - Sample:120719 - 100%Mix*
 Measurement time: *2019-07-16 10:38:13*
 Report time: *2019-09-10 10:05:00*
 Signal Level: *70.558*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBCLW - 100%Mix*
 Made by: *AUTLED GmbH*
 Note:

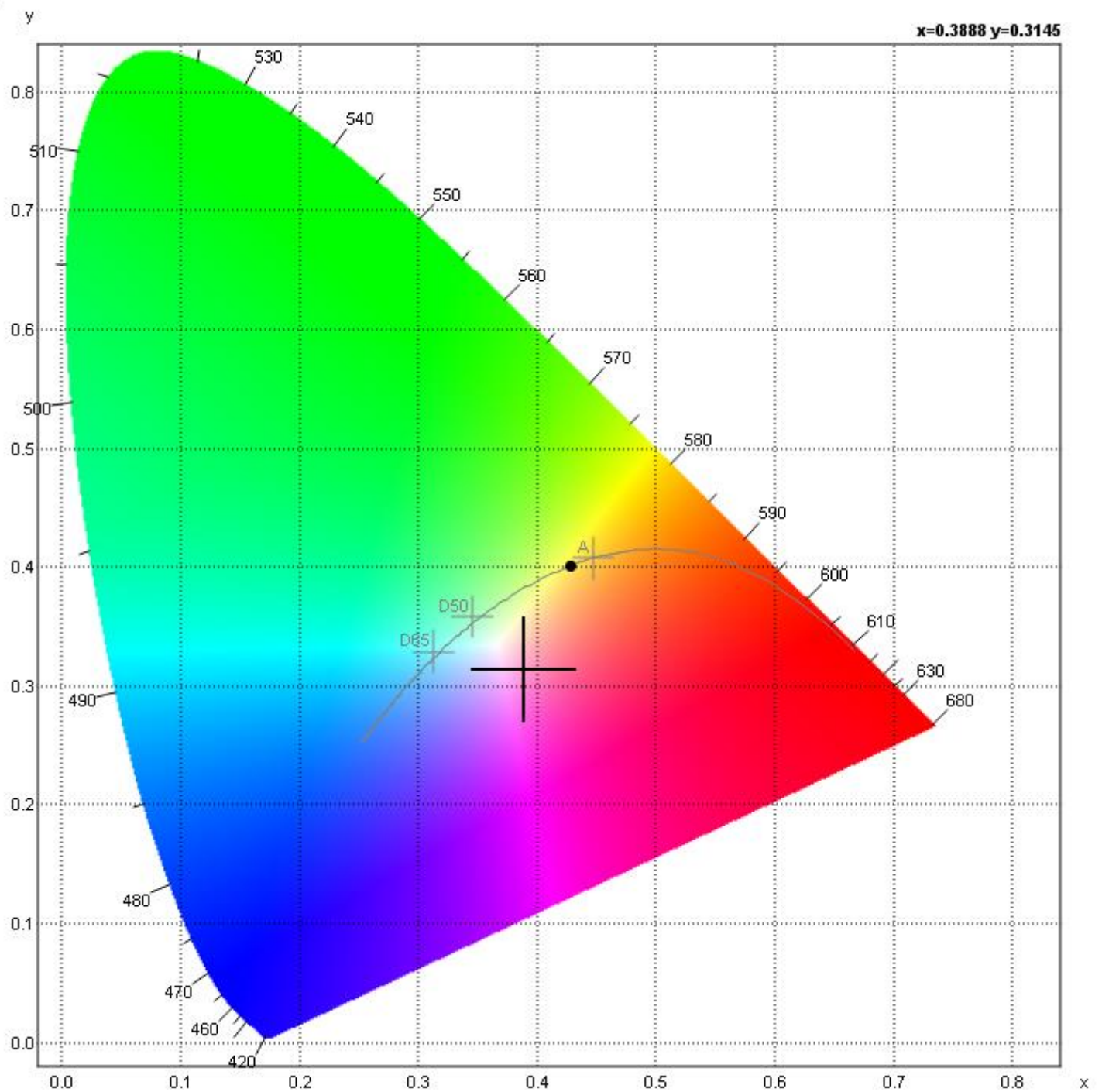
Results

Important Values	
CCT [K]	3129
Light Flux [lm]	1017,27
Delta uv	-0,0338
Ansi Bin	
Color Peak [nm]	629,73
Color Peak Value	43,24
Wavelength Domin. [nm]	699,0
Radiometric [W]	4,4098
Luminous Efficacy [lm/W]	59,5987
Power [W]	17,0686
Current [A]	0.7122
Voltage [V]	23.966
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	22.2

Rendering Indices	
Ra	61,7
Rf	78
Rg	114
R1	52,7
R2	62,2
R3	76,9
R4	60,8
R5	47,7
R6	39,9
R7	91,5
R8	62,4
R9	0,9
R10	16,8
R11	41,2
R12	5,0
R13	50,5
R14	89,7

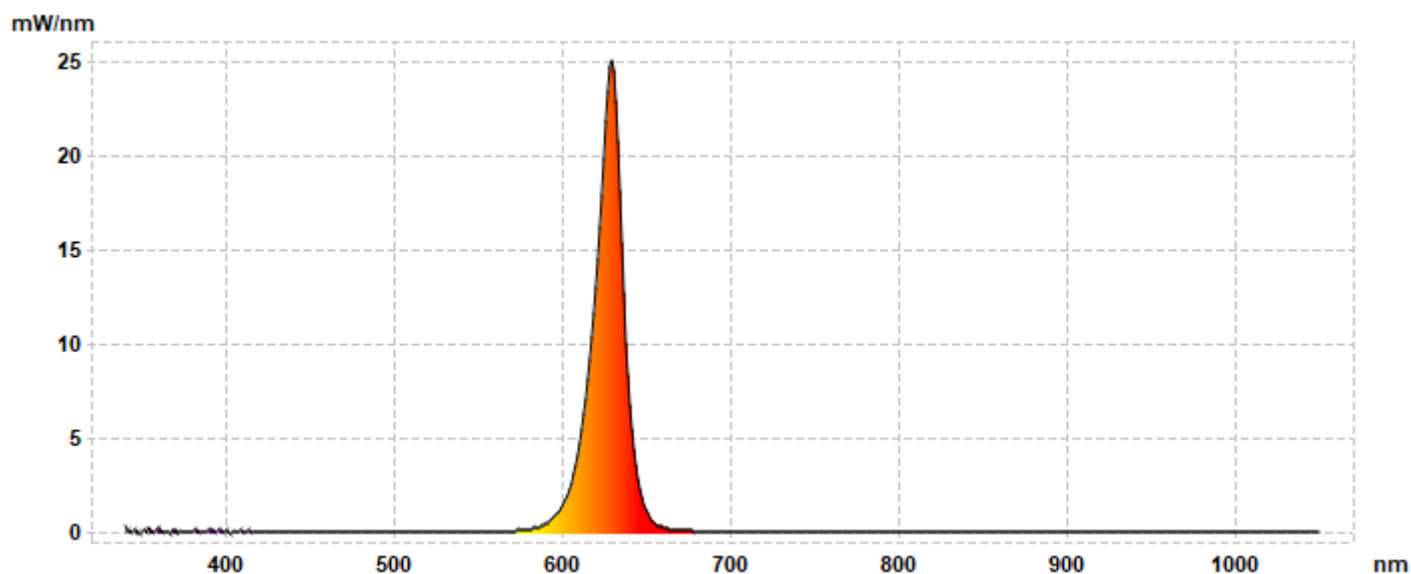
CIE 1931	
x	0,3888
y	0,3145
u'	0,2593
v'	0,4720
L	100,00
a	45,76
b	9,34
X	1257,41
Z	959,65

CIE 1931



Measuring Report

Spectrum



Measurement name: FS-86-RGBUWW - LED2835 - Sample:120719 - Red
 Measurement time: 2019-07-16 14:47:49
 Report time: 2019-09-10 09:58:12
 Signal Level: 70.625
 Device: GLX10t 1104N041
 Item No: FS-86-RGBUWW - Red
 Made by: AUTLED GmbH
 Note:

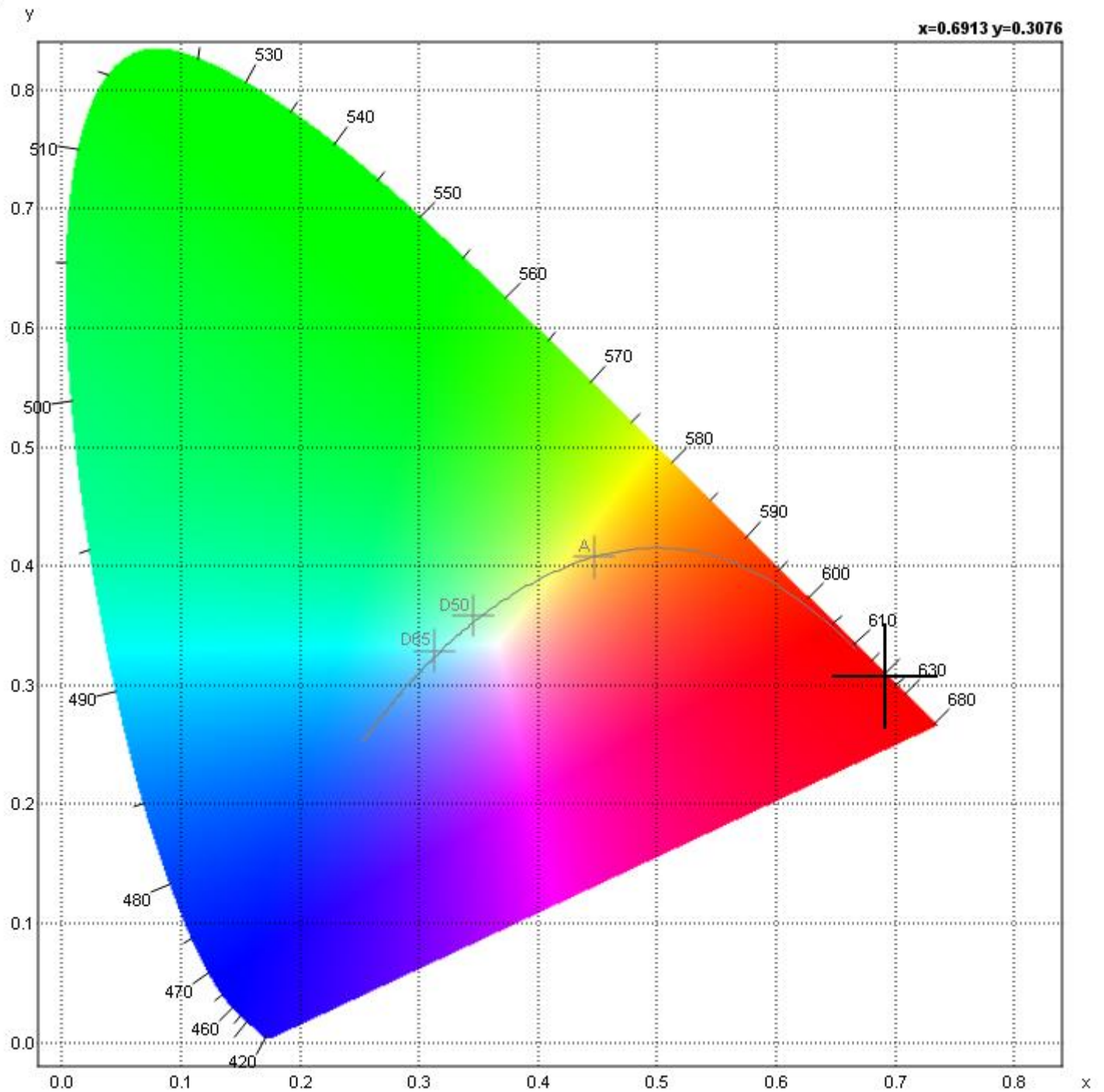
Results

Important Values	
CCT [K]	-
Light Flux [lm]	111,05
Delta uv	nan
Ansi Bin	
Color Peak [nm]	629,73
Color Peak Value	25,19
Wavelength Domin. [nm]	620,4
Radiometric [W]	0,5236
Luminous Efficacy [lm/W]	35,5808
Power [W]	3,12102
Current [A]	0.1302
Voltage [V]	23.971
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.7

Rendering Indices	
Ra	-13,9
Rf	5
Rg	-
R1	-69,5
R2	-2,2
R3	55,0
R4	-43,1
R5	-47,5
R6	-42,0
R7	50,1
R8	-12,4
R9	-100,0
R10	-78,9
R11	-100,0
R12	-75,3
R13	-74,7
R14	67,9

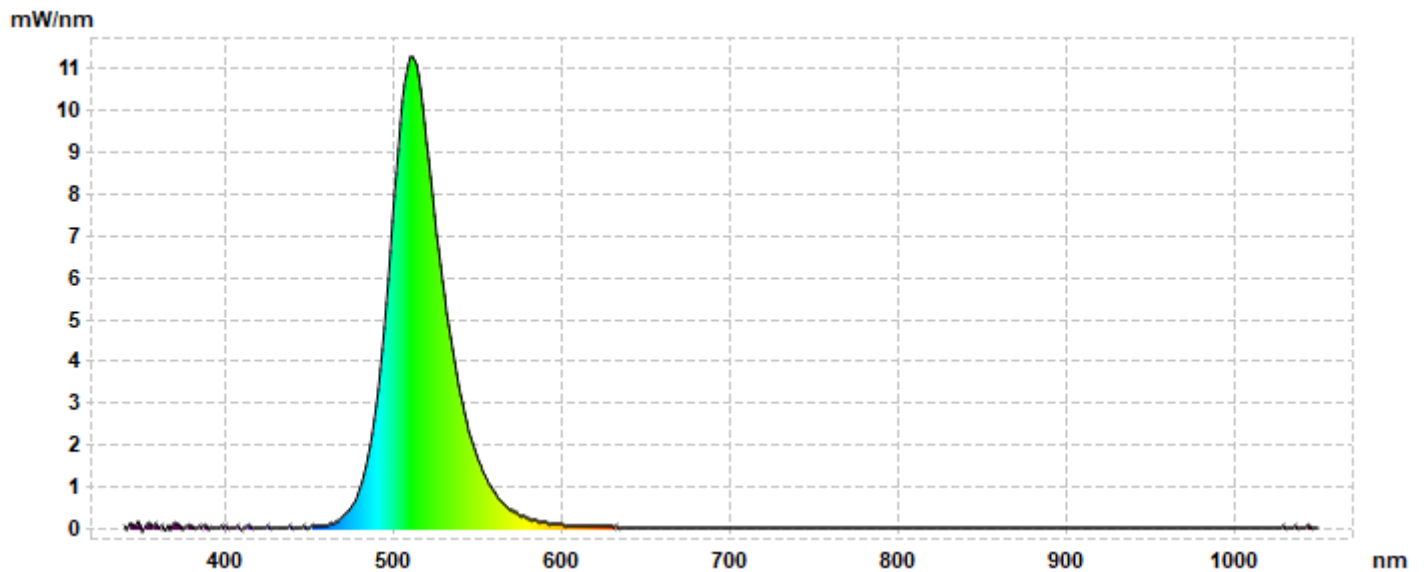
CIE 1931	
x	0,6913
y	0,3076
u'	0,5209
v'	0,5215
L	100,00
a	166,10
b	170,84
X	249,55
Z	0,37

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBUWW - LED2835 - Sample:120719 - Green*
 Measurement time: *2019-07-16 14:48:28*
 Report time: *2019-09-10 09:59:14*
 Signal Level: *72.699*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBUWW - Green*
 Made by: *AUTLED GmbH*
 Note:

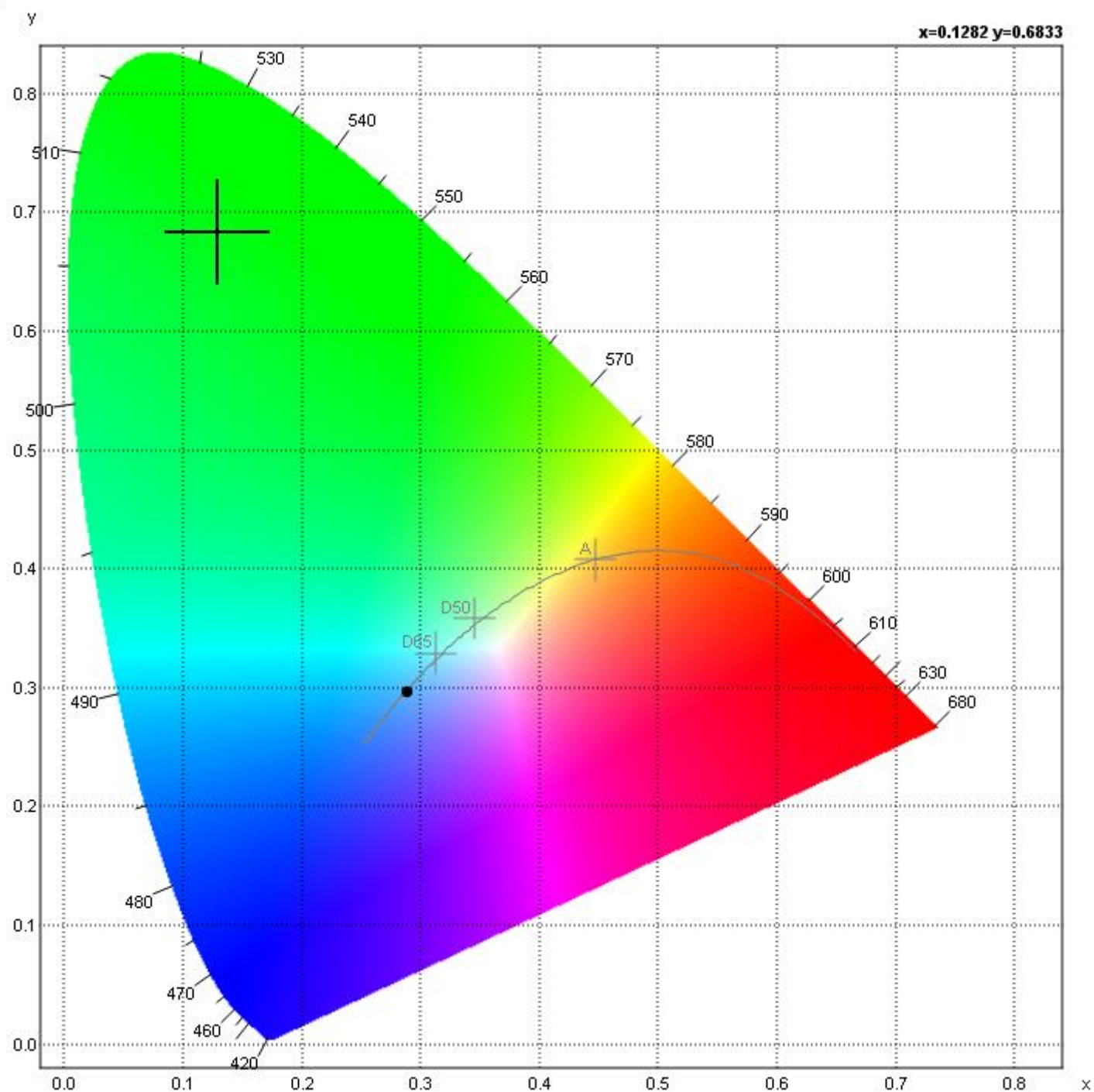
Results

Important Values	
CCT [K]	8873
Light Flux [lm]	182,28
Delta uv	0,1647
Ansi Bin	
Color Peak [nm]	511,58
Color Peak Value	11,36
Wavelength Domin. [nm]	516,3
Radiometric [W]	0,4475
Luminous Efficacy [lm/W]	63,3614
Power [W]	2,87688
Current [A]	0.1201
Voltage [V]	23.954
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.7

Rendering Indices	
Ra	-22,8
Rf	1
Rg	9
R1	-33,2
R2	-6,0
R3	-22,7
R4	-61,9
R5	-6,8
R6	-15,8
R7	-6,8
R8	-29,1
R9	-100,0
R10	-100,0
R11	-87,2
R12	-27,8
R13	-39,9
R14	38,6

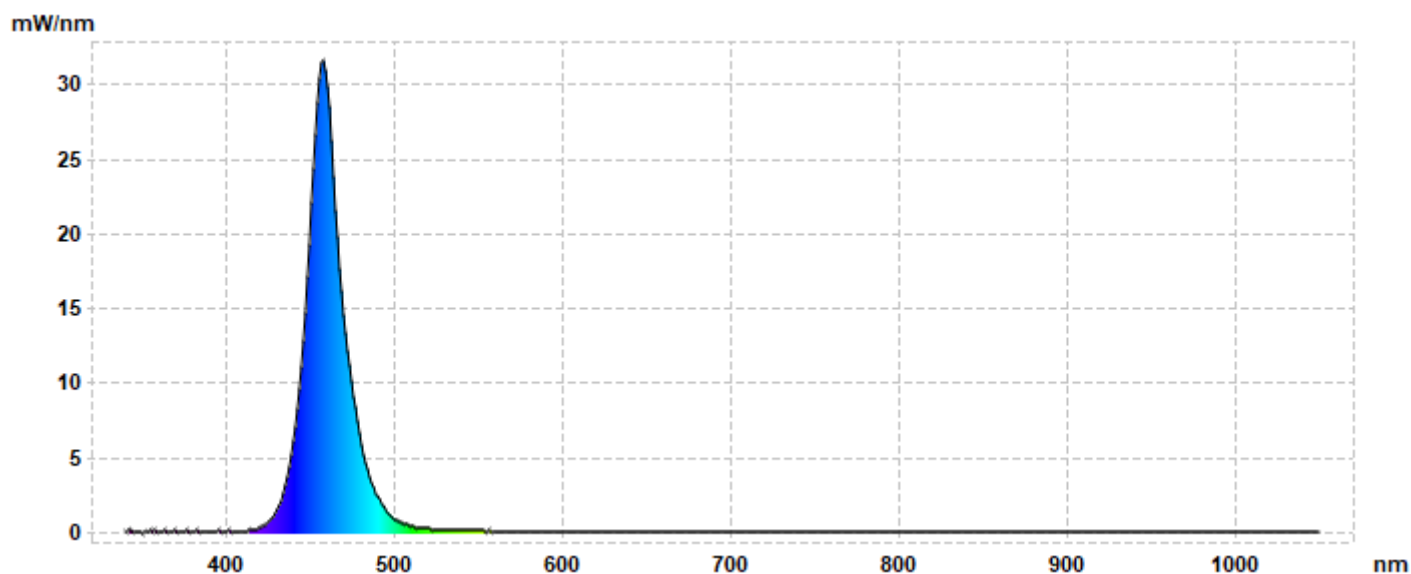
CIE 1931	
x	0,1282
y	0,6833
u'	0,0469
v'	0,5620
L	100,00
a	-208,85
b	73,45
X	34,21
Z	50,28

CIE 1931



Measuring Report

Spectrum



Measurement name: FS-86-RGBUWW - LED2835 - Sample:120719 - Blue
 Measurement time: 2019-07-16 14:49:02
 Report time: 2019-09-10 09:59:35
 Signal Level: 71.080
 Device: GLX10t 1104N041
 Item No: FS-86-RGBUWW - Blue
 Made by: AUTLED GmbH
 Note:

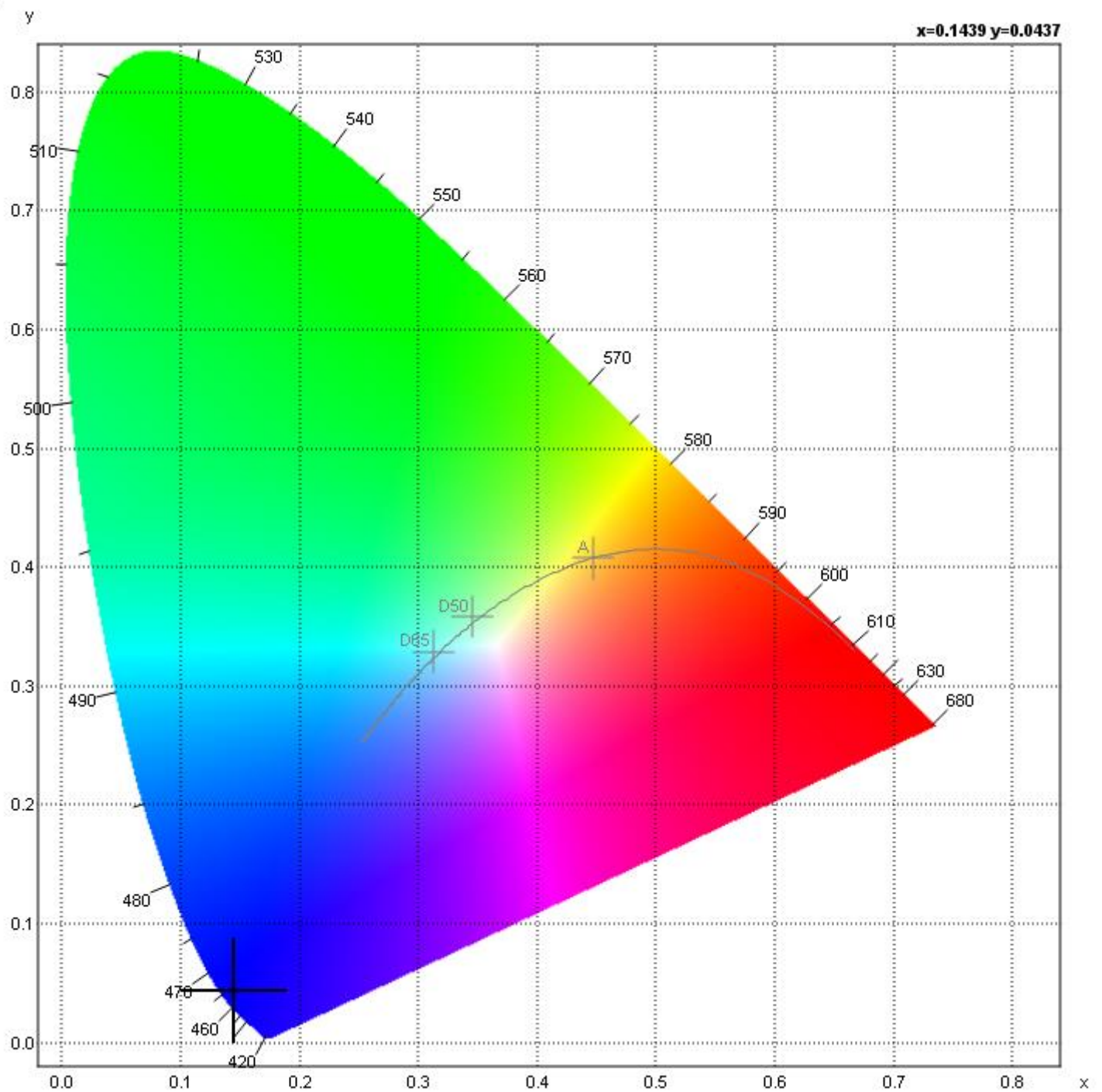
Results

Important Values	
CCT [K]	-
Light Flux [lm]	45,15
Delta uv	nan
Ansi Bin	
Color Peak [nm]	457,19
Color Peak Value	31,83
Wavelength Domin. [nm]	463,2
Radiometric [W]	0,8329
Luminous Efficacy [lm/W]	15,6034
Power [W]	2,89366
Current [A]	0.1207
Voltage [V]	23.974
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.7

Rendering Indices	
Ra	-54,4
Rf	0
Rg	70
R1	-50,6
R2	4,4
R3	-96,3
R4	-100,0
R5	-36,4
R6	-33,6
R7	-33,7
R8	-88,8
R9	-100,0
R10	-100,0
R11	-100,0
R12	-100,0
R13	-33,0
R14	-7,3

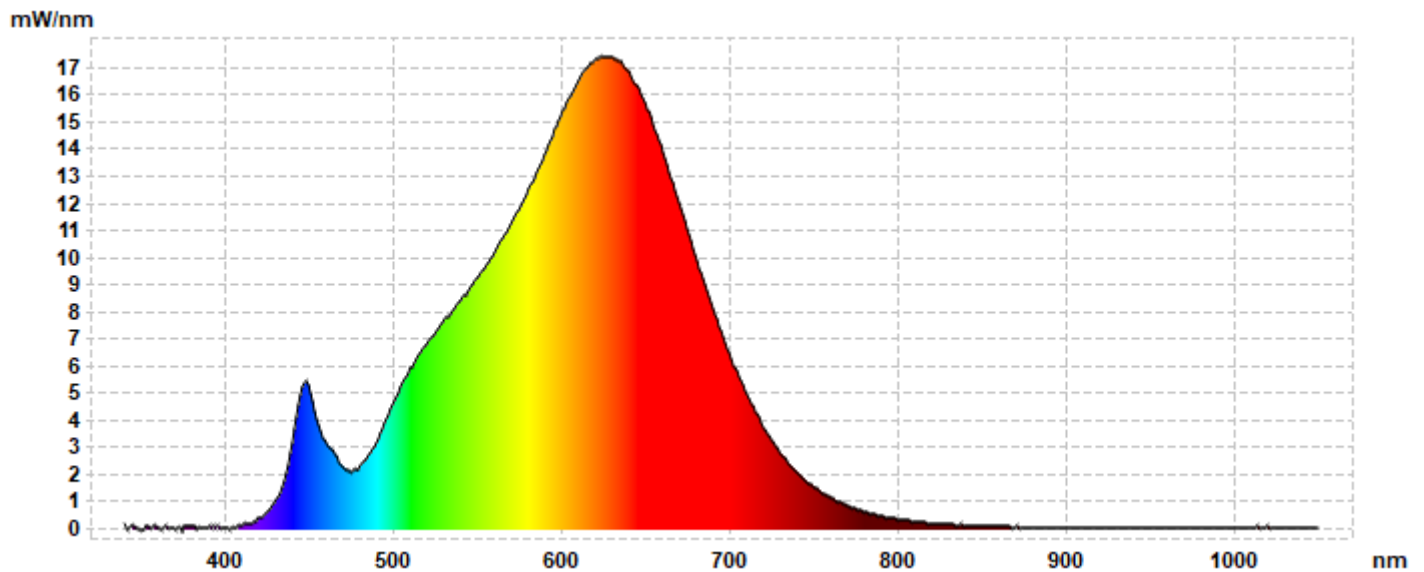
CIE 1931	
x	0,1439
y	0,0437
u'	0,1779
v'	0,1214
L	100,00
a	256,88
b	-315,15
X	148,86
Z	840,12

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBUWW - LED2835 - Sample:120719 - UWW*
 Measurement time: *2019-07-16 14:51:59*
 Report time: *2019-09-10 10:00:01*
 Signal Level: *69.740*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBUWW - UWW*
 Made by: *AUTLED GmbH*
 Note:

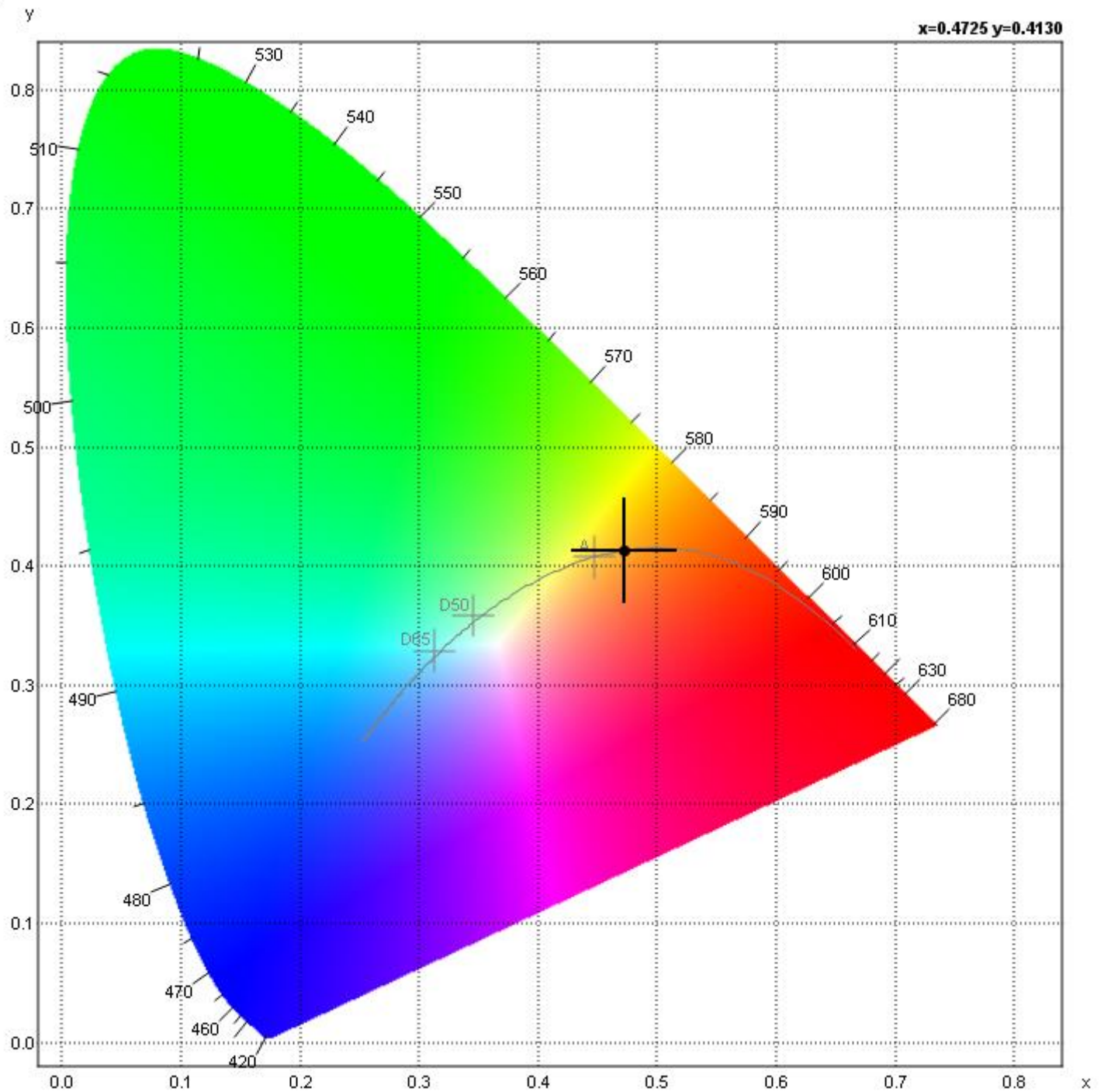
Results

Important Values	
CCT [K]	2551
Light Flux [lm]	760,17
Delta uv	-0,0000
Ansi Bin	
Color Peak [nm]	629,73
Color Peak Value	17,51
Wavelength Domin. [nm]	585,0
Radiometric [W]	2,7818
Luminous Efficacy [lm/W]	89,7562
Power [W]	8,46923
Current [A]	0.3534
Voltage [V]	23.965
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.7

Rendering Indices	
Ra	92,2
Rf	90
Rg	101
R1	92,2
R2	95,3
R3	97,2
R4	92,8
R5	91,9
R6	95,1
R7	91,8
R8	81,1
R9	58,7
R10	88,6
R11	94,0
R12	85,4
R13	92,9
R14	97,5

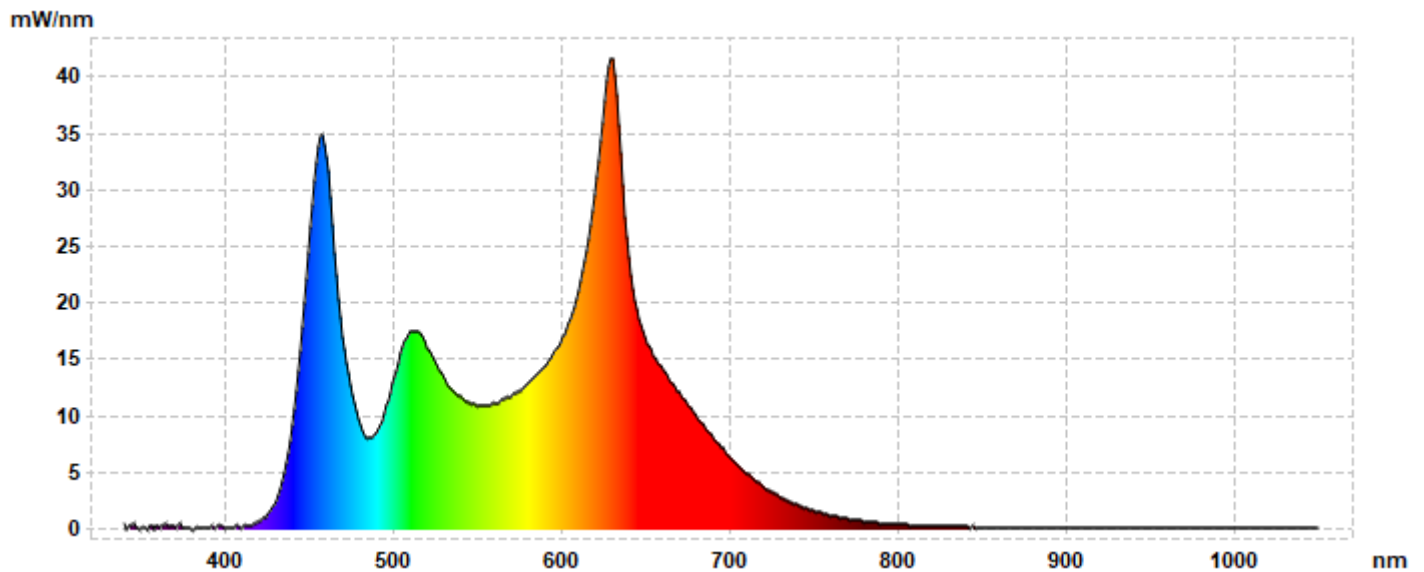
CIE 1931	
x	0,4725
y	0,4130
u'	0,2696
v'	0,5302
L	100,00
a	31,86
b	73,22
X	869,62
Z	210,81

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBUWW - LED2835 - Sample:120719 - 100%Mix*
 Measurement time: *2019-07-16 14:52:15*
 Report time: *2019-09-10 10:01:15*
 Signal Level: *70.117*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBUWW - 100%Mix*
 Made by: *AUTLED GmbH*
 Note:

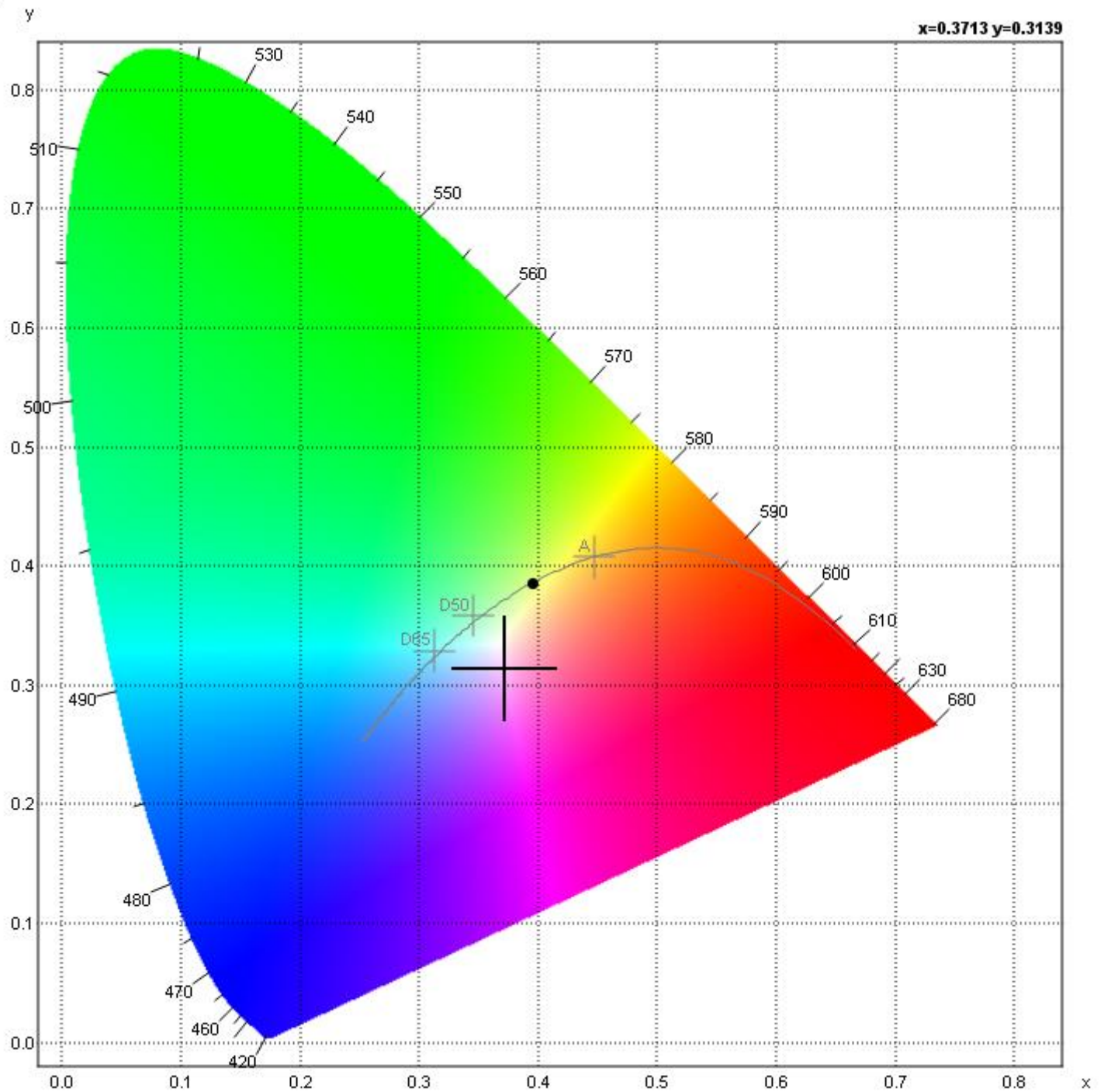
Results

Important Values	
CCT [K]	3690
Light Flux [lm]	1090,08
Delta uv	-0,0299
Ansi Bin	
Color Peak [nm]	629,73
Color Peak Value	41,97
Wavelength Domin. [nm]	699,0
Radiometric [W]	4,5474
Luminous Efficacy [lm/W]	63,3965
Power [W]	17,1946
Current [A]	0.7174
Voltage [V]	23.968
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.7

Rendering Indices	
Ra	66,1
Rf	80
Rg	113
R1	55,3
R2	67,9
R3	86,3
R4	62,2
R5	54,0
R6	52,2
R7	92,5
R8	58,1
R9	-7,8
R10	30,8
R11	46,0
R12	31,7
R13	55,2
R14	93,9

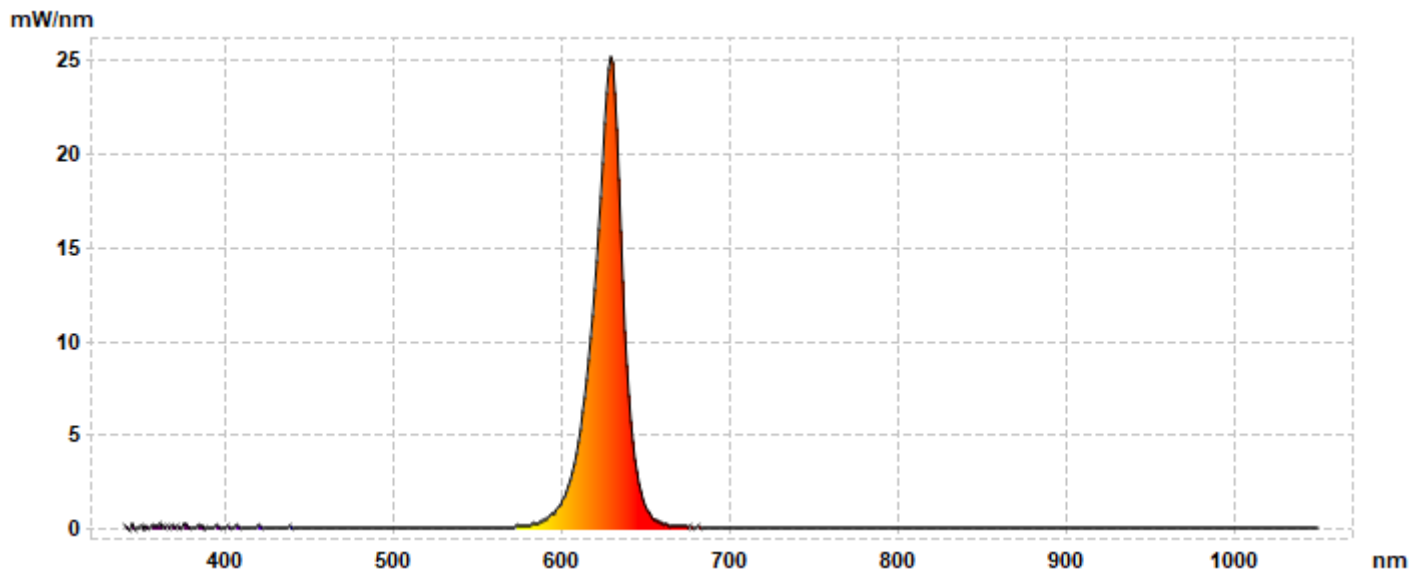
CIE 1931	
x	0,3713
y	0,3139
u'	0,2465
v'	0,4690
L	100,00
a	37,82
b	5,41
X	1289,40
Z	1093,13

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBWW - LED2835 - Sample:120719 - Red*
 Measurement time: *2019-07-16 15:14:58*
 Report time: *2019-09-10 10:07:02*
 Signal Level: *69.927*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBWW - Red*
 Made by: *AUTLED GmbH*
 Note:

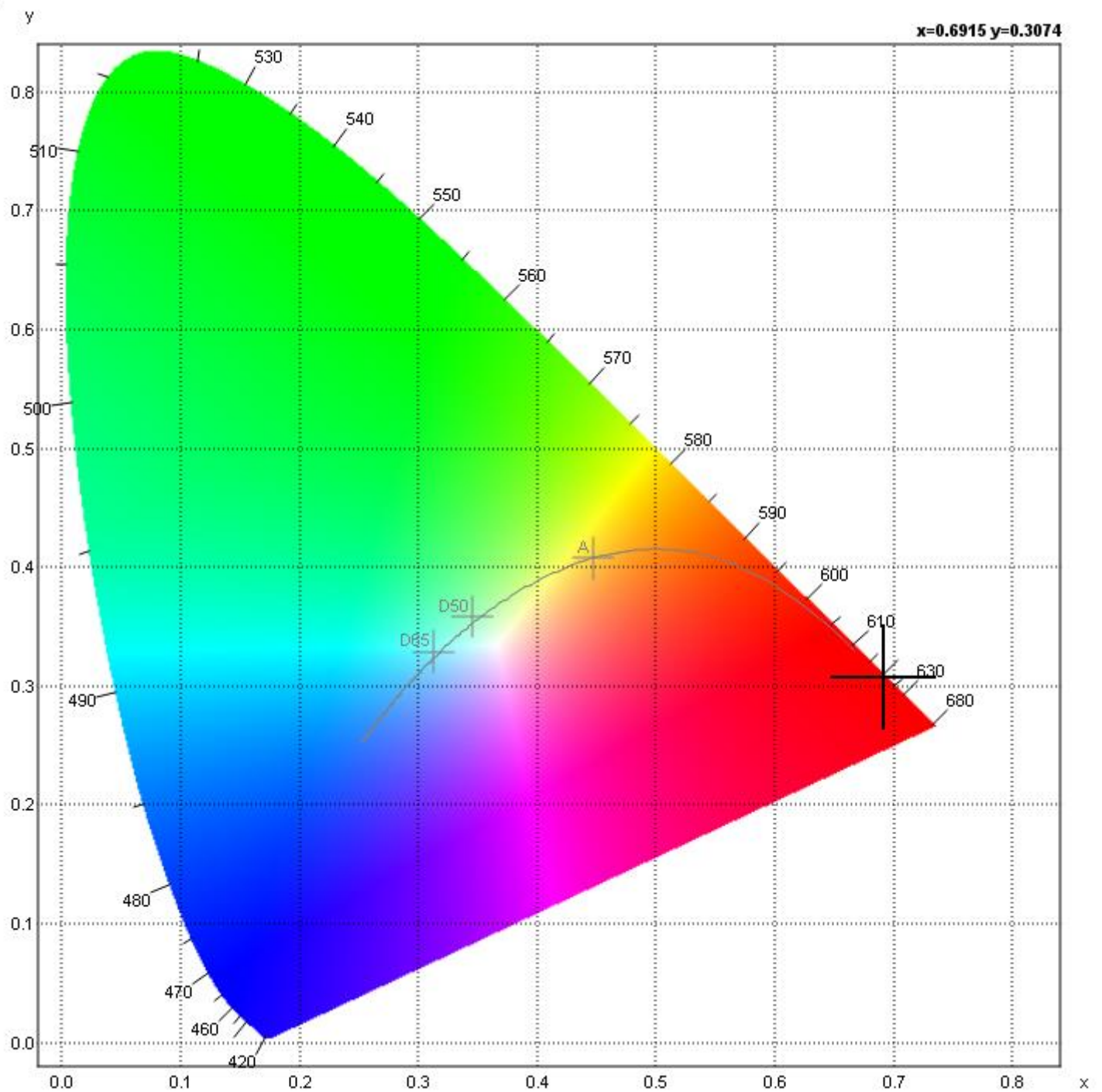
Results

Important Values	
CCT [K]	-
Light Flux [lm]	110,85
Delta uv	nan
Ansi Bin	
Color Peak [nm]	629,73
Color Peak Value	25,27
Wavelength Domin. [nm]	620,5
Radiometric [W]	0,5282
Luminous Efficacy [lm/W]	35,4680
Power [W]	3,12543
Current [A]	0.1304
Voltage [V]	23.968
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.8

Rendering Indices	
Ra	-18,3
Rf	7
Rg	-
R1	-69,0
R2	1,7
R3	47,9
R4	-58,0
R5	-50,6
R6	-38,9
R7	40,3
R8	-19,6
R9	-100,0
R10	-72,6
R11	-100,0
R12	-70,7
R13	-70,3
R14	63,7

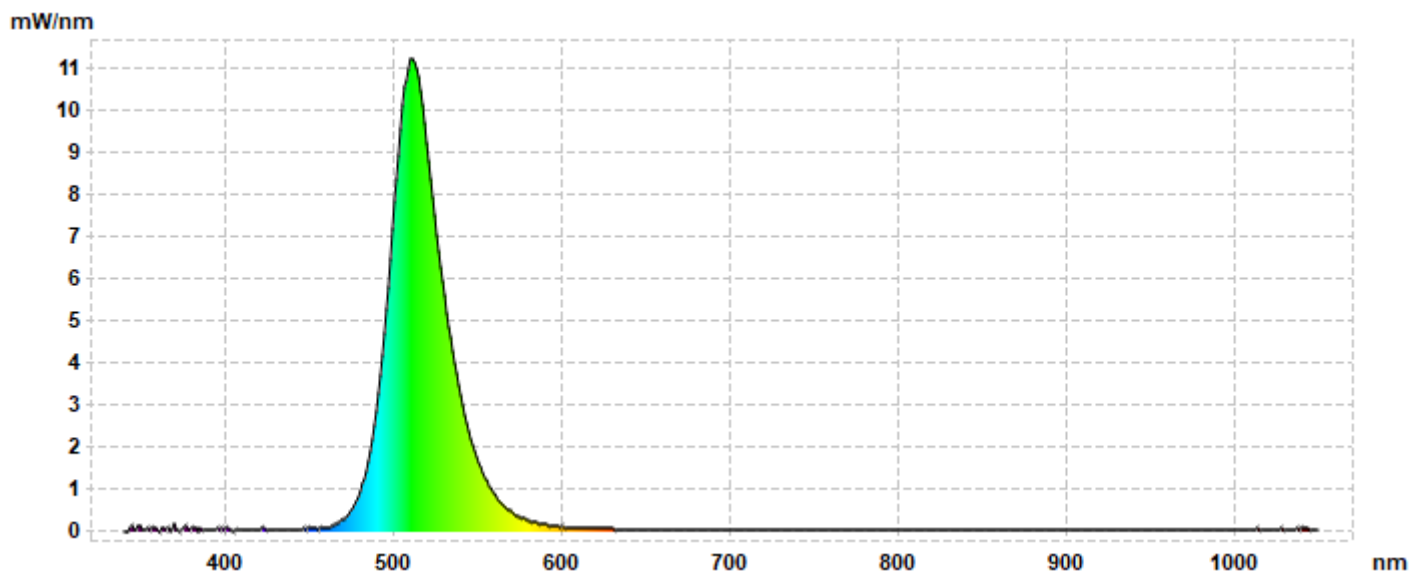
CIE 1931	
x	0,6915
y	0,3074
u'	0,5214
v'	0,5214
L	100,00
a	166,37
b	170,12
X	249,41
Z	0,40

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBWW - LED2835 - Sample:120719 - Green*
 Measurement time: *2019-07-16 15:15:50*
 Report time: *2019-09-10 10:07:20*
 Signal Level: *68.967*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBWW - Green*
 Made by: *AUTLED GmbH*
 Note:

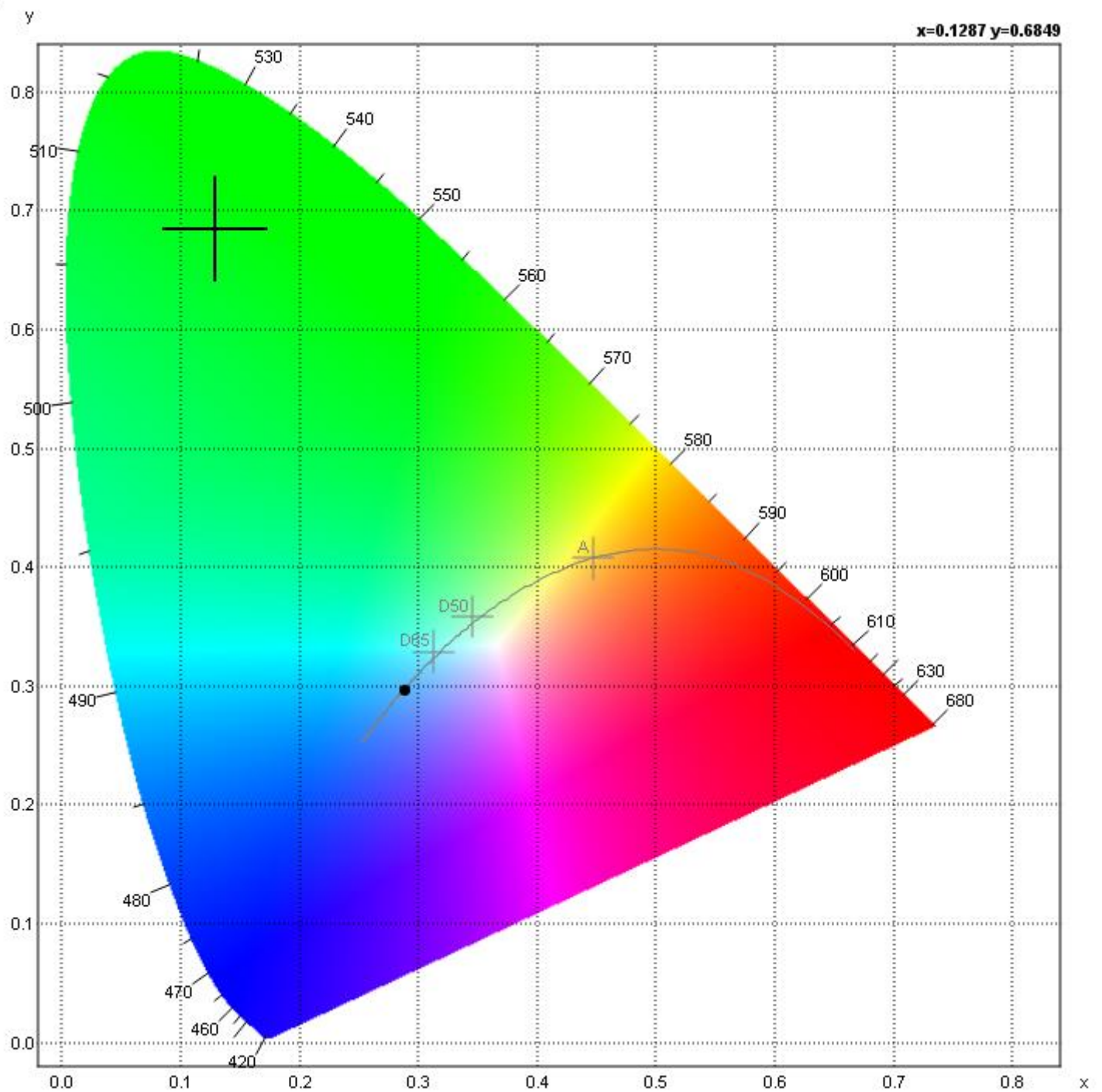
Results

Important Values	
CCT [K]	8851
Light Flux [lm]	181,60
Delta uv	0,1647
Ansi Bin	
Color Peak [nm]	511,58
Color Peak Value	11,39
Wavelength Domin. [nm]	516,5
Radiometric [W]	0,4435
Luminous Efficacy [lm/W]	64,0930
Power [W]	2,83337
Current [A]	0.1182
Voltage [V]	23.971
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.8

Rendering Indices	
Ra	-22,8
Rf	1
Rg	9
R1	-33,3
R2	-6,1
R3	-22,8
R4	-61,9
R5	-6,9
R6	-15,8
R7	-6,7
R8	-29,1
R9	-100,0
R10	-100,0
R11	-87,4
R12	-28,1
R13	-40,0
R14	38,6

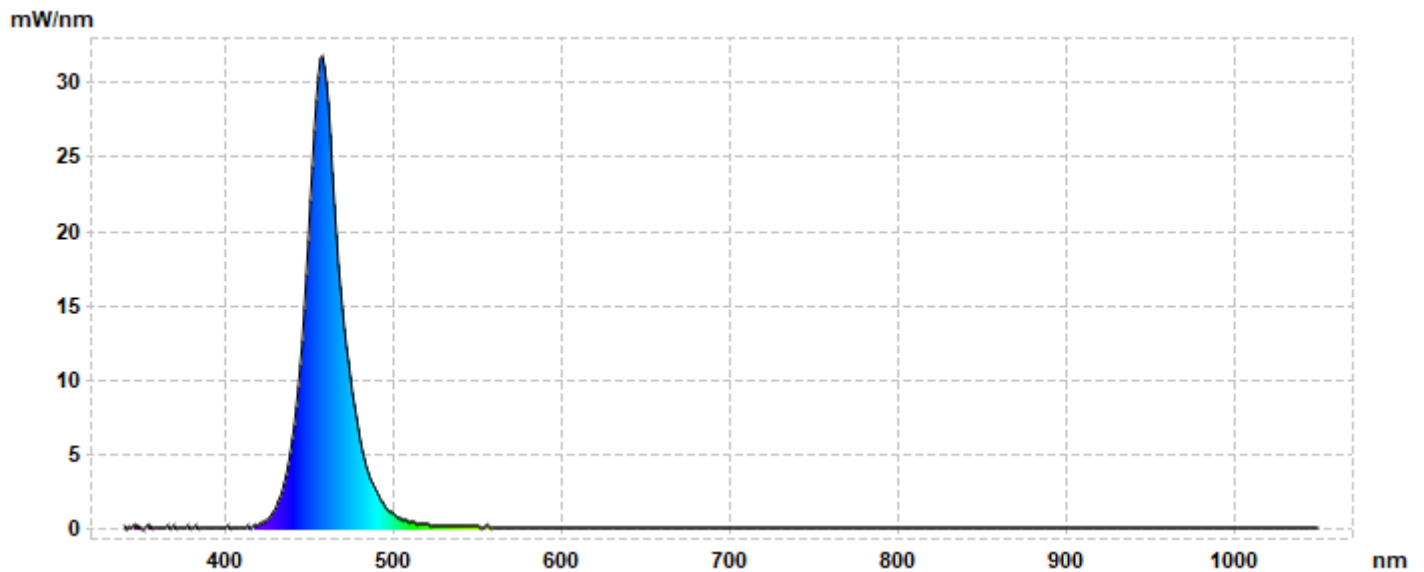
CIE 1931	
x	0,1287
y	0,6849
u'	0,0470
v'	0,5623
L	100,00
a	-208,69
b	74,01
X	34,14
Z	49,43

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBWW - LED2835 - Sample:120719 - Blue*
 Measurement time: *2019-07-16 15:16:13*
 Report time: *2019-09-10 10:07:42*
 Signal Level: *71.626*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBWW - Blue*
 Made by: *AUTLED GmbH*
 Note:

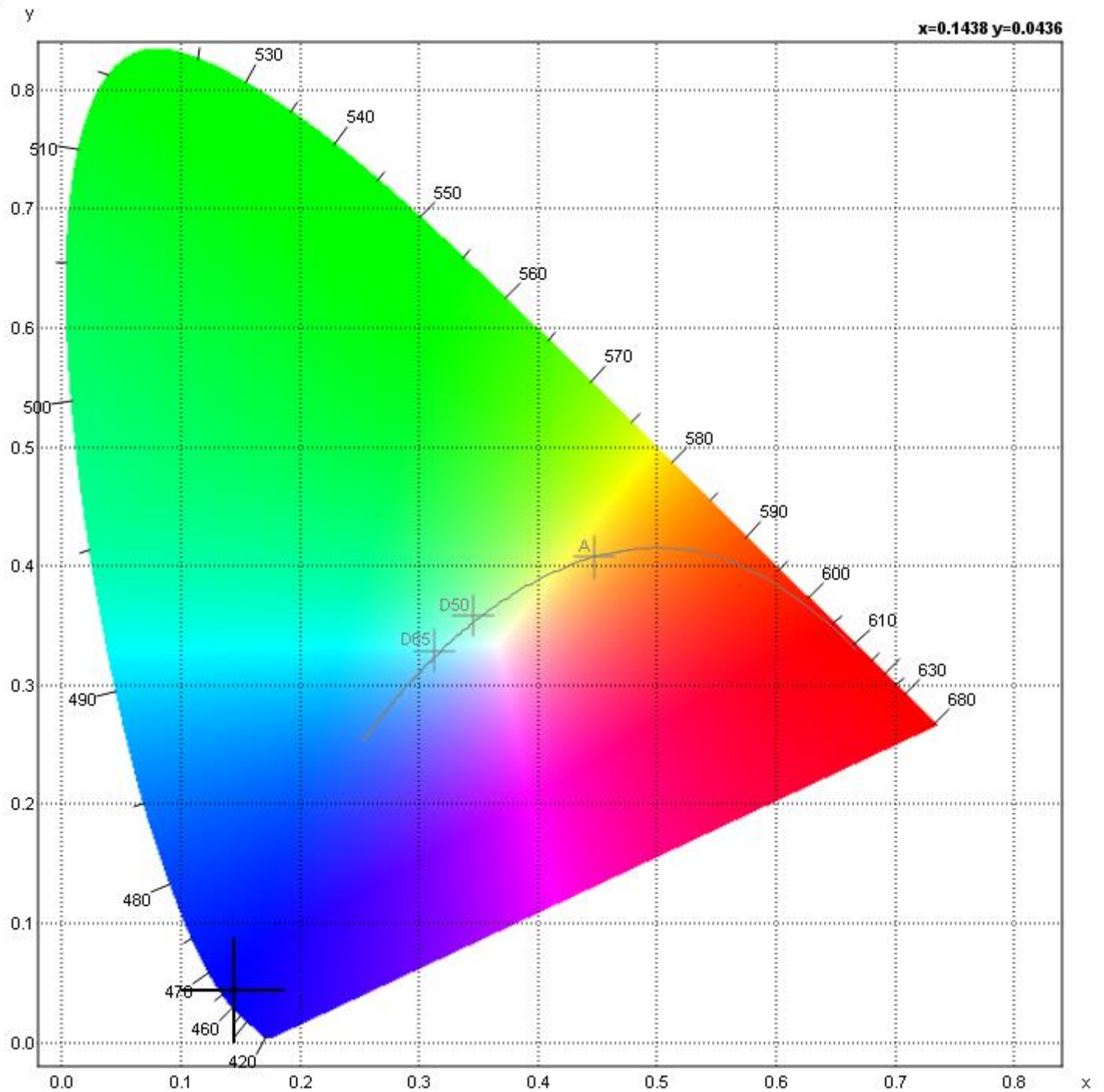
Results

Important Values	
CCT [K]	-
Light Flux [lm]	45,09
Delta uv	nan
Ansi Bin	
Color Peak [nm]	457,19
Color Peak Value	32,08
Wavelength Domin. [nm]	463,2
Radiometric [W]	0,8324
Luminous Efficacy [lm/W]	15,6220
Power [W]	2,88635
Current [A]	0.1204
Voltage [V]	23.973
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.8

Rendering Indices	
Ra	-54,5
Rf	0
Rg	69
R1	-51,2
R2	3,9
R3	-95,6
R4	-100,0
R5	-36,9
R6	-34,2
R7	-33,4
R8	-88,6
R9	-100,0
R10	-100,0
R11	-100,0
R12	-100,0
R13	-33,9
R14	-7,0

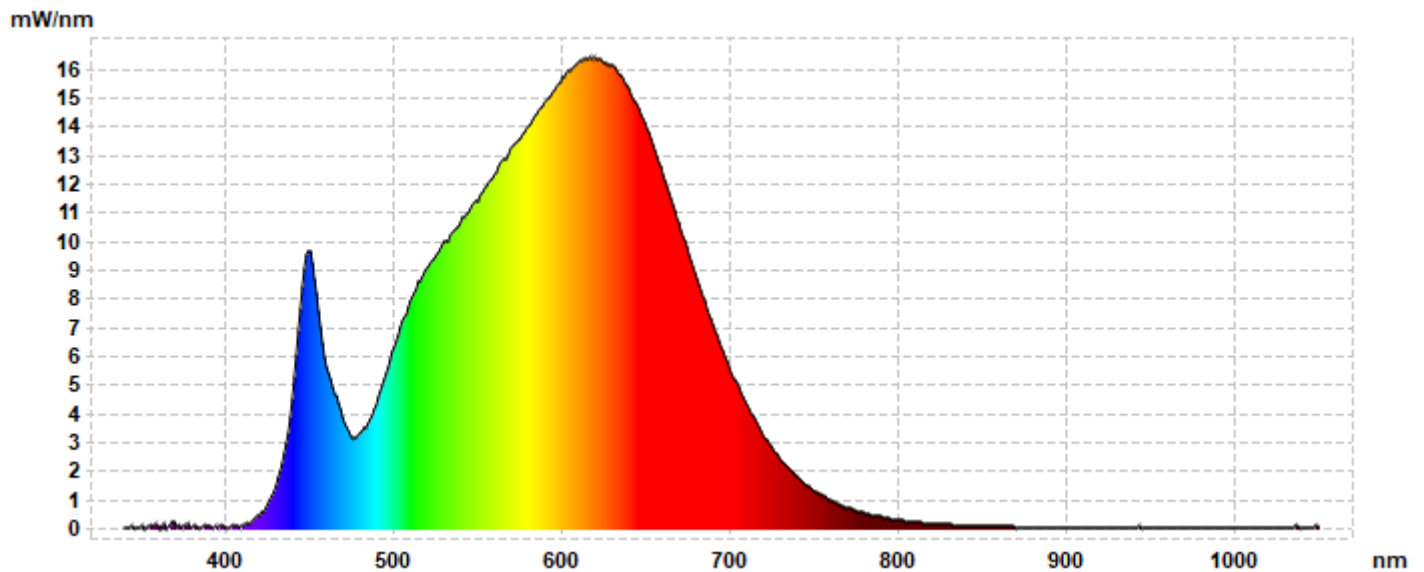
CIE 1931	
x	0,1438
y	0,0436
u'	0,1778
v'	0,1213
L	100,00
a	257,04
b	-315,43
X	148,76
Z	840,34

CIE 1931



Measuring Report

Spectrum



Measurement name: FS-86-RGBWW - LED2835 - Sample:120719 - WW
 Measurement time: 2019-07-16 15:18:07
 Report time: 2019-09-10 10:07:57
 Signal Level: 68.581
 Device: GLX10t 1104N041
 Item No: FS-86-RGBWW - WW
 Made by: AUTLED GmbH
 Note:

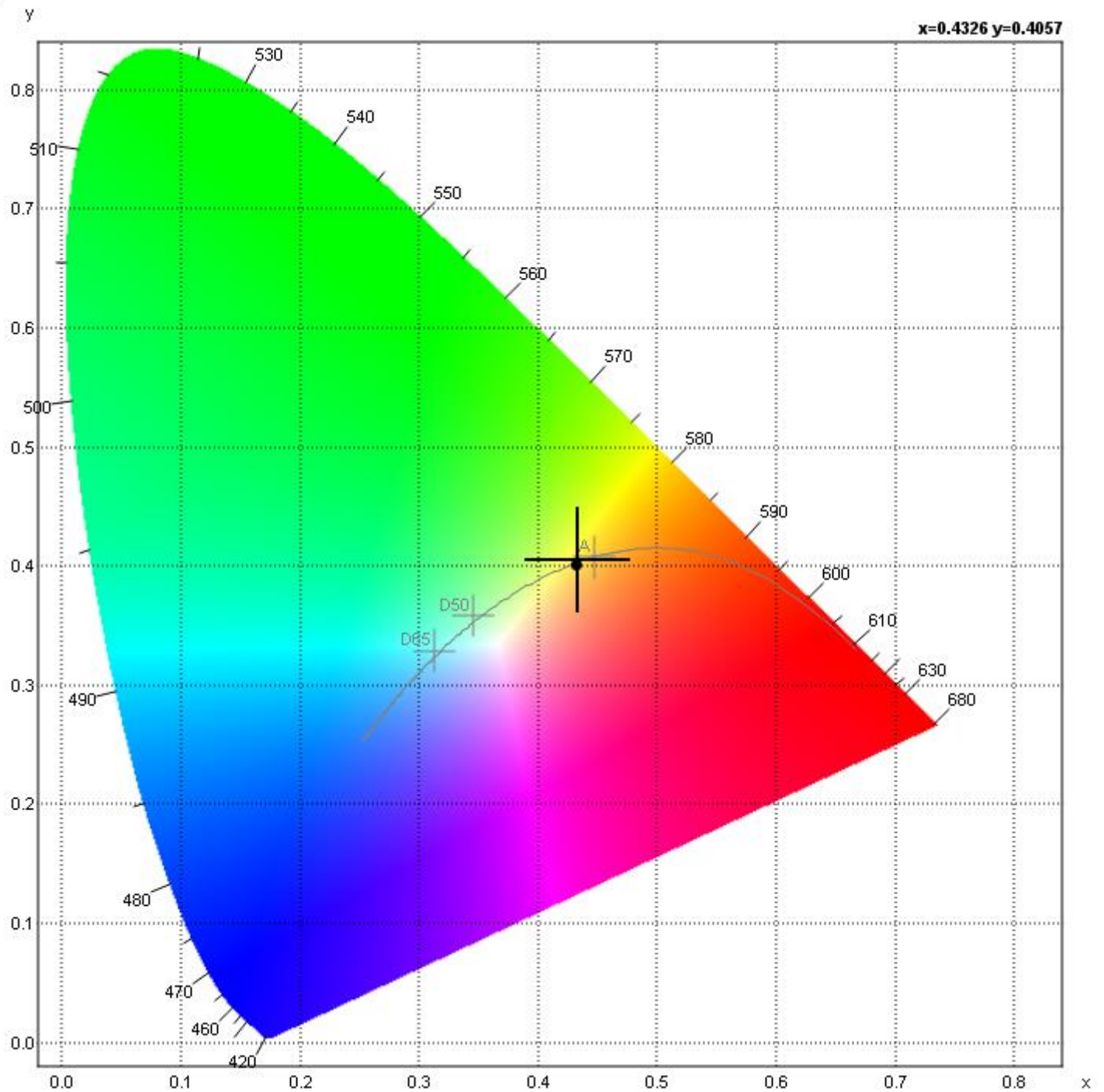
Results

Important Values	
CCT [K]	3087
Light Flux [lm]	865,19
Delta uv	0,0012
Ansi Bin	7B4
Color Peak [nm]	619,58
Color Peak Value	16,52
Wavelength Domin. [nm]	582,0
Radiometric [W]	2,9677
Luminous Efficacy [lm/W]	100,7222
Power [W]	8,58988
Current [A]	0.3583
Voltage [V]	23.974
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.8

Rendering Indices	
Ra	90,2
Rf	89
Rg	100
R1	89,9
R2	92,9
R3	94,9
R4	90,8
R5	89,1
R6	90,5
R7	92,7
R8	80,9
R9	54,1
R10	82,8
R11	90,6
R12	74,0
R13	90,3
R14	96,6

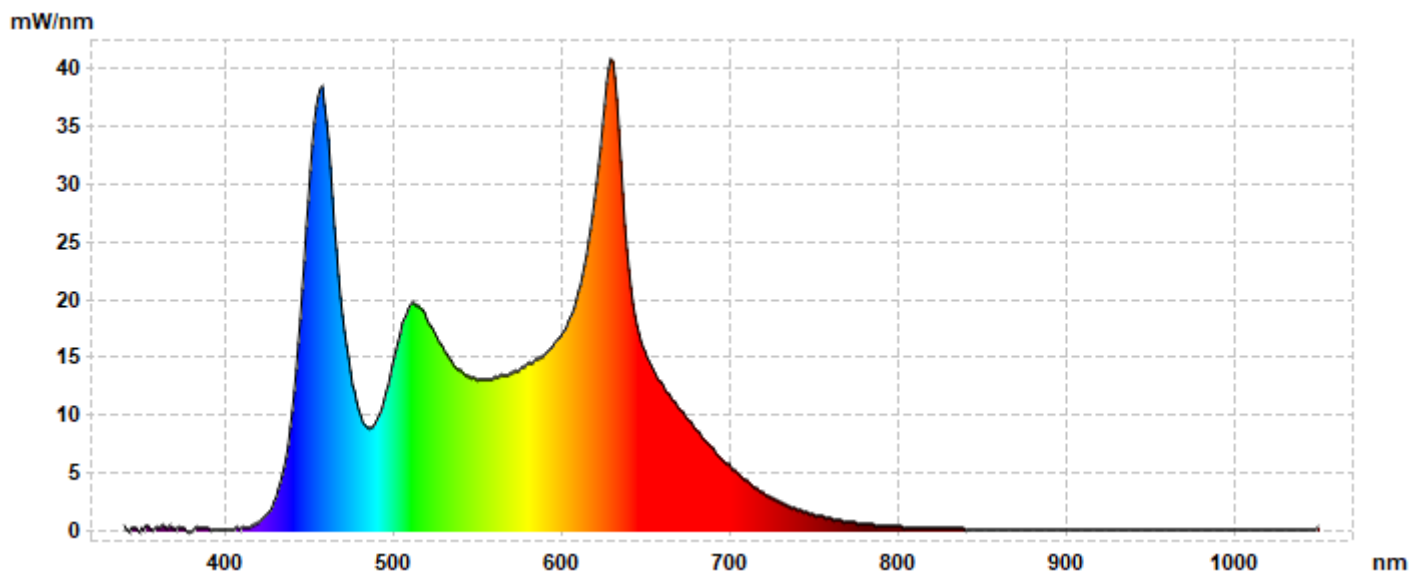
CIE 1931	
x	0,4326
y	0,4057
u'	0,2471
v'	0,5214
L	100,00
a	19,53
b	56,94
X	922,51
Z	344,78

CIE 1931



Measuring Report

Spectrum



Measurement name: FS-86-RGBWW - LED2835 - Sample:120719 - 100%Mix
 Measurement time: 2019-07-16 15:22:52
 Report time: 2019-09-10 10:08:21
 Signal Level: 69.694
 Device: GLX10t 1104N041
 Item No: FS-86-RGBWW - 100%Mix
 Made by: AUTLED GmbH
 Note:

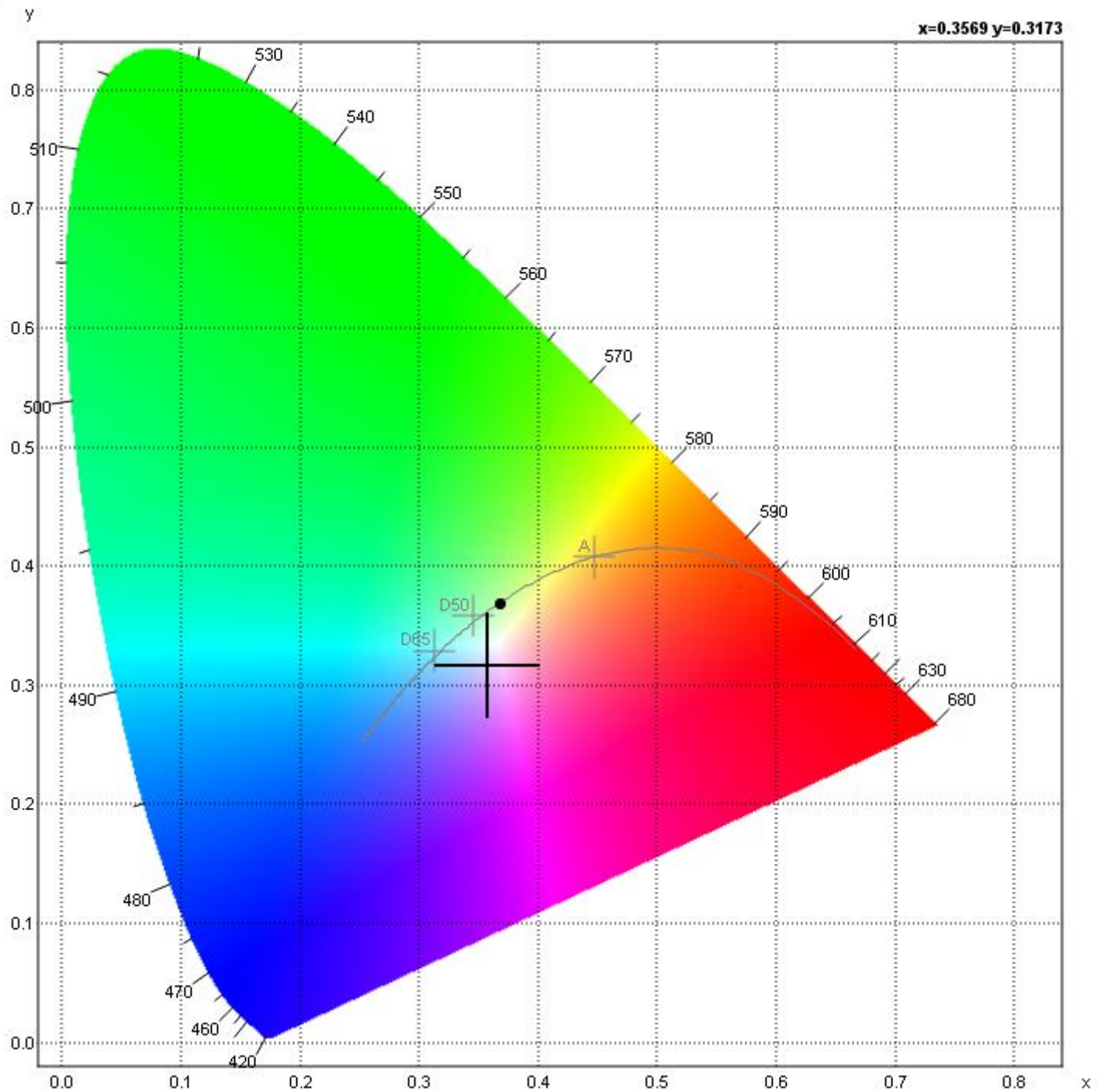
Results

Important Values	
CCT [K]	4308
Light Flux [lm]	1190,58
Delta uv	-0,0232
Ansi Bin	
Color Peak [nm]	629,73
Color Peak Value	41,00
Wavelength Domin. [nm]	699,0
Radiometric [W]	4,7212
Luminous Efficacy [lm/W]	69,3275
Power [W]	17,1733
Current [A]	0.7163
Voltage [V]	23.975
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.8

Rendering Indices	
Ra	72,8
Rf	83
Rg	110
R1	62,5
R2	75,7
R3	93,4
R4	68,3
R5	64,1
R6	65,6
R7	91,7
R8	61,3
R9	-0,7
R10	48,8
R11	55,7
R12	55,5
R13	63,7
R14	95,6

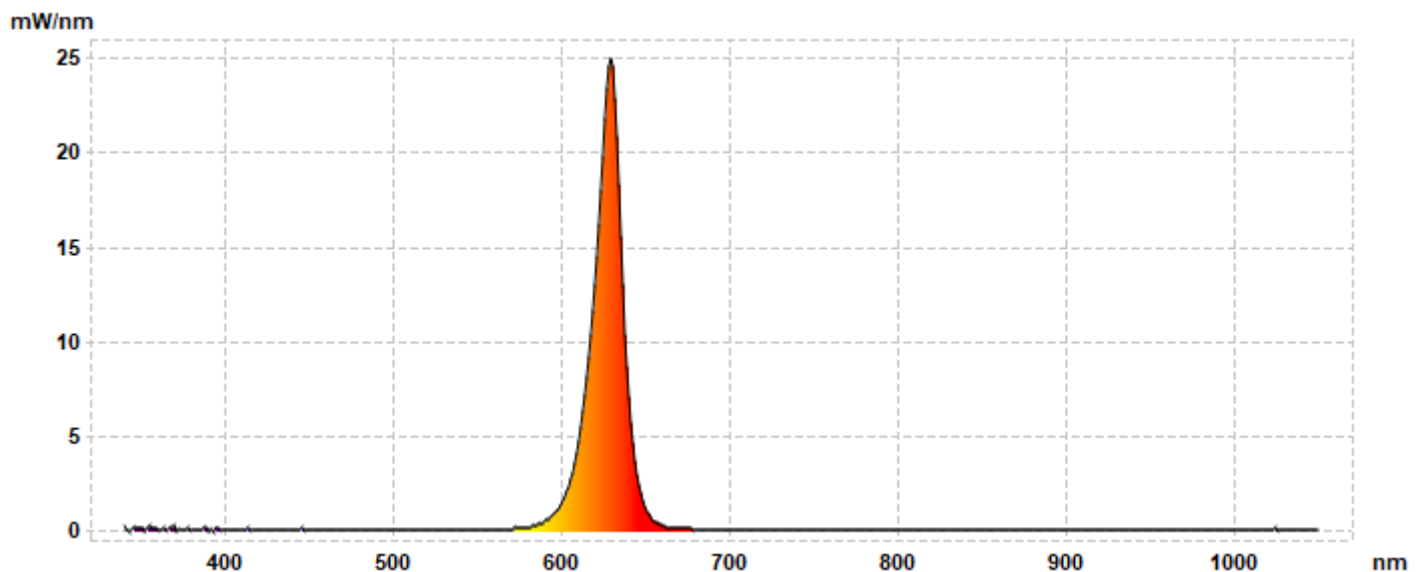
CIE 1931	
x	0,3569
y	0,3173
u'	0,2343
v'	0,4686
L	100,00
a	28,90
b	3,87
X	1339,36
Z	1222,55

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBHW - LED2835 - Sample:120719 - Red*
 Measurement time: *2019-07-16 15:51:48*
 Report time: *2019-09-10 10:10:35*
 Signal Level: *70.015*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBHW - Red*
 Made by: *AUTLED GmbH*
 Note:

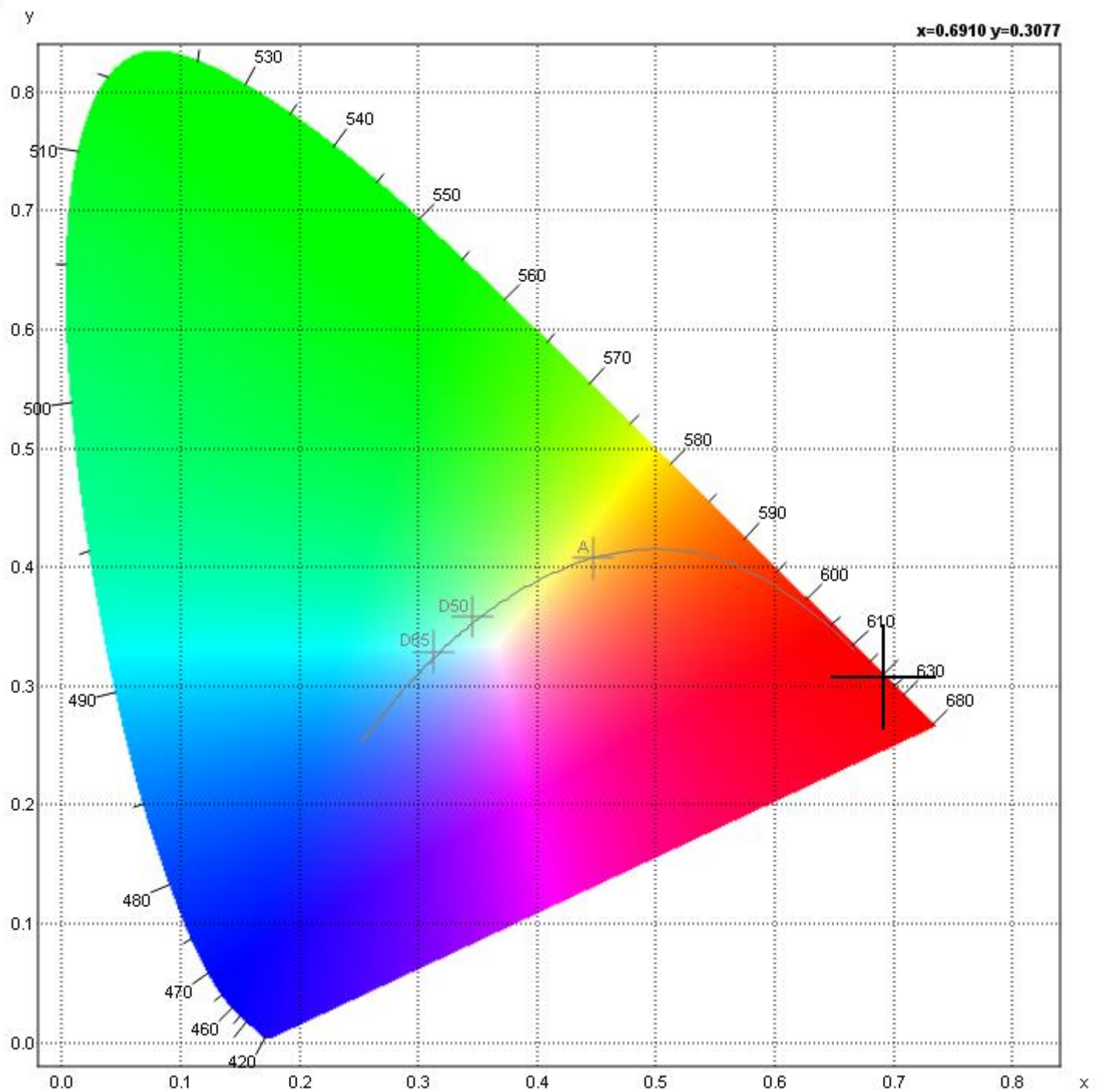
Results

Important Values	
CCT [K]	-
Light Flux [lm]	111,48
Delta uv	nan
Ansi Bin	
Color Peak [nm]	629,73
Color Peak Value	25,15
Wavelength Domin. [nm]	620,4
Radiometric [W]	0,5260
Luminous Efficacy [lm/W]	35,8358
Power [W]	3,11092
Current [A]	0.1298
Voltage [V]	23.967
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.8

Rendering Indices	
Ra	-16,9
Rf	7
Rg	-
R1	-69,6
R2	-0,4
R3	53,4
R4	-49,7
R5	-51,5
R6	-44,9
R7	44,2
R8	-17,0
R9	-100,0
R10	-76,4
R11	-100,0
R12	-72,7
R13	-70,8
R14	66,1

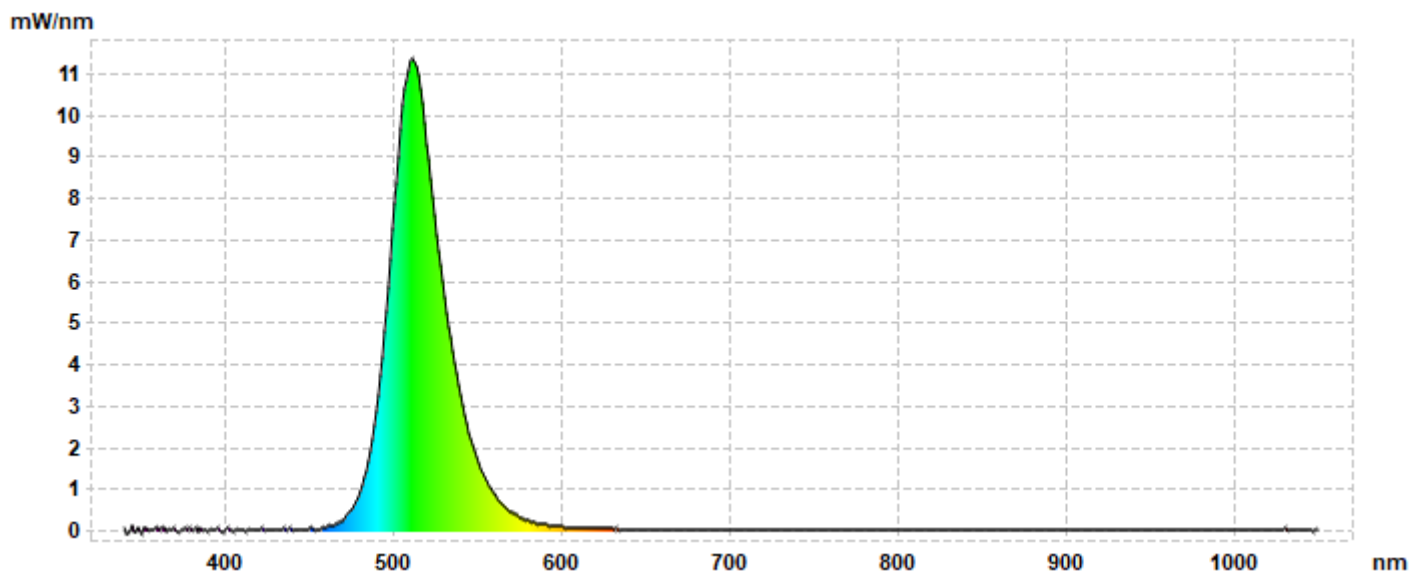
CIE 1931	
x	0,6910
y	0,3077
u'	0,5205
v'	0,5215
L	100,00
a	165,93
b	168,89
X	250,34
Z	0,46

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBHW - LED2835 - Sample:120719 - Green*
 Measurement time: *2019-07-16 15:52:40*
 Report time: *2019-09-10 10:11:16*
 Signal Level: *71.428*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBHW - Green*
 Made by: *AUTLED GmbH*
 Note:

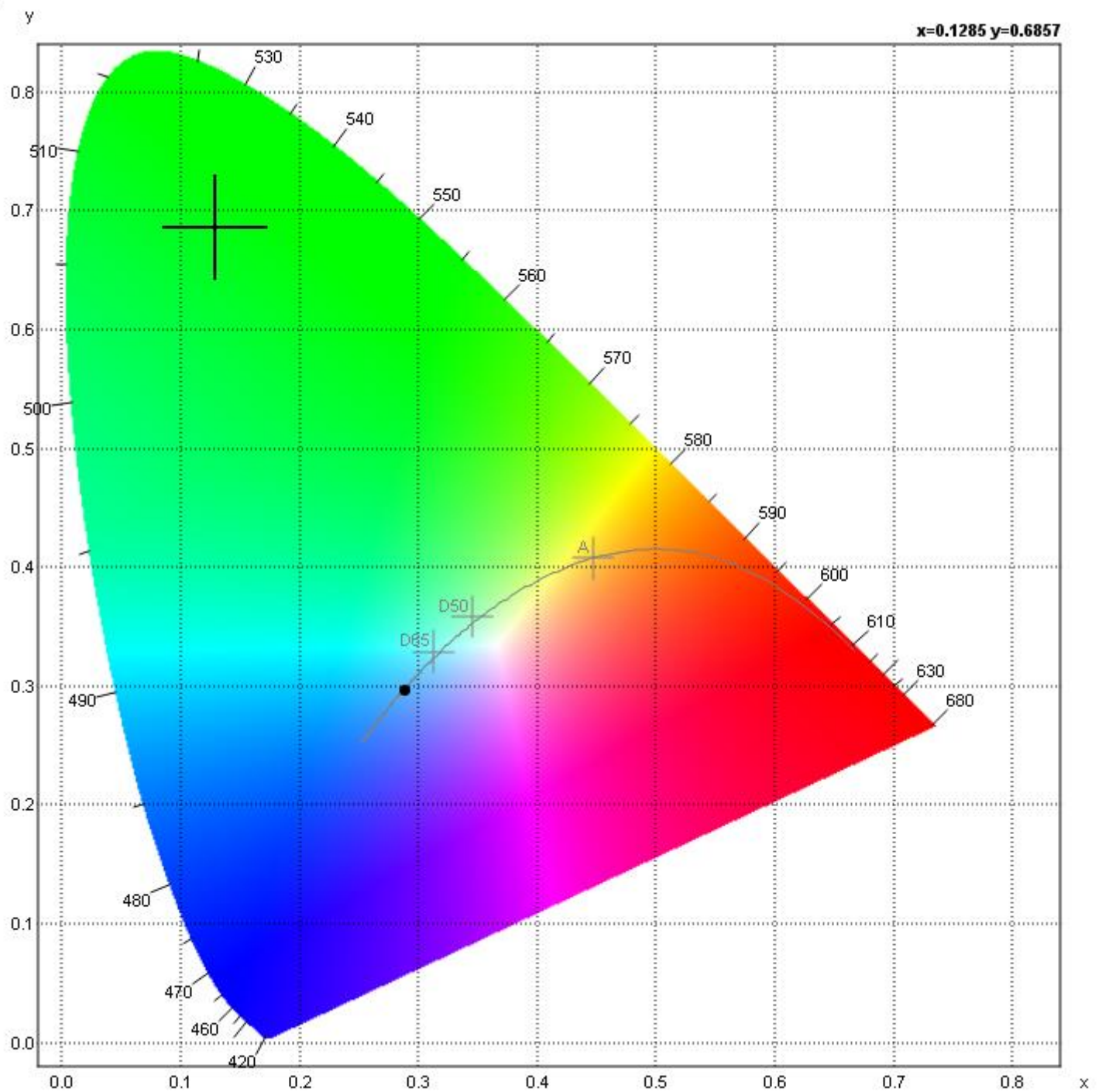
Results

Important Values	
CCT [K]	8846
Light Flux [lm]	183,35
Delta uv	0,1649
Ansi Bin	
Color Peak [nm]	511,58
Color Peak Value	11,48
Wavelength Domin. [nm]	516,5
Radiometric [W]	0,4453
Luminous Efficacy [lm/W]	64,3339
Power [W]	2,84991
Current [A]	0.1189
Voltage [V]	23.969
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.8

Rendering Indices	
Ra	-23,1
Rf	1
Rg	9
R1	-33,4
R2	-6,3
R3	-23,2
R4	-62,3
R5	-7,0
R6	-16,1
R7	-7,2
R8	-29,3
R9	-100,0
R10	-100,0
R11	-87,8
R12	-28,4
R13	-40,2
R14	38,4

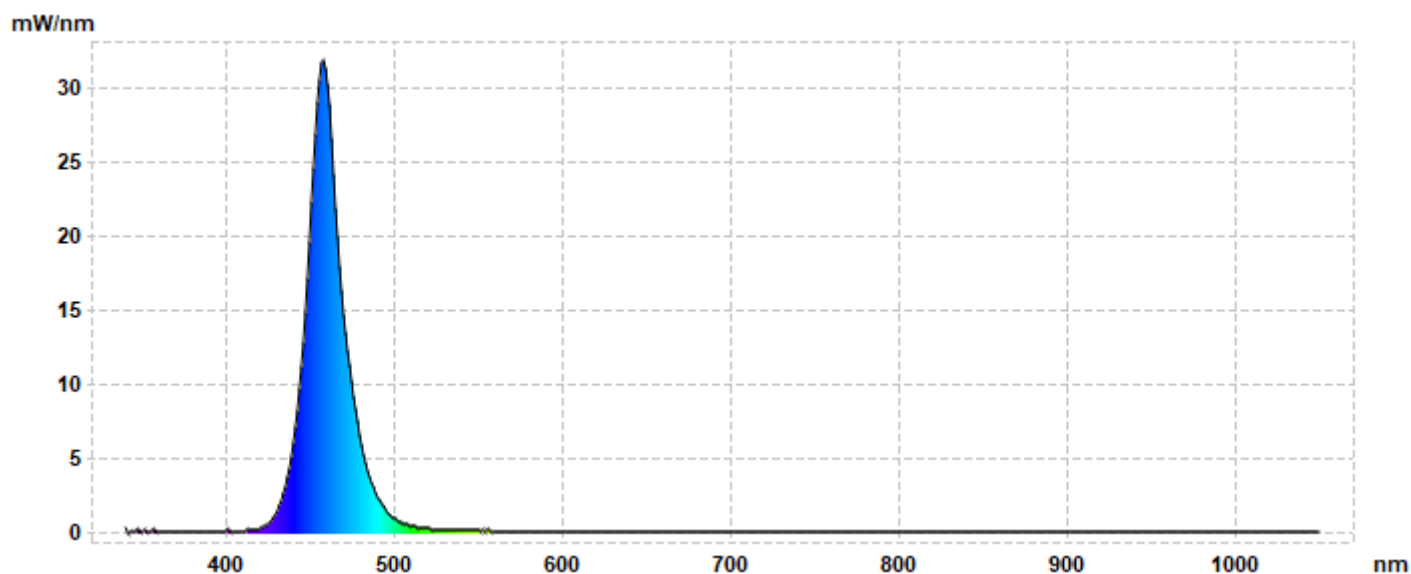
CIE 1931	
x	0,1285
y	0,6857
u'	0,0469
v'	0,5625
L	100,00
a	-208,95
b	74,20
X	34,37
Z	49,69

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBHW - LED2835 - Sample:120719 - Blue*
 Measurement time: *2019-07-16 15:52:58*
 Report time: *2019-09-10 10:11:39*
 Signal Level: *69.500*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBHW - Blue*
 Made by: *AUTLED GmbH*
 Note:

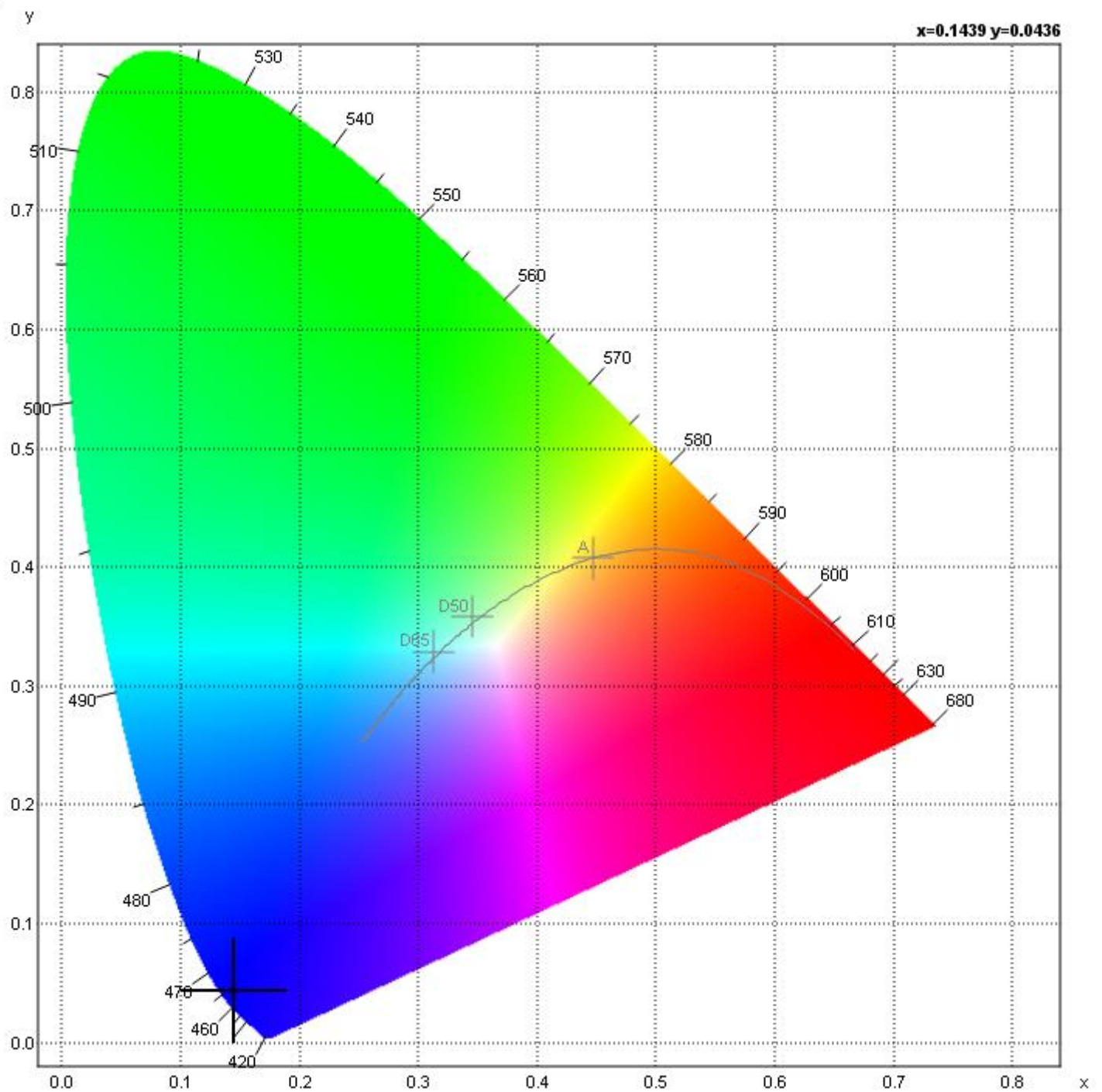
Results

Important Values	
CCT [K]	-
Light Flux [lm]	45,34
Delta uv	nan
Ansi Bin	
Color Peak [nm]	457,19
Color Peak Value	32,04
Wavelength Domin. [nm]	463,2
Radiometric [W]	0,8362
Luminous Efficacy [lm/W]	15,7485
Power [W]	2,87928
Current [A]	0.1201
Voltage [V]	23.974
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.8

Rendering Indices	
Ra	-54,4
Rf	0
Rg	70
R1	-50,6
R2	4,3
R3	-96,4
R4	-100,0
R5	-36,3
R6	-33,7
R7	-33,8
R8	-89,0
R9	-100,0
R10	-100,0
R11	-100,0
R12	-100,0
R13	-33,0
R14	-7,4

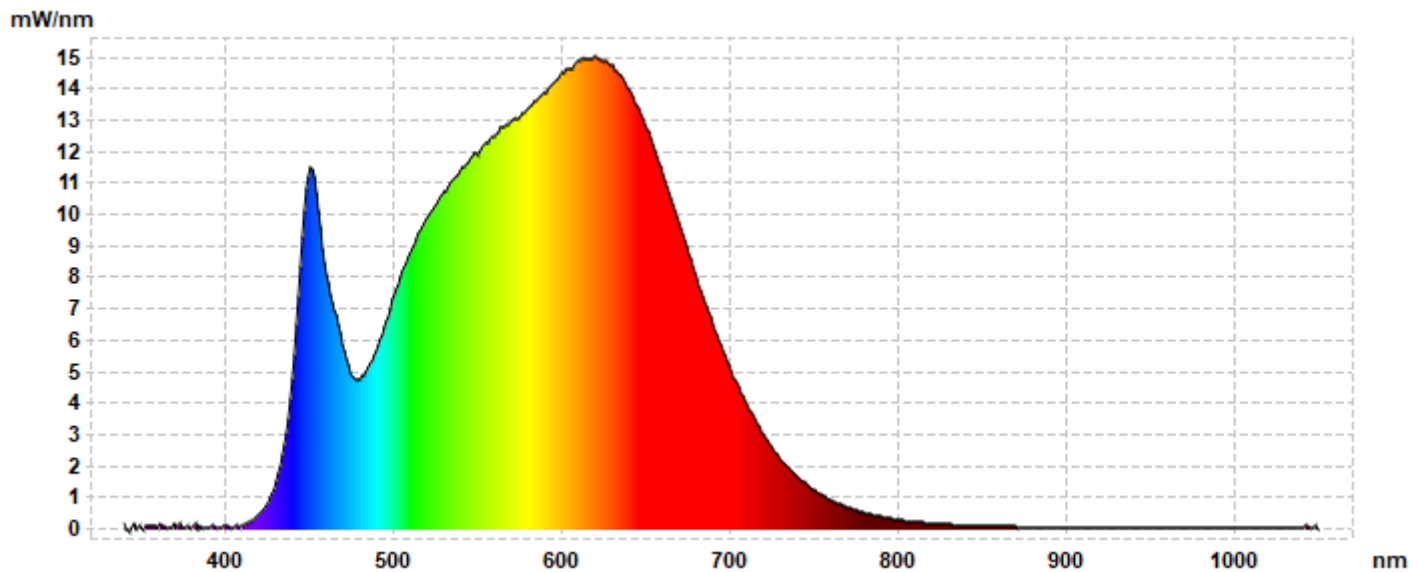
CIE 1931	
x	0,1439
y	0,0436
u'	0,1779
v'	0,1213
L	100,00
a	257,16
b	-315,38
X	149,67
Z	844,83

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBHW - LED2835 - Sample:120719 - HW*
 Measurement time: *2019-07-16 15:54:46*
 Report time: *2019-09-10 10:12:05*
 Signal Level: *69.668*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBHW - HW*
 Made by: *AUTLED GmbH*
 Note:

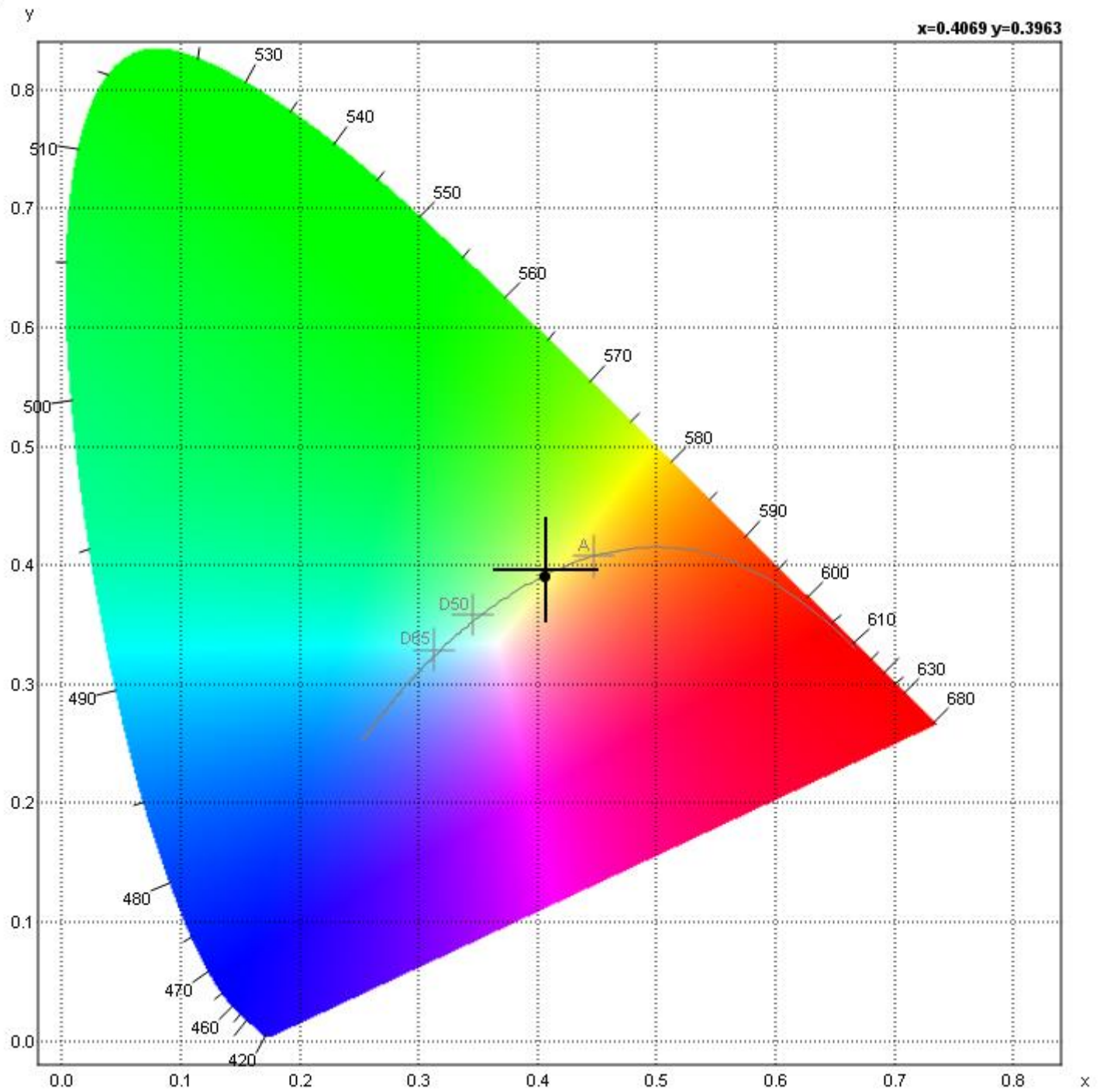
Results

Important Values	
CCT [K]	3511
Light Flux [lm]	864,73
Delta uv	0,0020
Ansi Bin	6B4
Color Peak [nm]	619,58
Color Peak Value	15,12
Wavelength Domin. [nm]	580,0
Radiometric [W]	2,9588
Luminous Efficacy [lm/W]	102,9593
Power [W]	8,39874
Current [A]	0.3504
Voltage [V]	23.969
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.8

Rendering Indices	
Ra	92,0
Rf	90
Rg	98
R1	91,9
R2	94,4
R3	95,5
R4	92,2
R5	90,8
R6	91,7
R7	94,7
R8	85,2
R9	62,6
R10	85,6
R11	91,7
R12	72,5
R13	92,4
R14	97,0

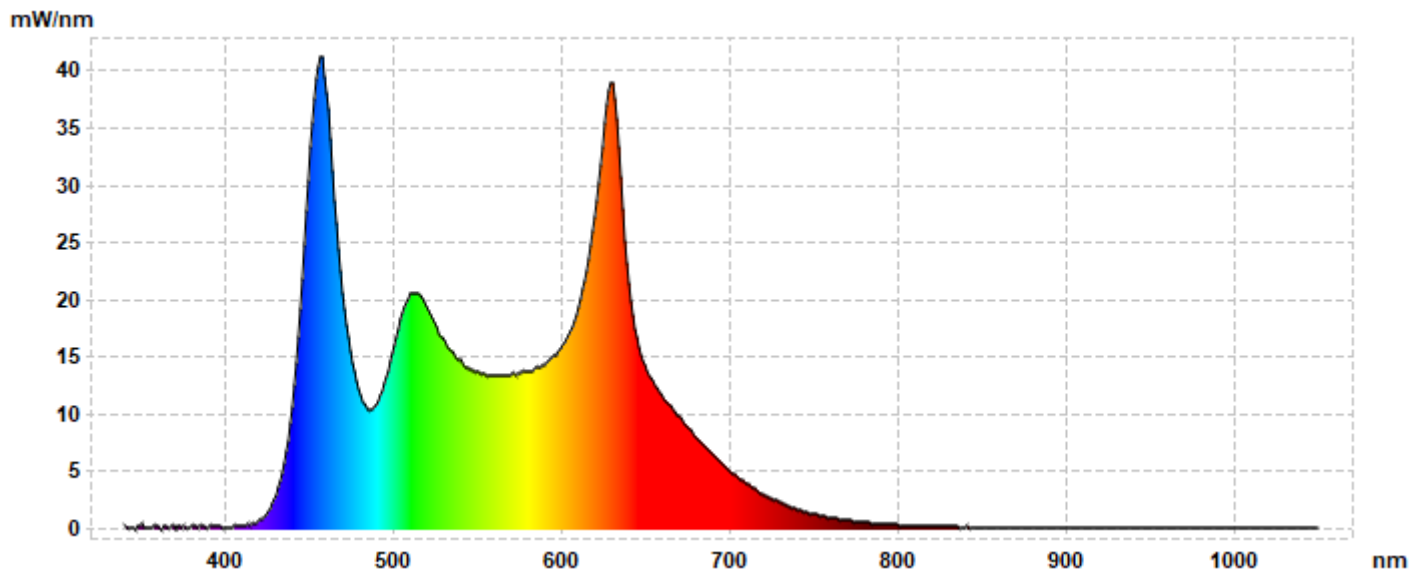
CIE 1931	
x	0,4069
y	0,3963
u'	0,2345
v'	0,5138
L	100,00
a	13,03
b	46,05
X	887,85
Z	429,43

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBHW - LED2835 - Sample:120719 - 100%Mix*
 Measurement time: *2019-07-16 15:55:20*
 Report time: *2019-09-10 10:12:39*
 Signal Level: *70.053*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBHW - 100%Mix*
 Made by: *AUTLED GmbH*
 Note:

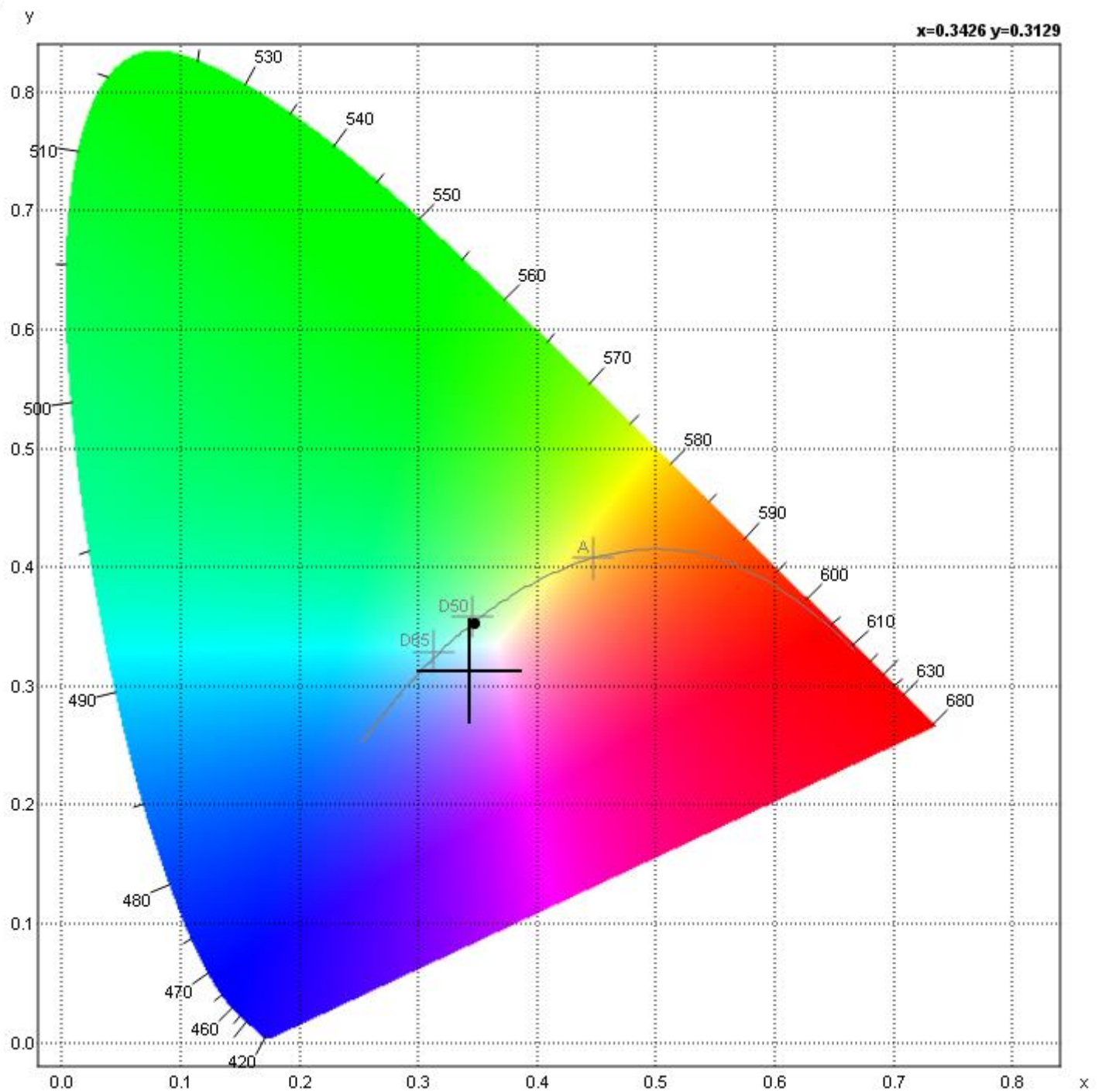
Results

Important Values	
CCT [K]	4952
Light Flux [lm]	1195,21
Delta uv	-0,0200
Ansi Bin	
Color Peak [nm]	457,19
Color Peak Value	41,54
Wavelength Domin. [nm]	589,2
Radiometric [W]	4,7325
Luminous Efficacy [lm/W]	69,8279
Power [W]	17,1165
Current [A]	0.7142
Voltage [V]	23.966
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.8

Rendering Indices	
Ra	72,7
Rf	82
Rg	110
R1	61,9
R2	76,5
R3	94,7
R4	68,3
R5	65,4
R6	68,7
R7	88,8
R8	57,6
R9	-12,2
R10	50,8
R11	57,0
R12	60,7
R13	63,7
R14	94,9

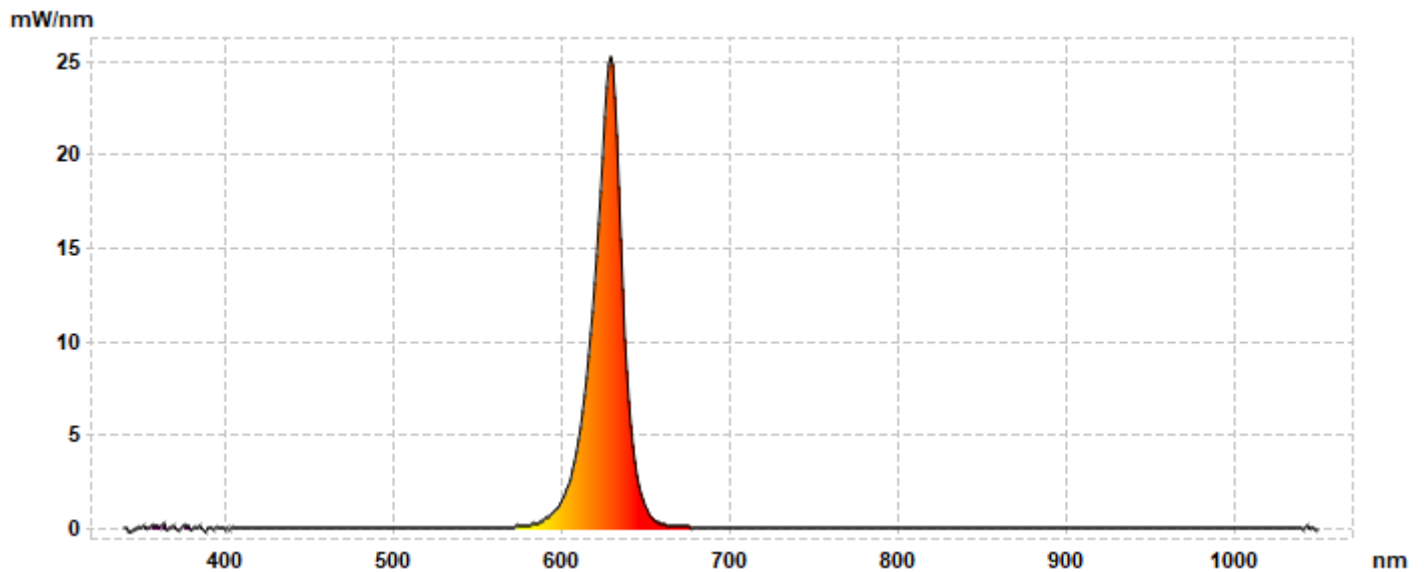
CIE 1931	
x	0,3426
y	0,3129
u'	0,2258
v'	0,4640
L	100,00
a	24,15
b	-0,75
X	1308,68
Z	1316,03

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBNW - LED2835 - Sample:120719 - Red*
 Measurement time: *2019-07-16 16:47:15*
 Report time: *2019-09-10 10:14:19*
 Signal Level: *70.816*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBNW - Red*
 Made by: *AUTLED GmbH*
 Note:

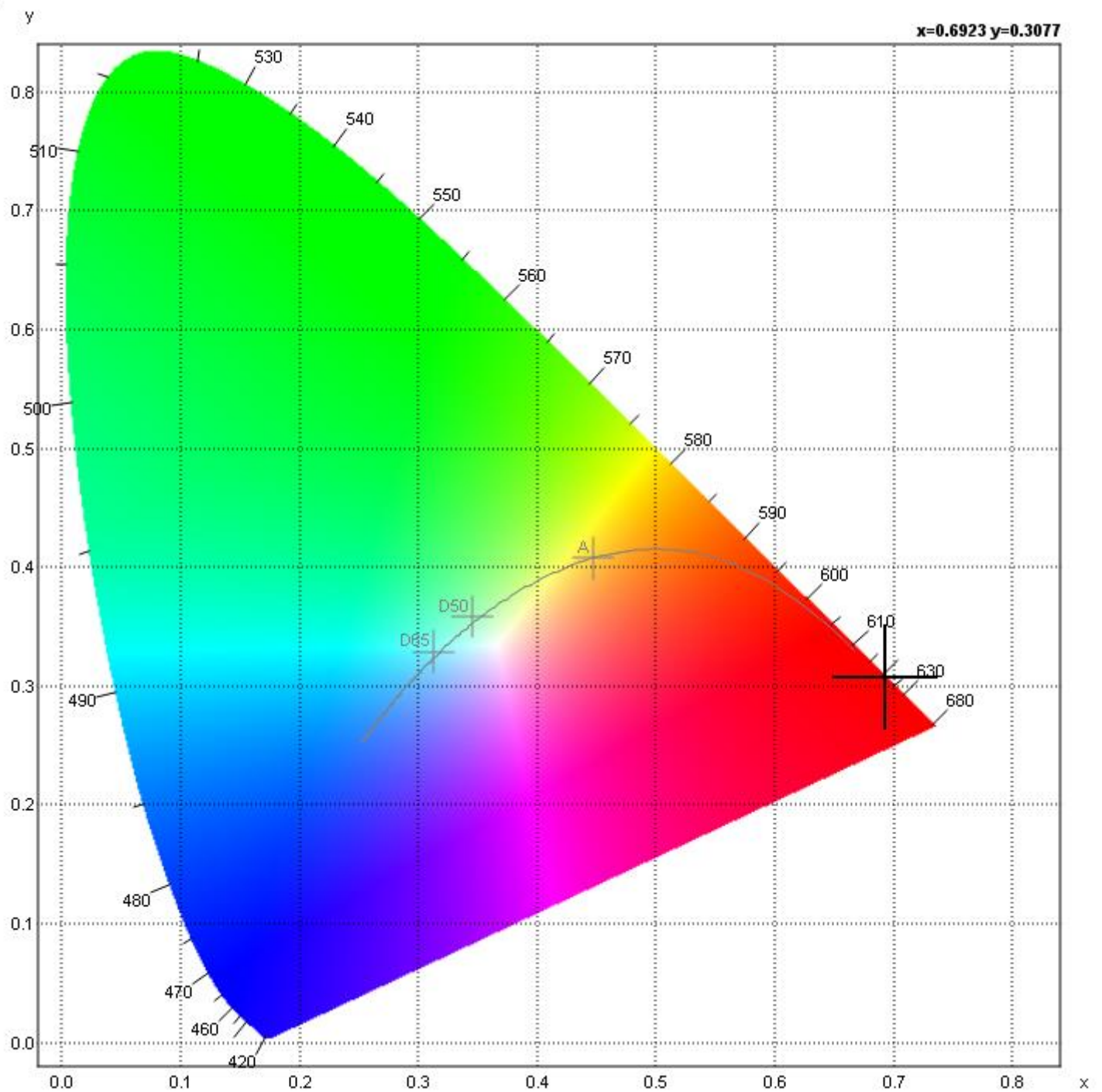
Results

Important Values	
CCT [K]	-
Light Flux [lm]	111,61
Delta uv	nan
Ansi Bin	
Color Peak [nm]	629,73
Color Peak Value	25,33
Wavelength Domin. [nm]	620,3
Radiometric [W]	0,5217
Luminous Efficacy [lm/W]	35,5782
Power [W]	3,13702
Current [A]	0.1309
Voltage [V]	23.965
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.9

Rendering Indices	
Ra	-27,3
Rf	0
Rg	-
R1	-88,9
R2	-16,3
R3	62,5
R4	-64,9
R5	-73,5
R6	-64,1
R7	51,3
R8	-24,1
R9	-100,0
R10	-100,0
R11	-100,0
R12	-79,2
R13	-92,3
R14	72,7

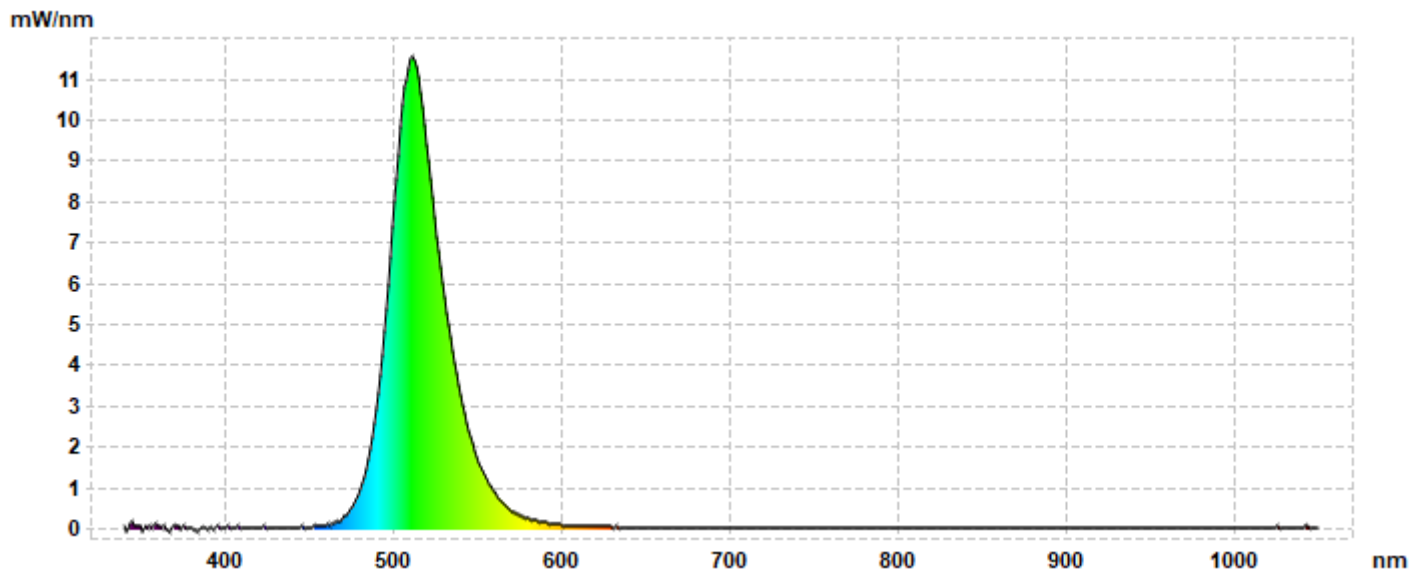
CIE 1931	
x	0,6923
y	0,3077
u'	0,5217
v'	0,5217
L	100,00
a	166,36
b	nan
X	251,10
Z	0,00

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBNW - LED2835 - Sample:120719 - Green*
 Measurement time: *2019-07-16 16:48:00*
 Report time: *2019-09-10 10:15:09*
 Signal Level: *71.945*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBNW - Green*
 Made by: *AUTLED GmbH*
 Note:

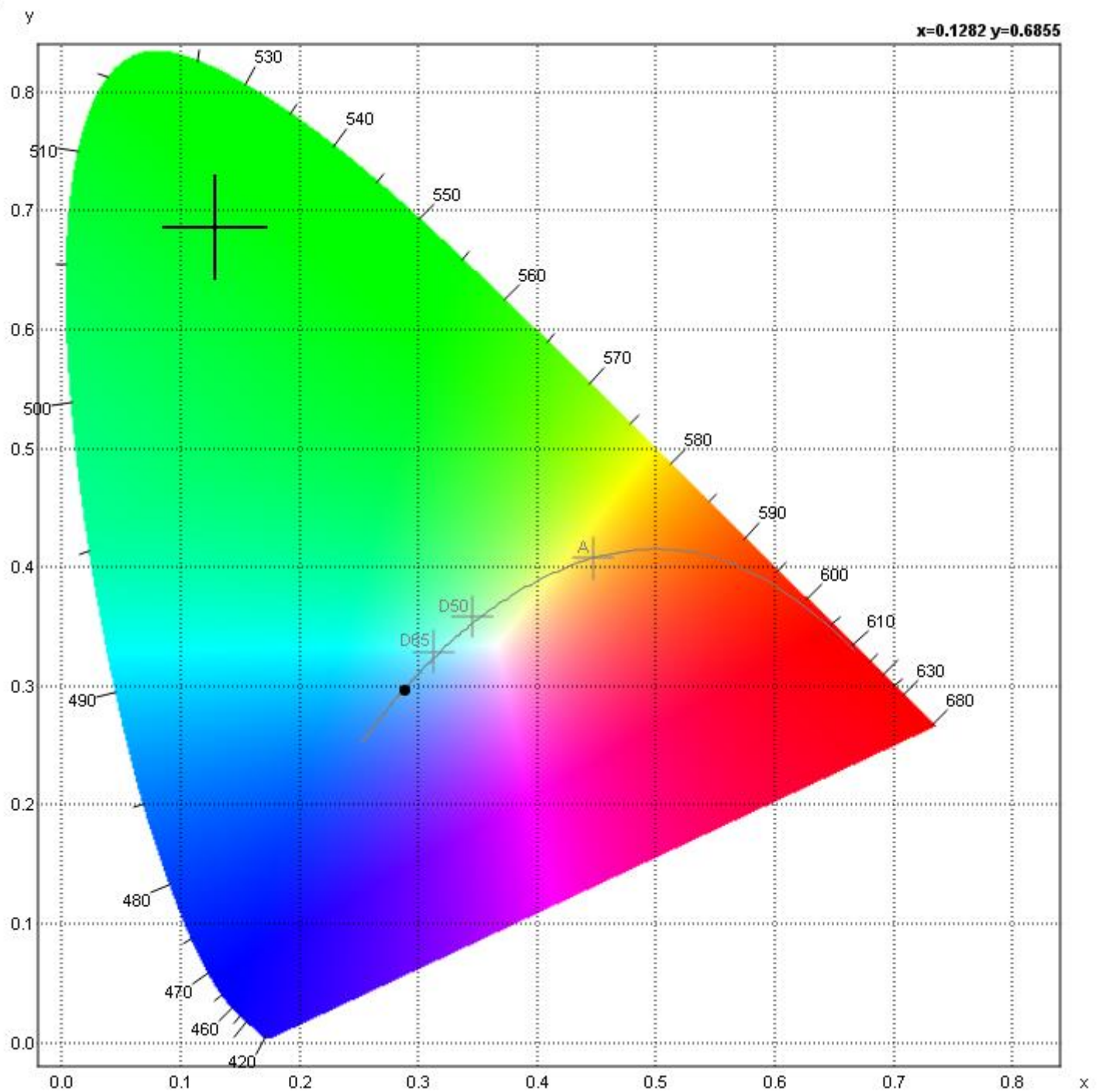
Results

Important Values	
CCT [K]	8858
Light Flux [lm]	184,93
Delta uv	0,1650
Ansi Bin	
Color Peak [nm]	511,58
Color Peak Value	11,66
Wavelength Domin. [nm]	516,5
Radiometric [W]	0,4507
Luminous Efficacy [lm/W]	64,8956
Power [W]	2,84968
Current [A]	0.1189
Voltage [V]	23.967
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	22.0

Rendering Indices	
Ra	-23,2
Rf	1
Rg	9
R1	-33,4
R2	-6,4
R3	-23,5
R4	-62,4
R5	-7,0
R6	-16,2
R7	-7,4
R8	-29,4
R9	-100,0
R10	-100,0
R11	-87,9
R12	-28,4
R13	-40,2
R14	38,3

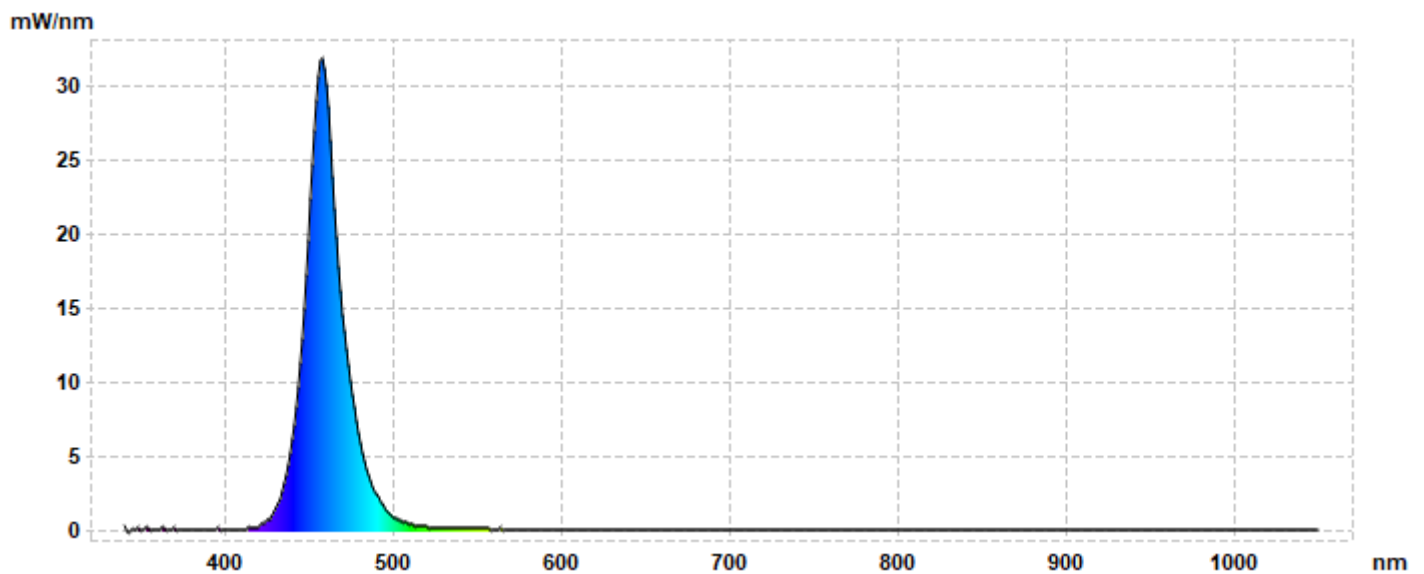
CIE 1931	
x	0,1282
y	0,6855
u'	0,0468
v'	0,5624
L	100,00
a	-209,18
b	74,09
X	34,59
Z	50,24

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBNW - LED2835 - Sample:120719 - Blue*
 Measurement time: *2019-07-16 16:48:20*
 Report time: *2019-09-10 10:15:35*
 Signal Level: *71.011*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBNW - Blue*
 Made by: *AUTLED GmbH*
 Note:

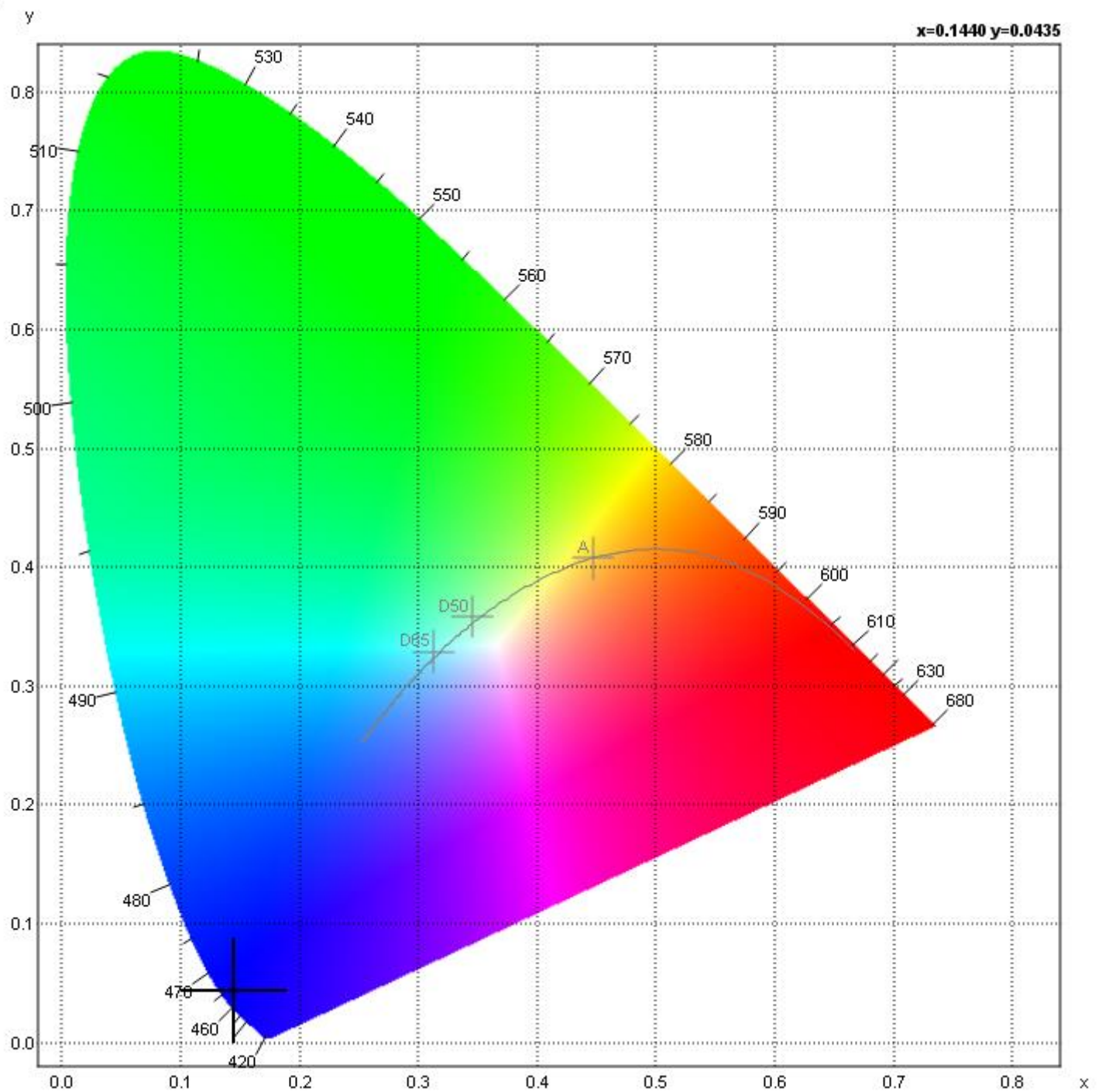
Results

Important Values	
CCT [K]	-
Light Flux [lm]	45,37
Delta uv	nan
Ansi Bin	
Color Peak [nm]	457,19
Color Peak Value	32,11
Wavelength Domin. [nm]	463,2
Radiometric [W]	0,8382
Luminous Efficacy [lm/W]	15,6426
Power [W]	2,90049
Current [A]	0.121
Voltage [V]	23.971
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.9

Rendering Indices	
Ra	-54,5
Rf	0
Rg	71
R1	-50,6
R2	4,5
R3	-96,8
R4	-100,0
R5	-36,3
R6	-33,4
R7	-34,0
R8	-89,2
R9	-100,0
R10	-100,0
R11	-100,0
R12	-100,0
R13	-32,9
R14	-7,5

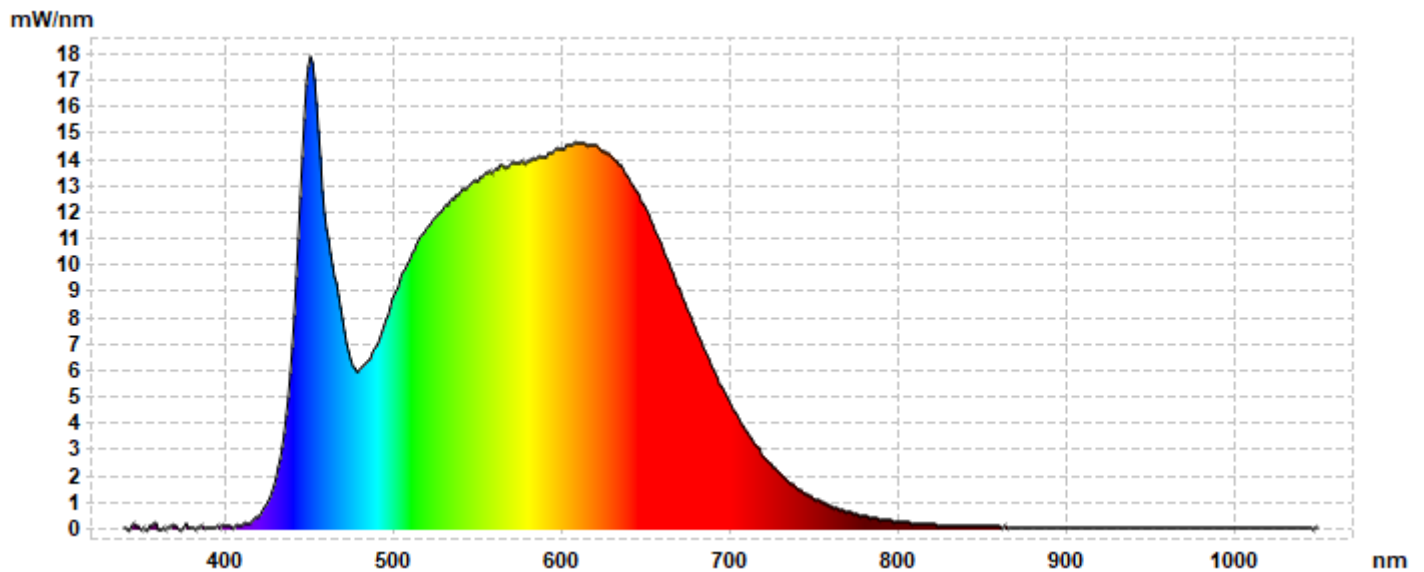
CIE 1931	
x	0,1440
y	0,0435
u'	0,1781
v'	0,1211
L	100,00
a	257,80
b	-315,68
X	150,13
Z	846,84

CIE 1931



Measuring Report

Spectrum



Measurement name: *FS-86-RGBNW - LED2835 - Sample:120719 - NW*
 Measurement time: *2019-07-16 16:49:31*
 Report time: *2019-09-10 10:15:54*
 Signal Level: *69.230*
 Device: *GLX10t 1104N041*
 Item No: *FS-86-RGBNW - NW*
 Made by: *AUTLED GmbH*
 Note:

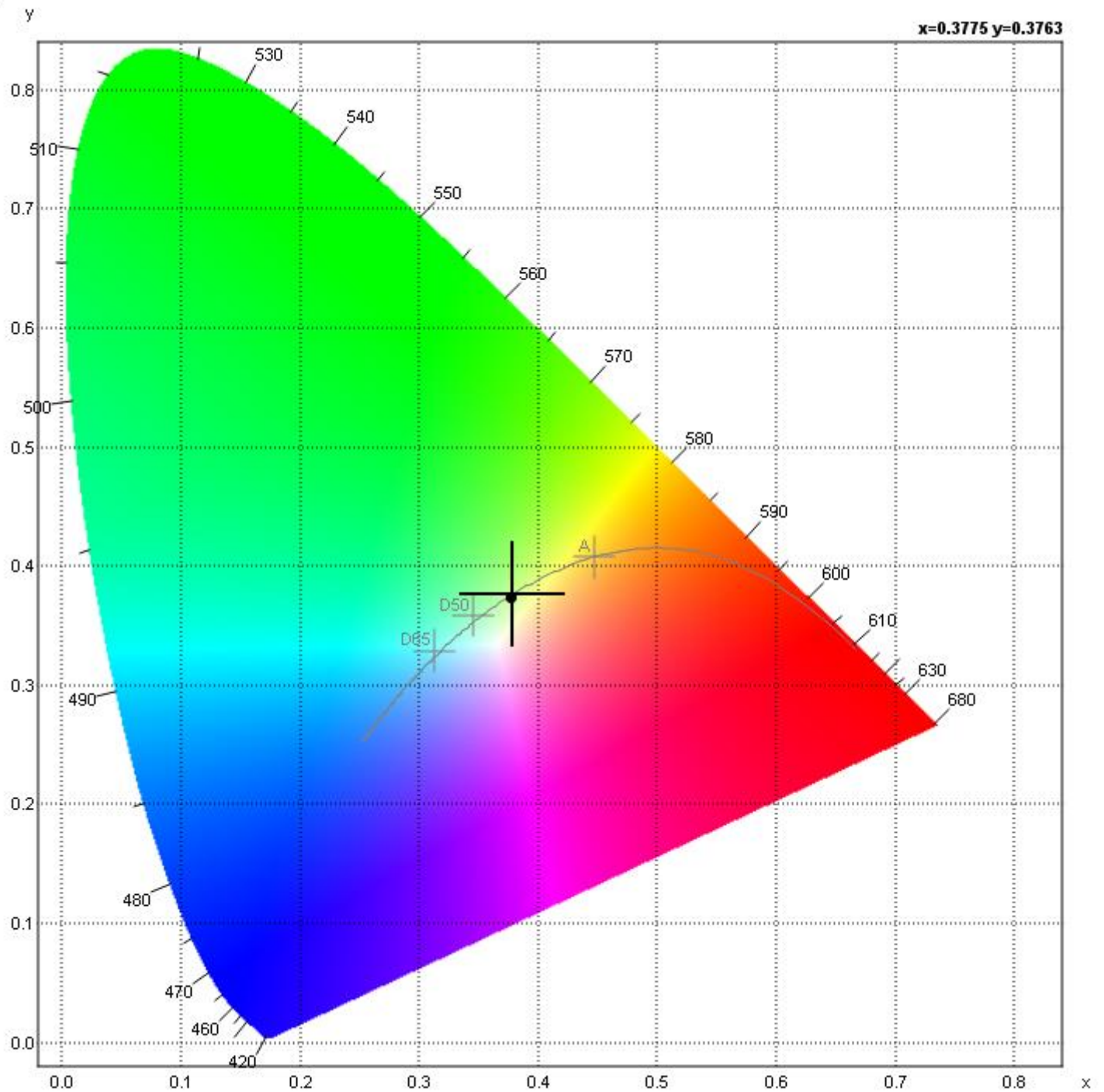
Results

Important Values	
CCT [K]	4079
Light Flux [lm]	926,95
Delta uv	0,0006
Ansi Bin	5A3
Color Peak [nm]	450,74
Color Peak Value	18,05
Wavelength Domin. [nm]	578,4
Radiometric [W]	3,1723
Luminous Efficacy [lm/W]	104,1837
Power [W]	8,89729
Current [A]	0.3712
Voltage [V]	23.969
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	21.9

Rendering Indices	
Ra	92,0
Rf	89
Rg	98
R1	92,1
R2	94,5
R3	94,8
R4	91,8
R5	90,9
R6	90,8
R7	94,9
R8	86,5
R9	64,7
R10	85,4
R11	91,1
R12	68,6
R13	92,7
R14	96,8

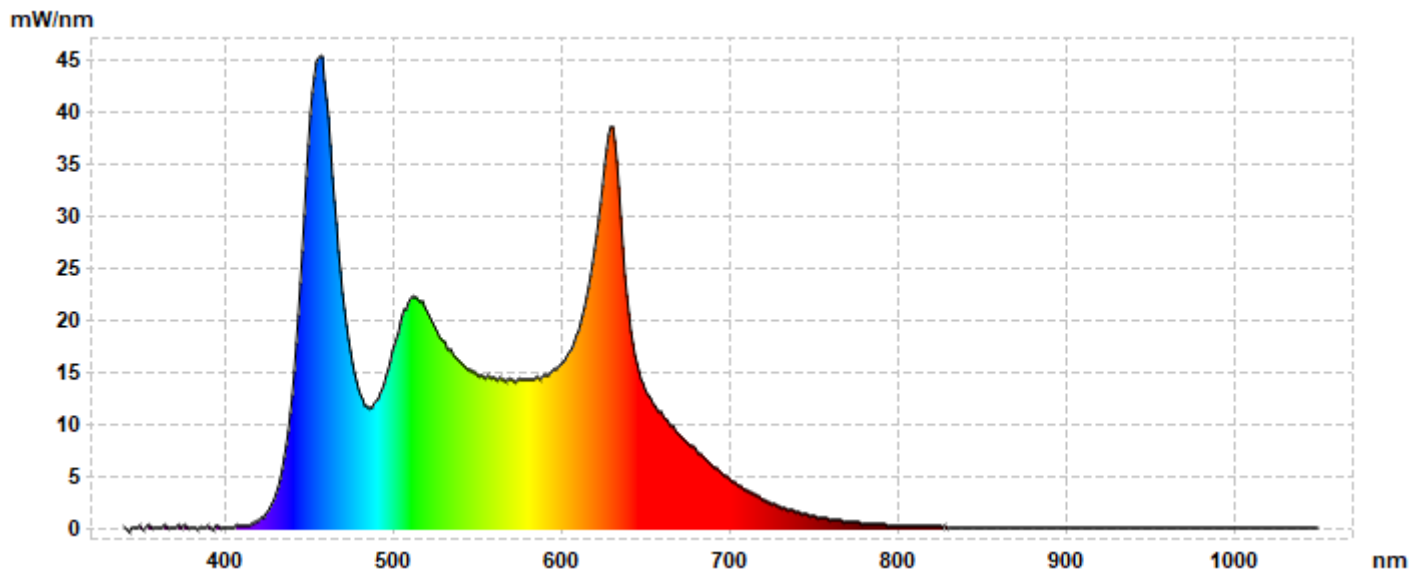
CIE 1931	
x	0,3775
y	0,3763
u'	0,2233
v'	0,5010
L	100,00
a	9,06
b	31,24
X	929,78
Z	606,39

CIE 1931



Measuring Report

Spectrum



Measurement name: FS-86-RGBNW - LED2835 - Sample:120719 - 100%Mix
 Measurement time: 2019-07-16 16:49:57
 Report time: 2019-09-10 10:16:17
 Signal Level: 69.932
 Device: GLX10t 1104N041
 Item No: FS-86-RGBNW - 100%Mix
 Made by: AUTLED GmbH
 Note:

Results

Important Values	
CCT [K]	5676
Light Flux [lm]	1258,07
Delta uv	-0,0174
Ansi Bin	
Color Peak [nm]	456,20
Color Peak Value	45,58
Wavelength Domin. [nm]	360,0
Radiometric [W]	4,9455
Luminous Efficacy [lm/W]	71,3346
Power [W]	17,6362
Current [A]	0.7357
Voltage [V]	23.972
Frequency [Hz]	
Power Factor	
Sensor Temperature [°C]	22.0

Rendering Indices	
Ra	73,9
Rf	83
Rg	110
R1	62,9
R2	78,4
R3	95,2
R4	68,2
R5	67,2
R6	72,2
R7	89,3
R8	57,9
R9	-14,7
R10	55,8
R11	57,4
R12	66,4
R13	65,3
R14	94,2

CIE 1931	
x	0,3292
y	0,3065
u'	0,2187
v'	0,4583
L	100,00
a	20,78
b	-5,91
X	1351,13
Z	1494,94

CIE 1931

