

Spectrum Test Report

Sample :
Specification : EKF5RGBW110-G
Sample No. : 23
Manufacturer :

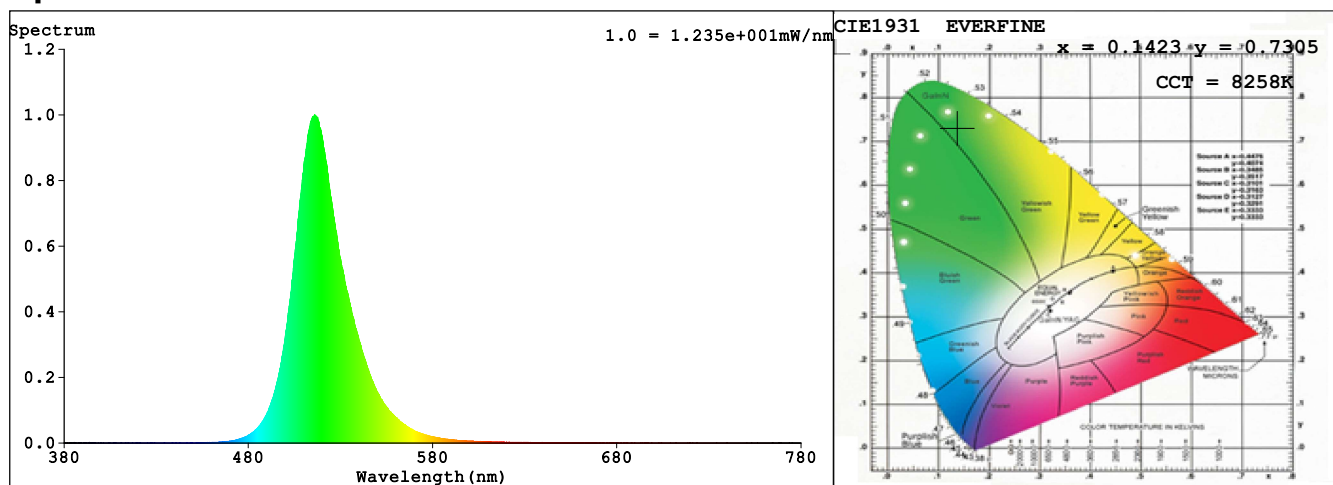
Date : 2023-03-14
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : QC
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 55.0%
IP : 52487 (80%)
T : 2331 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1423$ $y = 0.7305$ / $u' = 0.0496$ $v' = 0.5726$ ($duv=1.66e-01$)

CCT= 8258K Prcp WL: $L_d=522.4nm$ Purity=79.6%

Peak WL: $L_p=516nm$ FWHM: $=28.3nm$ Ratio:R=0.2% G=97.4% B=2.4%

Render Index: $R_a = 0.0$ TM30: $R_f=1$ $R_g=6$

R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0

R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=33 R15=0

LEVEL:OUT

Photometric & Radiometric Parameters

Flux = 193.55 lm Eff. : 72.01 lm/W $Fe = 421.15 mW$

Electrical parameters

V = 24.00 V I = 0.1120 A P = 2.688 W PF = 1.000

Freq=0.00 Hz

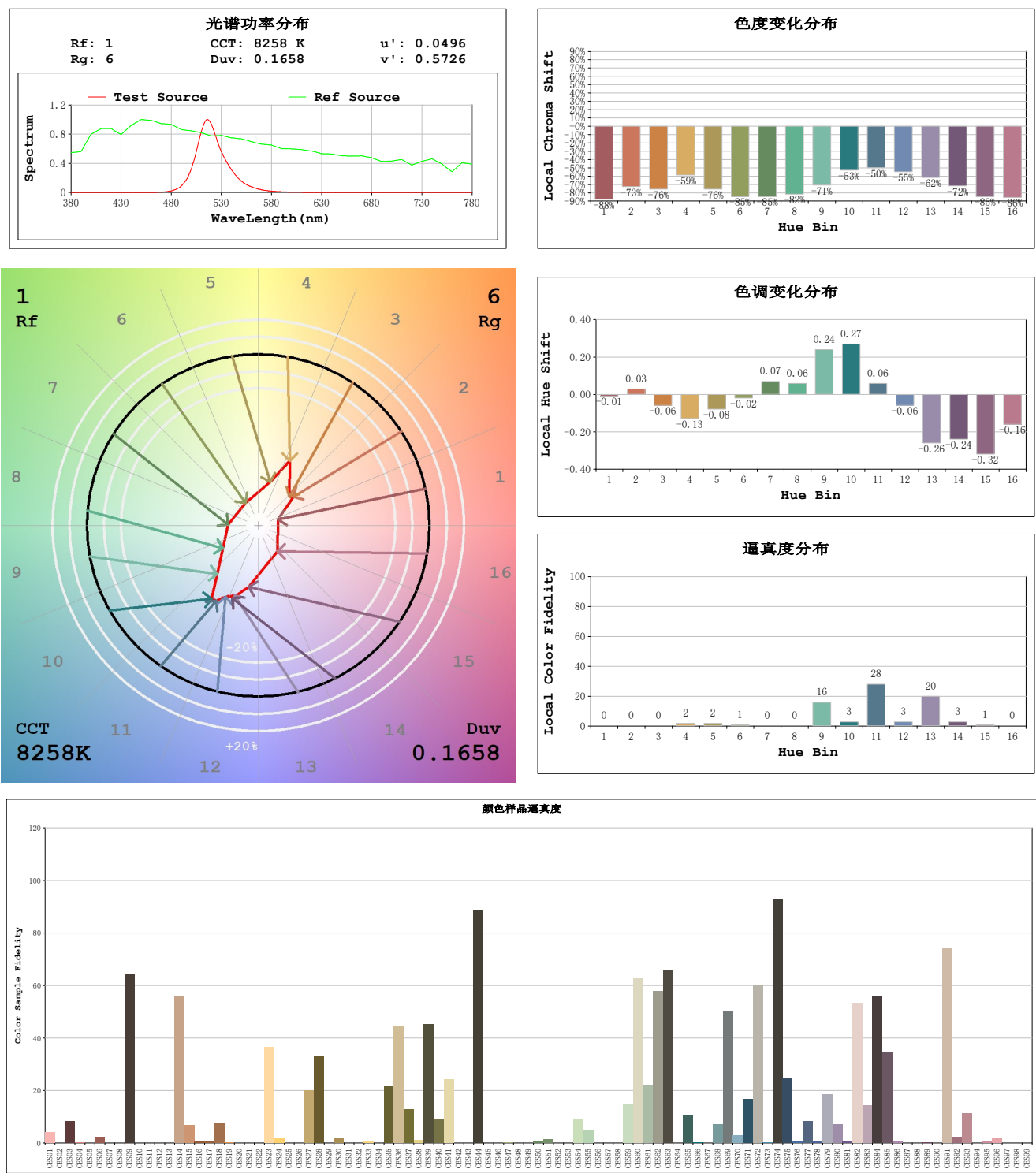
GBT5702

EVERFINE CORPORATION

<http://www.everfine.cn>

TM30

视角:2 度



All Rf:

Rf1 = 4.2	Rf2 = 0.0	Rf3 = 8.4	Rf4 = 0.2
Rf5 = 0.0	Rf6 = 2.3	Rf7 = 0.0	Rf8 = 0.0
Rf9 = 64.4	Rf10 = 0.0	Rf11 = 0.0	Rf12 = 0.0
Rf13 = 0.2	Rf14 = 55.8	Rf15 = 6.7	Rf16 = 0.6
Rf17 = 0.9	Rf18 = 7.4	Rf19 = 0.2	Rf20 = 0.0
Rf21 = 0.1	Rf22 = 0.0	Rf23 = 36.5	Rf24 = 2.0
Rf25 = 0.1	Rf26 = 0.1	Rf27 = 20.0	Rf28 = 33.1
Rf29 = 0.0	Rf30 = 1.8	Rf31 = 0.0	Rf32 = 0.0
Rf33 = 0.7	Rf34 = 0.2	Rf35 = 21.7	Rf36 = 44.7
Rf37 = 12.8	Rf38 = 1.3	Rf39 = 45.2	Rf40 = 9.3
Rf41 = 24.4	Rf42 = 0.0	Rf43 = 0.0	Rf44 = 88.9
Rf45 = 0.0	Rf46 = 0.1	Rf47 = 0.4	Rf48 = 0.0
Rf49 = 0.1	Rf50 = 0.5	Rf51 = 1.5	Rf52 = 0.1
Rf53 = 0.0	Rf54 = 9.2	Rf55 = 5.0	Rf56 = 0.0
Rf57 = 0.0	Rf58 = 0.0	Rf59 = 14.7	Rf60 = 62.6
Rf61 = 21.7	Rf62 = 58.0	Rf63 = 66.1	Rf64 = 0.0
Rf65 = 10.7	Rf66 = 0.2	Rf67 = 0.2	Rf68 = 7.3
Rf69 = 50.4	Rf70 = 3.0	Rf71 = 16.6	Rf72 = 60.1
Rf73 = 0.2	Rf74 = 92.9	Rf75 = 24.5	Rf76 = 0.5
Rf77 = 8.5	Rf78 = 0.5	Rf79 = 18.6	Rf80 = 7.3
Rf81 = 0.7	Rf82 = 53.2	Rf83 = 14.5	Rf84 = 55.9
Rf85 = 34.5	Rf86 = 0.7	Rf87 = 0.2	Rf88 = 0.1
Rf89 = 0.2	Rf90 = 0.0	Rf91 = 74.5	Rf92 = 2.5
Rf93 = 11.4	Rf94 = 0.0	Rf95 = 0.9	Rf96 = 2.1
Rf97 = 0.0	Rf98 = 0.0	Rf99 = 0.0	

Spectrum Test Report

Sample :
Specification : EKF5RGBW110-R
Sample No. : 25
Manufacturer :

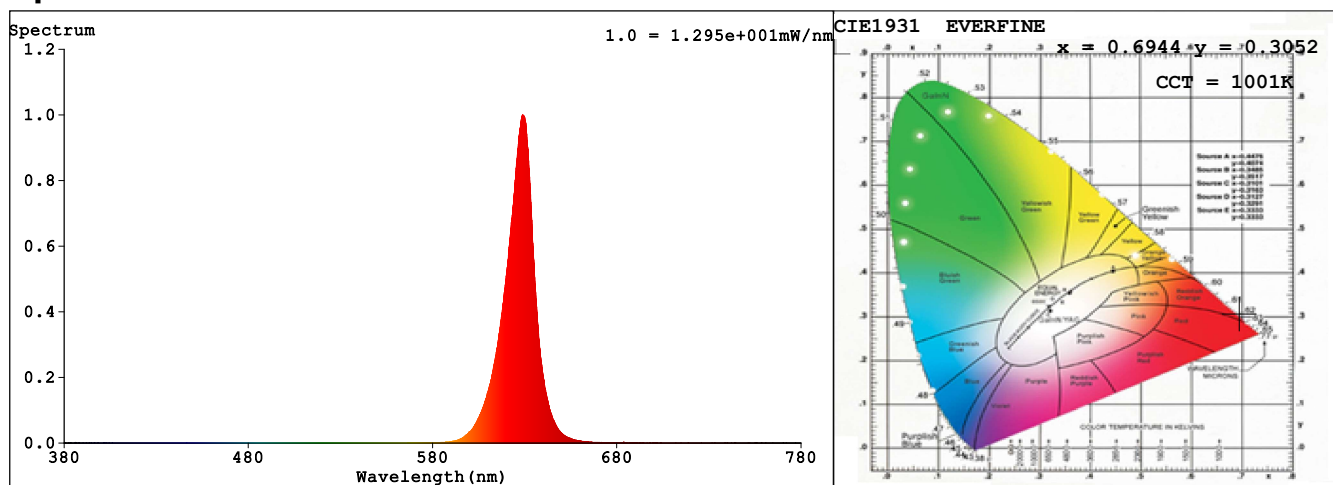
Date : 2023-03-14
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : QC
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 55.0%
IP : 52419 (80%)
T : 2929 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6944$ $y = 0.3052$ / $u' = 0.5267$ $v' = 0.5209$ ($duv = -7.92e-02$)

CCT= 1001K Prcp WL: $L_d = 621.6nm$ Purity=99.9%

Peak WL: $L_p = 629nm$ FWHM: $= 15.7nm$ Ratio: R=98.0% G=2.0% B=0.0%

Render Index: $R_a = 24.3$ TM30: $R_f = 0$ $R_g = 0$

R1=2 R2=78 R3=25 R4=0 R5=0 R6=90 R7=0

R8=0 R9=0 R10=71 R11=0 R12=79 R13=27 R14=56 R15=0

LEVEL:OUT

Photometric & Radiometric Parameters

Flux = 51.795 lm Eff. : 21.87 lm/W $F_e = 244.38 mW$

Electrical parameters

V = 24.00 V I = 0.09870 A P = 2.369 W PF = 1.000

Freq=0.00 Hz

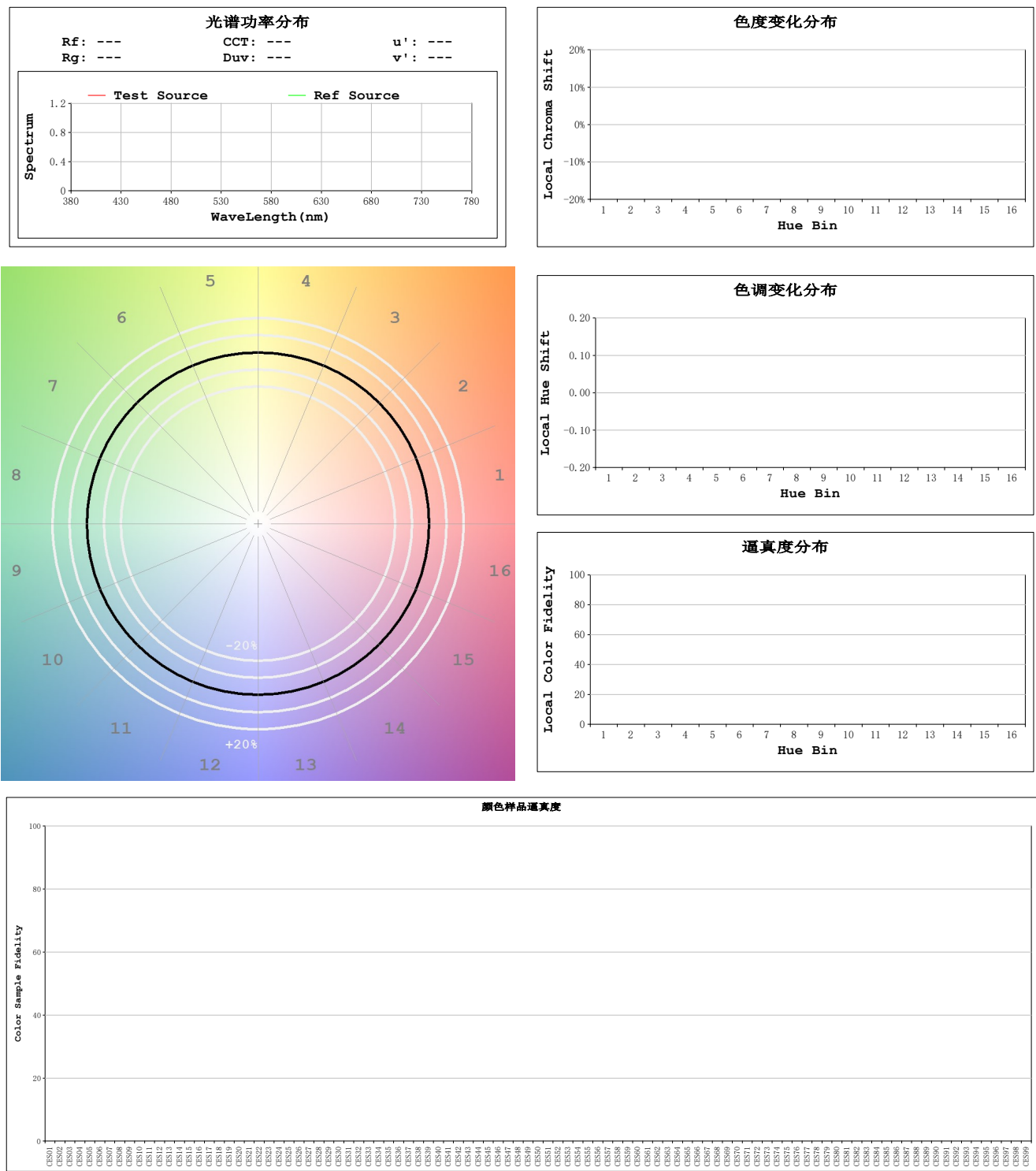
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TM30

视角:2 度



All Rf:

Rf1 = 4.2	Rf2 = 0.0	Rf3 = 8.4	Rf4 = 0.2
Rf5 = 0.0	Rf6 = 2.3	Rf7 = 0.0	Rf8 = 0.0
Rf9 = 64.4	Rf10 = 0.0	Rf11 = 0.0	Rf12 = 0.0
Rf13 = 0.2	Rf14 = 55.8	Rf15 = 6.7	Rf16 = 0.6
Rf17 = 0.9	Rf18 = 7.4	Rf19 = 0.2	Rf20 = 0.0
Rf21 = 0.1	Rf22 = 0.0	Rf23 = 36.5	Rf24 = 2.0
Rf25 = 0.1	Rf26 = 0.1	Rf27 = 20.0	Rf28 = 33.1
Rf29 = 0.0	Rf30 = 1.8	Rf31 = 0.0	Rf32 = 0.0
Rf33 = 0.7	Rf34 = 0.2	Rf35 = 21.7	Rf36 = 44.7
Rf37 = 12.8	Rf38 = 1.3	Rf39 = 45.2	Rf40 = 9.3
Rf41 = 24.4	Rf42 = 0.0	Rf43 = 0.0	Rf44 = 88.9
Rf45 = 0.0	Rf46 = 0.1	Rf47 = 0.4	Rf48 = 0.0
Rf49 = 0.1	Rf50 = 0.5	Rf51 = 1.5	Rf52 = 0.1
Rf53 = 0.0	Rf54 = 9.2	Rf55 = 5.0	Rf56 = 0.0
Rf57 = 0.0	Rf58 = 0.0	Rf59 = 14.7	Rf60 = 62.6
Rf61 = 21.7	Rf62 = 58.0	Rf63 = 66.1	Rf64 = 0.0
Rf65 = 10.7	Rf66 = 0.2	Rf67 = 0.2	Rf68 = 7.3
Rf69 = 50.4	Rf70 = 3.0	Rf71 = 16.6	Rf72 = 60.1
Rf73 = 0.2	Rf74 = 92.9	Rf75 = 24.5	Rf76 = 0.5
Rf77 = 8.5	Rf78 = 0.5	Rf79 = 18.6	Rf80 = 7.3
Rf81 = 0.7	Rf82 = 53.2	Rf83 = 14.5	Rf84 = 55.9
Rf85 = 34.5	Rf86 = 0.7	Rf87 = 0.2	Rf88 = 0.1
Rf89 = 0.2	Rf90 = 0.0	Rf91 = 74.5	Rf92 = 2.5
Rf93 = 11.4	Rf94 = 0.0	Rf95 = 0.9	Rf96 = 2.1
Rf97 = 0.0	Rf98 = 0.0	Rf99 = 0.0	

Spectrum Test Report

Sample :
Specification : EKF5RGBW110-B
Sample No. : 26
Manufacturer :

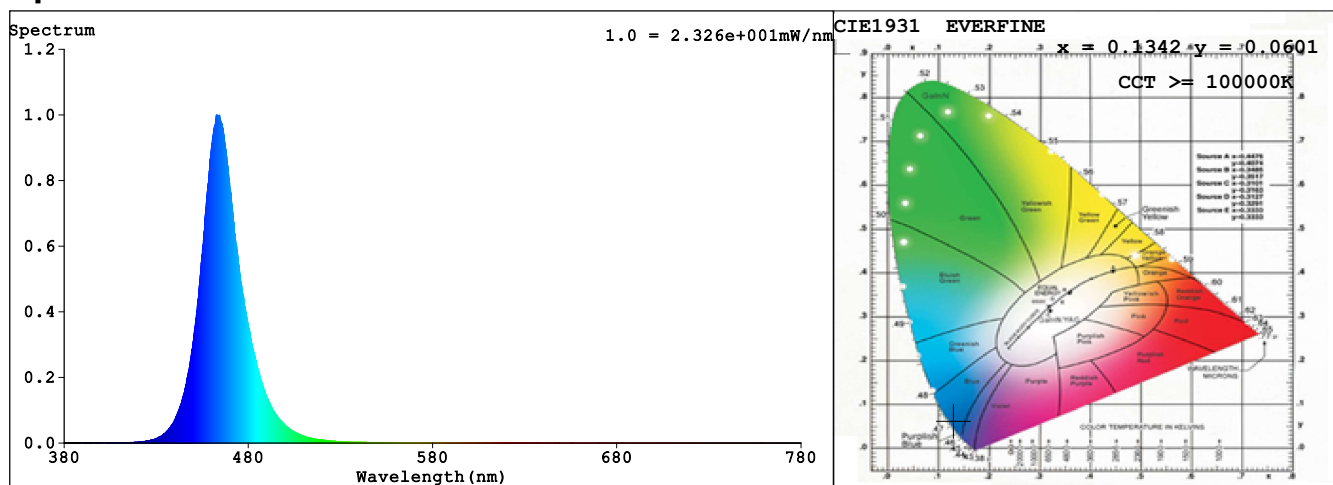
Date : 2023-03-14
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : QC
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 55.0%
IP : 52260 (80%)
T : 1560 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1342$ $y = 0.0601$ / $u' = 0.1554$ $v' = 0.1567$ ($duv = -1.63e-01$)

CCT>=100000K Prcp WL: Ld=468.5nm Purity=96.9%

Peak WL: Lp=463nm FWHM: =22.1nm Ratio:R=0.4% G=14.6% B=85.0%

Render Index: Ra = 0.3 TM30:Rf=0 Rg=-78

R1=0 R2=0 R3=0 R4=0 R5=2 R6=0 R7=0
R8=0 R9=0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=0

LEVEL:OUT

Photometric & Radiometric Parameters

Flux = 42.207 lm Eff. : 16.45 lm/W Fe = 623.30 mW

Electrical parameters

V = 24.00 V I = 0.1069 A P = 2.565 W PF = 1.000

Freq=0.00 Hz

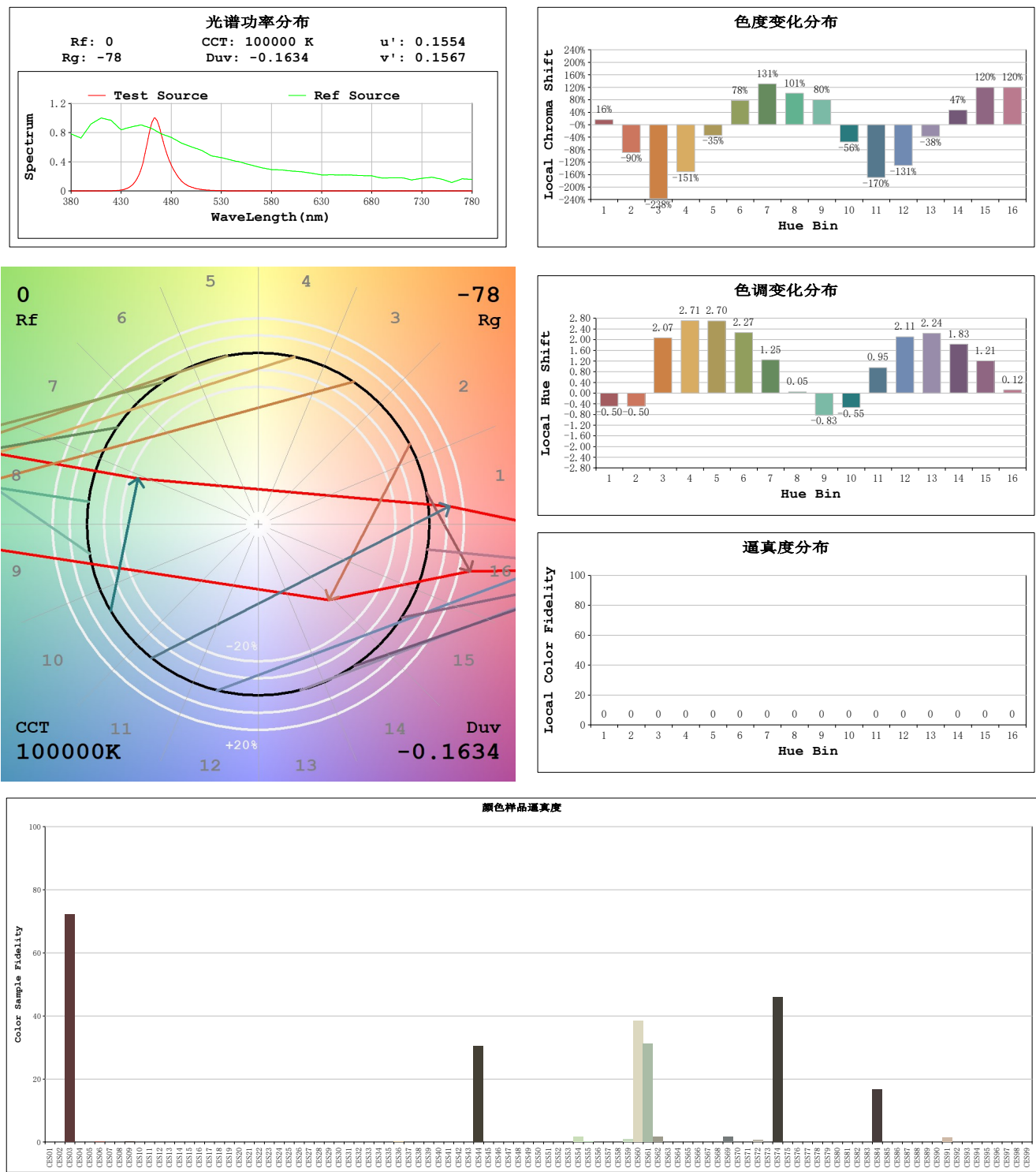
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TM30

视角:2 度



All Rf:

Rf1 = 0.1	Rf2 = 0.0	Rf3 = 72.3	Rf4 = 0.0
Rf5 = 0.0	Rf6 = 0.3	Rf7 = 0.0	Rf8 = 0.0
Rf9 = 0.4	Rf10 = 0.0	Rf11 = 0.0	Rf12 = 0.0
Rf13 = 0.0	Rf14 = 0.0	Rf15 = 0.0	Rf16 = 0.0
Rf17 = 0.0	Rf18 = 0.0	Rf19 = 0.0	Rf20 = 0.0
Rf21 = 0.0	Rf22 = 0.0	Rf23 = 0.0	Rf24 = 0.0
Rf25 = 0.0	Rf26 = 0.0	Rf27 = 0.0	Rf28 = 0.0
Rf29 = 0.0	Rf30 = 0.0	Rf31 = 0.0	Rf32 = 0.0
Rf33 = 0.0	Rf34 = 0.0	Rf35 = 0.0	Rf36 = 0.2
Rf37 = 0.0	Rf38 = 0.0	Rf39 = 0.0	Rf40 = 0.0
Rf41 = 0.0	Rf42 = 0.0	Rf43 = 0.0	Rf44 = 30.4
Rf45 = 0.0	Rf46 = 0.0	Rf47 = 0.0	Rf48 = 0.0
Rf49 = 0.0	Rf50 = 0.0	Rf51 = 0.0	Rf52 = 0.0
Rf53 = 0.0	Rf54 = 1.8	Rf55 = 0.2	Rf56 = 0.0
Rf57 = 0.0	Rf58 = 0.0	Rf59 = 1.1	Rf60 = 38.5
Rf61 = 31.2	Rf62 = 1.7	Rf63 = 0.0	Rf64 = 0.0
Rf65 = 0.0	Rf66 = 0.0	Rf67 = 0.0	Rf68 = 0.0
Rf69 = 1.7	Rf70 = 0.0	Rf71 = 0.0	Rf72 = 0.9
Rf73 = 0.0	Rf74 = 46.1	Rf75 = 0.0	Rf76 = 0.0
Rf77 = 0.0	Rf78 = 0.0	Rf79 = 0.0	Rf80 = 0.0
Rf81 = 0.0	Rf82 = 0.0	Rf83 = 0.0	Rf84 = 16.7
Rf85 = 0.0	Rf86 = 0.0	Rf87 = 0.0	Rf88 = 0.0
Rf89 = 0.0	Rf90 = 0.0	Rf91 = 1.4	Rf92 = 0.0
Rf93 = 0.0	Rf94 = 0.0	Rf95 = 0.0	Rf96 = 0.0
Rf97 = 0.0	Rf98 = 0.0	Rf99 = 0.0	

Spectrum Test Report

Sample :
Specification : EKF5RGBW110-RGB
Sample No. : 27
Manufacturer :

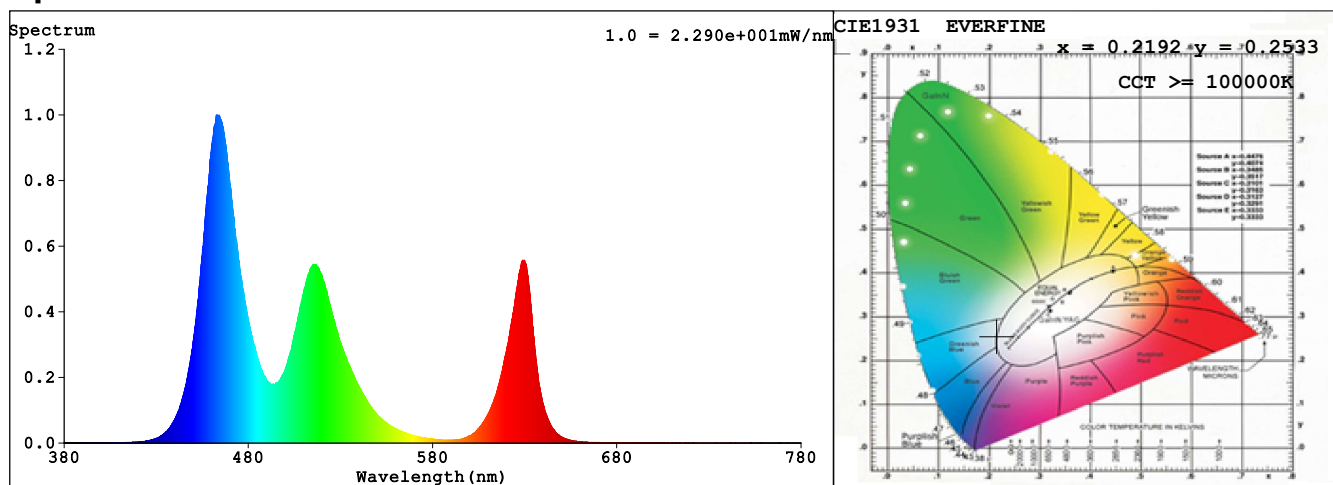
Date : 2023-03-14
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : QC
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 55.0%
IP : 51483 (79%)
T : 1560 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2192$ $y = 0.2533$ / $u' = 0.1565$ $v' = 0.4070$ ($duv=2.47e-02$)

CCT>=100000K Prcp WL: $L_d=482.0nm$ Purity=45.5%

Peak WL: $L_p=463nm$ FWHM: =22.5nm Ratio:R=17.7% G=68.2% B=14.2%

Render Index: $R_a = 61.3$ TM30:Rf=52 Rg=103

R1 =58 R2 =65 R3 =66 R4 =74 R5 =76 R6 =62 R7 =59

R8 =30 R9 =0 R10=13 R11=68 R12=66 R13=53 R14=77 R15=40

LEVEL:OUT

Photometric & Radiometric Parameters

Flux = 284.95 lm Eff. : 37.58 lm/W $F_e = 1.2748 W$

Electrical parameters

V = 24.00 V I = 0.3160 A P = 7.583 W PF = 1.000

Freq=0.00 Hz

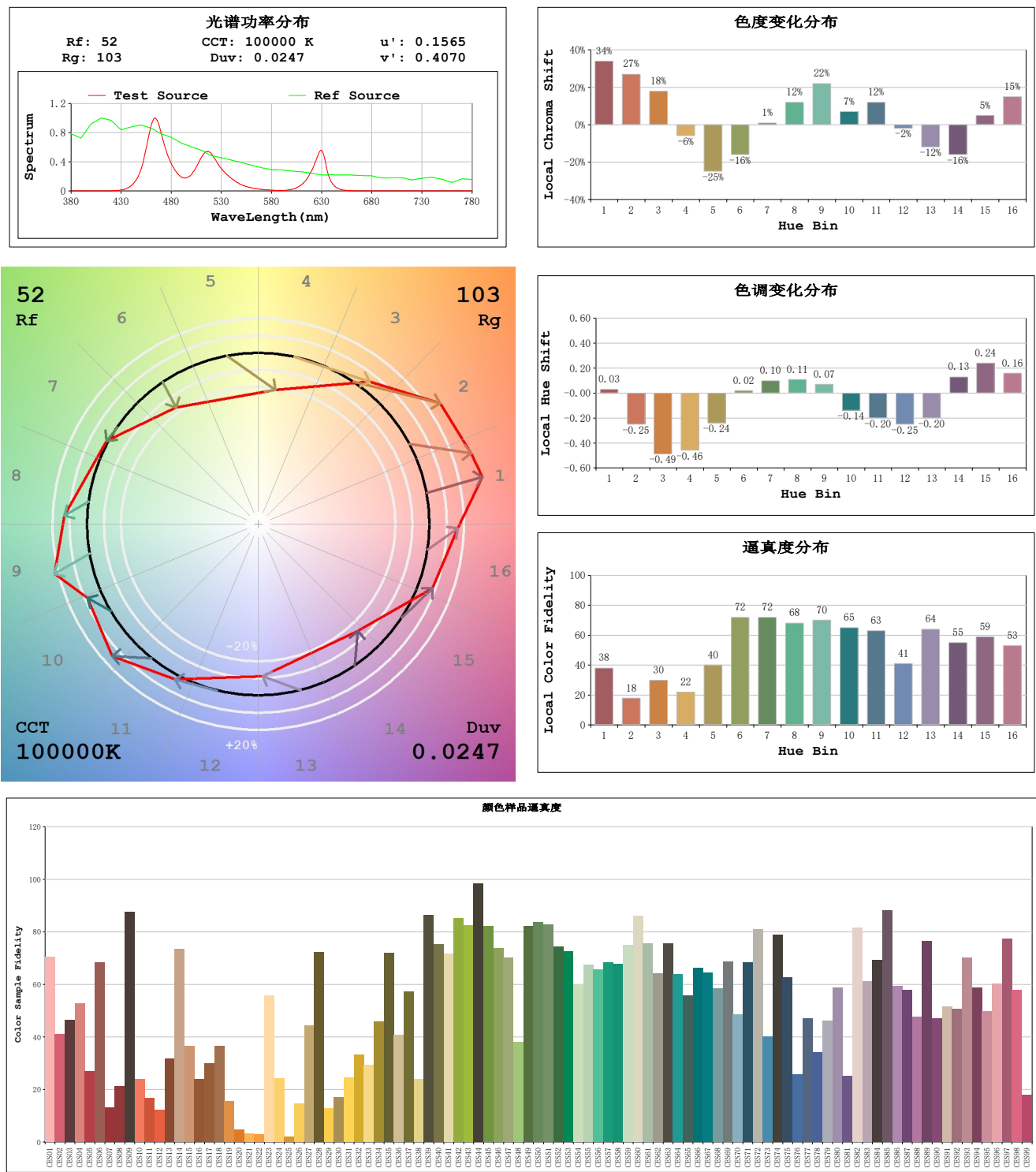
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TM30

视角:2 度



All Rf:

Rf1 = 70.3	Rf2 = 41.2	Rf3 = 46.5	Rf4 = 52.8
Rf5 = 27.0	Rf6 = 68.6	Rf7 = 13.1	Rf8 = 21.3
Rf9 = 87.7	Rf10 = 24.0	Rf11 = 16.8	Rf12 = 12.5
Rf13 = 31.8	Rf14 = 73.5	Rf15 = 36.8	Rf16 = 23.9
Rf17 = 29.9	Rf18 = 36.7	Rf19 = 15.6	Rf20 = 4.6
Rf21 = 3.3	Rf22 = 3.1	Rf23 = 56.0	Rf24 = 24.2
Rf25 = 2.1	Rf26 = 14.5	Rf27 = 44.4	Rf28 = 72.3
Rf29 = 13.0	Rf30 = 17.3	Rf31 = 24.6	Rf32 = 33.2
Rf33 = 29.4	Rf34 = 45.9	Rf35 = 71.9	Rf36 = 40.7
Rf37 = 57.3	Rf38 = 24.0	Rf39 = 86.3	Rf40 = 75.3
Rf41 = 71.6	Rf42 = 85.2	Rf43 = 82.5	Rf44 = 98.4
Rf45 = 82.2	Rf46 = 73.8	Rf47 = 70.2	Rf48 = 38.2
Rf49 = 82.2	Rf50 = 83.8	Rf51 = 82.9	Rf52 = 74.5
Rf53 = 72.5	Rf54 = 59.9	Rf55 = 67.5	Rf56 = 65.7
Rf57 = 68.4	Rf58 = 67.7	Rf59 = 75.1	Rf60 = 86.0
Rf61 = 75.7	Rf62 = 64.1	Rf63 = 75.7	Rf64 = 63.9
Rf65 = 55.9	Rf66 = 66.5	Rf67 = 64.4	Rf68 = 58.5
Rf69 = 68.8	Rf70 = 48.7	Rf71 = 68.6	Rf72 = 80.9
Rf73 = 40.1	Rf74 = 78.9	Rf75 = 62.7	Rf76 = 25.7
Rf77 = 47.0	Rf78 = 34.1	Rf79 = 46.1	Rf80 = 58.9
Rf81 = 25.1	Rf82 = 81.6	Rf83 = 61.3	Rf84 = 69.4
Rf85 = 88.3	Rf86 = 59.3	Rf87 = 57.9	Rf88 = 47.7
Rf89 = 76.5	Rf90 = 47.2	Rf91 = 51.5	Rf92 = 50.8
Rf93 = 70.2	Rf94 = 58.8	Rf95 = 49.9	Rf96 = 60.3
Rf97 = 77.4	Rf98 = 57.9	Rf99 = 18.0	

Spectrum Test Report

Sample :
Specification : EKF5RGBW110-2700K
Sample No. : 28
Manufacturer :

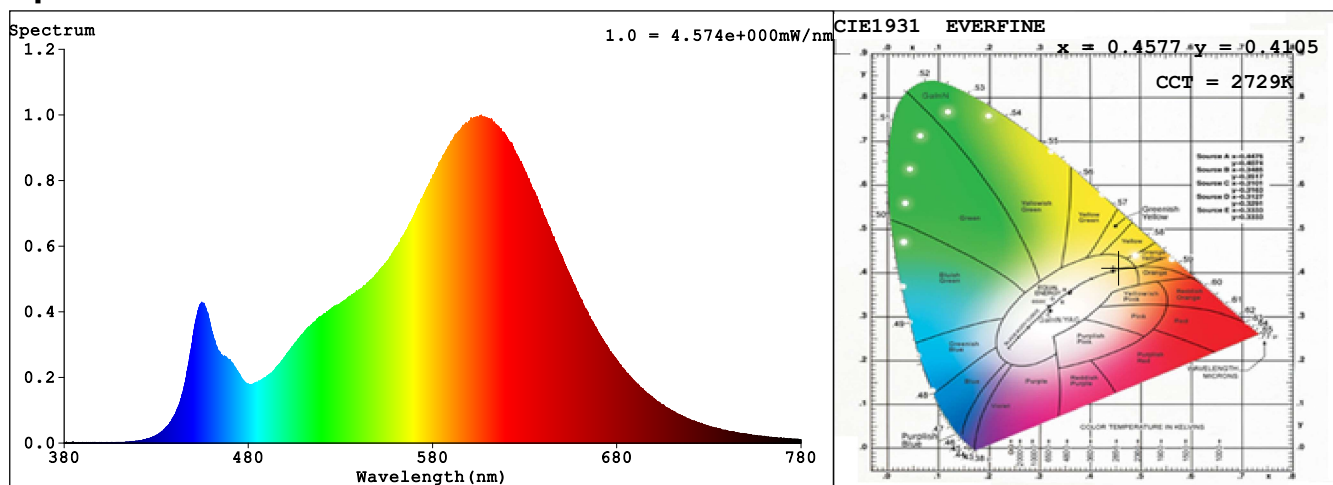
Date : 2023-03-14
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : QC
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 55.0%
IP : 52108 (80%)
T : 1258 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4577$ $y = 0.4105$ / $u' = 0.2612$ $v' = 0.5270$ ($duv=1.52e-04$)

CCT= 2729K Prcp WL: $L_d=584.0nm$ Purity=60.6%

Peak WL: $L_p=606nm$ FWHM: $=108.8nm$ Ratio:R=24.9% G=72.6% B=2.4%

Render Index: $R_a = 81.8$ TM30:Rf=83 Rg=94

R1 =81 R2 =93 R3 =93 R4 =79 R5 =81 R6 =93 R7 =80

R8 =55 R9 =3 R10=84 R11=79 R12=74 R13=84 R14=97 R15=72

LEVEL:OUT

Photometric & Radiometric Parameters

Flux = 204.58 lm Eff. : 79.97 lm/W $F_e = 617.88 mW$

Electrical parameters

V = 24.00 V I = 0.1066 A P = 2.558 W PF = 1.000

Freq=0.00 Hz

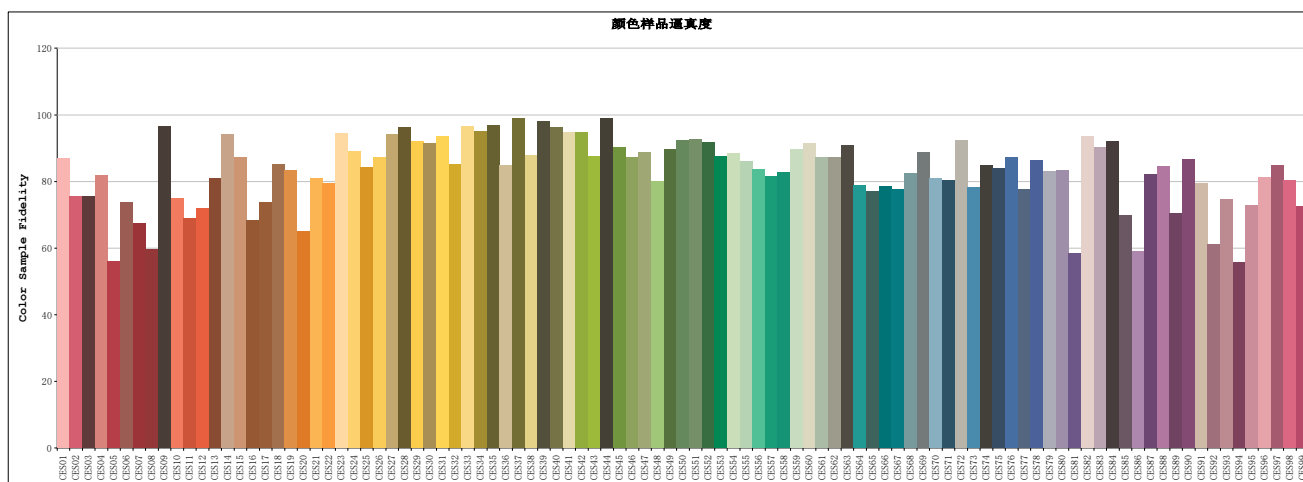
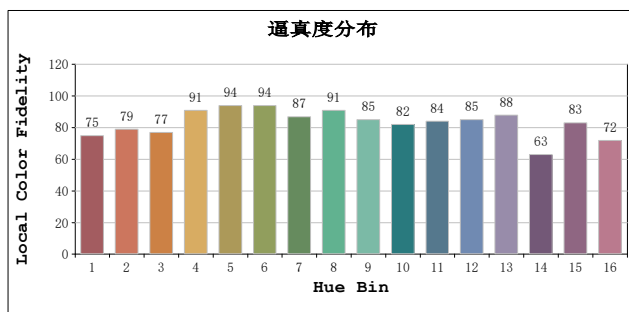
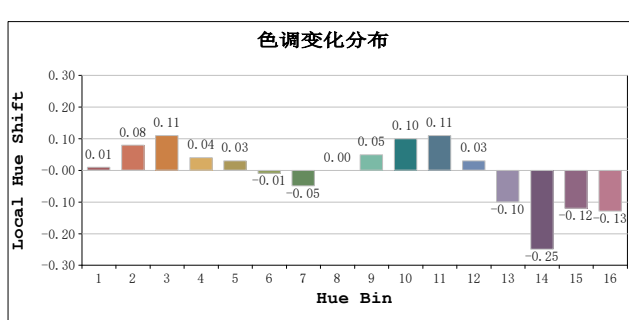
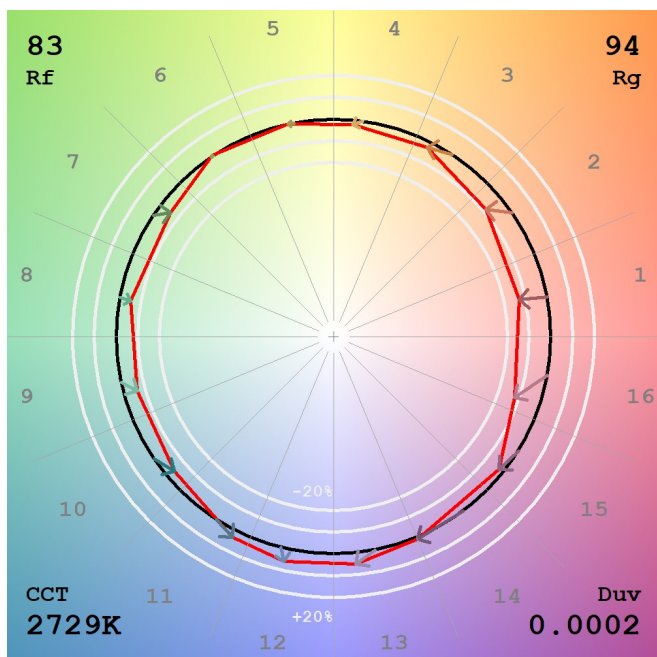
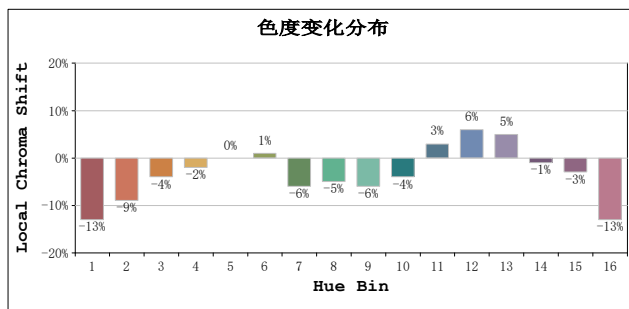
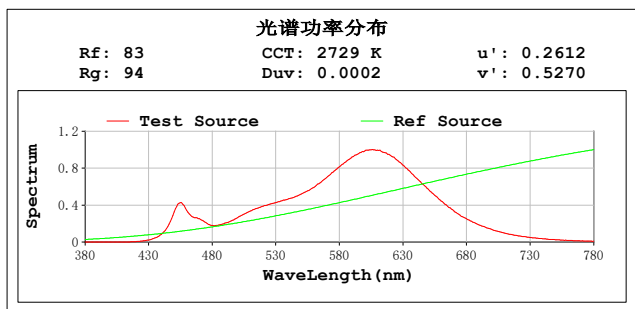
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EVERFINE CORPORATION

<http://www.everfine.cn>

TM30

视场角:2 度



All Rf:

Rf1 = 87.1	Rf2 = 75.7	Rf3 = 75.6	Rf4 = 82.0
Rf5 = 56.3	Rf6 = 73.9	Rf7 = 67.6	Rf8 = 59.8
Rf9 = 96.5	Rf10 = 75.0	Rf11 = 69.1	Rf12 = 72.0
Rf13 = 81.0	Rf14 = 94.2	Rf15 = 87.2	Rf16 = 68.4
Rf17 = 73.7	Rf18 = 85.3	Rf19 = 83.3	Rf20 = 65.2
Rf21 = 81.1	Rf22 = 79.6	Rf23 = 94.6	Rf24 = 89.2
Rf25 = 84.4	Rf26 = 87.5	Rf27 = 94.2	Rf28 = 96.2
Rf29 = 92.1	Rf30 = 91.5	Rf31 = 93.5	Rf32 = 85.2
Rf33 = 96.5	Rf34 = 95.2	Rf35 = 96.8	Rf36 = 84.7
Rf37 = 99.1	Rf38 = 87.9	Rf39 = 98.1	Rf40 = 96.2
Rf41 = 94.7	Rf42 = 94.7	Rf43 = 87.8	Rf44 = 98.9
Rf45 = 90.2	Rf46 = 87.5	Rf47 = 88.9	Rf48 = 80.1
Rf49 = 89.6	Rf50 = 92.6	Rf51 = 92.9	Rf52 = 91.7
Rf53 = 87.5	Rf54 = 88.5	Rf55 = 86.2	Rf56 = 83.7
Rf57 = 81.7	Rf58 = 83.0	Rf59 = 89.9	Rf60 = 91.5
Rf61 = 87.4	Rf62 = 87.3	Rf63 = 90.9	Rf64 = 79.0
Rf65 = 77.2	Rf66 = 78.6	Rf67 = 77.7	Rf68 = 82.4
Rf69 = 88.9	Rf70 = 81.0	Rf71 = 80.5	Rf72 = 92.6
Rf73 = 78.2	Rf74 = 84.7	Rf75 = 84.1	Rf76 = 87.4
Rf77 = 77.8	Rf78 = 86.5	Rf79 = 83.1	Rf80 = 83.5
Rf81 = 58.6	Rf82 = 93.6	Rf83 = 90.3	Rf84 = 92.0
Rf85 = 70.0	Rf86 = 59.0	Rf87 = 82.3	Rf88 = 84.5
Rf89 = 70.5	Rf90 = 86.6	Rf91 = 79.4	Rf92 = 61.1
Rf93 = 74.7	Rf94 = 55.8	Rf95 = 72.8	Rf96 = 81.2
Rf97 = 84.9	Rf98 = 80.4	Rf99 = 72.6	

Spectrum Test Report

Sample :
Specification : EKF5RGBW110-RGB+2700K
Sample No. : 29
Manufacturer :

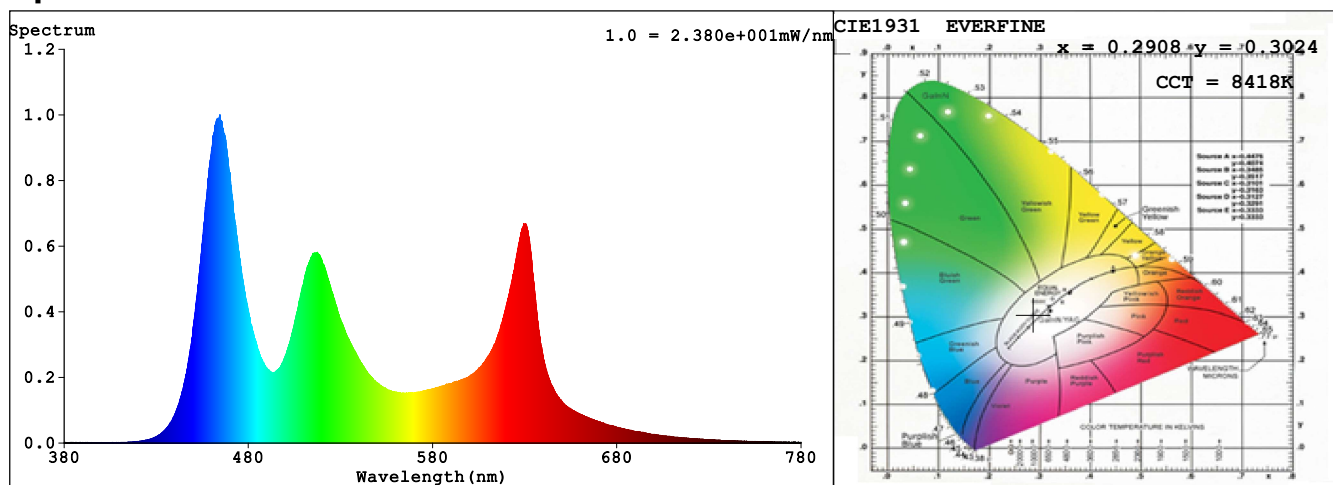
Date : 2023-03-14
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : QC
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 55.0%
IP : 53517 (82%)
T : 268 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2908$ $y = 0.3024$ / $u' = 0.1924$ $v' = 0.4500$ ($duv=1.25e-03$)

CCT= 8418K Prcp WL: $L_d=481.6nm$ Purity=17.1%

Peak WL: $L_p=465nm$ FWHM: $=24.1nm$ Ratio:R=20.3% G=70.4% B=9.4%

Render Index: $R_a = 65.3$ TM30:Rf=69 Rg=106

R1 =55 R2 =71 R3 =82 R4 =65 R5 =65 R6 =64 R7 =73

R8 =48 R9 =0 R10=32 R11=56 R12=62 R13=56 R14=88 R15=50

LEVEL:OUT

Photometric & Radiometric Parameters

Flux = 481.79 lm Eff. : 47.68 lm/W $Fe = 1.8635 W$

Electrical parameters

V = 24.00 V I = 0.4211 A P = 10.11 W PF = 1.000

Freq=0.00 Hz

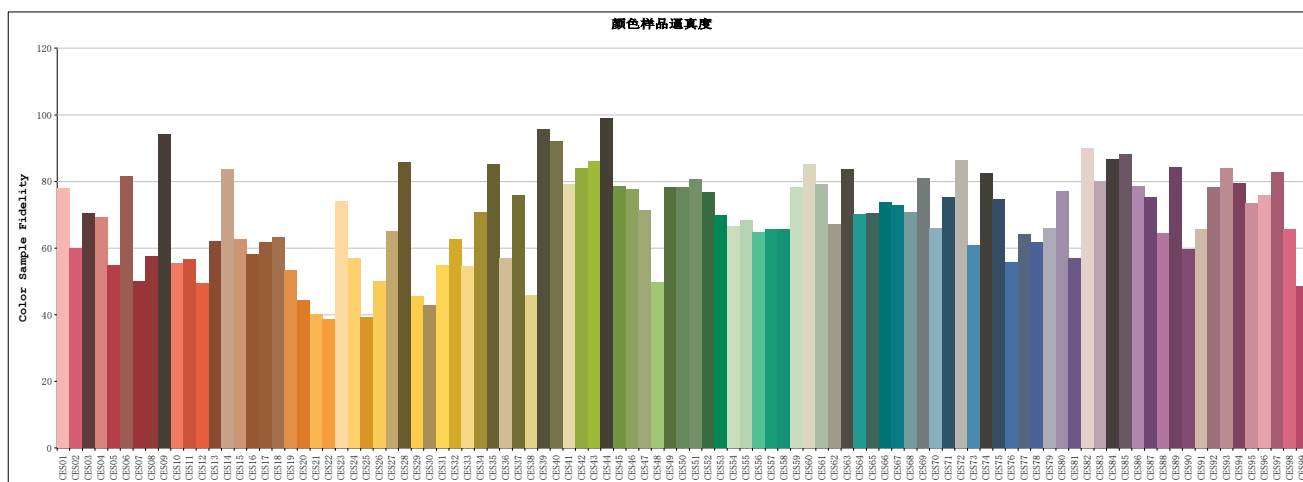
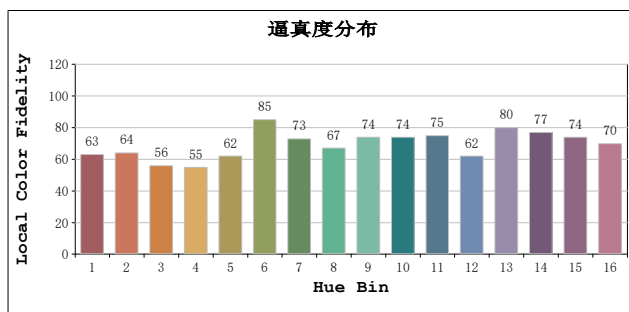
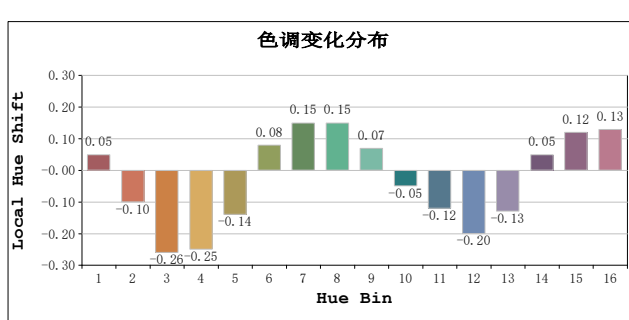
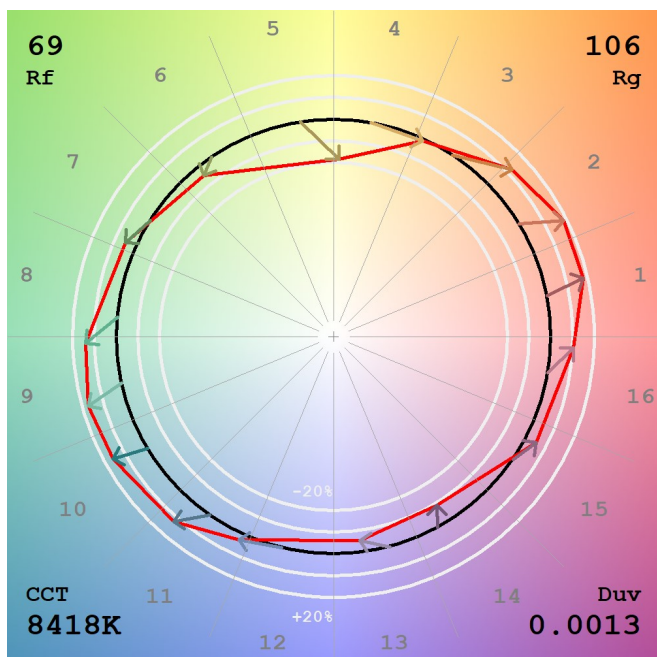
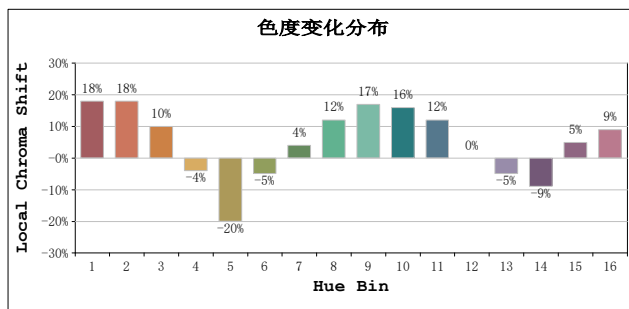
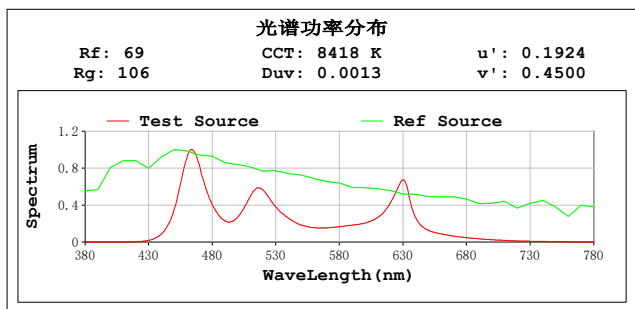
GBT5702

EVERFINE CORPORATION

<http://www.everfine.cn>

TM30

视场角:2 度



All Rf:

Rf1 = 78.0	Rf2 = 60.1	Rf3 = 70.6	Rf4 = 69.2
Rf5 = 55.0	Rf6 = 81.8	Rf7 = 50.0	Rf8 = 57.7
Rf9 = 94.1	Rf10 = 55.5	Rf11 = 56.8	Rf12 = 49.6
Rf13 = 62.0	Rf14 = 83.7	Rf15 = 62.6	Rf16 = 58.3
Rf17 = 62.0	Rf18 = 63.4	Rf19 = 53.2	Rf20 = 44.5
Rf21 = 40.3	Rf22 = 38.8	Rf23 = 74.0	Rf24 = 57.1
Rf25 = 39.4	Rf26 = 50.2	Rf27 = 65.1	Rf28 = 85.9
Rf29 = 45.6	Rf30 = 42.8	Rf31 = 54.8	Rf32 = 62.6
Rf33 = 54.6	Rf34 = 70.8	Rf35 = 85.2	Rf36 = 57.1
Rf37 = 75.9	Rf38 = 45.8	Rf39 = 95.7	Rf40 = 92.1
Rf41 = 79.3	Rf42 = 84.0	Rf43 = 86.0	Rf44 = 98.9
Rf45 = 78.7	Rf46 = 77.8	Rf47 = 71.3	Rf48 = 49.8
Rf49 = 78.3	Rf50 = 78.5	Rf51 = 80.9	Rf52 = 76.7
Rf53 = 69.9	Rf54 = 66.7	Rf55 = 68.5	Rf56 = 64.8
Rf57 = 65.7	Rf58 = 65.8	Rf59 = 78.5	Rf60 = 85.2
Rf61 = 79.1	Rf62 = 67.1	Rf63 = 83.6	Rf64 = 70.3
Rf65 = 70.6	Rf66 = 73.9	Rf67 = 72.8	Rf68 = 70.9
Rf69 = 81.1	Rf70 = 65.9	Rf71 = 75.4	Rf72 = 86.4
Rf73 = 61.0	Rf74 = 82.4	Rf75 = 74.6	Rf76 = 55.6
Rf77 = 64.1	Rf78 = 62.0	Rf79 = 66.0	Rf80 = 77.0
Rf81 = 57.1	Rf82 = 90.1	Rf83 = 80.1	Rf84 = 86.7
Rf85 = 88.3	Rf86 = 78.6	Rf87 = 75.5	Rf88 = 64.6
Rf89 = 84.3	Rf90 = 59.8	Rf91 = 65.9	Rf92 = 78.4
Rf93 = 84.1	Rf94 = 79.4	Rf95 = 73.4	Rf96 = 75.9
Rf97 = 82.8	Rf98 = 65.9	Rf99 = 48.5	