

Finished Product Test Report

Sample :
Specification : UTFS-HWCOB480-2410WW-3000K
Sample No. : 1
Manufacturer :

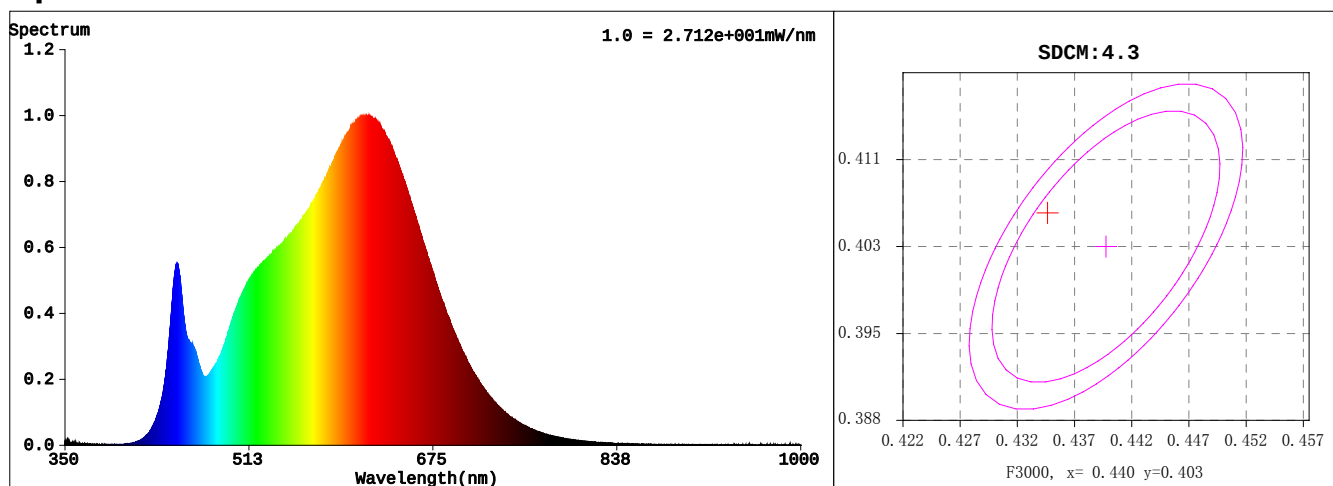
Date : 2020-09-12 11:20:19
Sam Status : 3000K
Instrument : HAAS-2000(EVERFINE)
Test by : CHM
Assessor : damin

Test Condition

Temprature : 25.3Deg
WL Range : 350nm-1000nm
Test Mode : Fast Test

RH : 65.0%
IP : 52638 (80%)
T : 455 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4349$ $y = 0.4059$ / $u' = 0.2485$ $v' = 0.5218$ ($duv=1.03e-03$) $Dx, Dy: 0.0015, 0.0031$

CCT= 3050K Prcp WL: $L_d=582.3nm$ Purity=52.4%

Peak WL: $L_p=618nm$ FWHM: $=164.9nm$ Ratio: $R=23.8\%$ $G=73.4\%$ $B=2.8\%$

Render Index: $R_a = 92.2$

$R1 = 92$ $R2 = 95$ $R3 = 98$ $R4 = 93$ $R5 = 92$ $R6 = 95$ $R7 = 92$

$R8 = 80$ $R9 = 53$ $R10 = 89$ $R11 = 95$ $R12 = 82$ $R13 = 93$ $R14 = 99$ $R15 = 87$

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1377.1 lm Eff. : 94.48 lm/W $F_e = 4.6741 W$

(EQE):366.54%

Flux of emitted photons($\mu mol/s$):22.893 Fluo. and blue light ratio:11.03 Fluorescent eff.:294.1

A: $9.1697e-001mW$

B: $4.6741e+003mW$

Electrical parameters

$V = 24.00 V$ $I = 0.6074 A$ $P = 14.58 W$ PF = 1.000

Freq=0.00 Hz

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Specification : UTFS-HWCOB480-2410WW-3000K
Sample No. : 1
Manufacturer :

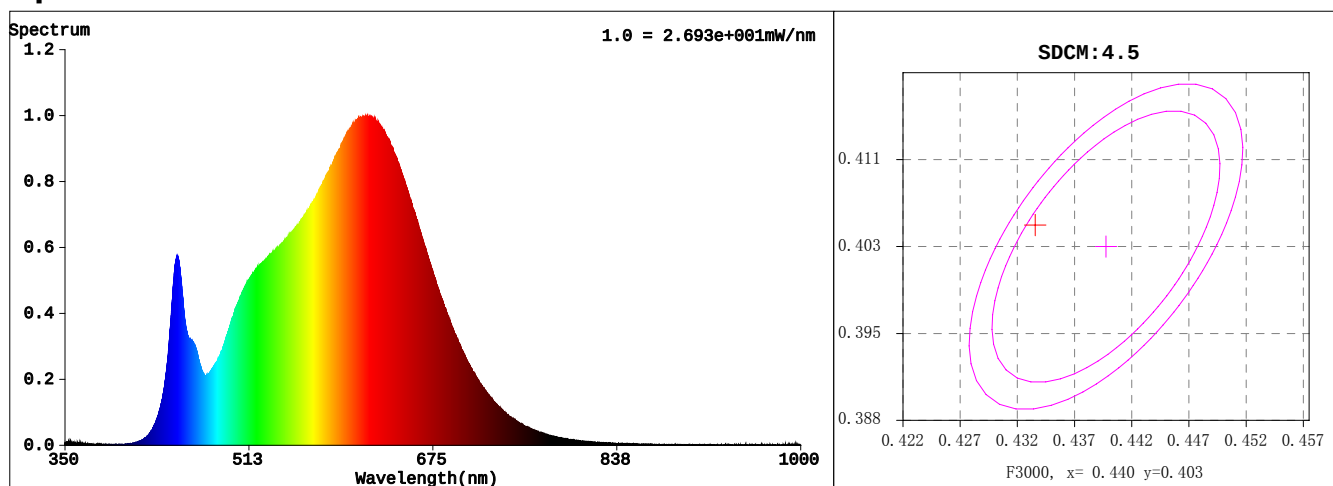
Date : 2020-09-12 11:22:08
Sam Status : 3000K
Instrument : HAAS-2000(EVERFINE)
Test by : CHM
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 350nm-1000nm
Test Mode : Fast Test

RH : 65.0%
IP : 52245 (80%)
T : 455 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4338$ $y = 0.4049$ / $u' = 0.2482$ $v' = 0.5212$ ($duv=7.62e-04$) $Dx, Dy: 0.0011, 0.0023$

CCT= 3060K Prpc WL: $L_d=582.3nm$ Purity=51.7%

Peak WL: $L_p=617nm$ FWHM: $=165.7nm$ Ratio: $R=23.8\%$ $G=73.3\%$ $B=2.9\%$

Render Index: $R_a = 92.5$

$R1 = 92$ $R2 = 96$ $R3 = 99$ $R4 = 93$ $R5 = 92$ $R6 = 95$ $R7 = 92$

$R8 = 80$ $R9 = 54$ $R10 = 90$ $R11 = 95$ $R12 = 82$ $R13 = 93$ $R14 = 99$ $R15 = 87$

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1368.0 lm Eff. : 94.66 lm/W $F_e = 4.6499 W$

(EQE):367.65%

Flux of emitted photons($\mu mol/s$):22.771 Flu. and blue light ratio:10.78 Fluorescent eff.:294.5

A: $9.5519e-001mW$

B: $4.6499e+003mW$

Electrical parameters

V = 24.00 V I = 0.6022 A P = 14.45 W PF = 1.000

Freq=0.00 Hz

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Specification : UTFS-HWCOB480-2410WW-3000K
Sample No. : 1
Manufacturer :

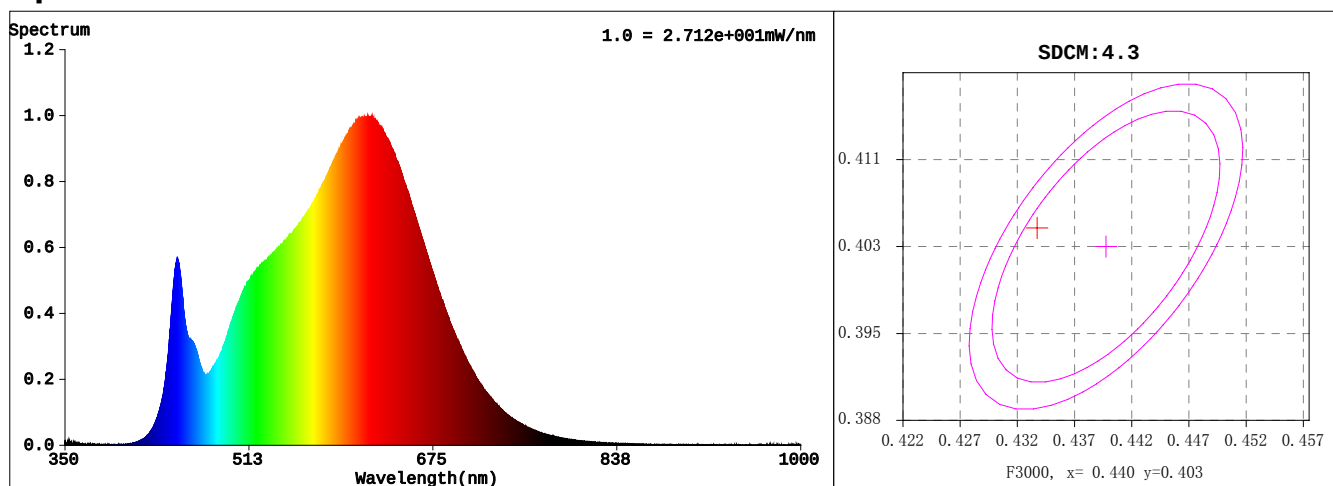
Date : 2020-09-12 11:22:45
Sam Status : 3000K
Instrument : HAAS-2000(EVERFINE)
Test by : CHM
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 350nm-1000nm
Test Mode : Fast Test

RH : 65.0%
IP : 52435 (80%)
T : 455 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4340$ $y = 0.4046$ / $u' = 0.2484$ $v' = 0.5212$ ($duv=6.34e-04$) $Dx, Dy: 0.0009, 0.0019$

CCT= 3055K Prpc WL: $L_d=582.4nm$ Purity=51.7%

Peak WL: $L_p=621nm$ FWHM: $=165.0nm$ Ratio: $R=23.8\%$ $G=73.3\%$ $B=2.9\%$

Render Index: $R_a = 92.5$

$R1 = 92$ $R2 = 96$ $R3 = 99$ $R4 = 93$ $R5 = 92$ $R6 = 95$ $R7 = 92$

$R8 = 80$ $R9 = 54$ $R10 = 90$ $R11 = 95$ $R12 = 82$ $R13 = 93$ $R14 = 99$ $R15 = 87$

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1372.9 lm Eff. : 95.13 lm/W $F_e = 4.6711 W$

(EQE):369.86%

Flux of emitted photons($\mu mol/s$):22.874 Fluo. and blue light ratio:10.86 Fluorescent eff.:296.4

A: $9.1347e-001mW$

B: $4.6711e+003mW$

Electrical parameters

V = 24.00 V I = 0.6014 A P = 14.43 W PF = 1.000

Freq=0.00 Hz