

Spectrum Test Report

Sample :
Specification : ETL8979WH-5CCT
Sample No. : 1
Manufacturer : Royal Pacific Ltd.
Instrument number N-01

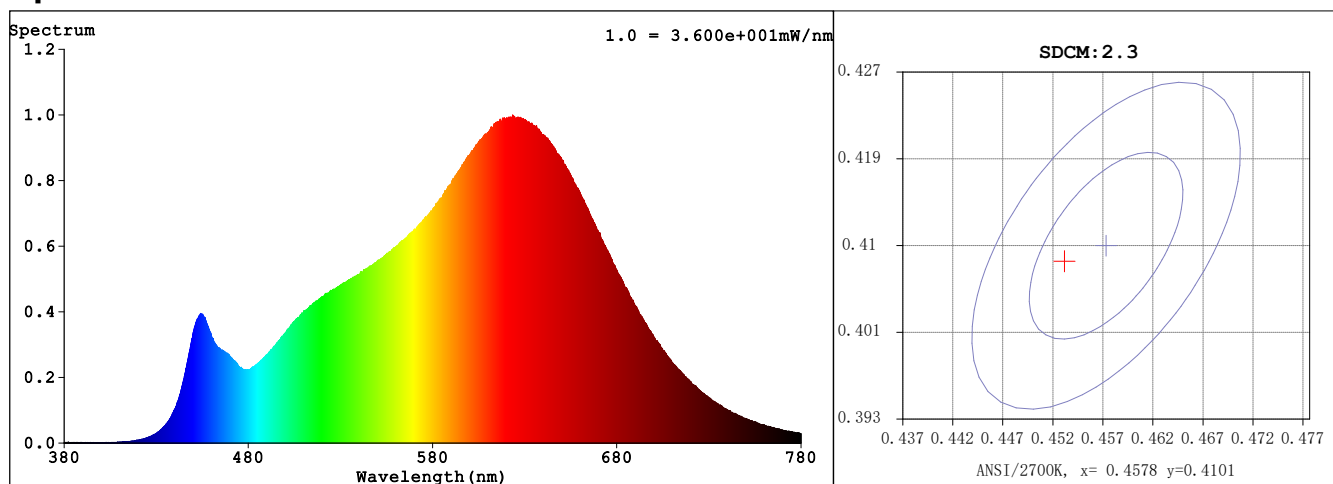
Date : 2025-08-12 17:33:35
Sam Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 51268 (78%)
T : 1295 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4537$ $y = 0.4086$ / $u' = 0.2594$ $v' = 0.5256$ ($duv = -2.12e-04$)

CCT= 2773K Prpc WL: Ld=583.9nm Purity=58.8%

Peak WL: Lp=624nm FWHM: =147.9nm Ratio:R=26.3% G=70.9% B=2.8%

Render Index: Ra = 95.0 TM30:Rf=93 Rg=99

R1 =96 R2 =99 R3 =98 R4 =96 R5 =97 R6 =97 R7 =92

R8 =85 R9 =68 R10=98 R11=98 R12=86 R13=98 R14=100 R15=92

WHITE:ANSI_2700K

TLCI = 93.8

Photometric & Radiometric Parameters

Flux = 1639.9 lm Eff. : 80.19 lm/W Fe = 5.8302 W

(EQE):1607.8%

Kred: 0.18189

Electrical parameters

V = 120.1 V I = 0.1748 A P = 20.45 W PF = 0.9742

Freq=60.01 Hz

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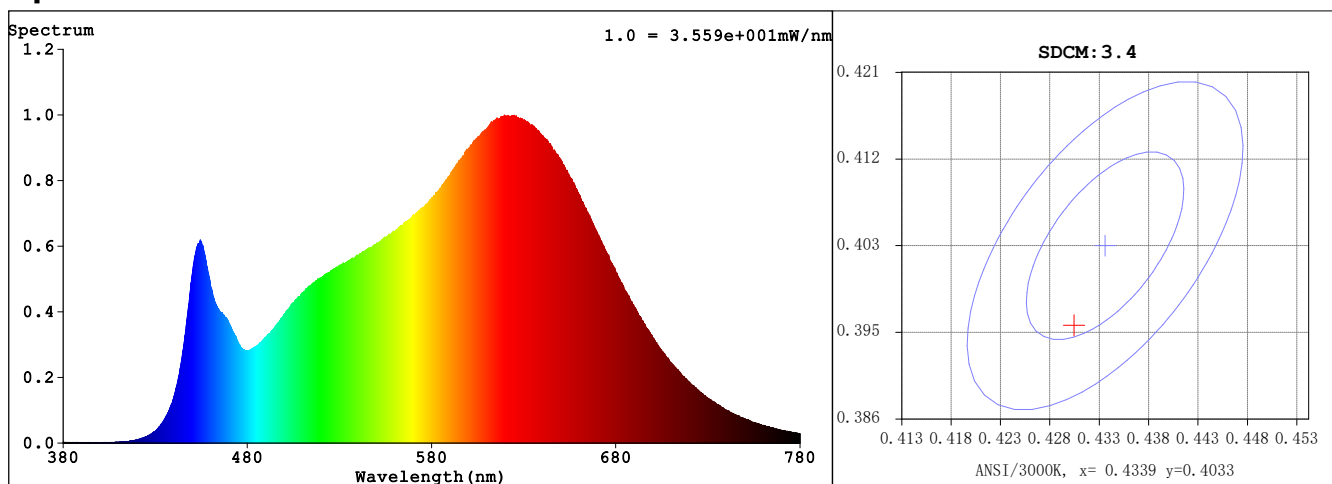
Date : 2025-08-12 17:34:19
Sam Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 51086 (78%)
T : 1295 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4308$ $y = 0.3952$ / $u' = 0.2504$ $v' = 0.5169$ ($duv = -2.71e-03$)

CCT= 3033K Prcp WL: $L_d = 583.7nm$ Purity=47.9%

Peak WL: $L_p = 620nm$ FWHM: $= 163.1nm$ Ratio: R=24.8% G=71.8% B=3.4%

Render Index: $R_a = 95.5$ TM30: $R_f = 93$ $R_g = 100$

R1 =98 R2 =99 R3 =98 R4 =97 R5 =98 R6 =95 R7 =92

R8 =88 R9 =75 R10=99 R11=98 R12=83 R13=99 R14=100 R15=95

WHITE:ANSI_3000K

TLCI = 94.9

Photometric & Radiometric Parameters

Flux = 1729.7 lm Eff. : 85.57 lm/W $F_e = 6.1479 W$

(EQE):1695.8%

Kred: 0.17100

Electrical parameters

V = 120.1 V I = 0.1729 A P = 20.21 W PF = 0.9736

Freq=60.01 Hz

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Instrument number N-01

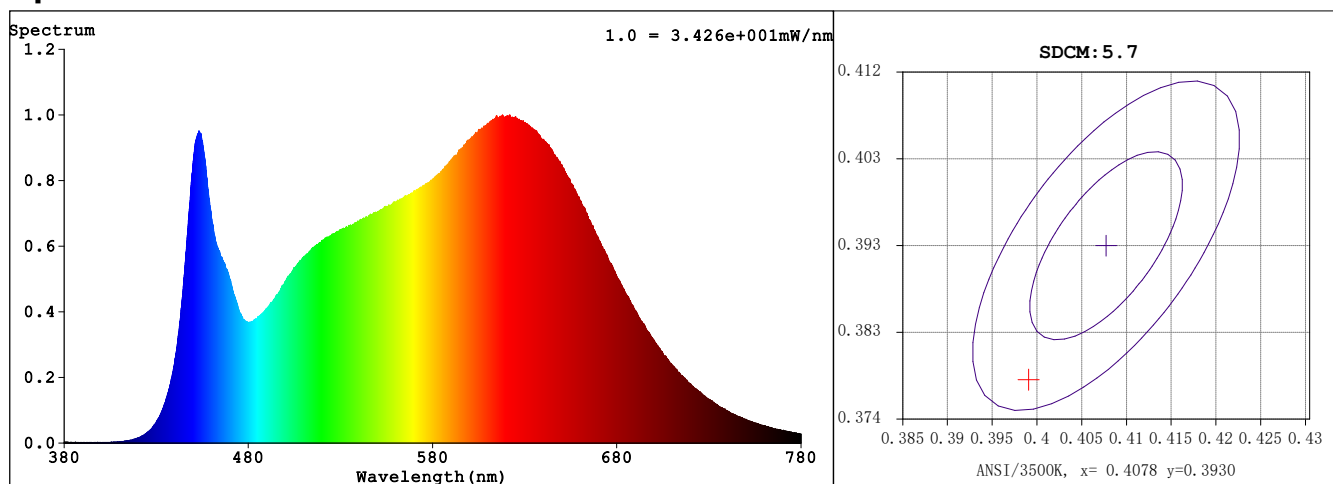
Date : 2025-08-12 17:34:36
Sam Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 49325 (75%)
T : 1295 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3991$ $y = 0.3780$ / $u' = 0.2369$ $v' = 0.5049$ ($duv = -4.30e-03$)

CCT= 3534K Prpc WL: $L_d = 582.9nm$ Purity=33.2%

Peak WL: $L_p = 622nm$ FWHM: $= 180.1nm$ Ratio: R=22.4% G=73.4% B=4.1%

Render Index: $R_a = 96.1$ TM30: $R_f = 93$ $R_g = 101$

R1 =98 R2 =98 R3 =98 R4 =97 R5 =98 R6 =95 R7 =94

R8 =91 R9 =82 R10=98 R11=98 R12=79 R13=99 R14=99 R15=97

WHITE:ANSI_3500K

TLCI = 95.7

Photometric & Radiometric Parameters

Flux = 1848.5 lm Eff. : 93.54 lm/W $F_e = 6.5362 W$

(EQE):1811%

Kred: 0.15330

Electrical parameters

V = 120.1 V I = 0.1692 A P = 19.76 W PF = 0.9725

Freq=60.01 Hz

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Instrument number N-01

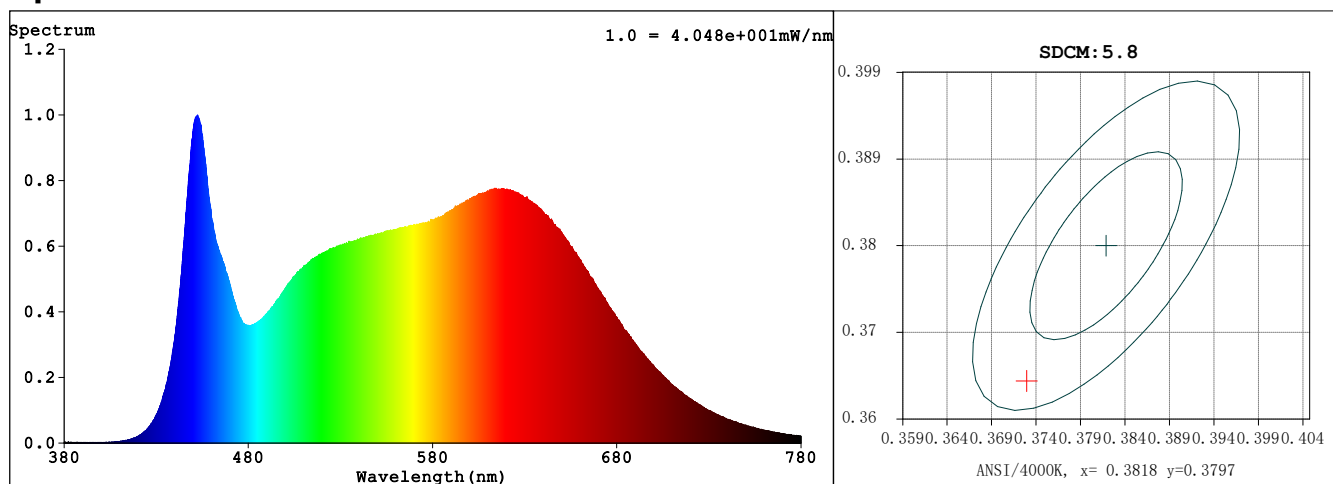
Date : 2025-08-12 17:35:28
Sam Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 57625 (88%)
T : 1295 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3729$ $y = 0.3645$ / $u' = 0.2250$ $v' = 0.4949$ ($duv = -3.58e-03$)

CCT= 4125K Prcp WL: Ld=581.0nm Purity=21.3%

Peak WL: Lp=452nm FWHM: =25.9nm Ratio:R=20.2% G=75.1% B=4.7%

Render Index: Ra = 96.2 TM30:Rf=93 Rg=101

R1 =98 R2 =99 R3 =98 R4 =97 R5 =97 R6 =95 R7 =95

R8 =92 R9 =83 R10=97 R11=97 R12=75 R13=99 R14=99 R15=97

WHITE:ANSI_4000K

TLCI = 95.2

Photometric & Radiometric Parameters

Flux = 1891.8 lm Eff. : 94.56 lm/W Fe = 6.6387 W

(EQE):1789%

Kred: 0.13650

Electrical parameters

V = 120.1 V I = 0.1711 A P = 20.01 W PF = 0.9732

Freq=60.01 Hz

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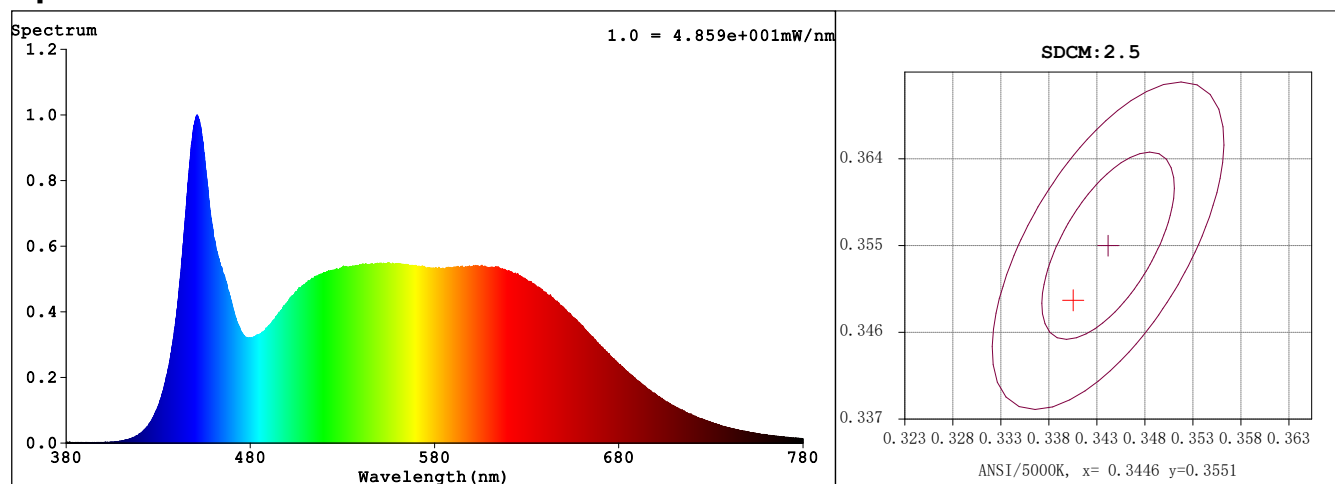
Date : 2025-08-12 17:36:03
Sam Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52458 (80%)
T : 994 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3410$ $y = 0.3494$ / $u' = 0.2095$ $v' = 0.4830$ ($duv=5.85e-04$)

CCT= 5155K Prpc WL: $L_d=569.4nm$ Purity=7.1%

Peak WL: $L_p=451nm$ FWHM: $=24.5nm$ Ratio:R=17.0% G=77.6% B=5.4%

Render Index: $R_a = 93.5$ TM30:Rf=92 Rg=100

R1 =94 R2 =96 R3 =95 R4 =94 R5 =94 R6 =92 R7 =95

R8 =88 R9 =69 R10=89 R11=94 R12=73 R13=95 R14=97 R15=93

WHITE:ANSI_5000K

TLCI = 94.1

Photometric & Radiometric Parameters

Flux = 1838.9 lm Eff. : 89.53 lm/W $Fe = 6.3443 W$

(EQE):1629.8%

Kred: 0.11284

Electrical parameters

V = 120.1 V I = 0.1755 A P = 20.54 W PF = 0.9745

Freq=60.01 Hz