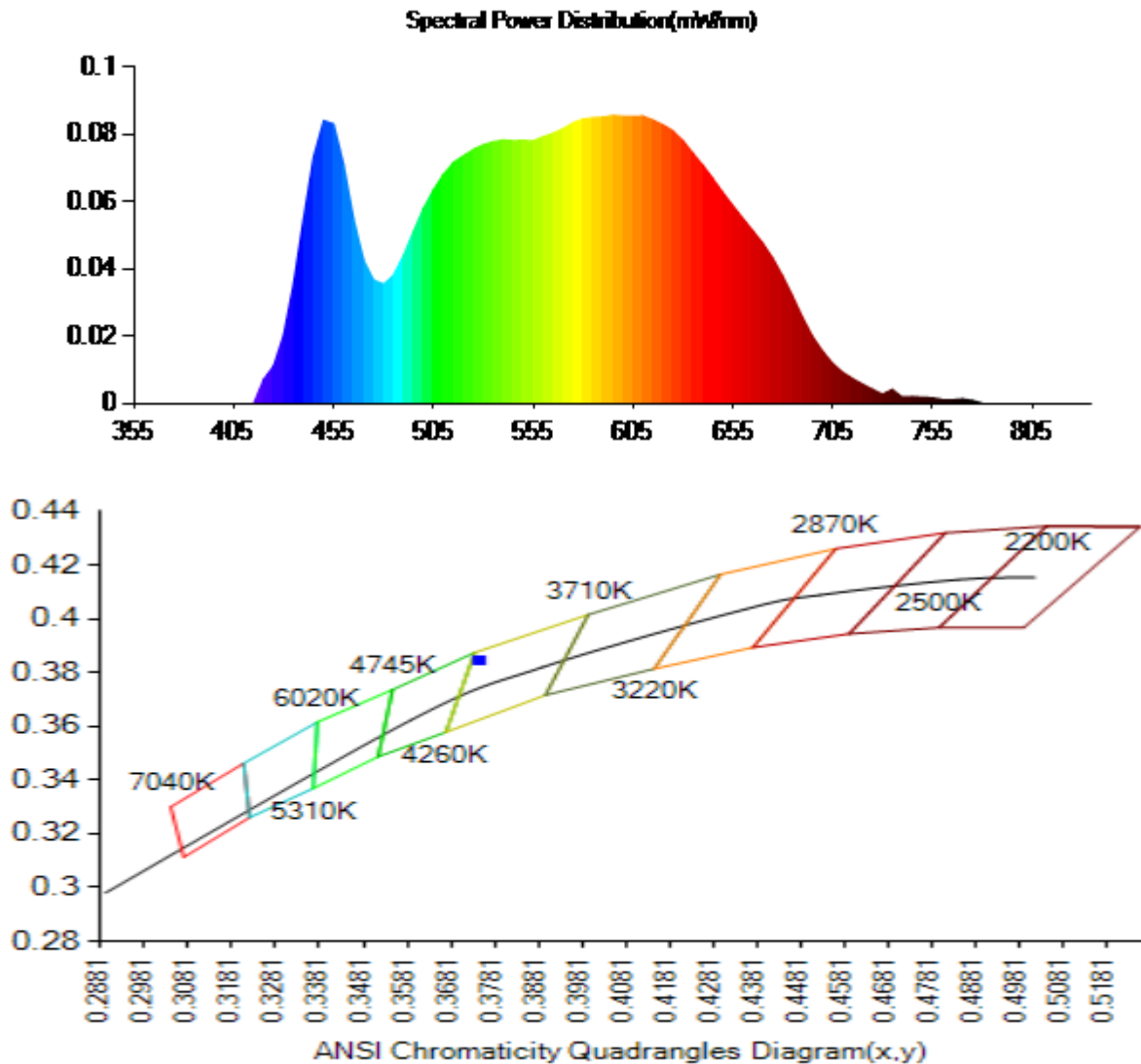


# INTEGRATING SPHERE PHOTOMETRY LM-79 TEST REPORT

|          |           |                            |
|----------|-----------|----------------------------|
| Name :   | Category: | Weight:                    |
| Dimen :  | Spec :    | Ser.No:                    |
| Manuf. : | Remarks : | Date :5/12/2025 6:39:41 AM |



## Color Parameters:

CIE x: 0.3747, y: 0.3845, u: 0.2183, v: 0.5041, Duv: 0.0053

CCT: 4293K,  $\lambda_d$ (Dom.W): 575.4,  $\lambda_p$ (Peak.W): 595,  $P_e$ (Purity): 28.%

Tristimulus Values(Relative) TRI-X: 97 TRI-Y: 100 TRI-Z: 65

Luminous Flux (lm): 4584, Visible Radiant Energy(mw): 18619 SDCM: 36.3

Color Rendering Index CRI (Avg) Ra: 90

R1= 89 R2= 93 R3= 96 R4= 91 R5= 89 R6= 90 R7= 94

R8= 82      R9= 50      R10= 83      R11= 91      R12= 89      R13= 90      R14= 97

AC Electrical Parameters:

Vrms: 23.90,    Iac: 0.00,    Watt: 0,    Freq(Hz): 50.02

Power Factor: 0.0000,    VTHD(%): 1.85,    ITHD(%):0.00,    Efficacy(Lm/w):150

-----

Test.Temp: 34°C

Stabilization Time: 1 Mins

SPECTRAL POWER DISTRIBUTION VALUES

|                           |                         |                           |
|---------------------------|-------------------------|---------------------------|
| 360: 0                    | 500: 0.0579303299411588 | 640: 0.070744090945826    |
| 365: 0                    | 505: 0.0633567878679729 | 645: 0.0667971048012201   |
| 370: 0                    | 510: 0.0680154991601437 | 650: 0.0626810802207882   |
| 375: 0                    | 515: 0.0715424894558122 | 655: 0.0587970079840775   |
| 380: 0                    | 520: 0.0735133291849427 | 660: 0.0550126917345539   |
| 385: 0                    | 525: 0.0754043964975676 | 665: 0.0513603484502039   |
| 390: 0                    | 530: 0.0767591981305574 | 670: 0.0476343126650304   |
| 395: 0                    | 535: 0.0776487669726789 | 675: 0.0431725092207315   |
| 400: 0                    | 540: 0.0781733487802866 | 680: 0.0378200598725608   |
| 405: 0                    | 545: 0.0779617425872953 | 685: 0.0318728798880044   |
| 410: 0                    | 550: 0.078025341943271  | 690: 0.0255272386250969   |
| 415: -0.00158380025041655 | 555: 0.0779325719271918 | 695: 0.0198737316222405   |
| 420: 0.00716177704365146  | 560: 0.0791211439031193 | 700: 0.0155686795223032   |
| 425: 0.0112233753037276   | 565: 0.0801788166628964 | 705: 0.0119493122527341   |
| 430: 0.0204108291793486   | 570: 0.0815778745148254 | 710: 0.00928844411820013  |
| 435: 0.0357308888950678   | 575: 0.0833228051150576 | 715: 0.00733329797024195  |
| 440: 0.0551029633244295   | 580: 0.0844063697880551 | 720: 0.00568490516221403  |
| 445: 0.0733701771614643   | 585: 0.0847845586767897 | 725: 0.00415757265403233  |
| 450: 0.0839809637619903   | 590: 0.0849553993131885 | 730: 0.00267982314884509  |
| 455: 0.0829405801173173   | 595: 0.0854802580447911 | 735: 0.00411091795366134  |
| 460: 0.0708387472054058   | 600: 0.0851943859997131 | 740: 0.00178861842503637  |
| 465: 0.0546251795824036   | 605: 0.0851571668208131 | 745: 0.00192912572551017  |
| 470: 0.04251086225513     | 610: 0.0852990010324194 | 750: 0.00174453460390531  |
| 475: 0.0365898254111069   | 615: 0.0841202522309943 | 755: 0.00163850840567999  |
| 480: 0.0353728210914372   | 620: 0.0827272486737674 | 760: 0.00109210929794832  |
| 485: 0.0380399847498018   | 625: 0.0809697703893165 | 765: 0.000993483599597125 |
| 490: 0.0439014159654035   | 630: 0.0781186379948539 | 770: 0.00124823494526959  |
| 495: 0.0510674895068955   | 635: 0.0743805007537111 | 775: 0.000824452445670177 |

