

燈具配光曲線試驗報告

測試標準：CIE 70 (1987 年版)、CIE 84 (1989 年版)

收件日期：106 年 01 月 20 日

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試驗報告

測試樣品基本資料

委測廠商：昶旭能源股份有限公司
委測廠商地址：新竹市東區公道五路二段 83 號 5F-3
製造廠商：昶旭能源股份有限公司
製造廠商地址：新竹市東區公道五路二段 83 號 5F-3
商標或廠牌：CooLED
產品名稱：LED 泛光燈
型號：F2140C-001
額定電壓(V)：110~277
額定頻率(Hz)：50/60
額定功率(W)：120
適用光源：LED
LED chip 廠牌/型號：Lumileds/LUXEON 3030 2D
搭配驅動器廠牌/型號：MEAN WELL/ELG-150-36A
燈具尺寸：長 402 mm、寬 295 mm、高 60 mm

-以下空白-

試驗內容

試驗條件

| | |
|----------------|------|
| 環境溫度 (°C) | 25.3 |
| 環境濕度(%) | 56.5 |
| γ 軸取樣步距 | 5° |
| C 軸取樣步距 | 5° |

電氣測試

| 試驗項目 | 試驗結果 |
|--------|-------|
| 電壓(V) | 220.0 |
| 頻率(Hz) | 60 |
| 電流(A) | 0.549 |
| 功率(W) | 118.7 |
| 功率因數 | 0.983 |

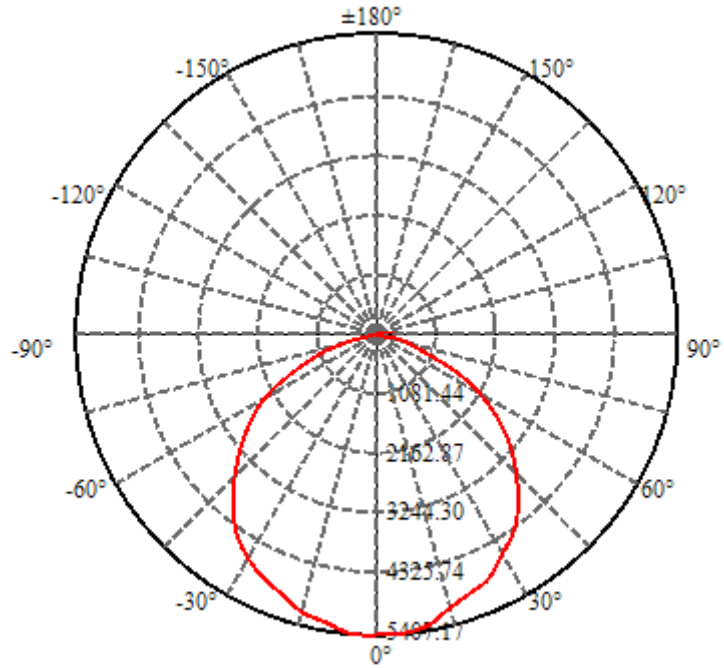
配光量測

| 試驗項目 | 試驗結果 |
|-----------------|----------------------------|
| 燈具全光通量 (lm) | 14156.8 |
| 燈具發光效率 (lm/W) | 119.3 |
| 中心光強度 (cd) | 5373.9 |
| 最大光強度 (cd) | 5407.2 |
| 最大光強度角度 (°) | C : 350.0 γ : 0.0 |
| 色溫 (K) | 5262 |
| 演色性(Ra) | 83.8 |
| 半峰邊角 (50% Imax) | C0_180 L=55.6 R=54.7 |
| | C90_270 L=54.2 R=54.9 |

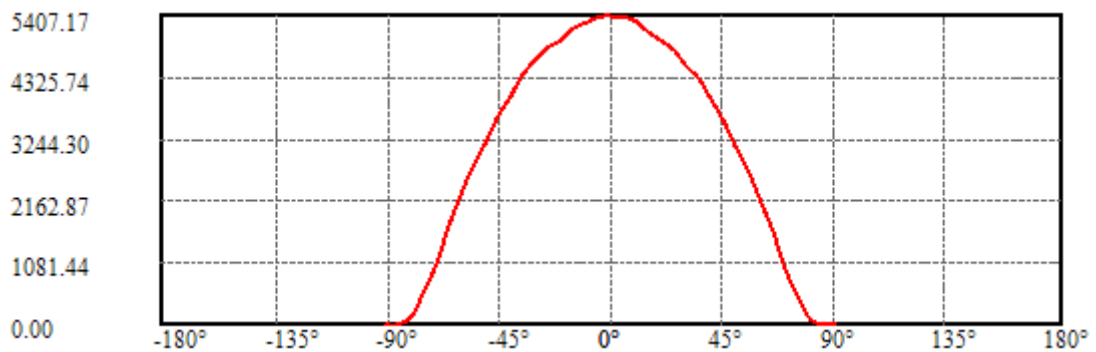
-以下空白-

配光曲線圖(一)

極座標圖 C0 / 180

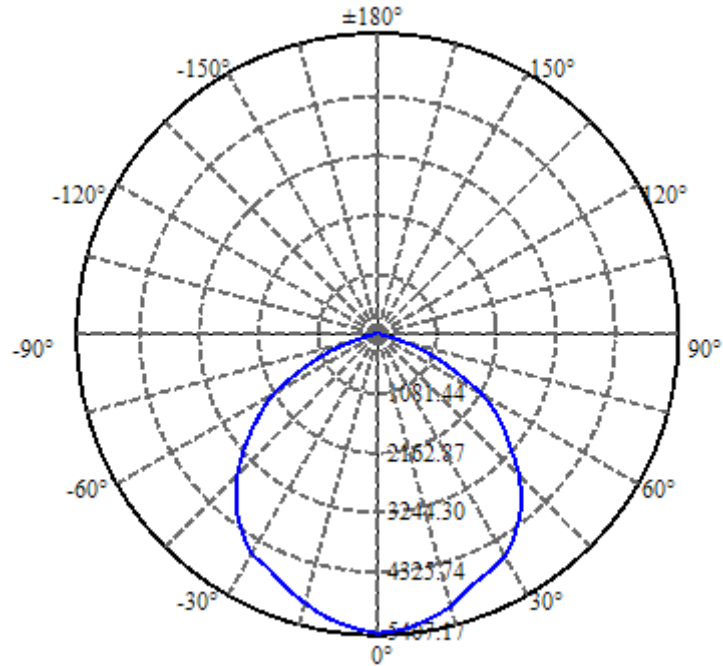


直角座標圖 C0 / 180

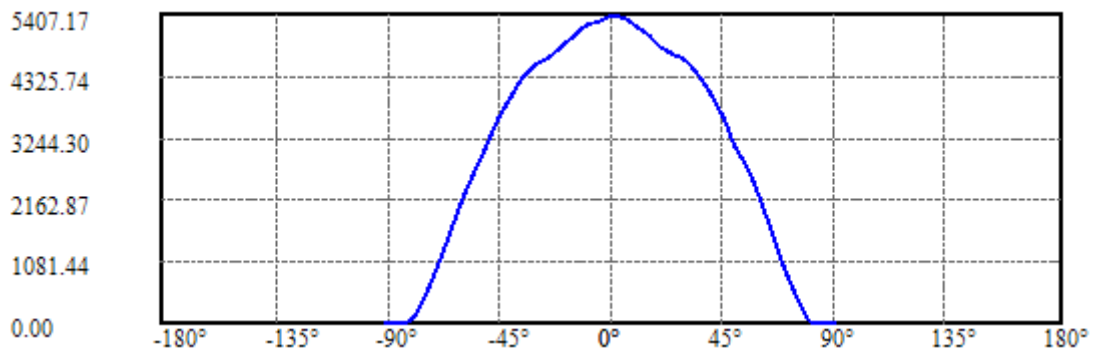


配光曲線圖(二)

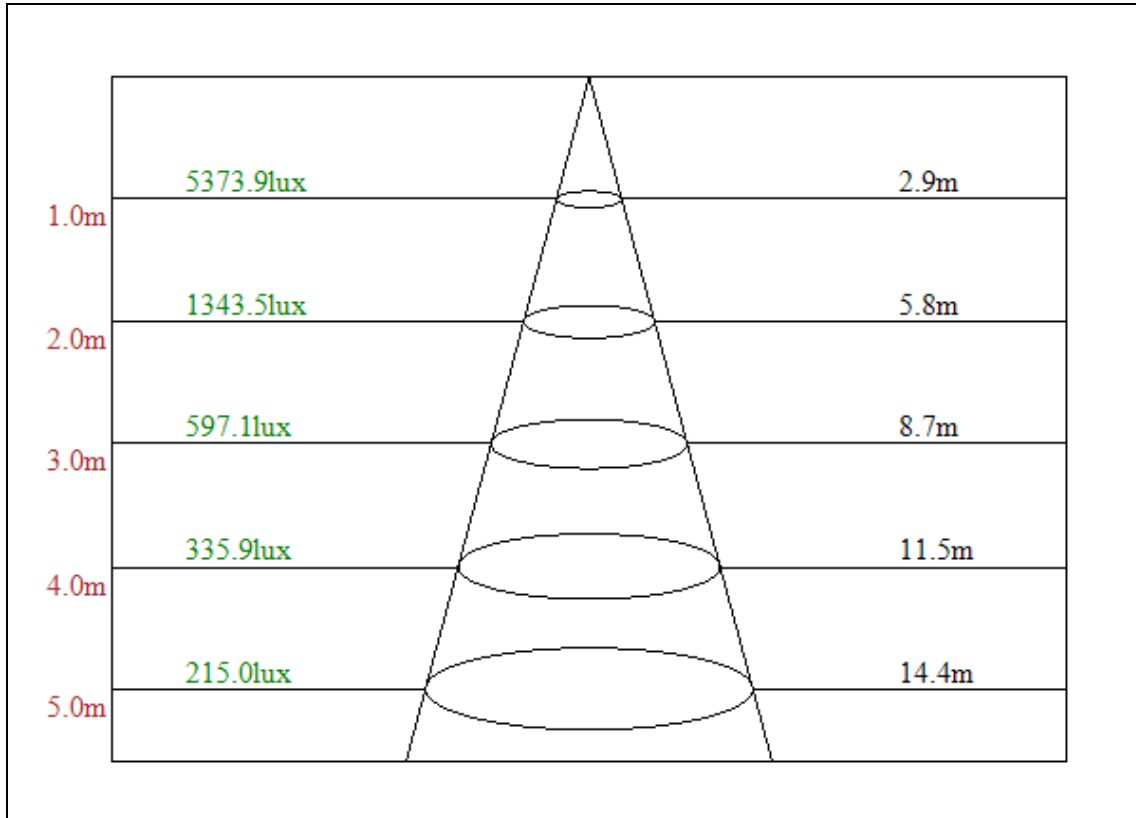
極座標圖 C90 / 270



直角座標圖 C90 / 270



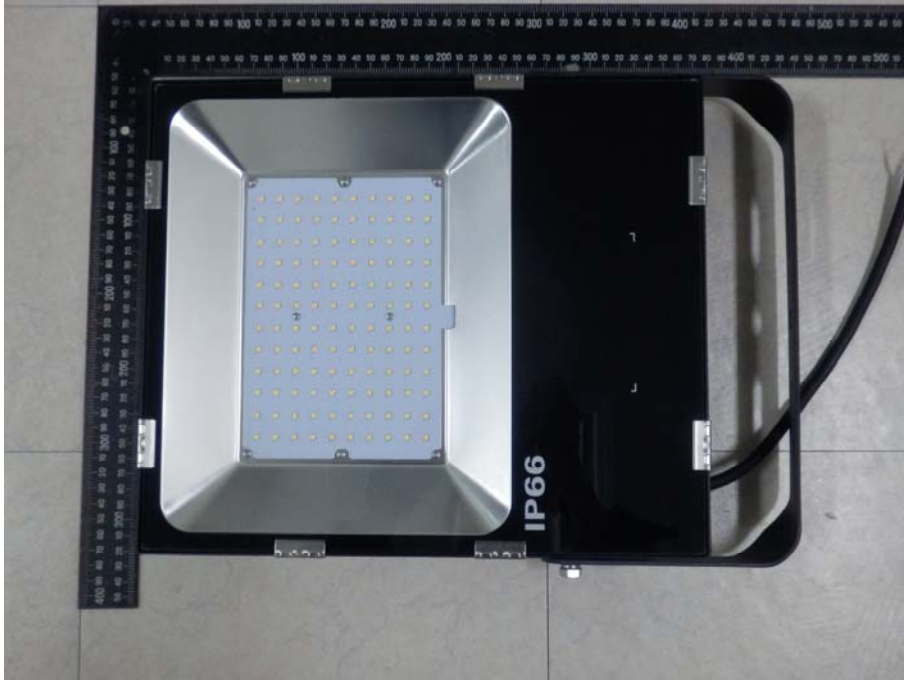
照度距離表



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測試樣品照片

測試樣品外觀

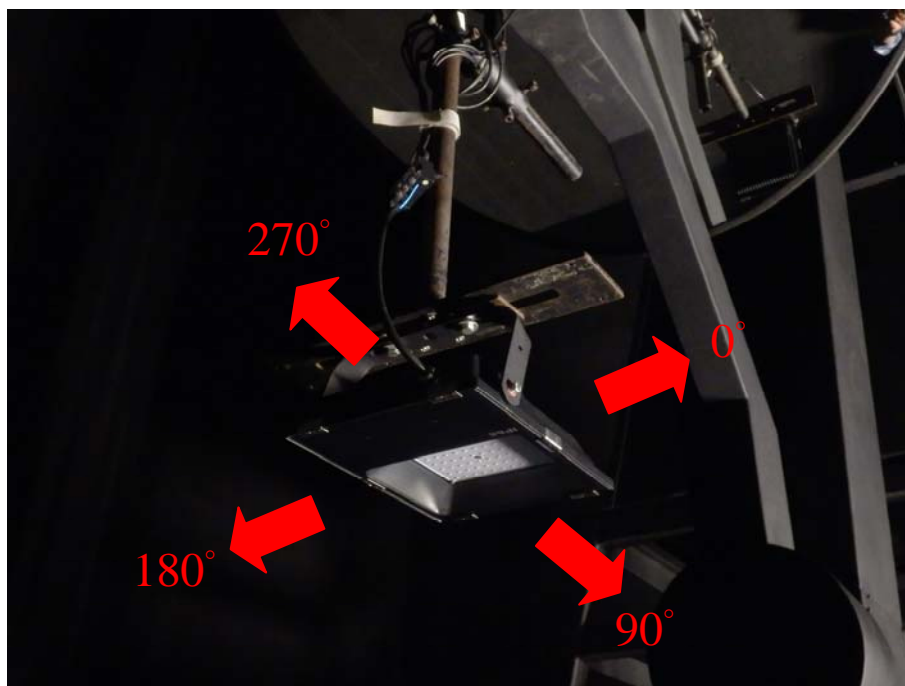


測試樣品外觀



測試樣品照片

測試樣品架設方向



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光強數據表(一)

光強數據表(cd)

| $\gamma/C(^{\circ})$ | 0.0 | 5.0 | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 35.0 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0 | 5373.918 | 5382.409 | 5382.409 | 5390.899 | 5370.38 | 5366.135 | 5364.72 | 5366.843 |
| 5 | 5382.409 | 5369.673 | 5366.843 | 5360.475 | 5334.295 | 5347.031 | 5358.352 | 5342.078 |
| 10 | 5307.408 | 5270.614 | 5283.351 | 5280.52 | 5273.445 | 5260.001 | 5243.02 | 5248.68 |
| 15 | 5107.875 | 5155.282 | 5139.716 | 5126.272 | 5120.612 | 5107.875 | 5103.63 | 5089.479 |
| 20 | 4965.656 | 4976.977 | 4962.826 | 4950.797 | 4944.429 | 4915.419 | 4899.853 | 4869.428 |
| 25 | 4814.946 | 4778.152 | 4764.709 | 4744.19 | 4711.642 | 4703.859 | 4643.009 | 4655.037 |
| 30 | 4547.488 | 4548.196 | 4550.318 | 4514.94 | 4475.317 | 4451.967 | 4434.279 | 4420.127 |
| 35 | 4299.135 | 4300.55 | 4272.248 | 4246.067 | 4228.378 | 4190.878 | 4202.906 | 4161.16 |
| 40 | 3957.383 | 3970.119 | 3946.77 | 3917.76 | 3910.684 | 3891.58 | 3877.429 | 3907.854 |
| 45 | 3576.008 | 3571.055 | 3558.319 | 3540.63 | 3537.8 | 3545.583 | 3544.876 | 3591.575 |
| 50 | 3139.444 | 3142.981 | 3126 | 3115.386 | 3121.047 | 3139.444 | 3181.19 | 3196.049 |
| 55 | 2673.162 | 2676.699 | 2664.671 | 2665.378 | 2668.209 | 2683.068 | 2712.077 | 2738.965 |
| 60 | 2167.256 | 2168.671 | 2186.36 | 2183.53 | 2199.804 | 2206.88 | 2218.201 | 2215.37 |
| 65 | 1603.331 | 1624.558 | 1638.709 | 1673.379 | 1684.7 | 1688.946 | 1681.162 | 1664.181 |
| 70 | 962.9891 | 965.8194 | 970.7723 | 1030.915 | 1057.802 | 1052.142 | 1044.359 | 1049.312 |
| 75 | 462.7442 | 464.8669 | 479.0181 | 486.0937 | 486.8013 | 484.6786 | 489.6315 | 483.2635 |
| 80 | 109.7426 | 110.2378 | 119.4361 | 115.5445 | 109.8133 | 113.6341 | 102.2424 | 103.1622 |
| 85 | 4.24536 | 4.174604 | 4.174604 | 4.174604 | 4.103848 | 3.962336 | 3.820824 | 3.750068 |
| 90 | 1.698144 | 1.839656 | 1.839656 | 1.839656 | 1.7689 | 1.839656 | 1.839656 | 1.839656 |

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光強數據表(二)

光強數據表(cd)

第 2 頁 共 10 頁

| $\gamma/C(^{\circ})$ | 40.0 | 45.0 | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0 | 5368.258 | 5354.814 | 5368.258 | 5361.182 | 5359.06 | 5358.352 | 5361.182 | 5365.428 |
| 5 | 5337.833 | 5335.71 | 5320.851 | 5335.71 | 5335.002 | 5340.663 | 5327.927 | 5327.219 |
| 10 | 5234.529 | 5225.331 | 5240.897 | 5220.377 | 5223.916 | 5209.764 | 5213.302 | 5221.085 |
| 15 | 5076.743 | 5060.469 | 5054.101 | 5056.224 | 5050.563 | 5054.101 | 5037.12 | 5045.61 |
| 20 | 4871.551 | 4865.183 | 4851.031 | 4862.353 | 4853.862 | 4844.664 | 4865.183 | 4886.41 |
| 25 | 4643.716 | 4628.857 | 4609.753 | 4641.594 | 4643.009 | 4664.943 | 4681.925 | 4693.953 |
| 30 | 4402.438 | 4405.976 | 4427.91 | 4424.373 | 4455.505 | 4483.1 | 4505.742 | 4524.139 |
| 35 | 4176.727 | 4181.68 | 4212.104 | 4224.133 | 4260.926 | 4279.323 | 4297.012 | 4327.437 |
| 40 | 3931.204 | 3954.553 | 3934.033 | 3984.27 | 3990.638 | 3994.884 | 4004.79 | 4003.375 |
| 45 | 3622.707 | 3643.934 | 3633.321 | 3649.594 | 3619.169 | 3603.603 | 3601.48 | 3594.405 |
| 50 | 3242.748 | 3231.427 | 3221.521 | 3219.398 | 3174.822 | 3147.227 | 3139.444 | 3117.51 |
| 55 | 2743.21 | 2739.672 | 2707.125 | 2717.738 | 2681.652 | 2671.747 | 2640.614 | 2632.123 |
| 60 | 2196.974 | 2191.313 | 2171.502 | 2178.577 | 2193.436 | 2185.653 | 2177.162 | 2171.502 |
| 65 | 1655.69 | 1657.105 | 1673.379 | 1666.304 | 1662.766 | 1627.388 | 1530.452 | 1515.594 |
| 70 | 1118.652 | 1076.906 | 1036.575 | 1032.33 | 1013.226 | 936.1019 | 936.1019 | 936.8094 |
| 75 | 452.8384 | 466.282 | 445.7628 | 459.2064 | 450.7157 | 411.0923 | 411.0923 | 401.1865 |
| 80 | 92.76112 | 89.22332 | 83.49208 | 75.77968 | 68.91634 | 62.33604 | 56.74631 | 52.07642 |
| 85 | 3.750068 | 3.5378 | 3.467044 | 3.396288 | 3.254776 | 3.18402 | 3.113264 | 3.113264 |
| 90 | 1.839656 | 1.7689 | 1.698144 | 1.698144 | 1.627388 | 1.556632 | 1.485876 | 1.41512 |

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光強數據表 (三)

光強數據表(cd)

第 3 頁 共 10 頁

| $\gamma/C(^{\circ})$ | 80.0 | 85.0 | 90.0 | 95.0 | 100.0 | 105.0 | 110.0 | 115.0 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0 | 5366.843 | 5354.106 | 5361.182 | 5356.229 | 5377.456 | 5360.475 | 5373.918 | 5379.579 |
| 5 | 5319.436 | 5310.238 | 5323.682 | 5331.464 | 5320.851 | 5334.295 | 5332.172 | 5328.634 |
| 10 | 5187.83 | 5211.887 | 5195.613 | 5214.01 | 5211.179 | 5210.472 | 5212.595 | 5238.066 |
| 15 | 5043.487 | 5037.12 | 5047.025 | 5042.072 | 5055.516 | 5048.441 | 5056.224 | 5047.025 |
| 20 | 4870.843 | 4855.277 | 4827.682 | 4875.796 | 4866.598 | 4875.088 | 4877.211 | 4872.966 |
| 25 | 4700.321 | 4704.566 | 4708.812 | 4718.01 | 4712.35 | 4699.614 | 4689 | 4677.679 |
| 30 | 4554.563 | 4566.592 | 4587.819 | 4571.545 | 4556.687 | 4541.828 | 4521.308 | 4498.667 |
| 35 | 4346.541 | 4351.494 | 4342.296 | 4358.569 | 4355.739 | 4345.126 | 4322.484 | 4311.163 |
| 40 | 4012.573 | 4014.695 | 4035.215 | 4024.601 | 4026.724 | 4028.139 | 4026.724 | 4045.121 |
| 45 | 3595.112 | 3588.037 | 3602.896 | 3595.112 | 3600.773 | 3612.801 | 3631.198 | 3654.547 |
| 50 | 3110.434 | 3097.698 | 3091.33 | 3112.557 | 3131.661 | 3149.35 | 3166.331 | 3194.633 |
| 55 | 2638.491 | 2629.293 | 2673.869 | 2646.274 | 2659.718 | 2668.916 | 2695.803 | 2729.767 |
| 60 | 2169.379 | 2170.794 | 2189.898 | 2181.407 | 2193.436 | 2203.342 | 2226.691 | 2235.89 |
| 65 | 1507.81 | 1517.716 | 1511.348 | 1524.792 | 1529.745 | 1547.434 | 1596.963 | 1705.927 |
| 70 | 930.4415 | 926.9036 | 924.7809 | 940.3472 | 955.9135 | 968.6496 | 977.1404 | 989.1689 |
| 75 | 402.6017 | 398.3563 | 399.7714 | 406.1394 | 416.0453 | 428.0738 | 440.1023 | 445.0552 |
| 80 | 39.19882 | 33.89212 | 33.96288 | 36.72236 | 43.30267 | 59.78882 | 61.69923 | 69.41164 |
| 85 | 3.042508 | 2.971752 | 3.042508 | 3.042508 | 3.042508 | 3.18402 | 3.254776 | 3.325532 |
| 90 | 1.485876 | 1.41512 | 1.41512 | 1.41512 | 1.485876 | 1.485876 | 1.485876 | 1.556632 |

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光強數據表 (四)

光強數據表(cd)

第 4 頁 共 10 頁

| $\gamma/C(^{\circ})$ | 120.0 | 125.0 | 130.0 | 135.0 | 140.0 | 145.0 | 150.0 | 155.0 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0 | 5372.503 | 5376.041 | 5380.994 | 5368.965 | 5374.626 | 5376.041 | 5392.314 | 5389.484 |
| 5 | 5345.616 | 5344.908 | 5344.908 | 5350.568 | 5359.06 | 5361.182 | 5356.937 | 5359.06 |
| 10 | 5229.576 | 5237.359 | 5241.604 | 5243.727 | 5263.539 | 5269.199 | 5294.671 | 5280.52 |
| 15 | 5068.252 | 5067.545 | 5062.592 | 5089.479 | 5089.479 | 5106.46 | 5102.923 | 5140.423 |
| 20 | 4869.428 | 4870.135 | 4904.806 | 4886.41 | 4909.051 | 4915.419 | 4942.307 | 4956.458 |
| 25 | 4659.99 | 4662.113 | 4647.254 | 4672.726 | 4688.292 | 4695.368 | 4740.652 | 4742.775 |
| 30 | 4478.147 | 4461.166 | 4447.015 | 4440.646 | 4460.458 | 4468.949 | 4478.147 | 4529.092 |
| 35 | 4280.03 | 4266.587 | 4259.511 | 4247.482 | 4242.53 | 4238.284 | 4248.898 | 4282.861 |
| 40 | 4040.875 | 4030.969 | 4021.063 | 4012.573 | 3997.007 | 3980.732 | 3989.931 | 3975.072 |
| 45 | 3687.095 | 3711.86 | 3739.455 | 3713.982 | 3698.416 | 3667.991 | 3655.962 | 3619.877 |
| 50 | 3250.531 | 3283.078 | 3317.749 | 3309.258 | 3307.843 | 3276.71 | 3234.257 | 3219.398 |
| 55 | 2756.654 | 2776.465 | 2821.042 | 2813.966 | 2824.58 | 2814.674 | 2799.815 | 2779.296 |
| 60 | 2247.211 | 2248.626 | 2257.116 | 2266.315 | 2284.004 | 2309.476 | 2310.183 | 2318.674 |
| 65 | 1727.861 | 1729.984 | 1734.937 | 1732.107 | 1751.919 | 1771.73 | 1798.618 | 1806.401 |
| 70 | 1076.906 | 1097.426 | 1109.454 | 1204.975 | 1175.965 | 1142.002 | 1151.2 | 1162.521 |
| 75 | 497.4147 | 476.8954 | 522.1793 | 504.4903 | 541.991 | 549.7741 | 575.2463 | 578.7841 |
| 80 | 80.44957 | 87.59593 | 95.94514 | 116.6059 | 123.9645 | 129.2005 | 142.5733 | 141.5828 |
| 85 | 3.396288 | 3.467044 | 3.679312 | 3.750068 | 3.820824 | 3.89158 | 4.033092 | 4.103848 |
| 90 | 1.627388 | 1.7689 | 1.698144 | 1.839656 | 1.839656 | 1.839656 | 1.839656 | 1.839656 |

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光強數據表 (五)

光強數據表(cd)

第 5 頁 共 10 頁

| $\gamma/C(^{\circ})$ | 160.0 | 165.0 | 170.0 | 175.0 | 180.0 | 185.0 | 190.0 | 195.0 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0 | 5390.899 | 5380.994 | 5378.164 | 5395.853 | 5401.513 | 5390.192 | 5385.947 | 5388.069 |
| 5 | 5362.597 | 5390.899 | 5376.749 | 5370.38 | 5385.947 | 5383.116 | 5373.918 | 5371.088 |
| 10 | 5301.04 | 5305.285 | 5305.285 | 5286.181 | 5260.708 | 5296.794 | 5287.596 | 5278.397 |
| 15 | 5148.914 | 5159.527 | 5175.801 | 5175.801 | 5176.509 | 5148.207 | 5145.376 | 5139.716 |
| 20 | 4981.222 | 4991.835 | 5002.449 | 5030.044 | 4969.194 | 4997.497 | 4986.883 | 4972.024 |
| 25 | 4779.568 | 4821.314 | 4826.974 | 4826.267 | 4841.833 | 4814.946 | 4808.578 | 4780.275 |
| 30 | 4544.658 | 4599.848 | 4627.442 | 4641.594 | 4644.424 | 4622.489 | 4597.018 | 4559.517 |
| 35 | 4306.917 | 4328.852 | 4359.277 | 4379.796 | 4369.891 | 4359.277 | 4333.805 | 4302.672 |
| 40 | 3987.101 | 4009.742 | 4030.262 | 4052.904 | 4004.79 | 4027.431 | 4008.327 | 3967.289 |
| 45 | 3612.801 | 3620.584 | 3643.227 | 3653.132 | 3622 | 3639.689 | 3613.509 | 3597.235 |
| 50 | 3191.096 | 3196.756 | 3200.294 | 3226.474 | 3205.954 | 3212.322 | 3189.68 | 3174.114 |
| 55 | 2756.654 | 2753.116 | 2745.333 | 2752.408 | 2755.946 | 2753.823 | 2743.21 | 2737.55 |
| 60 | 2304.523 | 2285.419 | 2292.494 | 2296.74 | 2288.957 | 2282.589 | 2277.636 | 2281.881 |
| 65 | 1804.986 | 1763.947 | 1751.919 | 1717.248 | 1694.606 | 1727.861 | 1746.966 | 1782.344 |
| 70 | 1151.2 | 1113.699 | 1071.953 | 1064.878 | 1054.972 | 1056.387 | 1086.105 | 1139.879 |
| 75 | 578.7841 | 569.5858 | 545.5287 | 528.5473 | 528.5473 | 543.4061 | 568.1707 | 573.8312 |
| 80 | 152.2669 | 157.7151 | 140.6629 | 146.1111 | 150.2858 | 150.8518 | 148.6584 | 156.0877 |
| 85 | 4.174604 | 4.174604 | 4.174604 | 4.24536 | 4.24536 | 4.24536 | 4.24536 | 4.24536 |
| 90 | 1.7689 | 1.7689 | 1.7689 | 1.7689 | 1.698144 | 1.7689 | 1.839656 | 1.839656 |

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光強數據表 (六)

光強數據表(cd)

第 6 頁 共 10 頁

| $\gamma/C(^{\circ})$ | 200.0 | 205.0 | 210.0 | 215.0 | 220.0 | 225.0 | 230.0 | 235.0 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0 | 5357.645 | 5366.135 | 5378.871 | 5372.503 | 5365.428 | 5356.937 | 5377.456 | 5359.06 |
| 5 | 5367.55 | 5351.984 | 5357.645 | 5340.663 | 5340.663 | 5343.493 | 5337.125 | 5340.663 |
| 10 | 5281.936 | 5280.52 | 5245.143 | 5246.557 | 5235.236 | 5234.529 | 5228.161 | 5216.132 |
| 15 | 5128.395 | 5103.63 | 5109.999 | 5089.479 | 5071.083 | 5061.884 | 5056.224 | 5044.903 |
| 20 | 4955.75 | 4933.816 | 4892.777 | 4884.994 | 4869.428 | 4859.522 | 4853.154 | 4860.229 |
| 25 | 4751.973 | 4708.812 | 4689 | 4657.16 | 4640.886 | 4628.857 | 4616.122 | 4625.32 |
| 30 | 4507.865 | 4494.421 | 4465.411 | 4424.373 | 4410.929 | 4405.976 | 4430.033 | 4413.052 |
| 35 | 4263.049 | 4234.747 | 4202.906 | 4197.246 | 4184.51 | 4191.585 | 4195.831 | 4219.888 |
| 40 | 3946.062 | 3943.232 | 3926.958 | 3946.77 | 3953.845 | 3970.119 | 3940.401 | 3977.195 |
| 45 | 3591.575 | 3595.82 | 3609.971 | 3642.519 | 3658.793 | 3669.406 | 3664.453 | 3650.302 |
| 50 | 3190.388 | 3199.586 | 3215.153 | 3255.483 | 3285.201 | 3264.682 | 3239.21 | 3235.672 |
| 55 | 2746.04 | 2771.512 | 2792.032 | 2799.815 | 2796.277 | 2776.465 | 2746.748 | 2741.087 |
| 60 | 2291.787 | 2303.815 | 2299.57 | 2275.513 | 2259.947 | 2241.55 | 2209.002 | 2214.663 |
| 65 | 1794.372 | 1794.372 | 1774.56 | 1744.135 | 1721.494 | 1712.295 | 1718.663 | 1708.05 |
| 70 | 1165.351 | 1156.153 | 1139.172 | 1131.388 | 1199.314 | 1185.871 | 1088.935 | 1079.029 |
| 75 | 575.9539 | 574.5387 | 599.3033 | 562.5102 | 549.7741 | 532.7927 | 525.717 | 493.8769 |
| 80 | 152.4084 | 146.8187 | 138.894 | 134.2241 | 122.4079 | 112.8558 | 103.3745 | 97.99706 |
| 85 | 4.174604 | 4.174604 | 4.174604 | 4.033092 | 3.89158 | 3.89158 | 3.750068 | 3.679312 |
| 90 | 1.839656 | 1.839656 | 1.839656 | 1.839656 | 1.839656 | 1.7689 | 1.698144 | 1.698144 |

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光強數據表 (七)

光強數據表(cd)

第 7 頁 共 10 頁

| $\gamma/C(^{\circ})$ | 240.0 | 245.0 | 250.0 | 255.0 | 260.0 | 265.0 | 270.0 | 275.0 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0 | 5370.38 | 5366.135 | 5357.645 | 5369.673 | 5361.182 | 5371.795 | 5359.767 | 5357.645 |
| 5 | 5332.172 | 5327.219 | 5322.974 | 5308.822 | 5324.389 | 5315.898 | 5289.011 | 5307.408 |
| 10 | 5210.472 | 5195.613 | 5200.566 | 5177.216 | 5197.028 | 5194.905 | 5192.075 | 5192.075 |
| 15 | 5046.318 | 5044.195 | 5039.243 | 5033.582 | 5024.383 | 5032.167 | 4999.619 | 5020.846 |
| 20 | 4841.833 | 4843.956 | 4844.664 | 4842.541 | 4860.229 | 4841.833 | 4848.909 | 4846.079 |
| 25 | 4633.103 | 4642.301 | 4659.283 | 4664.943 | 4674.141 | 4673.434 | 4645.839 | 4679.802 |
| 30 | 4434.279 | 4449.137 | 4471.071 | 4496.544 | 4509.28 | 4517.063 | 4520.601 | 4505.742 |
| 35 | 4224.133 | 4238.992 | 4265.879 | 4284.983 | 4297.012 | 4290.644 | 4292.059 | 4280.738 |
| 40 | 3971.534 | 3971.534 | 3973.657 | 3965.166 | 3980.025 | 3970.119 | 3974.365 | 3960.213 |
| 45 | 3619.877 | 3602.896 | 3569.64 | 3563.272 | 3561.149 | 3549.829 | 3573.886 | 3550.536 |
| 50 | 3186.85 | 3142.981 | 3130.245 | 3096.99 | 3080.716 | 3082.839 | 3087.084 | 3086.377 |
| 55 | 2702.172 | 2660.426 | 2639.199 | 2624.34 | 2614.434 | 2612.312 | 2598.16 | 2612.312 |
| 60 | 2205.465 | 2194.851 | 2175.747 | 2160.181 | 2150.275 | 2150.275 | 2131.878 | 2143.199 |
| 65 | 1703.097 | 1695.314 | 1632.341 | 1521.962 | 1504.98 | 1506.395 | 1474.555 | 1492.244 |
| 70 | 1076.906 | 984.216 | 958.0362 | 947.4229 | 941.0548 | 933.9792 | 927.6111 | 922.6583 |
| 75 | 495.292 | 466.9896 | 424.536 | 417.4604 | 413.9226 | 408.2621 | 404.0168 | 399.0638 |
| 80 | 81.22789 | 81.79393 | 64.24645 | 60.7794 | 57.10009 | 57.31236 | 56.74631 | 55.18968 |
| 85 | 3.5378 | 3.467044 | 3.467044 | 3.325532 | 3.254776 | 3.254776 | 3.254776 | 3.254776 |
| 90 | 1.698144 | 1.485876 | 1.556632 | 1.556632 | 1.485876 | 1.485876 | 1.41512 | 1.485876 |

-以下空白-

光強數據表 (八)

光強數據表(cd)

第 8 頁 共 10 頁

| $\gamma/C(^{\circ})$ | 280.0 | 285.0 | 290.0 | 295.0 | 300.0 | 305.0 | 310.0 | 315.0 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0 | 5365.428 | 5367.55 | 5368.965 | 5370.38 | 5367.55 | 5369.673 | 5368.258 | 5374.626 |
| 5 | 5318.021 | 5310.238 | 5327.927 | 5318.021 | 5329.342 | 5327.927 | 5337.833 | 5336.417 |
| 10 | 5193.491 | 5209.764 | 5201.981 | 5204.812 | 5216.84 | 5209.057 | 5218.962 | 5228.868 |
| 15 | 5022.968 | 5034.289 | 5032.167 | 5031.459 | 5034.289 | 5045.61 | 5065.422 | 5051.271 |
| 20 | 4851.031 | 4853.154 | 4846.786 | 4839.71 | 4839.003 | 4845.371 | 4816.361 | 4839.003 |
| 25 | 4664.235 | 4646.546 | 4642.301 | 4640.886 | 4620.367 | 4626.027 | 4656.452 | 4623.197 |
| 30 | 4493.006 | 4473.194 | 4462.581 | 4430.033 | 4410.929 | 4391.117 | 4381.919 | 4384.75 |
| 35 | 4265.879 | 4255.266 | 4229.086 | 4218.473 | 4202.199 | 4177.434 | 4163.283 | 4142.764 |
| 40 | 3956.676 | 3946.77 | 3941.109 | 3946.062 | 3918.467 | 3896.533 | 3910.684 | 3884.504 |
| 45 | 3548.413 | 3551.244 | 3561.857 | 3564.687 | 3573.178 | 3579.546 | 3565.395 | 3579.546 |
| 50 | 3083.546 | 3091.33 | 3107.604 | 3115.386 | 3147.934 | 3174.822 | 3159.256 | 3174.822 |
| 55 | 2605.944 | 2615.849 | 2616.557 | 2647.69 | 2655.473 | 2678.115 | 2689.436 | 2693.681 |
| 60 | 2138.954 | 2146.03 | 2146.737 | 2146.03 | 2156.643 | 2152.397 | 2159.473 | 2159.473 |
| 65 | 1493.659 | 1522.669 | 1642.954 | 1651.445 | 1643.662 | 1638.001 | 1626.68 | 1636.586 |
| 70 | 925.4885 | 924.7809 | 924.0734 | 1025.254 | 1020.302 | 1021.009 | 1037.99 | 1102.378 |
| 75 | 401.8941 | 401.1865 | 400.4789 | 459.914 | 457.0838 | 442.225 | 474.7728 | 471.235 |
| 80 | 55.82648 | 57.31236 | 79.81277 | 75.00136 | 76.98253 | 87.24215 | 98.06782 | 100.9688 |
| 85 | 3.325532 | 3.396288 | 3.467044 | 3.467044 | 3.5378 | 3.679312 | 3.750068 | 3.820824 |
| 90 | 1.556632 | 1.485876 | 1.556632 | 1.627388 | 1.698144 | 1.698144 | 1.839656 | 1.839656 |

-以下空白-

光強數據表 (九)

光強數據表(cd)

第 9 頁 共 10 頁

| $\gamma/C(^{\circ})$ | 320.0 | 325.0 | 330.0 | 335.0 | 340.0 | 345.0 | 350.0 | 355.0 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0 | 5380.286 | 5368.965 | 5390.899 | 5387.362 | 5369.673 | 5386.654 | 5407.174 | 5395.853 |
| 5 | 5343.493 | 5351.984 | 5331.464 | 5364.72 | 5361.89 | 5346.324 | 5364.72 | 5399.39 |
| 10 | 5233.114 | 5238.774 | 5274.86 | 5260.001 | 5279.813 | 5279.105 | 5269.199 | 5274.152 |
| 15 | 5064.714 | 5085.233 | 5068.96 | 5107.168 | 5111.414 | 5140.423 | 5142.546 | 5109.291 |
| 20 | 4863.06 | 4872.258 | 4911.881 | 4909.051 | 4928.155 | 4947.967 | 4970.609 | 4987.59 |
| 25 | 4633.103 | 4645.839 | 4684.047 | 4703.859 | 4739.944 | 4746.313 | 4764.001 | 4793.012 |
| 30 | 4399.608 | 4411.637 | 4401.731 | 4454.798 | 4485.931 | 4524.846 | 4551.733 | 4572.252 |
| 35 | 4133.565 | 4149.132 | 4154.792 | 4200.784 | 4198.661 | 4258.096 | 4289.229 | 4304.087 |
| 40 | 3871.768 | 3876.014 | 3896.533 | 3883.797 | 3883.089 | 3925.543 | 3951.015 | 3970.827 |
| 45 | 3553.366 | 3545.583 | 3553.366 | 3525.064 | 3532.14 | 3538.508 | 3556.197 | 3569.64 |
| 50 | 3174.822 | 3154.302 | 3121.755 | 3110.434 | 3120.34 | 3124.585 | 3126.708 | 3133.076 |
| 55 | 2698.634 | 2695.803 | 2678.822 | 2668.209 | 2654.765 | 2659.718 | 2679.53 | 2683.775 |
| 60 | 2175.747 | 2194.851 | 2187.068 | 2186.36 | 2184.238 | 2172.209 | 2178.577 | 2176.455 |
| 65 | 1638.709 | 1654.983 | 1671.257 | 1670.549 | 1662.766 | 1658.521 | 1630.218 | 1623.143 |
| 70 | 1093.888 | 1035.868 | 1037.283 | 1044.359 | 1041.528 | 1021.009 | 977.1404 | 952.3757 |
| 75 | 486.8013 | 502.3676 | 507.3205 | 486.0937 | 486.0937 | 476.8954 | 477.603 | 471.235 |
| 80 | 99.62445 | 110.6624 | 115.1908 | 121.4173 | 126.9363 | 117.3842 | 114.6955 | 109.601 |
| 85 | 3.962336 | 3.962336 | 4.033092 | 4.174604 | 4.174604 | 4.24536 | 4.174604 | 4.174604 |
| 90 | 1.839656 | 1.910412 | 1.910412 | 1.839656 | 1.839656 | 1.839656 | 1.839656 | 1.839656 |

-以下空白-

光強數據表 (十)

光強數據表(cd)

第 10 頁 共 10 頁

| $\gamma/C(^{\circ})$ | 360.0 |
|----------------------|----------|
| 0 | 5373.918 |
| 5 | 5382.409 |
| 10 | 5307.408 |
| 15 | 5107.875 |
| 20 | 4965.656 |
| 25 | 4814.946 |
| 30 | 4547.488 |
| 35 | 4299.135 |
| 40 | 3957.383 |
| 45 | 3576.008 |
| 50 | 3139.444 |
| 55 | 2673.162 |
| 60 | 2167.256 |
| 65 | 1603.331 |
| 70 | 962.9891 |
| 75 | 462.7442 |
| 80 | 109.7426 |
| 85 | 4.24536 |
| 90 | 1.698144 |

-以下空白-

測試設備列表及人員

| 項次 | 儀器編號 | 量儀名稱 | 廠牌 / 型號 / 序號 |
|----|---------|---------------------|-------------------------------|
| 1 | 99A-01 | 角度規 | Johnson |
| 2 | 99E-06 | 數位電力計 | YOKOGAWA WT210 (91JB34563) |
| 3 | 99E-08 | 數位電力計 | YOKOGAWA WT210 (91K539455) |
| 4 | 99E-12 | AC Power Source | APC AFC-500W |
| 5 | 99E-17 | AC Power Source | APC AFC-5KW |
| 6 | 990-01 | 立式大型分佈光度計 | 浙大三色 GMS-2000 |
| 7 | 990-02 | 快速光譜輻射分析儀(2 π) | 浙大三色 SPR-3000 |
| 8 | 990-23 | 積分球(2 π) | 浙大三色 |
| 9 | 1040-30 | 測光標準燈 110V/100W | 浙大三色(S13100250) |
| 10 | 103T-13 | 數字型溫濕度計 | TANDD(TR-72UI/F80417A2) |
| 11 | 103T-14 | 數字型溫濕度計 | TANDD(TR-72UI/F8043A00) |
| | | | 測試人員：陳建元 |

-以下空白-