

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：105 年 02 月 17 日

測試日期：105 年 02 月 18 日 至 105 年 02 月 19 日

1. 報告發行日期：105 年 02 月 23 日
2. 報告編號：16021703
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報告簽署人：



試驗報告

測試樣品基本資料表

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
廠牌/商標：CooLED
產品名稱：25W 光引擎投射燈(20 度)
燈具型號：LE025N-20A
驅動器廠牌/型號：方晨/KPN-25WY-42V-630
光源廠牌/型號/色溫：宏齊/HT-CTP5NTAJ/4000K
額定電壓：AC100-240V
額定頻率：50/60Hz
額定消耗功率：25W
測試電壓：AC220V/60Hz

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試驗內容

試驗條件

環境溫度 (°C)	25.7
環境濕度 (% RH)	56.2

電氣量測

試驗項目	試驗結果
電壓 (V)	220.0
頻率 (Hz)	60
電流 (A)	0.121
功率 (W)	24.7
功率因數	0.928

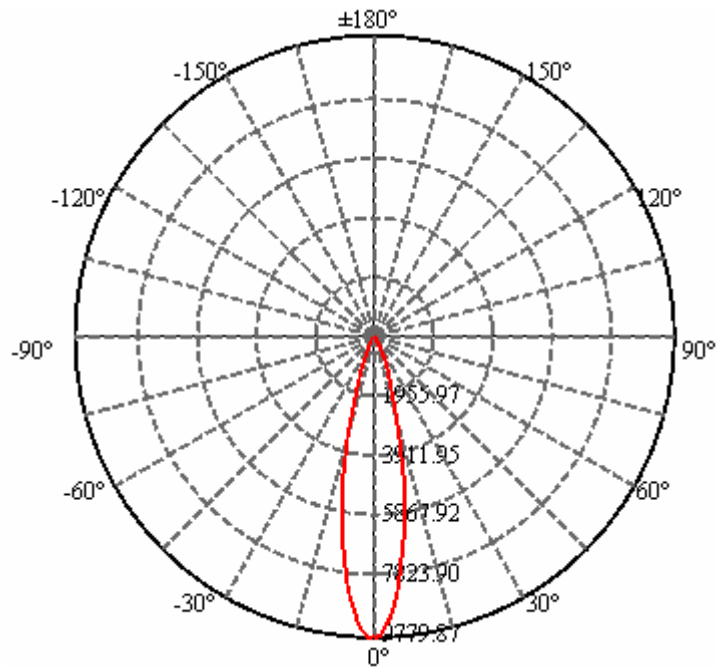
配光量測

試驗項目	試驗結果
燈具全光通量 (lm)	2271.0
燈具發光效率 (lm/W)	91.9
中心光強度 (cd)	9756.6
最大光強度 (cd)	9779.9
最大光強度角度 (°)	C : 250.0 γ : 0.0
半峰邊角 (50% I _{max})	C0_180 Left=12.2 Right=11.4
	C90_270 Left=11.8 Right=11.5
色溫(K)	3815
色座標	x : 0.3884 y : 0.3801
演色性(Ra)	93.0

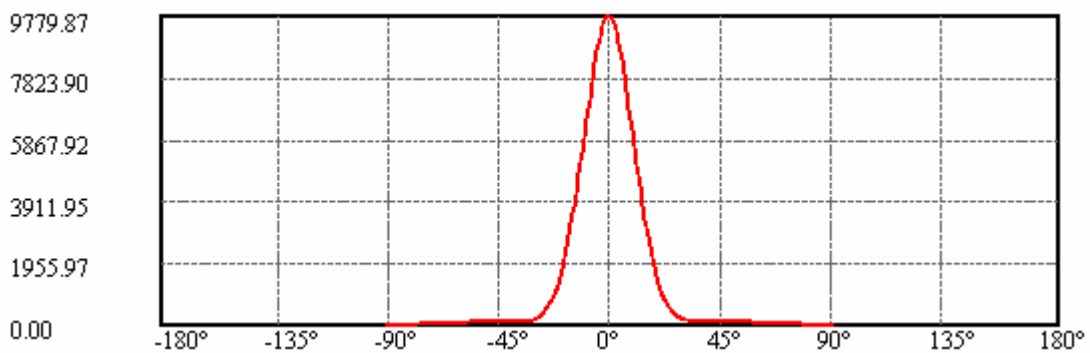
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配光曲線圖(一)

極座標圖 C0 / 180



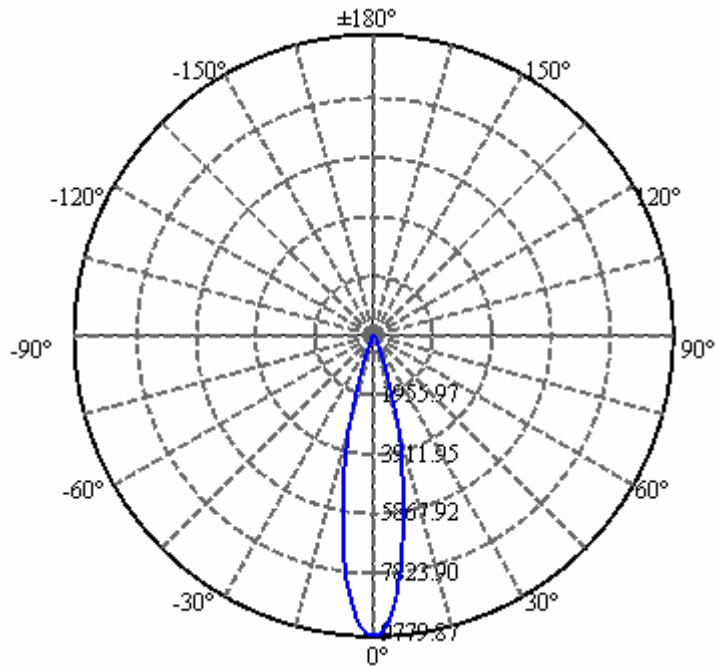
直角座標圖 C0 / 180



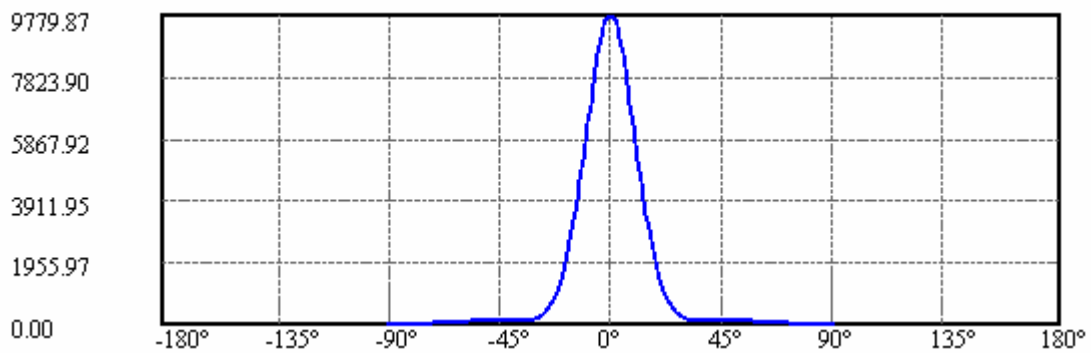
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配光曲線圖(二)

極座標圖 C90 / 270

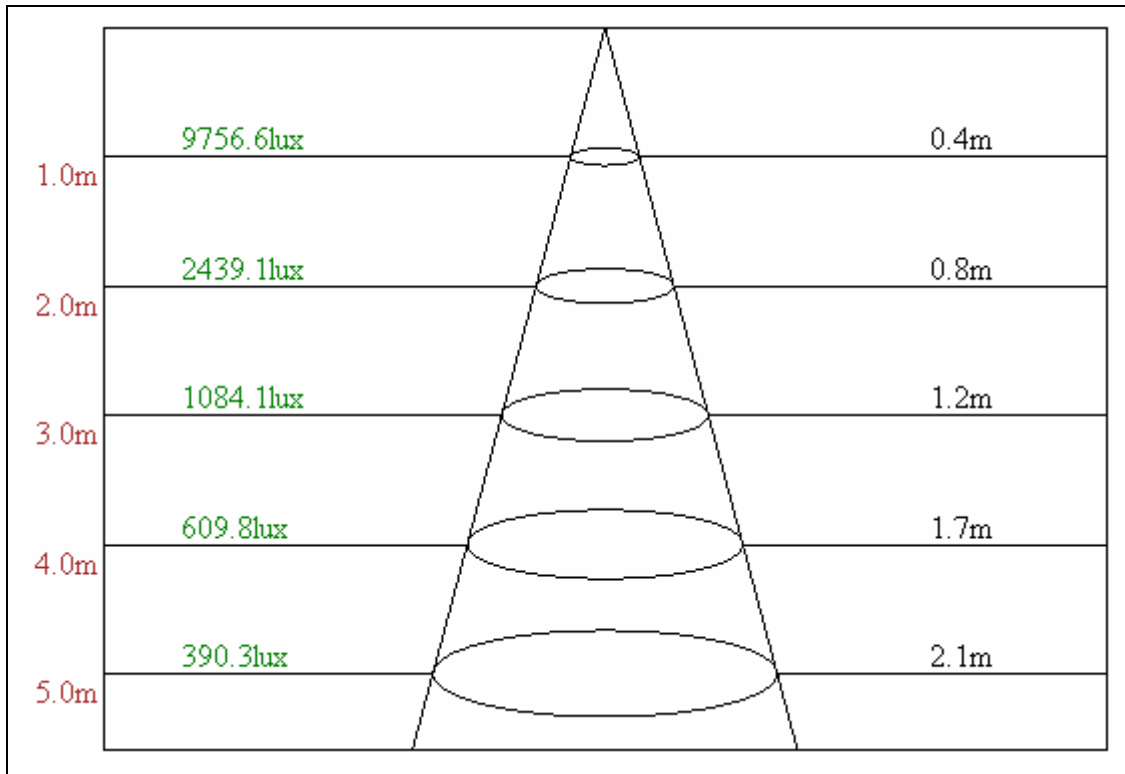


直角座標圖 C90 / 270



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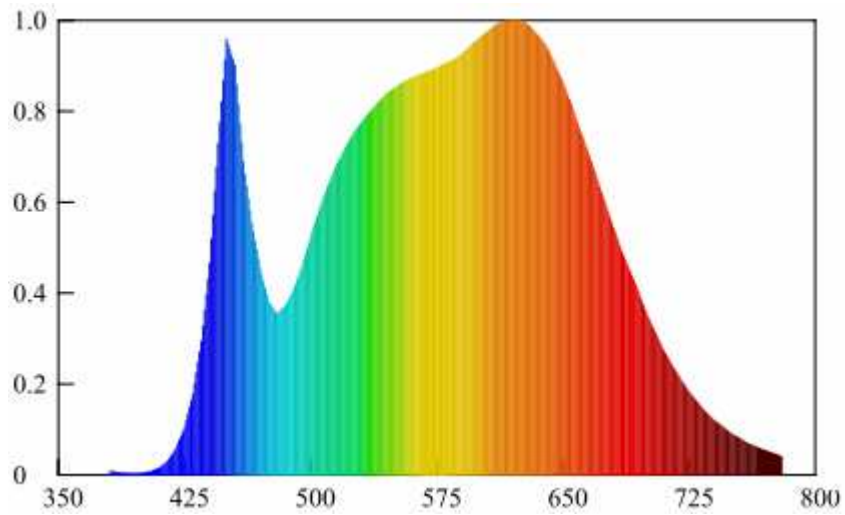
照度距離表



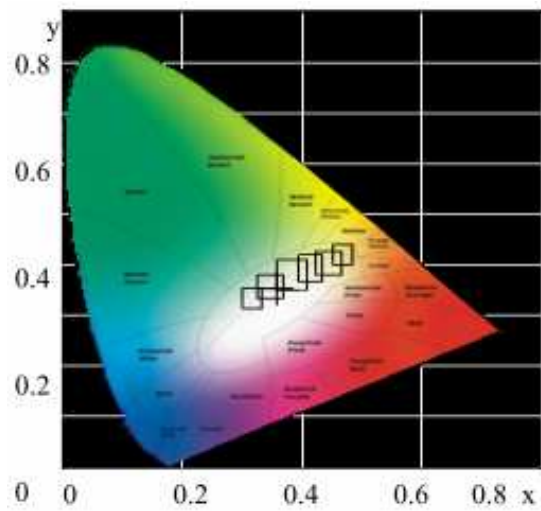
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測試結果

光譜分布圖



色座標



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測試樣品照片

測試樣品外觀

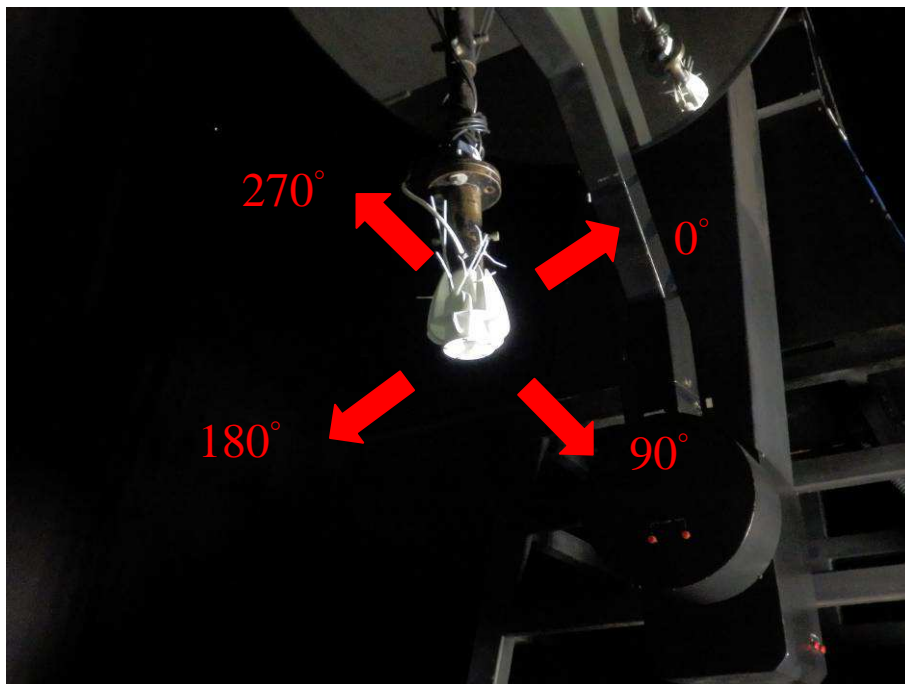


測試樣品外觀



測試樣品照片

測試樣品架設方向



光強數據表(一)

光強數據表(cd)

$\gamma/(\text{C}^\circ)$	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0
0	9756.583	9748.822	9737.179	9741.06	9737.179	9741.06	9741.06	9737.179
1	9690.607	9694.488	9694.488	9694.488	9694.488	9694.488	9694.488	9698.37
2	9484.921	9484.921	9484.921	9488.802	9488.802	9496.563	9500.443	9504.324
3	9182.21	9186.091	9186.091	9193.853	9189.972	9205.495	9205.495	9209.376
4	8794.12	8786.358	8798.001	8801.882	8805.763	8813.524	8821.286	8829.048
5	8343.936	8343.936	8347.816	8351.697	8359.46	8363.34	8371.102	8374.982
6	7831.657	7831.657	7839.419	7843.299	7843.299	7854.942	7858.823	7862.704
7	7292.212	7288.331	7296.092	7299.973	7299.973	7307.735	7319.378	7323.259
8	6741.124	6745.004	6745.004	6748.885	6752.766	6756.647	6768.29	6772.171
9	6182.274	6186.155	6186.155	6190.036	6193.917	6201.678	6205.56	6213.321
10	5627.305	5631.187	5627.305	5631.187	5627.305	5635.067	5631.187	5635.067
11	5076.217	5076.217	5072.336	5072.336	5068.456	5072.336	5072.336	5072.336
12	4513.487	4517.368	4509.606	4513.487	4509.606	4513.487	4509.606	4513.487
13	3942.995	3942.995	3939.114	3946.875	3946.875	3954.637	3958.518	3962.399
14	3419.073	3422.954	3422.954	3430.716	3430.716	3438.478	3442.358	3450.12
15	2941.722	2945.603	2949.484	2953.365	2965.008	2968.889	2976.651	2976.651
20	1197.258	1200.751	1206.572	1214.722	1225.2	1232.574	1245.381	1253.531
25	431.5561	432.3323	436.2132	439.706	443.5869	445.9155	451.3487	458.7224
30	175.4167	176.1929	177.3571	176.9691	178.9095	180.4619	183.9547	185.8951
35	135.0553	135.0553	134.6672	134.2791	134.2791	135.0553	135.4434	135.8315
40	126.9054	126.5173	126.1293	126.5173	126.1293	127.6816	128.4578	129.6221
45	123.0245	121.8603	122.2484	122.2484	123.0245	123.8007	124.1888	125.7412
50	119.5317	118.3675	117.9794	117.2032	117.2032	117.9794	118.7555	119.5317
55	104.0081	103.2319	102.4558	102.4558	102.0677	102.4558	103.2319	104.0081
60	82.27509	81.88699	81.4989	81.4989	81.4989	82.27509	83.05127	83.82745
65	60.54205	60.54205	60.54205	60.15395	60.54205	60.54205	60.54205	61.31823
70	43.85417	43.85417	43.85417	43.85417	43.85417	43.85417	43.85417	43.85417
75	30.65911	30.65911	30.65911	30.65911	30.27102	30.27102	30.65911	31.0472
80	18.24023	18.24023	18.24023	18.62832	18.62832	18.24023	18.24023	18.62832
85	6.209441	6.209441	6.597531	6.209441	6.597531	6.209441	6.597531	6.597531
90	0	0	0	0	0	0	0	0

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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	9741.06	9741.06	9737.179	9741.06	9430.587	9737.179	9733.298	9737.179
1	9698.37	9706.132	9706.132	9713.894	9717.774	9725.536	9721.655	9725.536
2	9508.206	9508.206	9519.849	9523.729	9531.491	9539.253	9550.896	9562.538
3	9221.02	9224.9	9232.662	9244.305	9248.186	9263.709	9271.471	9279.232
4	8836.811	8844.572	8856.214	8863.977	8871.738	8887.262	8895.023	8906.666
5	8386.626	8398.268	8406.03	8417.673	8433.196	8444.839	8452.601	8468.124
6	7870.466	7882.108	7897.632	7905.394	7917.037	7932.561	7948.083	7963.607
7	7331.021	7338.782	7350.425	7362.067	7373.71	7381.473	7396.996	7412.52
8	6776.051	6787.694	6787.694	6803.218	6807.1	6814.861	6826.503	6842.027
9	6209.44	6217.203	6217.203	6228.845	6236.606	6244.369	6244.369	6259.892
10	5635.067	5638.948	5642.829	5650.591	5662.233	5669.995	5673.876	5685.519
11	5072.336	5076.217	5080.099	5087.86	5099.503	5107.265	5115.027	5122.788
12	4513.487	4513.487	4517.368	4525.13	4532.892	4540.653	4552.296	4563.939
13	3962.399	3966.28	3974.042	3981.804	3989.565	3993.446	4001.208	4012.851
14	3461.763	3465.644	3473.406	3473.406	3485.048	3488.929	3504.453	3508.334
15	2992.174	2999.936	3007.698	3011.579	3015.459	3023.221	3034.864	3042.626
20	1255.859	1262.069	1262.845	1267.89	1274.1	1278.369	1286.13	1292.728
25	462.9914	468.4247	471.5294	473.8579	474.6341	475.4103	476.5746	480.0674
30	188.2237	188.6118	188.9998	186.6713	186.2832	184.7309	184.7309	183.9547
35	135.8315	136.9958	137.772	138.16	136.2196	135.0553	134.2791	133.1149
40	129.234	129.6221	129.6221	129.6221	129.234	128.0697	127.2935	126.1293
45	126.1293	125.7412	125.7412	126.5173	126.5173	124.965	124.5769	123.8007
50	119.9198	121.0841	121.0841	123.4126	123.4126	122.6365	122.2484	121.0841
55	104.0081	104.3962	105.5605	107.5009	107.1128	106.7248	106.3367	106.7248
60	84.21553	83.43935	83.82745	84.99171	84.60362	84.60362	84.21553	83.43935
65	61.31823	60.93014	61.70631	61.31823	61.31823	60.93014	60.54205	60.54205
70	44.24226	44.24226	44.24226	44.24226	43.85417	43.46608	43.078	43.078
75	30.65911	30.27102	30.27102	30.65911	29.88293	29.88293	29.49484	29.10675
80	18.24023	18.24023	18.24023	17.85214	17.85214	17.46405	17.46405	17.46405
85	6.597531	6.209441	6.597531	6.98562	6.597531	6.597531	6.597531	6.597531
90	0	0	0	0	0	0	0	0

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光強數據表(三)

光強數據表(cd)

第 3 頁 共 10 頁

$\gamma/(\text{C}^\circ)$	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0
0	9737.179	9737.179	9733.298	9725.536	9725.536	9725.536	9721.655	9721.655
1	9733.298	9737.179	9733.298	9733.298	9729.417	9737.179	9741.06	9741.06
2	9570.3	9574.181	9578.062	9581.943	9585.824	9585.824	9581.943	9589.704
3	9290.875	9298.637	9314.16	9318.042	9321.923	9329.685	9341.327	9349.089
4	8918.309	8929.951	8945.475	8949.355	8972.642	8972.642	8992.046	8995.927
5	8483.648	8499.172	8503.053	8510.814	8526.338	8541.861	8561.266	8572.909
6	7975.25	7986.893	7998.536	8017.94	8029.583	8041.225	8068.392	8080.034
7	7424.162	7435.805	7451.329	7470.733	7486.257	7497.899	7521.185	7536.708
8	6853.67	6861.432	6873.074	6888.598	6904.122	6919.645	6939.049	6954.573
9	6271.535	6275.416	6290.939	6302.582	6318.106	6329.748	6349.153	6364.676
10	5697.162	5704.923	5724.328	5735.971	5751.494	5770.898	5786.422	5809.708
11	5142.193	5149.955	5173.24	5184.883	5200.406	5219.811	5243.096	5274.144
12	4583.343	4591.105	4614.391	4626.033	4645.438	4668.723	4692.008	4719.175
13	4028.375	4040.017	4055.541	4074.945	4094.35	4117.635	4137.04	4168.087
14	3519.976	3531.619	3547.143	3562.667	3585.952	3613.118	3628.642	3651.927
15	3058.149	3069.792	3077.554	3100.839	3112.482	3143.529	3155.172	3178.457
20	1302.042	1315.237	1328.432	1341.627	1357.927	1371.898	1389.362	1405.274
25	483.1721	487.4411	494.4267	501.0242	511.8907	521.9811	532.8476	543.326
30	185.507	186.2832	189.776	192.1046	195.9855	197.1497	198.7021	199.4783
35	131.1744	131.1744	129.6221	130.0102	129.6221	130.0102	130.3983	131.9506
40	125.3531	124.965	124.1888	124.5769	123.4126	123.4126	123.8007	123.8007
45	123.8007	123.4126	123.8007	123.0245	122.6365	121.4722	121.4722	120.696
50	120.696	121.0841	121.0841	121.0841	120.3079	119.5317	117.9794	117.5913
55	105.9486	105.9486	105.9486	105.9486	105.9486	105.1724	104.0081	103.2319
60	83.43935	83.43935	83.43935	83.43935	83.43935	83.05127	81.88699	81.4989
65	60.54205	60.54205	60.93014	60.54205	60.93014	60.54205	60.54205	60.15395
70	43.078	42.6899	42.6899	43.078	43.078	43.078	43.078	43.46608
75	29.49484	29.10675	29.49484	29.49484	29.49484	29.88293	30.27102	31.0472
80	17.46405	17.46405	17.46405	17.85214	17.85214	18.24023	18.24023	18.62832
85	6.597531	6.209441	6.597531	6.597531	6.597531	6.98562	6.98562	7.37371
90	0	0	0	0	0	0	0	0

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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	9717.774	9717.774	9710.013	9710.013	9710.013	9706.132	9706.132	9702.251
1	9741.06	9741.06	9744.94	9744.94	9744.94	9748.822	9748.822	9748.822
2	9597.466	9601.348	9605.229	9609.109	9609.109	9612.99	9620.752	9620.752
3	9360.731	9360.731	9364.612	9372.374	9372.374	9372.374	9384.017	9391.779
4	9015.331	9019.212	9034.736	9038.617	9050.26	9054.141	9058.021	9065.783
5	8584.552	8592.313	8607.837	8619.479	8631.122	8642.765	8650.527	8654.407
6	8099.439	8114.962	8130.486	8142.128	8146.01	8165.415	8169.295	8188.7
7	7559.994	7575.518	7594.922	7606.564	7625.969	7637.612	7660.897	7668.659
8	6981.739	6993.382	7016.667	7032.191	7055.477	7074.881	7094.286	7113.69
9	6387.961	6407.366	6426.771	6453.937	6473.342	6488.865	6512.151	6539.317
10	5832.993	5852.397	5871.802	5895.087	5914.492	5937.777	5957.182	5976.586
11	5293.548	5316.833	5336.238	5355.643	5371.166	5386.689	5406.094	5425.499
12	4738.579	4765.746	4792.912	4816.197	4831.721	4855.006	4870.53	4889.935
13	4187.491	4218.539	4241.824	4268.99	4288.395	4311.68	4327.204	4354.37
14	3671.332	3698.498	3721.783	3748.95	3768.354	3783.878	3807.163	3822.687
15	3197.862	3221.147	3248.313	3271.599	3291.003	3310.408	3322.051	3333.693
20	1425.067	1441.366	1457.278	1470.861	1487.161	1492.982	1499.58	1496.475
25	551.0878	558.0734	558.4615	560.7901	556.5211	553.4164	545.6546	543.7141
30	200.2544	199.8664	200.2544	198.314	199.4783	199.8664	200.6425	199.4783
35	131.5625	131.5625	131.9506	131.5625	132.7268	134.2791	133.8911	134.6672
40	123.4126	123.0245	122.2484	122.6365	123.0245	124.1888	123.8007	124.1888
45	119.9198	118.3675	117.9794	117.5913	117.9794	117.9794	117.9794	117.2032
50	116.0389	115.2627	114.4865	114.4865	113.7104	113.3223	112.5461	112.5461
55	101.6796	101.2915	100.1272	100.1272	99.73914	99.35105	98.96295	99.35105
60	80.72272	80.33463	80.33463	80.72272	80.33463	79.94655	79.94655	79.55846
65	60.15395	60.15395	59.76587	59.76587	59.76587	59.37777	59.37777	59.37777
70	43.85417	43.46608	43.85417	43.46608	43.46608	43.85417	43.85417	43.85417
75	31.0472	31.0472	31.0472	31.0472	31.43529	31.0472	31.43529	31.43529
80	19.01641	19.4045	19.79259	19.79259	20.18068	20.18068	20.18068	20.95686
85	6.98562	6.98562	7.37371	7.37371	7.7618	7.7618	8.149891	7.7618
90	0	0	0	0	0	0	0	0

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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	9702.251	9698.37	9702.251	9698.37	9698.37	9702.251	9702.251	9706.132
1	9752.702	9744.94	9748.822	9752.702	9752.702	9756.583	9760.464	9760.464
2	9624.633	9636.275	9636.275	9644.037	9647.918	9651.799	9651.799	9651.799
3	9391.779	9395.659	9395.659	9391.779	9391.779	9391.779	9391.779	9391.779
4	9069.664	9065.783	9069.664	9069.664	9069.664	9073.545	9081.307	9077.426
5	8662.169	8662.169	8673.813	8669.932	8681.574	8693.217	8693.217	8704.859
6	8192.581	8200.342	8211.985	8219.747	8231.389	8239.151	8250.794	8254.675
7	7680.302	7699.706	7711.349	7719.11	7730.753	7742.396	7750.158	7754.039
8	7129.214	7144.737	7156.38	7175.785	7187.427	7202.951	7202.951	7210.713
9	6558.721	6582.006	6597.53	6613.054	6616.935	6636.34	6644.102	6651.863
10	5988.229	6011.515	6030.919	6054.205	6073.609	6093.013	6096.895	6100.775
11	5433.26	5456.546	5472.069	5499.236	5514.759	5534.164	5530.283	5541.925
12	4905.458	4928.743	4940.386	4955.91	4963.671	4971.434	4979.195	4986.957
13	4366.013	4377.655	4397.06	4400.941	4408.703	4416.464	4416.464	4420.346
14	3838.21	3849.853	3865.377	3869.258	3877.019	3888.662	3892.543	3900.305
15	3349.217	3360.86	3368.622	3372.502	3384.145	3391.907	3391.907	3403.55
20	1489.101	1484.444	1480.952	1482.504	1485.22	1489.878	1492.206	1499.58
25	541.7737	540.9975	540.2213	543.326	543.326	546.4307	545.2665	544.8784
30	197.9259	195.5974	193.6569	193.2688	190.9403	192.1046	190.5522	191.7165
35	134.2791	135.4434	135.4434	136.6077	137.3839	138.16	137.772	137.772
40	124.1888	124.965	124.965	125.7412	126.5173	126.5173	126.1293	126.9054
45	117.2032	116.8151	117.5913	117.9794	118.7555	118.3675	118.7555	119.1436
50	112.158	112.158	112.158	112.5461	113.3223	112.158	111.7699	111.7699
55	98.57487	99.35105	98.57487	98.96295	99.73914	98.96295	97.79869	98.18678
60	79.17036	79.55846	79.55846	79.17036	79.94655	79.55846	78.78227	79.17036
65	59.76587	59.76587	60.15395	59.76587	59.76587	59.37777	59.76587	59.37777
70	44.24226	43.85417	44.24226	44.63035	44.63035	44.63035	45.01844	44.63035
75	31.82338	31.82338	32.21147	32.21147	32.59956	32.59956	32.59956	32.21147
80	20.56877	20.95686	20.95686	21.34495	20.95686	21.34495	21.34495	21.34495
85	8.53798	8.149891	8.149891	8.149891	8.53798	8.53798	8.53798	8.92607
90	0	0	0	0	0	0	0.38809	0

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光強數據表(六)

光強數據表(cd)

第 6 頁 共 10 頁

θ/C°	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0
0	9710.013	9713.894	9713.894	9713.894	9717.774	9717.774	9717.774	9717.774
1	9760.464	9764.345	9760.464	9756.583	9760.464	9756.583	9756.583	9752.702
2	9655.68	9659.561	9663.441	9663.441	9655.68	9659.561	9651.799	9647.918
3	9399.54	9399.54	9399.54	9399.54	9391.779	9395.659	9387.898	9376.255
4	9077.426	9089.068	9081.307	9081.307	9073.545	9065.783	9058.021	9042.497
5	8704.859	8704.859	8700.979	8700.979	8693.217	8681.574	8662.169	8654.407
6	8258.556	8258.556	8254.675	8246.913	8235.271	8223.628	8219.747	8204.223
7	7761.801	7757.919	7757.919	7746.276	7726.873	7711.349	7703.587	7684.182
8	7210.713	7210.713	7206.832	7195.189	7183.546	7160.261	7148.618	7129.214
9	6659.625	6651.863	6647.982	6636.34	6628.578	6616.935	6597.53	6574.245
10	6100.775	6093.013	6089.132	6085.252	6069.728	6054.205	6034.8	6015.396
11	5534.164	5538.045	5526.402	5506.998	5495.354	5483.712	5464.308	5441.022
12	4979.195	4975.314	4963.671	4952.029	4932.624	4924.862	4901.577	4893.815
13	4428.107	4424.226	4416.464	4412.583	4404.822	4389.298	4369.894	4350.489
14	3900.305	3896.424	3892.543	3884.781	3869.258	3865.377	3849.853	3830.448
15	3399.669	3399.669	3395.788	3388.026	3384.145	3372.502	3356.979	3337.574
20	1503.073	1503.461	1500.744	1498.416	1491.042	1478.623	1464.264	1449.516
25	544.4903	546.4307	545.2665	546.0427	540.9975	537.8928	530.519	521.9811
30	193.6569	194.4331	195.2093	195.9855	194.4331	192.4926	192.1046	187.8356
35	138.5481	139.3243	139.7124	139.7124	139.3243	139.7124	139.7124	138.9362
40	127.2935	128.8459	128.4578	129.234	128.8459	128.8459	128.8459	128.8459
45	119.5317	119.9198	121.0841	120.696	120.696	121.0841	121.8603	122.2484
50	111.7699	112.5461	112.158	112.5461	112.9342	113.7104	114.4865	116.427
55	98.57487	98.18678	98.57487	98.18678	98.18678	98.96295	99.35105	100.9034
60	79.17036	79.55846	79.55846	79.55846	79.17036	79.17036	79.94655	81.11082
65	59.76587	59.76587	59.37777	59.37777	59.37777	59.37777	59.37777	59.76587
70	44.24226	44.63035	44.24226	43.85417	44.24226	44.24226	44.24226	44.24226
75	32.59956	32.21147	32.21147	32.21147	31.82338	31.82338	32.21147	31.82338
80	20.95686	20.95686	20.95686	20.95686	20.95686	20.56877	20.56877	20.56877
85	8.92607	8.53798	8.53798	8.53798	8.53798	8.53798	8.53798	8.149891
90	0.38809	0	0.38809	0	0	0	0	0

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光強數據表(七)

光強數據表(cd)

第 7 頁 共 10 頁

θ/C°	240.0	245.0	250.0	255.0	260.0	265.0	270.0	275.0
0	9725.536	9721.655	9779.869	9756.583	9729.417	9729.417	9725.536	9729.417
1	9752.702	9744.94	9744.94	9744.94	9744.94	9741.06	9741.06	9741.06
2	9636.275	9632.395	9628.514	9616.871	9612.99	9605.229	9605.229	9469.396
3	9368.493	9368.493	9364.612	9356.851	9352.97	9349.089	9337.446	9329.685
4	9030.855	9026.974	9015.331	9015.331	9007.569	9003.688	8995.927	8984.284
5	8638.884	8631.122	8619.479	8619.479	8596.194	8584.552	8569.027	8557.385
6	8180.938	8165.415	8161.534	8146.01	8134.367	8122.725	8099.439	8080.034
7	7668.659	7657.016	7645.374	7633.731	7614.327	7602.684	7575.518	7556.113
8	7113.69	7098.167	7082.643	7067.119	7047.715	7024.43	7008.906	6981.739
9	6554.84	6543.198	6512.151	6484.984	6477.223	6446.176	6419.009	6387.961
10	5995.991	5976.586	5953.301	5930.016	5898.968	5883.445	5864.04	5836.874
11	5421.618	5409.975	5390.571	5367.285	5351.761	5324.595	5305.191	5281.905
12	4878.292	4858.887	4839.483	4820.078	4804.555	4781.269	4765.746	4738.579
13	4334.966	4315.561	4296.156	4272.871	4249.586	4222.419	4199.134	4175.849
14	3811.044	3791.64	3764.473	3737.307	3714.021	3690.736	3663.57	3636.404
15	3310.408	3287.123	3271.599	3244.432	3217.266	3190.1	3166.814	3139.648
20	1437.097	1421.574	1406.438	1394.019	1383.929	1372.286	1361.808	1349.001
25	513.8312	502.5766	495.5909	492.0981	487.053	484.3364	485.1125	483.5602
30	184.7309	182.4023	180.4619	179.6857	179.6857	179.6857	180.0738	181.2381
35	138.5481	136.9958	136.2196	136.2196	135.8315	137.3839	136.9958	136.2196
40	128.8459	128.4578	127.6816	127.6816	127.6816	128.4578	128.4578	128.0697
45	122.2484	121.8603	121.0841	121.0841	121.8603	122.2484	123.4126	123.4126
50	116.0389	116.0389	115.6508	115.2627	115.6508	115.6508	116.0389	116.8151
55	100.9034	100.9034	100.9034	101.2915	101.2915	101.2915	101.2915	101.6796
60	80.72272	80.72272	80.33463	80.33463	80.33463	80.72272	80.72272	80.33463
65	59.37777	59.37777	58.98968	58.98968	58.98968	58.2135	58.60159	58.60159
70	44.24226	43.85417	43.46608	43.46608	43.078	42.6899	42.6899	42.6899
75	31.82338	31.82338	31.43529	31.0472	30.65911	30.27102	30.27102	30.27102
80	20.18068	20.18068	19.79259	19.79259	19.79259	19.4045	19.01641	19.01641
85	8.53798	8.149891	8.149891	7.7618	7.7618	7.7618	7.37371	7.37371
90	0	0	0	0	0	0	0	0

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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	9729.417	9729.417	9725.536	9725.536	9725.536	9725.536	9729.417	9729.417
1	9737.179	9725.536	9721.655	9717.774	9713.894	9710.013	9706.132	9706.132
2	9616.871	9597.466	9566.419	9554.776	9543.134	9543.134	9531.491	9519.849
3	9318.042	9306.398	9290.875	9275.352	9252.066	9232.662	9224.9	9205.495
4	8964.88	8945.475	8933.833	8910.547	8891.143	8875.619	8852.333	8844.572
5	8541.861	8526.338	8510.814	8487.529	8464.243	8444.839	8425.435	8406.03
6	8064.511	8041.225	8021.821	8002.417	7975.25	7955.846	7932.561	7917.037
7	7532.827	7509.542	7478.495	7459.09	7431.924	7408.639	7389.234	7369.83
8	6954.573	6931.288	6904.122	6884.717	6857.551	6838.146	6814.861	6799.337
9	6376.319	6349.153	6318.106	6294.82	6271.535	6252.13	6236.606	6217.203
10	5809.708	5782.541	5759.256	5739.852	5712.685	5693.281	5677.757	5666.115
11	5266.381	5239.215	5212.049	5196.525	5173.24	5161.598	5134.431	5122.788
12	4723.056	4695.89	4672.604	4657.08	4637.676	4622.152	4591.105	4575.582
13	4156.444	4129.278	4102.111	4078.826	4055.541	4036.136	4016.732	4005.089
14	3609.237	3585.952	3566.547	3543.262	3527.739	3512.215	3500.572	3485.048
15	3124.125	3096.958	3073.673	3054.269	3042.626	3023.221	3015.459	2999.936
20	1338.522	1325.327	1312.521	1300.102	1285.742	1271.771	1262.845	1247.709
25	482.0078	480.4555	478.9031	476.1865	471.5294	467.6485	459.8867	455.6177
30	180.0738	180.8499	180.4619	181.2381	180.8499	180.8499	180.8499	180.0738
35	135.4434	135.4434	135.0553	135.0553	135.4434	135.0553	135.4434	135.4434
40	127.6816	126.5173	126.9054	127.2935	127.6816	127.6816	127.6816	128.4578
45	123.4126	123.0245	123.0245	123.4126	124.1888	123.8007	123.8007	123.4126
50	117.2032	117.2032	117.2032	117.5913	117.9794	117.9794	117.5913	117.5913
55	101.6796	100.9034	101.2915	101.2915	101.6796	101.6796	101.2915	102.4558
60	81.11082	79.55846	79.55846	79.17036	79.17036	79.17036	79.55846	80.33463
65	59.37777	58.60159	58.60159	58.60159	58.2135	58.60159	58.60159	58.98968
70	42.6899	42.6899	42.6899	42.6899	42.30181	42.6899	42.6899	42.6899
75	30.27102	30.65911	30.65911	30.65911	30.27102	30.27102	30.27102	30.27102
80	19.01641	19.01641	19.01641	18.62832	18.62832	18.62832	18.62832	18.62832
85	6.98562	7.37371	6.98562	6.98562	6.98562	6.597531	6.597531	6.597531
90	0	0	0	0	0	0	0	0

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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	9729.417	9733.298	9729.417	9733.298	9737.179	9737.179	9741.06	9741.06
1	9702.251	9706.132	9698.37	9698.37	9686.727	9690.607	9686.727	9682.847
2	9492.682	9481.039	9473.277	9477.158	9473.277	9473.277	9481.039	9481.039
3	9201.614	9182.21	9178.329	9178.329	9178.329	9174.448	9178.329	9174.448
4	8829.048	8809.644	8801.882	8794.12	8794.12	8786.358	8778.597	8786.358
5	8390.507	8374.982	8363.34	8359.46	8347.816	8343.936	8340.055	8343.936
6	7897.632	7885.989	7878.227	7858.823	7854.942	7847.18	7843.299	7839.419
7	7358.187	7338.782	7327.139	7319.378	7307.735	7303.854	7296.092	7292.212
8	6779.933	6764.409	6756.647	6748.885	6748.885	6741.124	6737.243	6737.243
9	6205.56	6193.917	6182.274	6178.393	6170.631	6174.512	6178.393	6182.274
10	5646.71	5646.71	5627.305	5623.424	5619.543	5619.543	5623.424	5627.305
11	5107.265	5095.622	5087.86	5083.979	5072.336	5076.217	5076.217	5080.099
12	4556.177	4540.653	4525.13	4521.249	4517.368	4517.368	4513.487	4513.487
13	3993.446	3977.923	3966.28	3958.518	3946.875	3946.875	3939.114	3942.995
14	3469.525	3457.882	3446.24	3442.358	3438.478	3430.716	3422.954	3422.954
15	2988.293	2976.651	2968.889	2965.008	2957.246	2957.246	2949.484	2949.484
20	1237.619	1225.2	1216.274	1206.184	1199.198	1194.541	1192.601	1192.213
25	448.6321	442.0346	436.6013	433.1085	429.2275	426.5109	426.899	426.5109
30	178.9095	178.1333	177.3571	175.8048	176.1929	175.8048	175.8048	175.8048
35	135.0553	134.6672	134.2791	134.2791	134.2791	133.8911	134.2791	134.6672
40	128.8459	128.8459	128.4578	128.8459	127.6816	128.0697	127.2935	127.2935
45	123.8007	123.8007	123.8007	123.4126	123.0245	122.6365	122.6365	123.0245
50	117.5913	118.3675	117.9794	118.3675	118.3675	118.3675	118.3675	119.1436
55	102.0677	102.4558	102.8438	102.8438	102.8438	103.2319	103.62	103.62
60	80.33463	79.94655	80.72272	80.72272	81.11082	81.11082	81.4989	81.4989
65	58.98968	58.98968	58.98968	59.37777	59.76587	60.15395	60.15395	60.54205
70	42.6899	42.30181	42.6899	43.078	43.078	43.46608	43.85417	43.85417
75	29.88293	29.88293	29.88293	30.27102	30.27102	29.88293	30.27102	30.27102
80	18.24023	18.24023	18.24023	18.24023	18.24023	18.24023	18.24023	17.85214
85	6.597531	6.597531	6.209441	6.209441	6.209441	6.209441	6.597531	6.597531
90	0	0	0	0	0	0	0	0

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光強數據表(十)

光強數據表(cd)

第 10 頁 共 10 頁

$\gamma/C(^{\circ})$	360.0
0	9756.583
1	9690.607
2	9484.921
3	9182.21
4	8794.12
5	8343.936
6	7831.657
7	7292.212
8	6741.124
9	6182.274
10	5627.305
11	5076.217
12	4513.487
13	3942.995
14	3419.073
15	2941.722
20	1197.258
25	431.5561
30	175.4167
35	135.0553
40	126.9054
45	123.0245
50	119.5317
55	104.0081
60	82.27509
65	60.54205
70	43.85417
75	30.65911
80	18.24023
85	6.209441
90	0

-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-04	數位電力計	YOKOGAWA WT210 (91JB34562)
3	99E-05	數位電力計	YOKOGAWA WT210 (91K116100)
4	99E-16	AC Power Source	APC AFC-5KW
5	990-01	立式大型分佈光度計	浙大三色 GMS-2000
6	990-22	快速光譜輻射分析儀(4 π)	浙大三色 SPR-3000
7	990-04	恆溫積分球(4 π)	浙大三色
8	1040-31	測光標準燈 110V/100W	浙大三色(S13100197)
9	99T-06	溫濕度記錄器	YOKOGAWA - SR16000 (S5K910111)
			測試人員：許文凱

-以下空白-