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## 十方光電科技有限公司

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燈具名稱: AR111	電壓(V): 220.0100
燈具描述: AR14-1206WO/BO	電流(A): 0.1590
報告編號: 18-0555-23	功率(W): 13.0800
測試編號: 18-0555-23	功率因數: 0.3750
光源規格型號: LED 14W	鎮流器型號: Ten Lighting/YD12-24-500
每個光源光通量(lm)	發光面寬度(mm): 111
光源數量: 1	發光面高度(mm): 52
發光面長度(mm): 111	
測試模式: C	

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## 光度結果

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燈具光通量(lm): 1176.32  
燈具效能(lm/w): 89.93  
中心光強(cd): 2589.352  
最大光強(cd): 2796.772  
最大光強角度: C=30.0  $\gamma$ =10.0  
半峰邊角(50%Imax): [C0/180]Left=26.2 Right=24.4  
                                  [C90/270]Left=9.0 Right=13.5  
光束擴散角(10%Imax): [C0/180]Left=37.3 Right=37.5  
                                  [C90/270]Left=22.0 Right=26.7

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測試設備: GMS-2000  
環境溫度(°C): 25.0

測試日期: 2020/4/17  
環境濕度(%): 60.0%

測試人員: 廖苡汎  
測試距離(m): 20.03

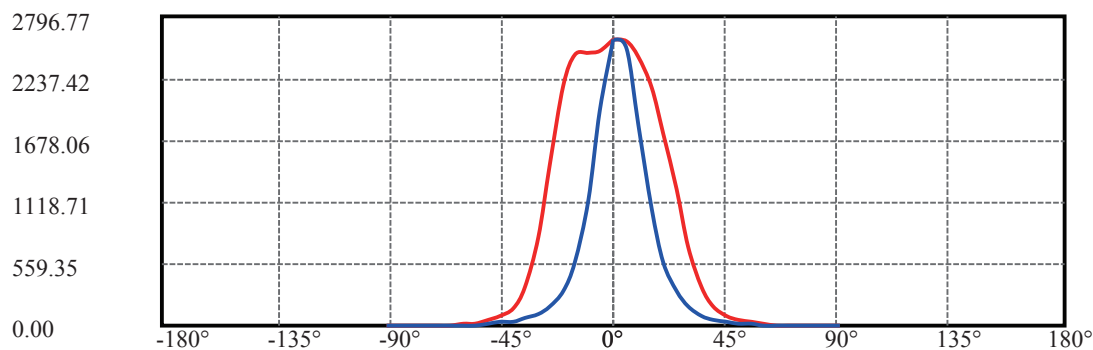
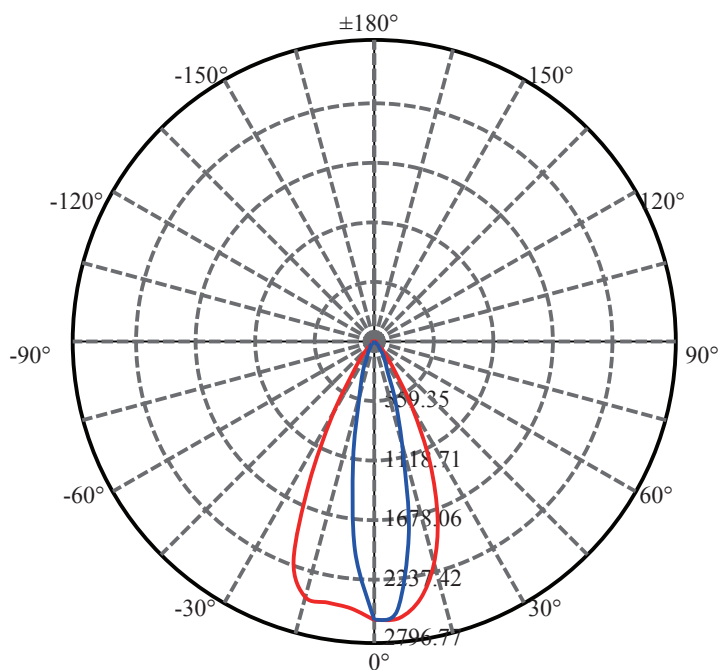
γ(°)	平均光強(cd)	環帶光通(lm)	累積光通(lm)	有效光通(%)	有效累計(%)
0.0	2589.354	.000	.000	.000%	.000%
5.0	2376.285	59.363	59.363	5.047%	5.047%
10.0	1931.771	154.113	213.476	13.101%	18.148%
15.0	1501.054	203.633	417.108	17.311%	35.459%
20.0	1104.785	214.758	631.866	18.257%	53.716%
25.0	719.320	191.315	823.181	16.264%	69.980%
30.0	407.603	142.613	965.794	12.124%	82.103%
35.0	206.162	90.381	1056.175	7.683%	89.787%
40.0	102.195	51.447	1107.622	4.374%	94.160%
45.0	57.801	29.624	1137.247	2.518%	96.679%
50.0	33.762	18.502	1155.748	1.573%	98.252%
55.0	17.792	11.210	1166.958	.953%	99.204%
60.0	7.974	5.956	1172.914	.506%	99.711%
65.0	2.574	2.564	1175.478	.218%	99.929%
70.0	.362	.744	1176.222	.063%	99.992%
75.0	.000	.095	1176.316	.008%	100.000%
80.0	.000	.000	1176.316	.000%	100.000%
85.0	.000	.000	1176.316	.000%	100.000%
90.0	.000	.000	1176.316	.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	965.79	82.10%
0-40	1107.62	94.16%
0-60	1172.91	99.71%
0-90	1176.32	100.00%
0-120	1176.32	100.00%
0-180	1176.32	100.00%
60-90	9.36	0.80%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.00	0.00%
90-180	0.00	0.00%
0-29.13	941.05	80.00%

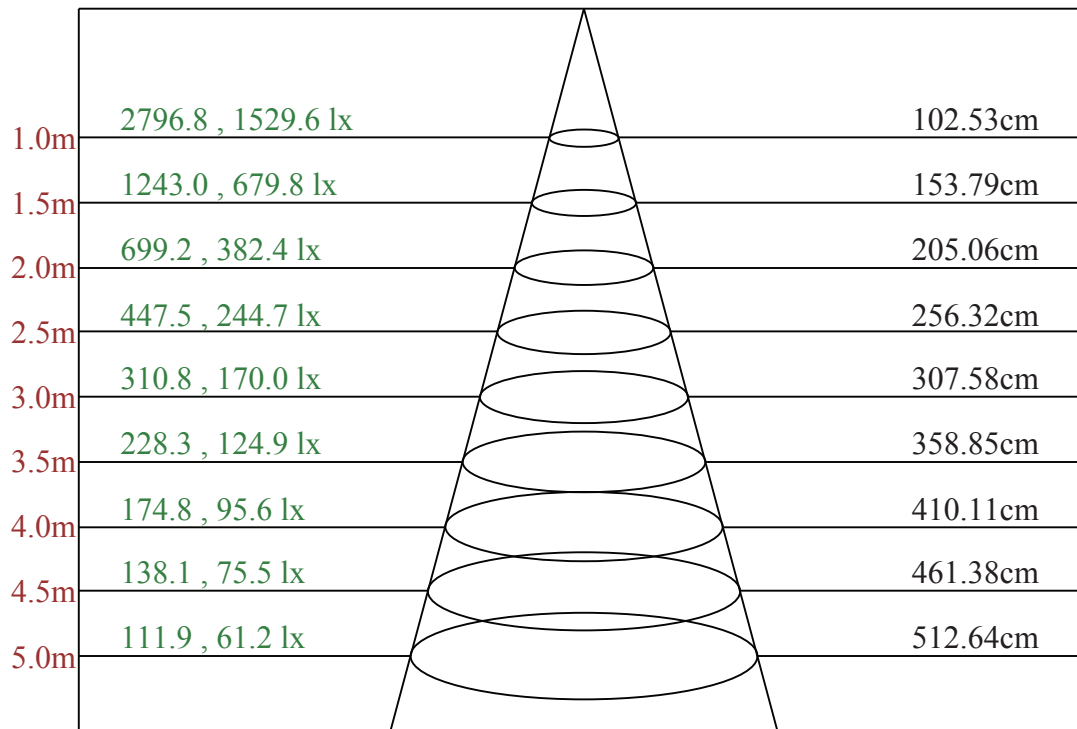
ZONAL LUMEN SUMMARY

0-10	213.48
10-20	418.39
20-30	333.93
30-40	141.83
40-50	48.13
50-60	17.17
60-70	3.31
70-80	0.09
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

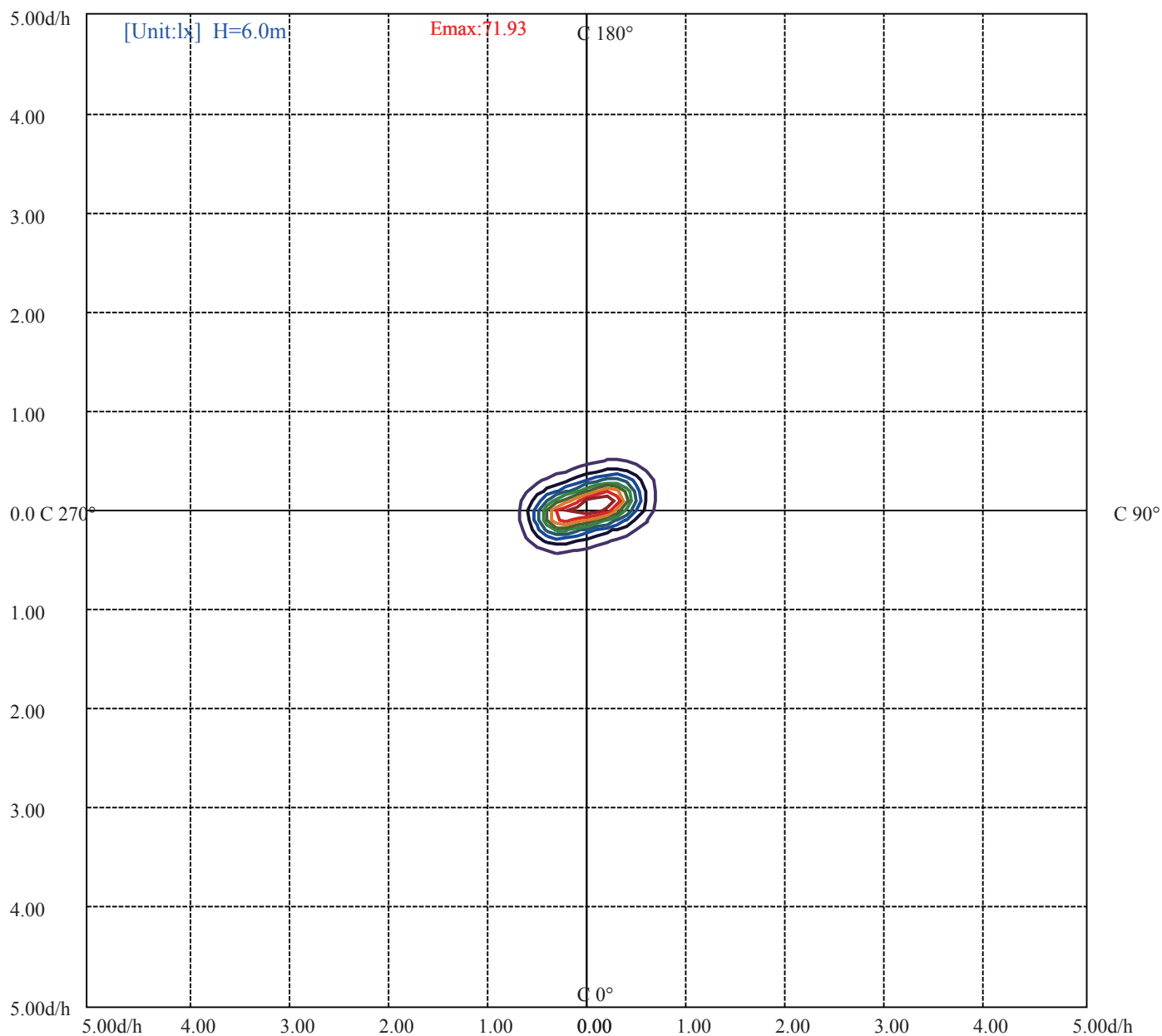


C0/C180: —  
 C90/C270: —

照度距離圖表



Max , Ave C30面光束角54.21



- (10%Emax) 7.192667
- (20%Emax) 14.3853
- (30%Emax) 21.57797
- (40%Emax) 28.77056
- (50%Emax) 35.96333
- (60%Emax) 43.15583
- (70%Emax) 50.34861
- (80%Emax) 57.54111
- (90%Emax) 64.73389

測試設備：GMS-2000  
環境溫度(°C)：25.0

測試日期：2020/4/17  
環境濕度(%)：60.0%

測試人員：廖苡汎  
測試距離(m)：20.03

光強數據表(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	2589.35	2568.09	2432.88	2146.43	1740.41	1235.30	720.56	351.45	167.30
5.0	2589.35	2614.23	2537.60	2350.24	2014.43	1459.57	850.95	394.38	185.76
10.0	2589.35	2655.55	2631.48	2555.25	2259.97	1661.37	948.44	454.56	200.60
15.0	2589.35	2684.84	2719.34	2692.06	2393.57	1767.29	1049.14	506.72	216.65
20.0	2589.35	2720.14	2771.90	2762.67	2460.16	1835.49	1101.70	535.60	229.09
25.0	2589.35	2745.82	2791.96	2768.29	2465.38	1827.47	1094.08	540.42	235.50
30.0	2589.35	2753.84	2796.77	2722.15	2385.94	1739.61	1050.75	527.18	232.70
35.0	2589.35	2752.64	2765.08	2627.47	2220.25	1582.34	957.27	487.86	217.45
40.0	2589.35	2739.80	2697.27	2466.18	2036.50	1436.70	795.18	426.88	193.38
45.0	2589.35	2720.95	2613.02	2330.98	1825.87	1244.12	713.34	377.13	169.31
50.0	2589.35	2701.69	2535.59	2126.37	1601.19	1033.90	593.38	333.00	150.85
55.0	2589.35	2680.02	2424.86	1948.63	1370.50	850.55	511.93	277.23	126.78
60.0	2589.35	2661.57	2332.98	1756.86	1161.08	735.00	419.66	229.49	108.73
65.0	2589.35	2644.32	2221.05	1578.32	1029.48	609.42	355.46	189.37	95.08
70.0	2589.35	2614.63	2112.72	1462.78	884.25	520.36	293.68	160.88	85.05
75.0	2589.35	2588.15	2042.11	1323.56	779.13	436.91	243.93	141.22	73.02
80.0	2589.35	2556.85	1952.24	1223.26	687.26	375.93	214.64	120.36	62.99
85.0	2589.35	2526.76	1886.85	1130.18	616.65	340.62	185.35	104.31	55.37
90.0	2589.35	2503.49	1816.64	1061.18	578.53	306.52	166.50	93.08	50.95
95.0	2589.35	2477.82	1764.08	1023.06	542.02	285.25	152.86	85.86	47.74
100.0	2589.35	2463.78	1736.80	983.74	519.96	270.81	146.04	80.64	45.74
105.0	2589.35	2447.33	1706.31	964.09	506.32	263.19	141.62	79.44	44.93
110.0	2589.35	2429.27	1689.46	956.06	502.30	261.18	140.42	79.44	45.34
115.0	2589.35	2417.24	1685.85	960.48	507.92	264.79	144.03	82.65	46.14
120.0	2589.35	2412.82	1693.87	973.71	523.57	276.43	153.26	87.46	48.55
125.0	2589.35	2416.43	1719.95	1015.84	556.06	301.30	163.29	93.08	50.95
130.0	2589.35	2427.27	1756.46	1070.40	602.60	327.78	206.22	102.31	54.96
135.0	2589.35	2432.48	1818.64	1153.85	651.55	374.32	209.83	116.75	62.19
140.0	2589.35	2442.51	1884.04	1229.68	740.62	439.72	251.15	134.40	71.41
145.0	2589.35	2446.93	1941.41	1350.84	840.92	511.13	303.31	157.27	83.45
150.0	2589.35	2453.34	2025.66	1496.08	986.55	614.24	349.45	190.17	93.88
155.0	2589.35	2462.17	2101.49	1642.12	1169.10	710.53	421.26	214.64	106.72
160.0	2589.35	2470.19	2186.55	1820.25	1325.57	864.59	490.67	246.34	117.55
165.0	2589.35	2477.82	2270.00	1964.28	1561.07	1013.84	580.14	279.64	127.58
170.0	2589.35	2482.63	2335.39	2160.47	1767.29	1193.17	648.34	316.95	135.61
175.0	2589.35	2483.03	2406.80	2311.72	1987.95	1319.15	728.98	335.40	147.64
180.0	2589.35	2488.25	2458.56	2457.36	2164.48	1451.14	795.58	350.25	155.26
185.0	2589.35	2482.23	2490.66	2531.58	2256.35	1541.41	820.86	361.88	163.29
190.0	2589.35	2473.00	2494.67	2576.91	2312.12	1573.51	821.26	363.09	162.89
195.0	2589.35	2451.74	2478.22	2559.26	2291.26	1544.22	798.39	348.64	161.68
200.0	2589.35	2428.07	2424.06	2485.84	2176.92	1480.83	755.46	334.20	154.46
205.0	2589.35	2389.95	2345.82	2339.40	2044.52	1344.83	698.49	307.32	147.64
210.0	2589.35	2354.25	2233.08	2196.98	1821.45	1192.37	608.22	278.43	134.80
215.0	2589.35	2311.72	2138.40	1979.12	1571.50	1003.00	512.73	241.52	121.97
220.0	2589.35	2280.43	2004.00	1746.43	1351.25	795.18	434.50	209.83	112.74
225.0	2589.35	2238.30	1863.98	1546.23	1113.73	677.23	358.27	188.56	102.71
230.0	2589.35	2188.95	1744.42	1331.59	955.66	545.63	310.13	160.48	93.88
235.0	2589.35	2149.23	1614.43	1187.56	773.11	464.19	257.17	138.41	84.25
240.0	2589.35	2103.90	1527.37	1025.87	651.15	386.36	219.06	119.16	77.83
245.0	2589.35	2076.62	1423.46	891.47	539.62	319.36	186.16	109.13	69.81
250.0	2589.35	2042.11	1331.59	797.19	457.77	270.81	166.50	97.49	62.19
255.0	2589.35	2016.84	1265.39	720.96	405.21	235.10	146.44	89.07	55.77
260.0	2589.35	1991.16	1216.84	661.98	360.28	215.04	130.79	79.44	49.75
265.0	2589.35	1971.50	1165.09	611.43	335.00	197.39	118.76	72.22	45.74
270.0	2589.35	1953.85	1126.97	578.93	310.13	182.15	109.13	67.40	41.72
275.0	2589.35	1942.21	1098.89	552.45	293.68	171.31	103.11	62.19	38.92
280.0	2589.35	1943.42	1090.46	538.01	286.06	166.10	97.49	58.98	37.31
285.0	2589.35	1948.23	1090.06	535.20	282.45	162.89	95.89	58.17	36.51

光強數據表(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
290.0	2589.35	1955.85	1100.90	540.82	284.45	163.29	96.69	58.98	36.91
295.0	2589.35	1980.33	1124.97	555.66	295.28	166.90	99.90	60.58	38.11
300.0	2589.35	2007.21	1150.24	587.76	311.33	176.13	103.51	64.59	40.92
305.0	2589.35	2039.71	1199.59	631.89	331.79	205.82	111.94	71.41	45.34
310.0	2589.35	2079.02	1261.78	677.23	353.46	205.82	124.77	79.04	48.95
315.0	2589.35	2109.51	1329.98	728.58	395.18	231.09	138.82	85.05	54.96
320.0	2589.35	2154.45	1397.38	796.79	450.15	265.19	156.07	95.89	62.19
325.0	2589.35	2203.40	1497.68	898.29	523.97	304.51	207.02	109.93	69.01
330.0	2589.35	2240.71	1612.43	1025.07	607.82	355.46	215.85	126.38	78.23
335.0	2589.35	2301.29	1741.61	1138.61	700.90	428.88	257.57	148.44	86.26
340.0	2589.35	2346.62	1850.34	1327.17	864.99	544.43	322.97	168.10	99.50
345.0	2589.35	2406.40	1979.53	1505.71	1070.00	693.68	382.34	204.21	115.55
350.0	2589.35	2453.34	2128.77	1731.98	1299.49	829.68	482.64	248.74	130.79
355.0	2589.35	2512.32	2280.83	1969.09	1500.09	1010.22	606.21	292.88	153.26
360.0	2589.35	2568.09	2432.88	2146.43	1740.41	1235.30	720.56	351.45	167.30

光強數據表(cd)

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	92.68	54.96	29.69	12.84	4.41	0.40	0.00	0.00	0.00
5.0	103.91	56.97	31.29	13.24	5.22	0.40	0.00	0.00	0.00
10.0	112.34	58.58	32.50	13.64	5.62	0.40	0.00	0.00	0.00
15.0	117.15	62.19	34.10	14.44	6.02	0.40	0.00	0.00	0.00
20.0	119.16	65.40	34.50	14.44	6.02	0.40	0.00	0.00	0.00
25.0	115.55	66.20	34.10	14.04	5.62	0.80	0.00	0.00	0.00
30.0	111.13	64.19	32.50	14.04	4.81	0.80	0.00	0.00	0.00
35.0	103.51	61.38	30.49	14.44	5.22	0.80	0.00	0.00	0.00
40.0	97.09	56.57	28.49	14.04	5.22	0.80	0.00	0.00	0.00
45.0	90.27	50.55	25.68	13.64	4.81	0.80	0.00	0.00	0.00
50.0	81.04	44.93	23.67	12.44	4.41	0.80	0.00	0.00	0.00
55.0	70.61	40.92	21.66	10.83	4.41	0.80	0.00	0.00	0.00
60.0	62.19	36.51	20.46	10.03	4.41	0.80	0.00	0.00	0.00
65.0	52.96	34.10	19.66	9.23	4.01	0.80	0.00	0.00	0.00
70.0	47.74	31.29	17.65	8.43	3.61	0.40	0.00	0.00	0.00
75.0	42.93	28.08	15.25	8.02	3.21	0.40	0.00	0.00	0.00
80.0	39.72	24.87	13.24	7.62	2.81	0.40	0.00	0.00	0.00
85.0	36.91	22.07	12.44	6.82	2.41	0.40	0.00	0.00	0.00
90.0	32.10	20.06	10.83	6.02	2.41	0.40	0.00	0.00	0.00
95.0	29.69	18.05	10.03	4.81	2.01	0.40	0.00	0.00	0.00
100.0	26.88	16.85	9.23	4.81	2.01	0.40	0.00	0.00	0.00
105.0	25.28	16.05	8.83	4.41	2.01	0.40	0.00	0.00	0.00
110.0	25.68	15.65	8.83	4.41	2.01	0.40	0.00	0.00	0.00
115.0	27.68	16.45	9.23	4.41	2.01	0.40	0.00	0.00	0.00
120.0	29.69	17.65	10.03	4.81	2.01	0.40	0.00	0.00	0.00
125.0	33.70	19.26	11.23	5.62	2.01	0.40	0.00	0.00	0.00
130.0	36.51	21.66	12.84	6.02	2.41	0.40	0.00	0.00	0.00
135.0	39.32	24.07	13.64	6.82	2.41	0.40	0.00	0.00	0.00
140.0	41.72	26.88	14.84	7.22	2.81	0.40	0.00	0.00	0.00
145.0	44.93	29.29	15.65	7.62	2.81	0.40	0.00	0.00	0.00
150.0	51.75	32.50	16.85	7.62	2.81	0.40	0.00	0.00	0.00
155.0	58.58	34.90	18.86	8.43	2.81	0.40	0.00	0.00	0.00
160.0	65.80	36.11	20.06	8.83	3.21	0.40	0.00	0.00	0.00
165.0	71.81	38.92	21.26	8.83	3.21	0.40	0.00	0.00	0.00
170.0	76.63	41.32	20.86	8.83	3.21	0.40	0.00	0.00	0.00
175.0	77.83	42.93	21.66	10.03	3.21	0.40	0.00	0.00	0.00
180.0	79.84	47.74	22.07	10.83	3.21	0.40	0.00	0.00	0.00
185.0	83.05	49.75	22.07	10.43	2.81	0.40	0.00	0.00	0.00
190.0	83.85	49.35	22.07	10.43	2.81	0.40	0.00	0.00	0.00
195.0	83.85	48.14	24.07	10.43	2.01	0.40	0.00	0.00	0.00
200.0	82.25	46.94	25.68	10.03	2.01	0.40	0.00	0.00	0.00
205.0	80.64	46.14	24.87	9.23	1.60	0.40	0.00	0.00	0.00
210.0	78.64	43.33	22.87	8.83	1.60	0.40	0.00	0.00	0.00
215.0	75.02	40.92	20.86	8.83	1.60	0.40	0.00	0.00	0.00
220.0	68.61	39.32	19.26	8.83	1.20	0.40	0.00	0.00	0.00
225.0	62.99	37.71	18.05	9.23	1.20	0.40	0.00	0.00	0.00
230.0	56.97	36.11	16.05	7.22	1.20	0.40	0.00	0.00	0.00
235.0	53.36	32.50	14.44	6.42	1.20	0.00	0.00	0.00	0.00
240.0	48.14	29.69	14.44	6.02	1.20	0.00	0.00	0.00	0.00
245.0	44.13	27.28	13.64	5.22	0.80	0.00	0.00	0.00	0.00
250.0	40.92	24.07	12.04	4.81	0.80	0.00	0.00	0.00	0.00
255.0	36.91	21.66	10.83	4.41	0.80	0.00	0.00	0.00	0.00
260.0	33.30	19.26	9.63	4.41	0.80	0.00	0.00	0.00	0.00
265.0	29.69	17.65	8.83	3.61	0.80	0.00	0.00	0.00	0.00
270.0	26.48	15.25	7.62	3.21	0.80	0.00	0.00	0.00	0.00
275.0	24.07	13.64	6.82	2.81	0.80	0.00	0.00	0.00	0.00
280.0	22.47	12.44	6.42	2.81	0.80	0.00	0.00	0.00	0.00
285.0	21.26	12.04	6.42	2.81	0.80	0.00	0.00	0.00	0.00

光強數據表(cd)

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
290.0	21.26	12.04	6.82	2.81	0.80	0.00	0.00	0.00	0.00
295.0	22.87	12.84	6.82	2.81	0.80	0.00	0.00	0.00	0.00
300.0	25.28	14.44	7.62	3.21	0.80	0.00	0.00	0.00	0.00
305.0	28.08	16.45	8.43	4.01	1.20	0.00	0.00	0.00	0.00
310.0	32.50	19.26	9.63	4.81	1.20	0.00	0.00	0.00	0.00
315.0	37.31	22.47	11.23	5.22	1.20	0.40	0.00	0.00	0.00
320.0	42.13	25.28	13.24	6.02	1.60	0.40	0.00	0.00	0.00
325.0	46.14	26.88	16.05	6.42	2.01	0.40	0.00	0.00	0.00
330.0	50.15	30.89	19.26	6.82	2.01	0.40	0.00	0.00	0.00
335.0	56.57	34.50	21.26	7.62	2.41	0.40	0.00	0.00	0.00
340.0	62.99	38.92	23.27	8.83	2.81	0.40	0.00	0.00	0.00
345.0	69.41	41.72	23.67	10.03	2.81	0.40	0.00	0.00	0.00
350.0	75.43	45.34	24.87	10.83	3.21	0.40	0.00	0.00	0.00
355.0	82.65	50.55	27.68	12.04	4.01	0.40	0.00	0.00	0.00
360.0	92.68	54.96	29.69	12.84	4.41	0.40	0.00	0.00	0.00

光強數據表(cd)

C/γ(°)	90.0
0.0	0.00
5.0	0.00
10.0	0.00
15.0	0.00
20.0	0.00
25.0	0.00
30.0	0.00
35.0	0.00
40.0	0.00
45.0	0.00
50.0	0.00
55.0	0.00
60.0	0.00
65.0	0.00
70.0	0.00
75.0	0.00
80.0	0.00
85.0	0.00
90.0	0.00
95.0	0.00
100.0	0.00
105.0	0.00
110.0	0.00
115.0	0.00
120.0	0.00
125.0	0.00
130.0	0.00
135.0	0.00
140.0	0.00
145.0	0.00
150.0	0.00
155.0	0.00
160.0	0.00
165.0	0.00
170.0	0.00
175.0	0.00
180.0	0.00
185.0	0.00
190.0	0.00
195.0	0.00
200.0	0.00
205.0	0.00
210.0	0.00
215.0	0.00
220.0	0.00
225.0	0.00
230.0	0.00
235.0	0.00
240.0	0.00
245.0	0.00
250.0	0.00
255.0	0.00
260.0	0.00
265.0	0.00
270.0	0.00
275.0	0.00
280.0	0.00
285.0	0.00

光強數據表(cd)

C/γ(°)	90.0
290.0	0.00
295.0	0.00
300.0	0.00
305.0	0.00
310.0	0.00
315.0	0.00
320.0	0.00
325.0	0.00
330.0	0.00
335.0	0.00
340.0	0.00
345.0	0.00
350.0	0.00
355.0	0.00
360.0	0.00