



京鴻檢驗科技股份有限公司
http://www.jhet.com.tw
Email: jh.lab@msa.hinet.net
Tel: 05-5990970~72 Fax: 05-5985199
Address: 雲林縣二崙鄉尖厝崙170號

十方光電科技有限公司

燈具名稱: LED嵌燈	
燈具描述: D13-C04W	
報告編號: 18-0555-22	電壓(V): 220.0500
測試編號: 18-0555-22	電流(A): 0.1400
光源規格型號: LED 13W	功率(W): 11.5500
每個光源光通量(lm)	功率因數: 0.3760
光源數量: 1	鎮流器型號: Ten Lighting/YD12-40-300
發光面長度(mm): 108	發光面寬度(mm): 108
測試模式: C	發光面高度(mm): 60

光度結果

燈具光通量(lm): 1057.18
燈具效能(lm/w): 91.53
中心光強(cd): 3490.847
最大光強(cd): 3490.849
最大光強角度: $C=0.0 \gamma=0.0$
半峰邊角(50%Imax): [C0/180]Left=12.5 Right=9.3
 [C90/270]Left=11.0 Right=11.2
光束擴散角(10%Imax): [C0/180]Left=28.2 Right=22.5
 [C90/270]Left=24.8 Right=26.2

測試設備: GMS-2000
環境溫度(°C): 24.9

測試日期: 2020/4/17
環境濕度(%): 58.0%

測試人員: 廖苡汎
測試距離(m): 20.03

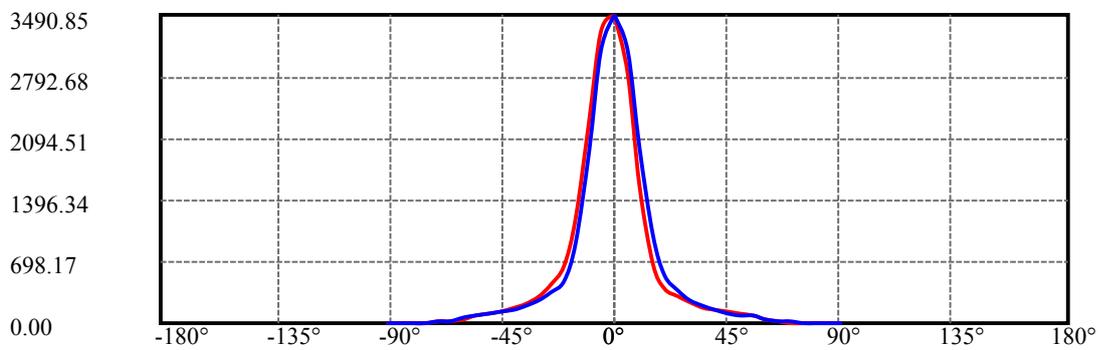
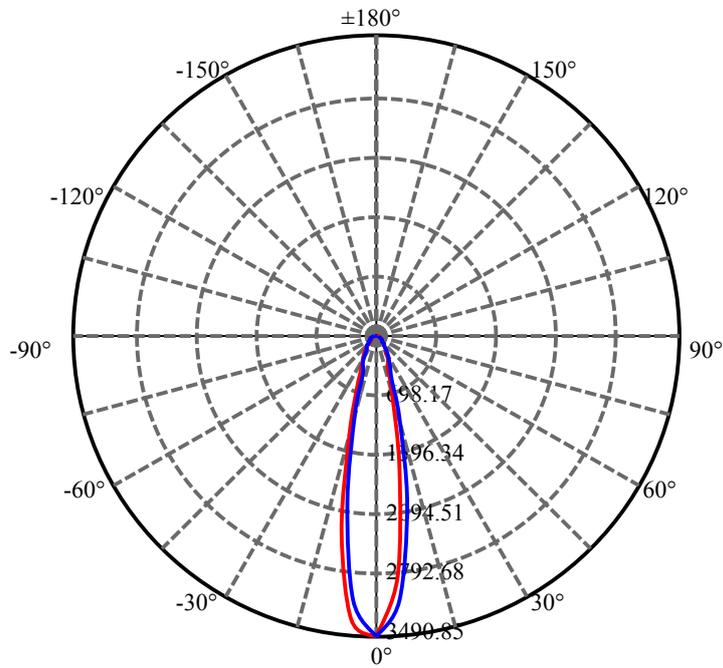
γ(°)	平均光強(cd)	環帶光通(lm)	累積光通(lm)	有效光通(%)	有效累計(%)
0.0	3490.845	.000	.000	.000%	.000%
5.0	3069.109	78.422	78.422	7.418%	7.418%
10.0	1954.350	179.705	258.127	16.999%	24.417%
15.0	943.524	171.900	430.027	16.260%	40.677%
20.0	516.279	120.308	550.336	11.380%	52.057%
25.0	365.037	92.434	642.769	8.743%	60.800%
30.0	264.681	79.691	722.461	7.538%	68.338%
35.0	198.416	68.194	790.655	6.451%	74.789%
40.0	156.229	59.170	849.825	5.597%	80.386%
45.0	124.506	51.980	901.805	4.917%	85.303%
50.0	100.189	45.403	947.208	4.295%	89.598%
55.0	84.352	40.125	987.333	3.796%	93.393%
60.0	57.205	32.721	1020.054	3.095%	96.488%
65.0	21.721	19.187	1039.241	1.815%	98.303%
70.0	11.607	8.439	1047.679	.798%	99.101%
75.0	7.406	4.970	1052.649	.470%	99.571%
80.0	3.555	2.933	1055.582	.277%	99.849%
85.0	.958	1.226	1056.808	.116%	99.965%
90.0	.401	.372	1057.181	.035%	100.000%

ZONAL LUMEN SUMMARY

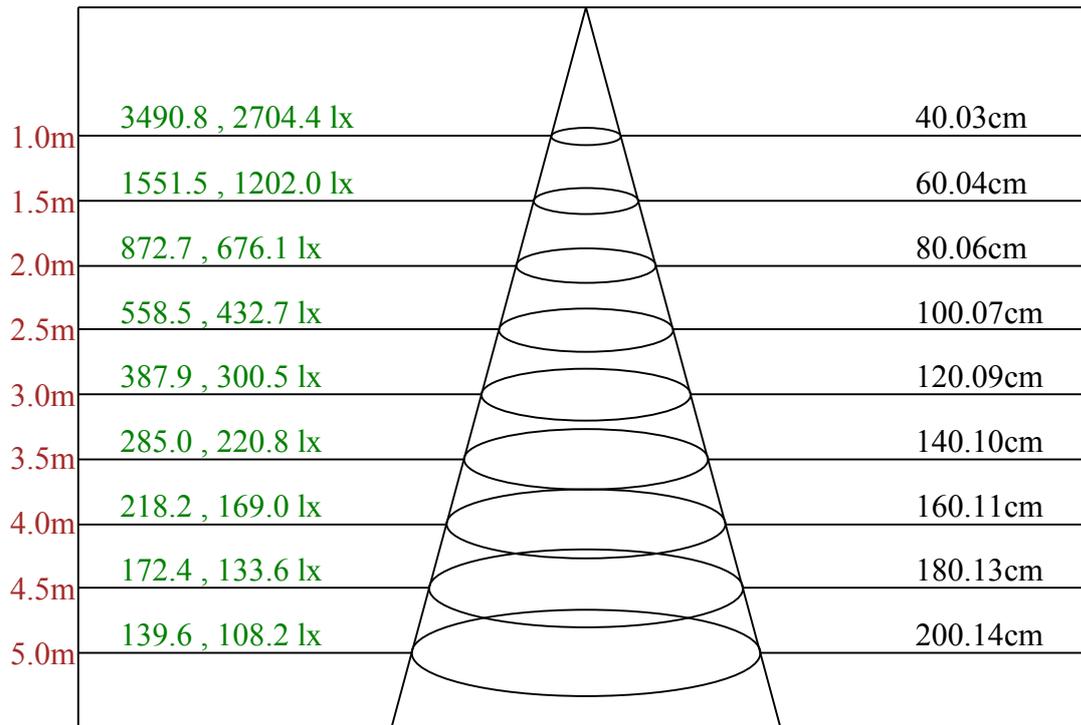
Zone	Lumens	%Fixt
0-30	722.46	68.34%
0-40	849.82	80.39%
0-60	1020.05	96.49%
0-90	1056.81	99.96%
0-120	1056.81	99.96%
0-180	1057.18	100.00%
60-90	69.47	6.57%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.00	0.00%
90-180	0.00	0.00%
0-39.66	845.74	80.00%

ZONAL LUMEN SUMMARY

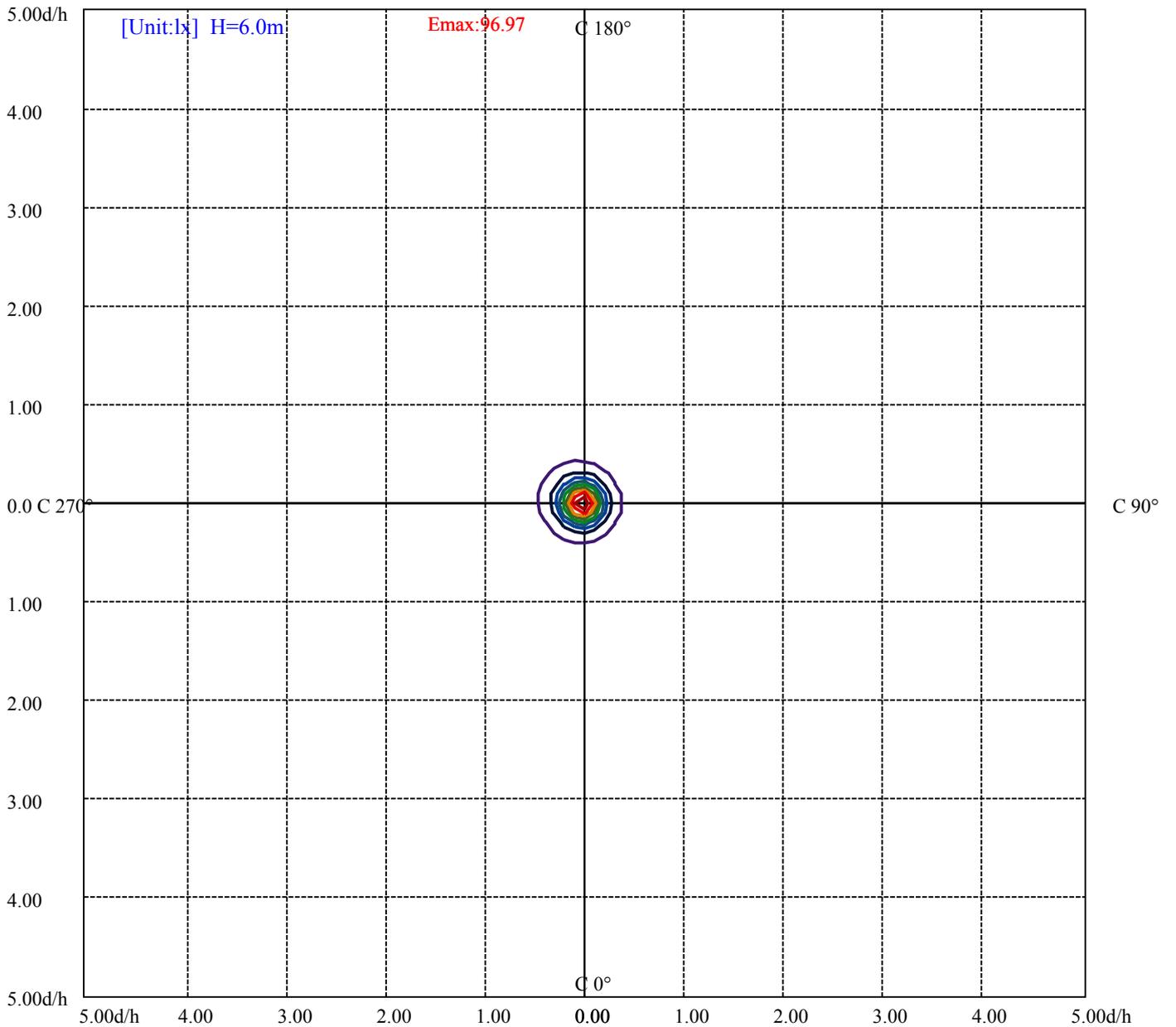
0-10	258.13
10-20	292.21
20-30	172.13
30-40	127.36
40-50	97.38
50-60	72.85
60-70	27.63
70-80	7.90
80-90	1.23
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



C0/C180: —
C90/C270: —



Max , Ave C0面光束角22.62



(10%Emax) 9.696751	—
(20%Emax) 19.3935	—
(30%Emax) 29.09028	—
(40%Emax) 38.78694	—
(50%Emax) 48.48361	—
(60%Emax) 58.18056	—
(70%Emax) 67.87723	—
(80%Emax) 77.57388	—
(90%Emax) 87.27084	—

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	3490.85	2821.65	1567.09	670.01	399.60	299.30	231.89	184.15	150.85
5.0	3490.85	2818.04	1565.89	669.20	399.60	300.50	231.09	184.15	148.85
10.0	3490.85	2813.62	1568.29	674.02	400.80	299.30	230.69	182.55	148.44
15.0	3490.85	2812.82	1579.13	679.63	404.01	300.50	231.49	182.55	147.64
20.0	3490.85	2834.89	1581.13	686.45	404.01	302.91	229.89	180.94	148.04
25.0	3490.85	2828.47	1597.98	692.47	407.22	303.71	231.09	181.74	146.04
30.0	3490.85	2858.96	1613.23	702.90	408.42	304.11	230.69	181.74	146.84
35.0	3490.85	2864.57	1636.10	717.35	414.44	306.12	231.09	182.55	147.24
40.0	3490.85	2883.03	1661.77	731.79	418.85	307.32	232.70	182.15	147.24
45.0	3490.85	2894.26	1683.84	746.63	426.48	312.13	234.30	182.55	146.84
50.0	3490.85	2913.52	1701.49	767.90	436.11	317.35	237.11	182.95	146.84
55.0	3490.85	2929.57	1738.81	787.96	444.13	320.96	239.52	184.15	147.24
60.0	3490.85	2949.23	1761.27	815.64	455.76	326.98	241.12	184.95	147.64
65.0	3490.85	2967.28	1807.41	842.52	467.80	330.99	244.33	185.35	148.85
70.0	3490.85	2997.77	1845.52	867.80	481.44	342.22	247.54	187.36	147.64
75.0	3490.85	3004.59	1874.41	899.89	500.30	350.25	252.76	188.97	148.04
80.0	3490.85	3022.25	1910.52	931.99	514.74	356.27	256.37	190.17	149.25
85.0	3490.85	3038.70	1961.87	964.49	530.39	366.70	258.37	192.98	149.65
90.0	3490.85	3071.59	1992.36	990.57	542.02	375.12	264.79	194.18	150.45
95.0	3490.85	3087.64	2029.68	1014.24	560.88	385.15	271.21	195.38	150.85
100.0	3490.85	3127.76	2053.35	1048.34	576.12	396.39	274.82	198.19	151.65
105.0	3490.85	3139.80	2095.47	1074.42	595.78	404.81	280.84	200.20	153.66
110.0	3490.85	3149.03	2129.98	1104.51	610.63	415.64	286.86	206.22	154.86
115.0	3490.85	3163.47	2163.28	1129.78	622.66	423.27	293.68	207.42	157.27
120.0	3490.85	3180.72	2185.34	1153.05	640.72	435.70	298.49	210.23	159.28
125.0	3490.85	3197.97	2213.43	1179.53	651.55	445.73	304.11	213.04	159.28
130.0	3490.85	3213.62	2239.10	1191.97	660.78	452.15	309.33	216.25	160.88
135.0	3490.85	3221.24	2254.75	1205.21	667.60	454.96	312.13	217.45	162.09
140.0	3490.85	3236.89	2271.20	1214.44	676.83	459.38	311.73	218.25	162.49
145.0	3490.85	3260.16	2276.41	1224.06	675.22	464.59	314.54	220.26	163.69
150.0	3490.85	3268.18	2293.27	1226.07	680.84	463.39	316.15	219.06	163.69
155.0	3490.85	3269.79	2306.91	1230.89	674.02	462.99	314.94	218.65	163.69
160.0	3490.85	3285.44	2307.71	1226.87	668.80	458.57	312.13	217.85	163.29
165.0	3490.85	3289.45	2311.72	1222.86	665.99	454.96	309.33	217.85	164.09
170.0	3490.85	3291.85	2318.14	1221.26	659.57	446.54	307.32	216.25	164.09
175.0	3490.85	3305.90	2303.30	1211.23	651.15	442.12	302.51	215.44	164.09
180.0	3490.85	3300.28	2302.49	1195.98	642.32	432.09	300.50	213.44	163.29
185.0	3490.85	3290.65	2296.47	1186.35	629.08	428.48	295.28	212.24	162.89
190.0	3490.85	3291.05	2287.65	1178.33	619.86	420.06	292.07	212.24	162.89
195.0	3490.85	3287.84	2265.58	1159.47	607.82	412.03	289.67	210.23	162.09
200.0	3490.85	3281.42	2251.94	1142.62	591.37	406.02	286.06	208.22	162.89
205.0	3490.85	3270.19	2237.10	1120.96	584.15	397.99	284.05	207.82	162.09
210.0	3490.85	3275.00	2207.41	1104.11	571.31	390.37	280.04	207.42	162.89
215.0	3490.85	3256.55	2195.37	1090.87	564.09	385.55	277.63	206.62	162.49
220.0	3490.85	3242.11	2177.32	1074.82	550.45	380.74	275.22	205.01	162.89
225.0	3490.85	3240.10	2162.87	1061.58	545.23	374.32	273.62	205.01	163.29
230.0	3490.85	3226.06	2148.03	1037.51	535.20	372.31	270.01	204.21	162.49
235.0	3490.85	3213.62	2132.38	1026.67	526.78	366.30	267.60	203.81	162.09
240.0	3490.85	3195.57	2116.34	1014.64	519.56	364.29	268.00	202.61	161.68
245.0	3490.85	3180.32	2091.86	999.39	510.73	358.67	265.60	201.80	161.28
250.0	3490.85	3169.89	2069.80	985.35	500.30	354.26	264.39	202.21	160.88
255.0	3490.85	3141.40	2044.52	968.90	495.08	353.46	261.98	201.80	160.48
260.0	3490.85	3121.34	2016.84	953.25	488.26	348.64	259.58	199.80	160.48
265.0	3490.85	3113.72	1985.94	938.81	483.05	346.24	257.97	198.19	160.08
270.0	3490.85	3085.24	1957.46	921.16	481.04	342.63	257.17	197.79	159.28
275.0	3490.85	3067.58	1930.98	903.91	473.82	341.82	255.97	196.99	157.67
280.0	3490.85	3056.35	1904.10	883.04	471.41	340.22	255.16	196.99	158.07
285.0	3490.85	3029.07	1874.01	867.80	469.00	337.01	253.56	196.19	157.67

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	3490.85	3018.23	1850.74	854.56	459.78	333.40	252.36	195.38	156.87
295.0	3490.85	2996.17	1825.87	834.10	453.36	332.60	249.95	194.58	156.07
300.0	3490.85	2979.72	1796.58	811.63	446.54	328.98	247.14	194.98	156.47
305.0	3490.85	2968.49	1773.31	793.98	438.91	326.98	246.34	193.78	156.07
310.0	3490.85	2932.78	1749.64	775.52	430.89	324.97	244.33	193.38	156.87
315.0	3490.85	2921.95	1719.55	758.67	426.08	320.56	244.33	192.18	155.67
320.0	3490.85	2903.09	1689.06	738.61	420.46	317.75	244.73	191.77	155.67
325.0	3490.85	2892.66	1660.57	724.97	414.44	316.95	242.73	190.97	154.86
330.0	3490.85	2863.77	1640.91	706.92	413.24	311.73	240.72	189.37	154.86
335.0	3490.85	2860.56	1620.85	695.28	405.61	308.12	238.31	188.56	154.06
340.0	3490.85	2850.13	1606.01	684.85	406.42	307.32	236.71	187.76	153.26
345.0	3490.85	2826.86	1589.56	678.03	402.00	306.12	234.30	186.96	152.86
350.0	3490.85	2812.02	1570.30	672.01	400.40	303.31	233.50	186.56	151.65
355.0	3490.85	2800.38	1562.68	671.21	398.79	301.30	233.50	184.95	150.85
360.0	3490.85	2821.65	1567.09	670.01	399.60	299.30	231.89	184.15	150.85

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	122.37	99.10	85.05	51.35	14.04	9.23	5.22	2.01	0.40
5.0	121.97	98.70	85.05	51.35	14.44	9.63	5.22	2.01	0.40
10.0	120.76	98.29	84.25	51.75	15.25	9.63	5.22	2.01	0.40
15.0	121.16	97.89	83.85	51.35	16.05	9.63	5.22	2.01	0.40
20.0	119.56	97.49	83.45	50.95	17.25	9.63	5.62	2.01	0.40
25.0	119.96	97.49	83.85	51.35	17.65	10.03	5.62	2.41	0.40
30.0	119.56	97.89	83.45	51.35	17.65	10.03	5.62	2.41	0.40
35.0	119.16	97.49	83.45	50.95	18.05	10.43	6.02	2.81	0.40
40.0	119.16	97.49	83.05	50.95	18.05	10.83	6.02	2.81	0.40
45.0	118.35	96.69	82.65	51.35	18.46	10.83	6.42	2.81	0.40
50.0	118.35	96.69	82.25	50.95	18.86	11.23	6.42	3.21	0.80
55.0	118.76	97.49	83.05	51.35	19.26	12.04	6.82	3.61	0.80
60.0	118.35	97.09	82.25	51.75	19.66	12.44	6.82	3.61	0.80
65.0	117.95	97.09	81.84	51.75	20.06	12.44	6.82	4.01	1.20
70.0	119.16	96.69	82.25	51.75	20.46	12.04	7.22	4.01	1.20
75.0	118.76	96.69	81.44	51.75	20.46	12.04	7.22	4.01	1.60
80.0	118.76	96.29	81.44	51.75	20.46	12.04	7.22	4.01	1.60
85.0	118.76	96.29	81.44	51.75	21.26	12.04	7.22	4.01	1.60
90.0	118.76	96.29	81.04	52.16	21.66	12.04	7.62	4.41	1.60
95.0	119.16	95.49	81.04	52.16	22.07	12.04	7.62	4.41	1.60
100.0	119.56	95.89	81.04	52.56	22.07	12.44	8.02	4.41	1.60
105.0	119.96	96.29	80.64	52.56	22.47	12.44	8.43	4.41	1.60
110.0	120.76	96.29	79.84	52.96	23.27	12.44	8.83	4.41	1.60
115.0	121.16	96.69	80.64	53.36	24.07	12.84	9.23	4.41	1.20
120.0	123.17	96.29	80.24	54.16	24.47	12.84	9.63	4.41	1.20
125.0	122.77	97.09	80.64	54.16	24.87	12.84	9.63	4.41	1.20
130.0	123.57	97.49	80.24	54.16	25.68	13.24	9.63	4.01	0.80
135.0	123.97	97.49	79.84	54.56	25.68	12.44	9.23	4.01	0.80
140.0	125.17	97.89	79.84	54.56	25.28	12.04	8.02	3.61	0.80
145.0	125.17	97.89	79.84	55.37	24.87	11.63	7.62	3.61	0.80
150.0	126.38	97.89	80.24	55.37	24.47	11.63	7.22	3.61	0.40
155.0	125.17	98.70	80.64	56.17	23.27	12.04	7.22	3.61	0.40
160.0	125.98	99.50	80.64	56.97	22.07	12.84	7.22	3.21	0.40
165.0	127.18	100.30	82.25	56.17	20.46	12.84	7.22	3.21	0.40
170.0	127.18	99.90	82.65	54.56	19.26	12.84	6.82	3.21	0.40
175.0	127.58	100.30	82.65	52.96	18.05	12.84	6.82	3.21	0.40
180.0	127.18	100.70	83.45	53.36	18.05	12.84	6.82	3.21	0.40
185.0	127.18	101.10	83.45	54.56	18.46	12.84	7.22	3.21	0.40
190.0	127.58	101.50	83.85	57.37	19.66	12.84	7.22	3.21	0.40
195.0	127.58	101.91	85.05	60.18	22.47	12.44	7.22	3.21	0.40
200.0	128.79	102.31	85.46	63.79	26.08	12.84	7.22	3.61	0.80
205.0	128.79	102.71	85.46	64.99	28.49	12.84	7.22	3.61	0.80
210.0	128.38	103.51	86.26	65.40	29.29	12.84	8.02	3.61	0.80
215.0	129.19	103.91	86.66	66.60	29.69	12.84	8.43	4.01	0.80
220.0	129.59	104.71	87.06	67.40	28.89	12.84	8.83	4.01	1.20
225.0	129.99	104.71	87.46	67.40	28.89	12.84	9.23	4.41	1.20
230.0	129.99	104.71	87.06	67.40	28.49	12.84	9.23	4.41	1.20
235.0	129.59	105.11	87.46	67.80	28.49	12.84	9.23	4.81	1.60
240.0	129.99	105.11	87.86	67.00	27.68	12.44	9.23	4.81	1.60
245.0	129.99	104.31	88.26	67.00	27.28	12.44	9.23	4.81	2.01
250.0	129.59	104.31	87.86	67.00	26.88	12.44	9.23	4.81	2.01
255.0	129.59	103.91	87.86	66.60	26.88	12.44	9.23	4.81	2.01
260.0	129.59	104.31	87.86	66.20	26.48	12.44	9.23	4.81	2.01
265.0	128.79	103.91	87.86	65.80	25.68	12.44	8.83	4.41	2.01
270.0	128.38	103.91	87.86	65.80	24.47	12.04	8.83	4.41	2.01
275.0	127.98	103.51	87.46	64.59	23.67	11.63	8.43	4.41	2.01
280.0	127.98	103.11	87.06	63.39	23.27	11.63	8.43	4.41	1.60
285.0	127.58	103.11	87.06	62.59	22.87	11.63	8.43	4.41	1.60

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	127.18	103.11	87.46	62.59	22.07	11.23	8.02	4.01	1.60
295.0	126.78	102.71	87.06	61.78	21.26	10.83	8.02	4.01	1.20
300.0	126.38	103.11	87.06	60.58	20.86	10.83	7.62	3.61	1.20
305.0	125.98	102.31	87.86	60.18	20.46	10.43	7.62	3.61	0.80
310.0	125.58	102.71	87.86	59.78	20.06	10.43	7.22	3.21	0.80
315.0	126.78	102.71	87.86	58.98	19.66	10.03	6.82	3.21	0.40
320.0	126.78	101.91	87.86	57.77	19.26	10.03	6.42	2.81	0.40
325.0	125.98	102.71	87.46	56.97	18.86	9.63	6.02	2.81	0.40
330.0	125.58	101.50	87.06	56.57	18.86	9.63	5.62	2.41	0.40
335.0	125.17	101.10	87.06	55.77	18.05	9.63	5.62	2.41	0.40
340.0	124.77	101.10	86.66	54.96	16.85	9.63	5.62	2.01	0.40
345.0	123.97	101.10	86.66	54.56	15.65	9.23	5.22	2.01	0.40
350.0	123.57	100.70	86.26	53.36	14.44	9.23	5.22	2.01	0.40
355.0	123.17	99.90	85.46	52.16	14.04	9.23	5.22	2.01	0.40
360.0	122.37	99.10	85.05	51.35	14.04	9.23	5.22	2.01	0.40

光強數據表(cd)

C/γ(°)	90.0
0.0	0.40
5.0	0.40
10.0	0.40
15.0	0.40
20.0	0.40
25.0	0.40
30.0	0.40
35.0	0.40
40.0	0.40
45.0	0.40
50.0	0.40
55.0	0.40
60.0	0.40
65.0	0.40
70.0	0.40
75.0	0.40
80.0	0.40
85.0	0.40
90.0	0.40
95.0	0.40
100.0	0.40
105.0	0.40
110.0	0.40
115.0	0.40
120.0	0.40
125.0	0.40
130.0	0.40
135.0	0.40
140.0	0.40
145.0	0.40
150.0	0.40
155.0	0.40
160.0	0.40
165.0	0.40
170.0	0.40
175.0	0.40
180.0	0.40
185.0	0.40
190.0	0.40
195.0	0.40
200.0	0.40
205.0	0.40
210.0	0.40
215.0	0.40
220.0	0.40
225.0	0.40
230.0	0.40
235.0	0.40
240.0	0.40
245.0	0.40
250.0	0.40
255.0	0.40
260.0	0.40
265.0	0.40
270.0	0.40
275.0	0.40
280.0	0.40
285.0	0.40

光強數據表(cd)

C/γ(°)	90.0
290.0	0.40
295.0	0.40
300.0	0.40
305.0	0.40
310.0	0.40
315.0	0.40
320.0	0.40
325.0	0.40
330.0	0.40
335.0	0.40
340.0	0.40
345.0	0.40
350.0	0.40
355.0	0.40
360.0	0.40