

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F2222A-18-36DC-RC-Y (20-XL-18RGBWN-C, CT)

报告编号:

电压(V): 34.7000

测试编号: 20210303013

电流(A): 2.0090

光源规格型号: XL

功率(W): 69.8000

每个光源光通量(lm)

功率因数: 1.0340

光源数量: 18

镇流器型号:

发光面长度(mm): 270

发光面宽度(mm): 160

测试模式: C

发光面高度(mm): 0

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## 光度结果

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灯具光通量(lm): 4067.10

灯具效能(lm/w): 58.27

中心光强(cd): 18041.010

最大光强(cd): 18562.830

最大光强角度: C=30.0  $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=21.9

[C90/270]Total=22.0

光束扩散角(10%Imax): [C0/180]Total=42.2

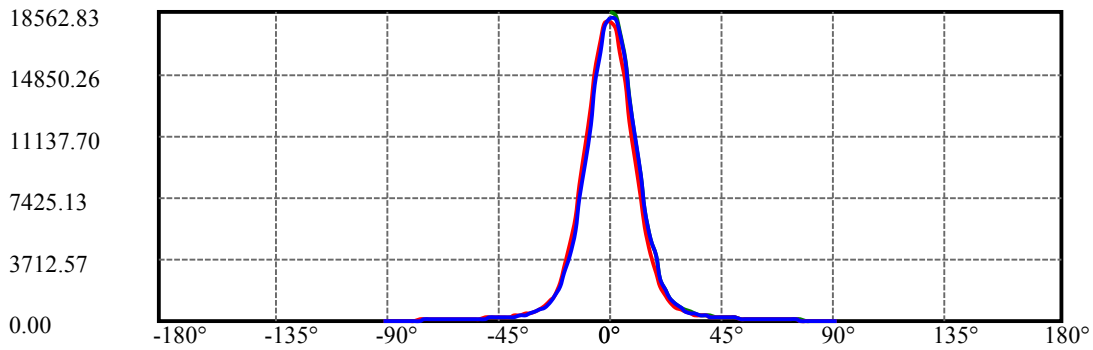
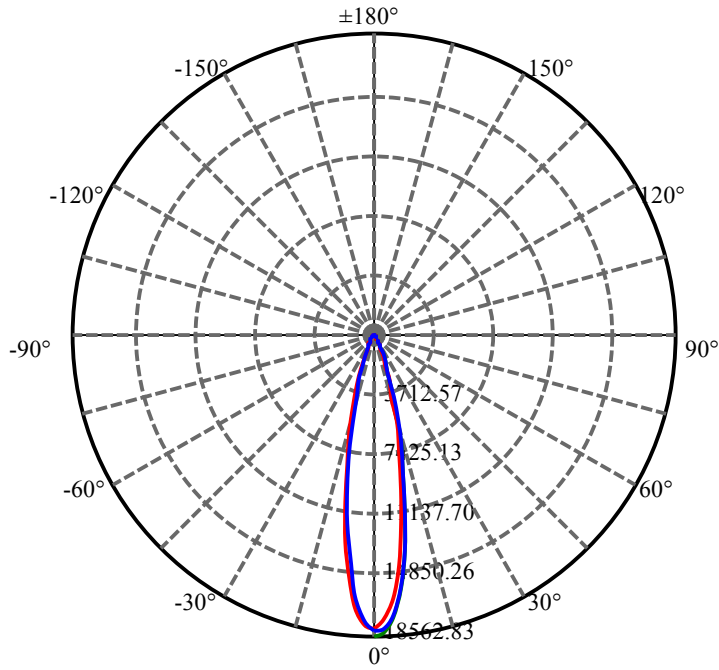
[C90/270]Total=42.9

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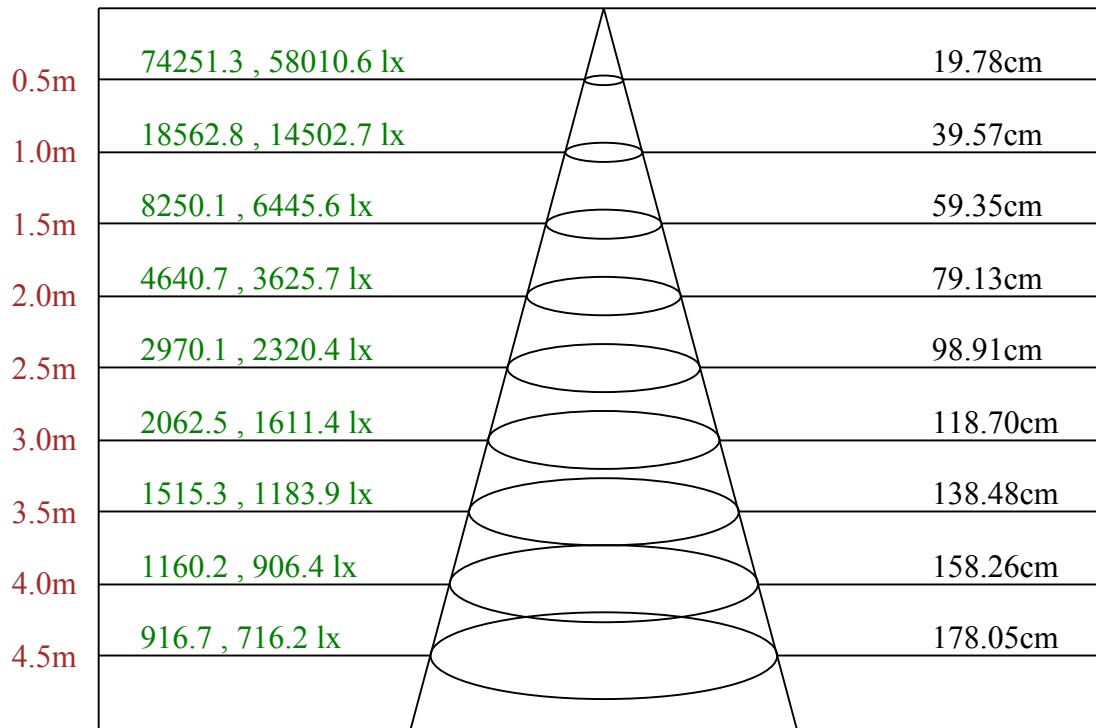
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/3  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

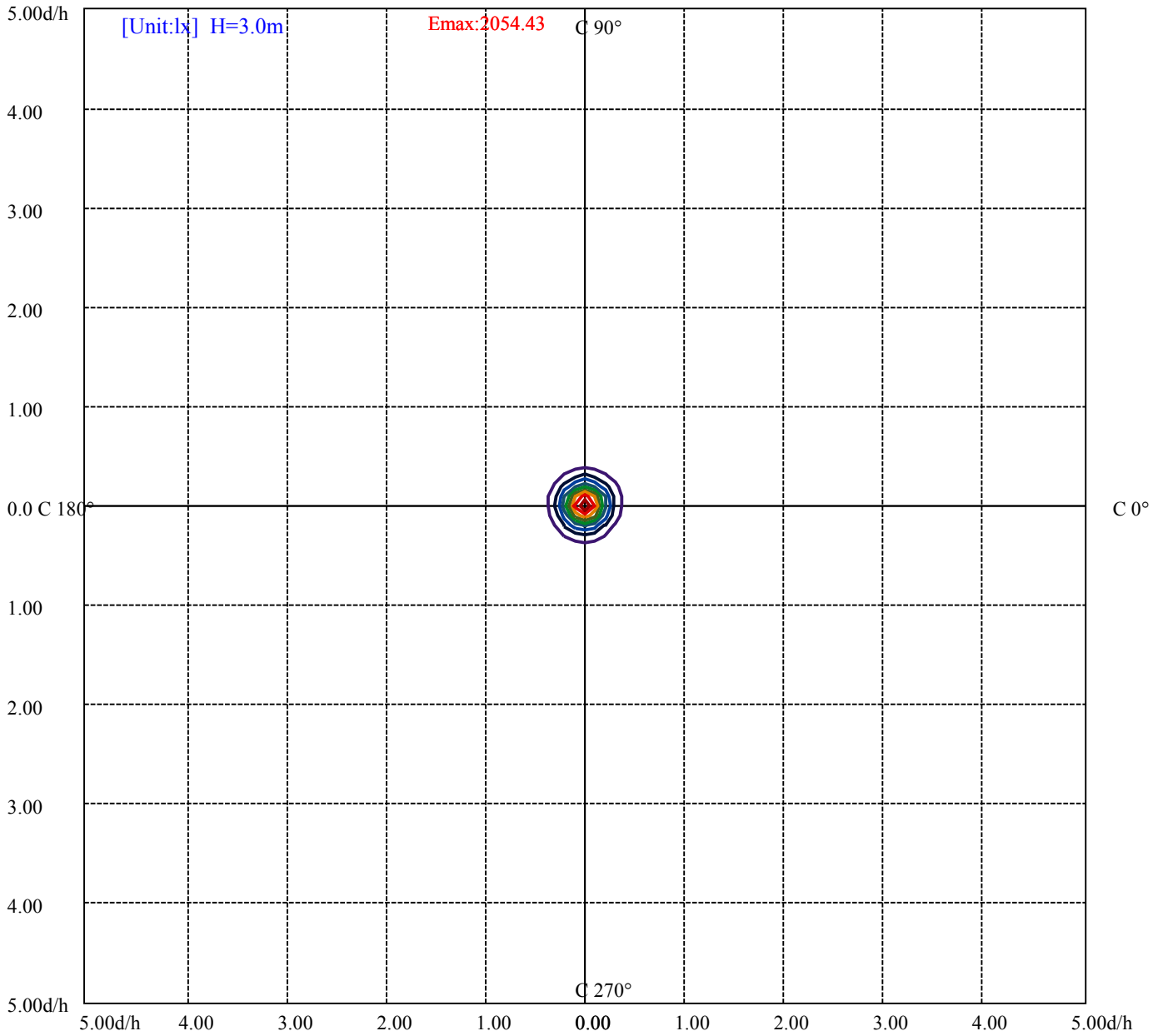


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角22.38

ROLED 投光灯  
平面等照度曲线



(10%Emax) 205.4433	——
(20%Emax) 410.8867	——
(30%Emax) 616.33	——
(40%Emax) 821.7733	——
(50%Emax) 1027.217	——
(60%Emax) 1232.656	——
(70%Emax) 1438.1	——
(80%Emax) 1643.544	——
(90%Emax) 1848.989	——

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# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

附页 第 5页 共 8页

亮度值表

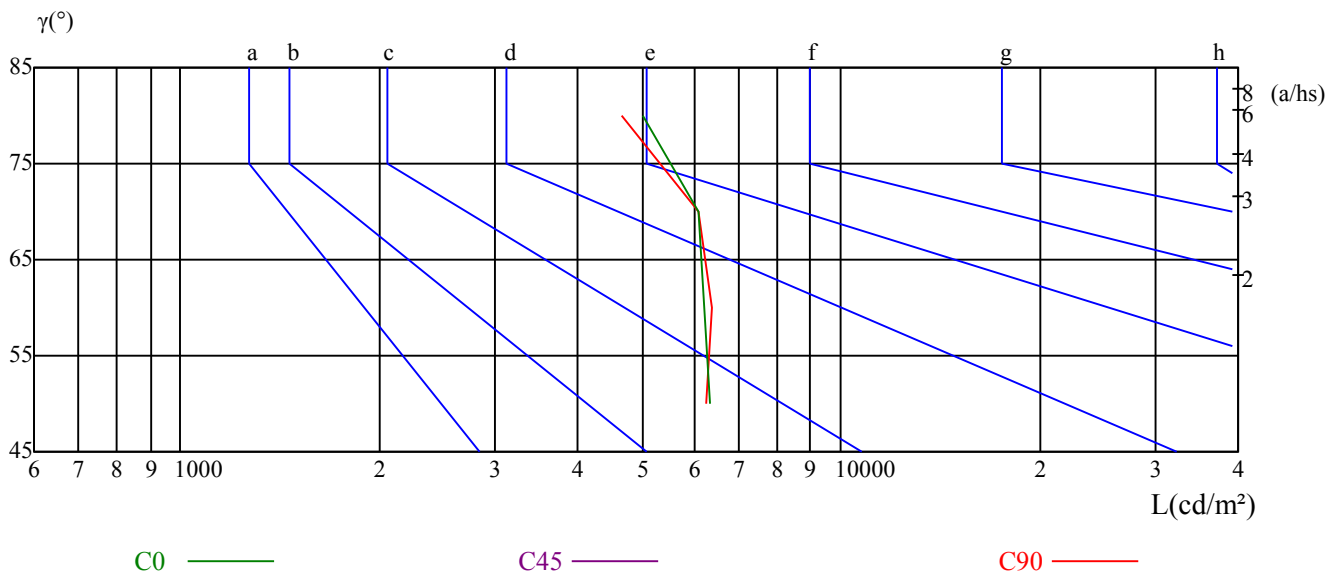
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6320	0	6196	0	6097	0	5012	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6270	0	6381	0	6103	0	4665	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

眩光等级表

眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

亮度限制曲线



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测试距离(m): 8.76

参照UGR的照射评估											
天花板反射率	70	70	50	50	30	70	70	50	50	30	
墙壁反射率	50	30	50	30	30	50	30	50	30	30	
地板反射率	20	20	20	20	20	20	20	20	20	20	
空间尺寸	Viewed crosswise					Viewed endwise					
X	Y										
2H	2H	9.08	10.14	9.45	10.46	10.77	9.12	10.18	9.48	10.49	10.81
	3H	11.14	12.08	11.52	12.42	12.78	11.29	12.23	11.67	12.57	12.93
	4H	11.77	12.65	12.18	13.00	13.39	12.03	12.91	12.44	13.26	13.65
	6H	12.15	12.95	12.57	13.33	13.72	12.54	13.34	12.96	13.72	14.11
	8H	12.22	12.98	12.66	13.37	13.78	12.68	13.44	13.12	13.83	14.24
	12H	12.26	12.98	12.69	13.36	13.80	12.83	13.55	13.26	13.93	14.37
4H	2H	9.87	10.75	10.28	11.10	11.49	9.90	10.78	10.31	11.13	11.52
	3H	12.12	12.84	12.54	13.25	13.66	12.27	12.99	12.68	13.39	13.80
	4H	12.84	13.49	13.28	13.91	14.36	13.11	13.75	13.54	14.17	14.62
	6H	13.22	13.78	13.69	14.22	14.70	13.60	14.16	14.07	14.61	15.08
	8H	13.31	13.83	13.79	14.28	14.75	13.78	14.29	14.25	14.74	15.22
	12H	13.35	13.79	13.84	14.28	14.76	13.92	14.37	14.41	14.86	15.34
8H	4H	13.14	13.66	13.61	14.10	14.58	13.37	13.89	13.85	14.34	14.81
	6H	13.64	14.05	14.15	14.55	15.03	14.02	14.42	14.52	14.93	15.41
	8H	13.78	14.14	14.31	14.66	15.16	14.26	14.62	14.79	15.14	15.64
	12H	14.37	14.69	14.90	15.19	15.76	14.91	15.22	15.43	15.72	16.30
12H	4H	13.15	13.59	13.64	14.08	14.56	13.36	13.81	13.85	14.30	14.77
	6H	14.02	14.04	14.21	14.51	15.06	14.38	14.40	14.57	14.87	15.42
	8H	13.85	14.17	14.38	14.66	15.24	14.32	14.63	14.84	15.13	15.71
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.6					0.3/-0.6					
S = 1.5H	0.9/-0.6					0.9/-0.6					
S = 2.0H	1.0/-0.7					0.8/-0.7					
标准表格	BK4					BK4					
更正系数	0.6					0.6					

# ROLED 投光灯

## 光强数据表(cd)

附页 第7页 共8页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	18041.01	17542.22	16183.96	14280.87	11955.72	9676.61	7428.20	5655.56	4067.09
30.0	18562.83	18378.66	17419.44	15715.86	13444.43	10988.82	8740.41	6668.50	4918.88
60.0	18417.02	18156.12	17089.46	15250.83	13059.97	10711.80	8401.23	6369.22	4677.92
90.0	18263.55	18148.44	17273.63	15585.41	13413.73	11103.93	8748.09	6676.17	5003.29
120.0	18171.46	17994.97	17005.05	15283.83	13189.66	10780.87	8588.47	6471.28	4680.99
150.0	18056.36	17994.97	17158.53	15493.32	13436.75	11073.24	8740.41	6729.89	4888.19
180.0	18041.01	17849.17	16851.58	15039.03	12892.68	10450.13	8172.55	6269.46	4566.65
210.0	18562.83	17948.92	16529.28	14413.62	12092.31	9625.96	7403.64	5482.90	4049.44
240.0	18417.02	17918.23	16513.93	14587.82	12231.97	9899.15	7689.11	5770.67	4189.87
270.0	18263.55	17595.93	16114.90	14125.86	11745.46	9507.79	7356.83	5472.93	3971.94
300.0	18171.46	17626.63	16253.02	14257.85	12101.52	9722.65	7566.33	5632.54	4090.11
330.0	18056.36	17419.44	15284.60	13990.80	11660.28	9368.13	7345.32	5407.70	3852.99
360.0	18041.01	17542.22	16183.96	14280.87	11955.72	9676.61	7428.20	5655.56	4067.09
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2892.24	2084.96	1489.48	1124.21	861.76	679.90	555.58	466.56	392.13
30.0	3928.97	2569.94	1836.33	1335.23	1016.77	786.56	638.46	525.65	442.78
60.0	3429.40	2448.70	1757.29	1319.89	996.28	784.41	629.79	518.36	433.95
90.0	3905.94	2545.39	1842.47	1335.23	999.12	778.89	617.74	507.24	428.20
120.0	3324.27	2377.33	1522.78	1245.07	950.63	736.91	598.32	489.28	414.00
150.0	3898.27	2463.28	1745.78	1263.87	958.45	740.52	593.18	491.89	414.38
180.0	3255.98	2295.99	1515.26	1217.44	917.94	729.16	594.95	496.19	422.29
210.0	2902.22	2053.50	1517.26	1127.89	872.12	691.02	565.79	468.33	402.49
240.0	3064.90	2184.72	1563.91	1180.99	901.67	715.19	575.53	481.14	404.41
270.0	2882.26	2034.31	1499.45	1116.38	849.87	677.75	551.59	457.28	384.07
300.0	2912.19	2099.54	1499.45	1117.30	867.90	679.90	556.35	461.19	391.36
330.0	2720.35	1948.37	1414.12	1067.96	803.98	647.13	529.64	443.93	377.32
360.0	2892.24	2084.96	1489.48	1124.21	861.76	679.90	555.58	466.56	392.13
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	338.26	295.67	260.06	235.12	213.48	198.90	185.70	175.50	164.76
30.0	389.06	330.05	288.69	254.46	229.68	209.95	194.53	180.64	170.51
60.0	373.79	323.30	282.09	251.09	225.61	205.81	190.31	178.65	168.29
90.0	363.12	313.78	271.34	241.19	217.40	200.21	185.78	174.12	164.83
120.0	353.99	307.72	269.66	239.96	217.63	198.98	184.17	172.43	163.30
150.0	354.37	308.10	272.73	242.87	220.01	200.44	185.17	172.97	163.45
180.0	360.44	311.09	273.57	245.18	223.61	206.19	193.23	180.72	169.90
210.0	348.31	303.80	271.04	242.18	218.47	200.52	187.32	175.04	165.75
240.0	352.00	306.95	272.27	241.42	220.01	200.67	186.63	174.35	164.22
270.0	330.74	285.77	251.32	225.99	205.27	189.85	177.26	167.36	159.31
300.0	338.41	295.59	258.30	230.29	208.27	191.77	178.57	167.67	159.00
330.0	326.83	287.84	253.77	226.84	205.20	189.77	176.88	166.60	157.93
360.0	338.26	295.67	260.06	235.12	213.48	198.90	185.70	175.50	164.76
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	156.24	148.64	140.81	133.83	127.23	121.02	112.11	101.91	90.09
30.0	161.76	154.63	148.79	144.57	141.27	136.90	130.38	121.17	109.89
60.0	159.84	153.09	147.26	143.27	139.43	134.75	127.92	119.17	106.74
90.0	157.47	150.79	144.34	137.82	130.61	123.55	114.80	102.83	90.17
120.0	155.24	148.26	142.35	137.28	132.91	127.84	121.63	113.11	101.60
150.0	155.16	147.95	141.96	137.05	133.06	128.46	122.40	113.88	103.83
180.0	160.92	152.25	144.11	136.36	129.84	123.24	115.18	105.67	94.62
210.0	157.77	150.94	146.26	143.27	139.05	133.29	125.62	114.95	102.60
240.0	156.62	149.95	144.80	141.35	137.05	130.99	123.09	113.73	100.37
270.0	153.01	146.49	139.82	132.53	125.31	117.87	106.74	94.08	82.11
300.0	151.86	145.49	139.82	135.37	130.76	125.08	117.87	108.35	94.77
330.0	150.71	144.73	138.97	134.75	130.53	125.77	118.33	108.12	96.69
360.0	156.24	148.64	140.81	133.83	127.23	121.02	112.11	101.91	90.09

测试设备: GMS1800  
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C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	79.88	68.45	57.48	47.65	37.60	27.78	17.65	7.29	0.54
30.0	95.54	82.03	70.14	57.63	45.97	32.61	19.41	10.13	1.15
60.0	90.63	75.59	62.92	49.96	37.91	26.70	14.12	4.60	0.77
90.0	78.96	67.45	56.02	45.51	34.99	26.70	13.20	2.69	0.69
120.0	86.64	72.52	60.01	48.42	36.99	26.55	14.20	4.83	0.77
150.0	91.24	78.50	67.22	55.48	43.82	31.54	19.49	10.05	1.61
180.0	84.18	72.29	61.70	50.88	41.13	31.77	20.87	11.28	1.53
210.0	89.02	75.66	63.16	50.65	38.60	26.09	14.66	5.68	0.46
240.0	84.64	70.06	57.48	45.35	34.07	23.10	10.44	1.07	0.54
270.0	70.83	59.01	48.19	37.52	27.93	17.57	8.29	0.84	0.46
300.0	79.73	66.61	53.79	42.82	31.54	21.41	9.36	1.00	0.54
330.0	83.57	70.68	58.93	47.42	35.15	23.17	12.58	3.84	0.46
360.0	79.88	68.45	57.48	47.65	37.60	27.78	17.65	7.29	0.54

C/γ(°)	90.0
0.0	0.31
30.0	0.31
60.0	0.31
90.0	0.31
120.0	0.31
150.0	0.23
180.0	0.31
210.0	0.23
240.0	0.23
270.0	0.23
300.0	0.23
330.0	0.23
360.0	0.31