

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3084A-30-UN-RC-Y(5030-XL-30RGBWN-AJ,L715mm,B,CT)

报告编号:

电压(V): 201.5000

测试编号: 20210301006

电流(A): 0.4910

光源规格型号: XL

功率(W): 97.5000

每个光源光通量(lm)

功率因数: 0.9850

光源数量: 30

镇流器型号:

发光面长度(mm): 650

发光面宽度(mm): 105

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): 4436.51

灯具效能(lm/w): 45.50

中心光强(cd): 8138.023

最大光强(cd): 8278.452

最大光强角度: C=30.0  $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=54.5

[C90/270]Total=29.3

光束扩散角(10%Imax): [C0/180]Total=87.1

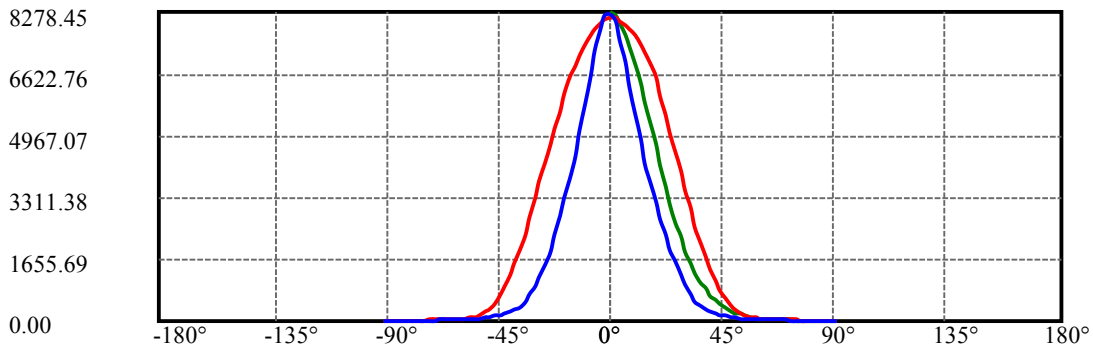
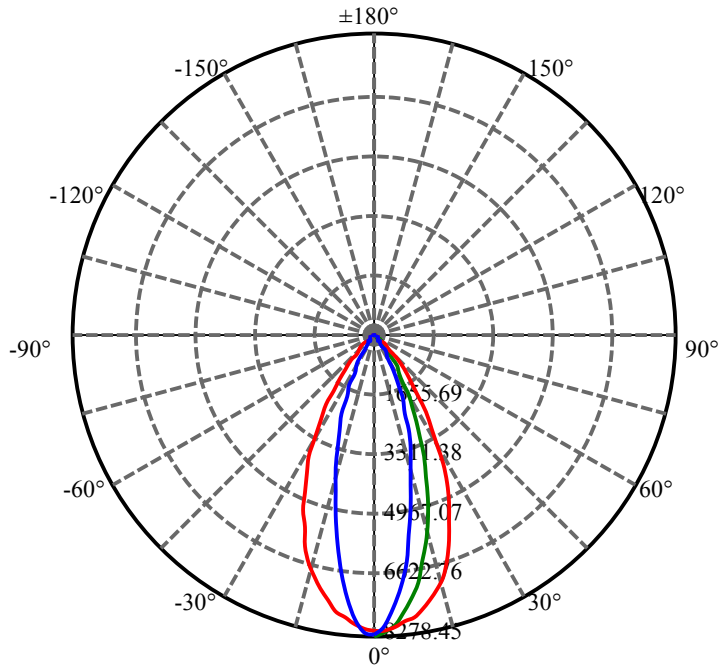
[C90/270]Total=62.0

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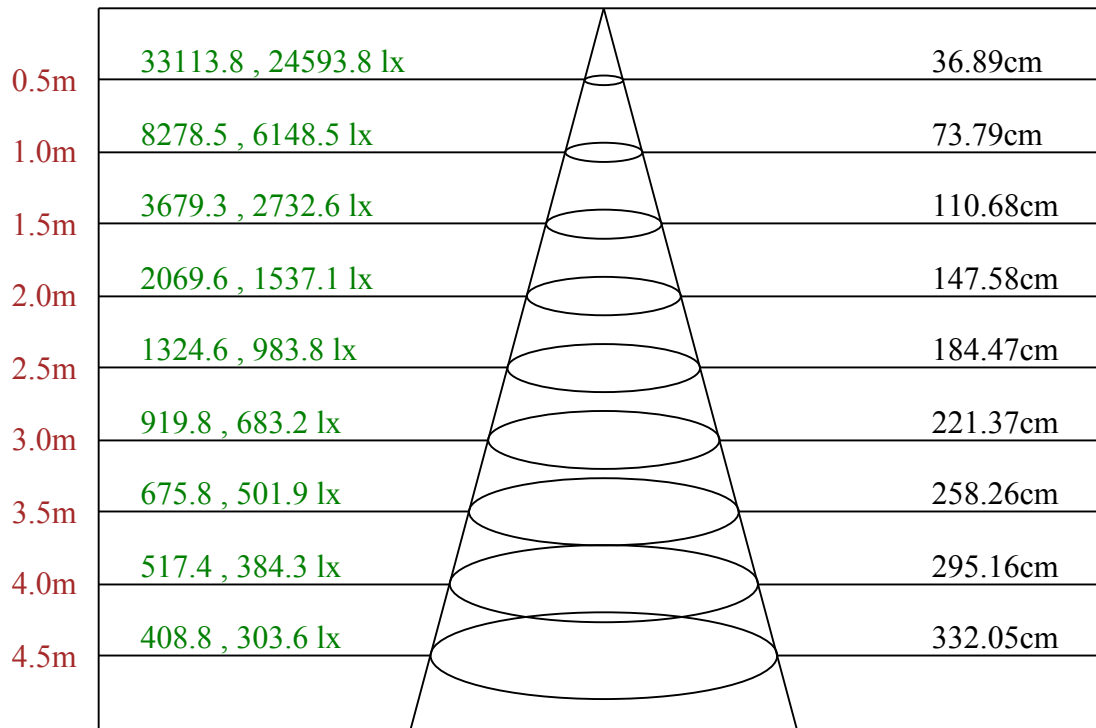
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/1  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

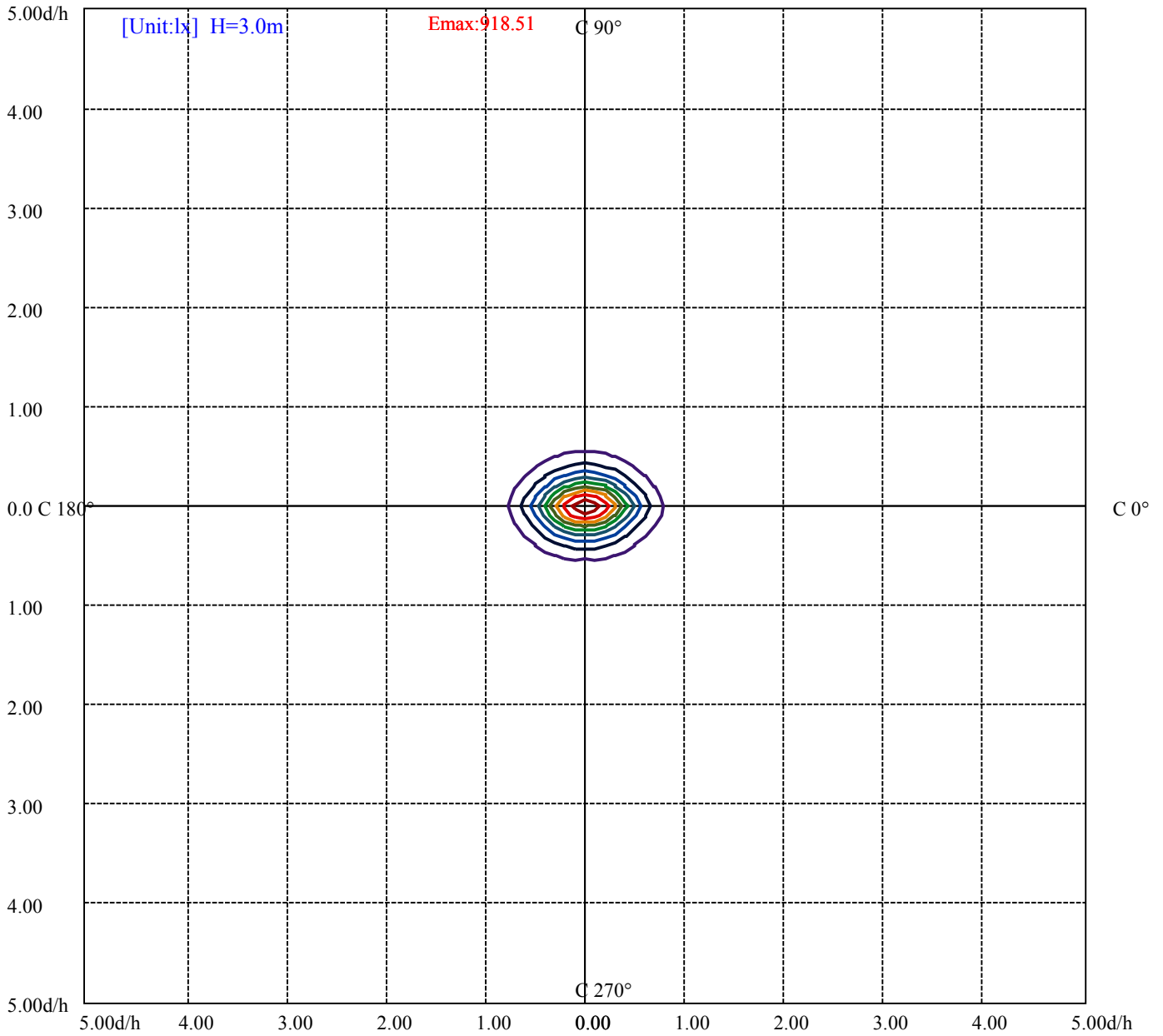


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角40.50

ROLED 投光灯  
平面等照度曲线



(10%Emax) 91.85044	—
(20%Emax) 183.7011	—
(30%Emax) 275.5511	—
(40%Emax) 367.4022	—
(50%Emax) 459.2522	—
(60%Emax) 551.1033	—
(70%Emax) 642.9534	—
(80%Emax) 734.8044	—
(90%Emax) 826.6545	—

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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

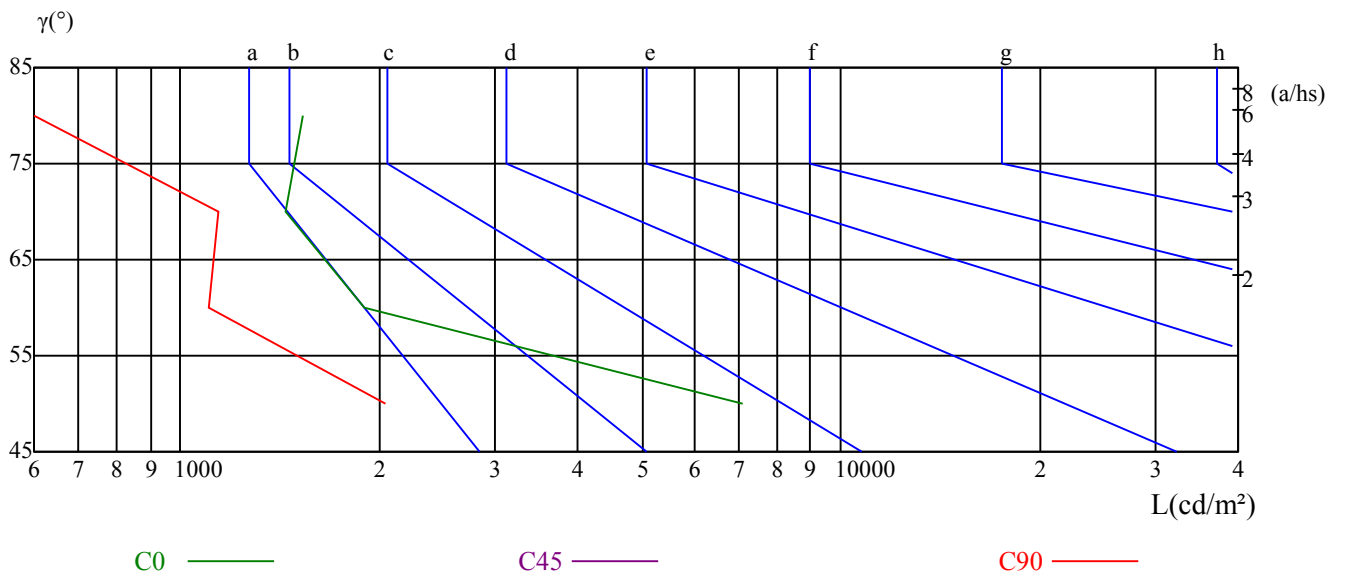
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	7095	0	1898	0	1443	0	1528	0
C45	0	0	0	0	0	0	0	0	0
C90	0	2041	0	1102	0	1141	0	473	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
58695	62982	0	52004	55671	0	17325	17816	0

眩光等级表

眩光等级	质量等级	使用照度(lx)							
		a	b	c	d	e	f	g	h
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

亮度限制曲线



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测试人员: anpeilou  
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	1.45	2.45	1.81	2.76	3.08	3.18	4.18	3.54	4.49	4.81
	3H	2.12	3.00	2.50	3.34	3.70	3.90	4.79	4.29	5.12	5.49
	4H	2.33	3.15	2.74	3.50	3.89	4.28	5.10	4.69	5.45	5.84
	6H	2.42	3.17	2.84	3.54	3.94	4.63	5.38	5.05	5.75	6.15
	8H	2.42	3.12	2.86	3.52	3.93	4.76	5.46	5.20	5.85	6.26
	12H	2.42	3.09	2.85	3.47	3.91	4.94	5.61	5.38	6.00	6.43
4H	2H	1.59	2.41	2.00	2.76	3.15	3.15	3.97	3.56	4.32	4.71
	3H	2.36	3.03	2.78	3.44	3.84	4.10	4.77	4.52	5.18	5.58
	4H	2.63	3.22	3.07	3.65	4.10	4.61	5.20	5.05	5.62	6.07
	6H	2.76	3.26	3.23	3.71	4.19	5.00	5.51	5.48	5.96	6.44
	8H	2.77	3.24	3.25	3.69	4.17	5.19	5.66	5.67	6.11	6.59
	12H	2.78	3.18	3.27	3.67	4.15	5.41	5.81	5.90	6.30	6.78
8H	4H	2.75	3.22	3.23	3.67	4.15	4.59	5.06	5.06	5.51	5.98
	6H	2.94	3.31	3.45	3.82	4.30	5.09	5.46	5.60	5.96	6.45
	8H	2.98	3.32	3.52	3.84	4.34	5.34	5.67	5.87	6.19	6.69
	12H	3.49	3.78	4.02	4.28	4.86	5.95	6.24	6.47	6.74	7.32
12H	4H	2.75	3.16	3.24	3.64	4.12	4.54	4.94	5.03	5.43	5.91
	6H	3.23	3.30	3.50	3.77	4.32	5.32	5.38	5.59	5.86	6.41
	8H	3.04	3.33	3.56	3.83	4.41	5.34	5.63	5.86	6.12	6.70
对应照射距离，改变观察者位置S											
S = 1.0H		2.9/-3.1					4.3/-6.0				
S = 1.5H		4.8/-4.8					6.9/-7.2				
S = 2.0H		6.8/-4.8					8.9/-7.0				
标准表格		BK1					BK0				
更正系数		-7.2					-1.8				

# 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	8138.02	8134.95	8040.57	7913.95	7821.86	7679.90	7422.83	7176.50	6902.55
30.0	8278.45	8183.30	7981.48	7679.13	7340.72	6896.41	6359.24	5869.66	5307.94
60.0	8254.66	8068.96	7596.26	7013.82	6478.96	5846.64	5162.14	4509.87	3892.90
90.0	8251.59	8042.10	7527.96	6928.64	6273.30	5549.66	4895.09	4237.45	3687.24
120.0	8227.81	8009.87	7542.54	6982.35	6327.78	5654.79	4946.51	4357.16	3777.79
150.0	8237.78	8133.42	7917.79	7567.86	7137.36	6665.43	6176.61	5598.01	5040.13
180.0	8138.02	8082.00	7953.08	7798.84	7652.27	7393.67	7096.69	6835.79	6513.49
210.0	8278.45	8270.01	8116.54	7788.10	7479.61	7126.62	6571.04	5987.83	5431.49
240.0	8254.66	8227.81	7992.22	7525.66	6926.34	6231.09	5505.16	4786.12	4139.23
270.0	8251.59	8184.07	7820.33	7267.82	6597.90	5812.11	5090.01	4401.67	3811.56
300.0	8227.81	8217.83	7940.81	7524.89	6952.43	6215.75	5456.81	4803.01	4182.97
330.0	8237.78	8220.13	8070.49	7815.72	7490.36	7098.23	6616.32	5998.58	5413.07
360.0	8138.02	8134.95	8040.57	7913.95	7821.86	7679.90	7422.83	7176.50	6902.55
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	6505.81	6016.23	5512.83	5049.33	4533.66	4025.65	3519.95	3018.09	2528.50
30.0	4740.08	4150.74	3598.99	3117.08	2645.15	2253.78	1867.03	1538.59	1262.33
60.0	3316.60	2833.92	2441.79	2081.89	1764.96	1506.44	1230.79	976.03	769.52
90.0	3191.52	2730.32	2308.27	1911.53	1575.42	1235.48	962.29	727.47	526.42
120.0	3235.26	2764.86	2381.17	2041.22	1740.41	1480.19	1212.99	958.99	748.27
150.0	4503.73	3938.94	3440.91	2981.26	2571.48	2197.76	1878.54	1548.56	1268.47
180.0	6082.99	5613.36	5154.46	4715.53	4226.71	3765.51	3284.37	2774.83	2315.94
210.0	4824.49	4258.17	3704.89	3189.21	2760.25	2359.68	1975.99	1525.85	1354.19
240.0	3526.86	3018.09	2592.96	2212.35	1851.68	1563.91	1277.68	999.12	778.12
270.0	3270.56	2807.83	2326.68	1871.63	1512.27	1166.95	908.65	700.23	502.71
300.0	3601.30	3094.06	2642.84	2260.69	1890.81	1567.75	1276.91	999.12	771.98
330.0	4812.98	4202.92	3677.27	3154.68	2723.42	2302.13	1952.20	1526.16	1356.72
360.0	6505.81	6016.23	5512.83	5049.33	4533.66	4025.65	3519.95	3018.09	2528.50
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	2088.80	1712.02	1373.60	1072.02	812.65	605.46	425.89	311.25	226.76
30.0	1033.66	849.49	688.34	553.28	441.24	350.46	274.34	229.75	190.39
60.0	600.16	453.06	347.08	264.97	204.43	160.61	130.61	107.97	93.70
90.0	389.83	295.67	236.20	192.00	159.00	131.30	108.58	89.55	75.05
120.0	579.14	435.10	331.81	251.16	194.22	154.86	127.15	105.21	91.09
150.0	1054.37	850.25	699.08	560.18	445.08	349.62	277.71	224.84	176.50
180.0	1915.37	1529.84	1229.34	944.18	697.01	487.28	331.66	240.04	161.38
210.0	1108.63	921.77	750.80	600.86	479.38	379.24	287.00	220.54	180.49
240.0	596.25	449.68	341.33	262.52	204.28	163.99	132.91	109.73	93.08
270.0	372.33	292.14	233.97	191.31	157.93	131.30	107.36	88.86	74.36
300.0	587.04	441.24	335.73	257.84	201.21	162.76	132.30	110.81	95.15
330.0	1111.77	916.02	754.71	606.61	485.90	380.31	296.67	239.81	201.97
360.0	2088.80	1712.02	1373.60	1072.02	812.65	605.46	425.89	311.25	226.76
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	148.79	103.29	80.65	64.77	54.02	47.04	41.36	36.91	33.69
30.0	140.81	92.24	68.91	55.94	46.73	40.59	36.45	33.53	30.77
60.0	91.62	92.93	87.40	64.00	41.44	32.23	26.93	22.41	18.95
90.0	63.08	53.41	44.97	37.60	33.61	31.08	30.16	29.62	26.63
120.0	90.32	95.54	80.11	58.78	42.36	32.00	25.55	21.41	17.42
150.0	122.24	86.56	63.77	51.80	43.05	37.06	32.84	30.08	27.93
180.0	115.26	83.26	65.69	53.79	46.20	40.21	35.99	32.69	29.62
210.0	144.57	100.83	68.53	55.33	46.27	39.60	35.07	32.08	29.70
240.0	81.19	76.05	78.96	75.43	46.96	34.30	27.55	22.94	19.26
270.0	61.77	52.95	44.58	37.29	33.15	30.08	28.62	27.40	24.86
300.0	88.48	93.54	86.18	69.06	48.81	35.30	28.16	23.25	19.80
330.0	146.95	100.68	71.83	57.25	47.35	40.29	35.53	32.08	29.31
360.0	148.79	103.29	80.65	64.77	54.02	47.04	41.36	36.91	33.69

测试设备: GMS1800  
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## 光强数据表(cd)

附页 第 8页 共8页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	30.77	27.55	24.56	21.33	18.11	14.81	11.05	7.06	3.30
30.0	27.24	23.48	19.26	15.81	12.89	9.75	5.99	1.23	0.61
60.0	16.04	12.97	10.51	8.75	6.45	3.22	2.15	1.23	0.69
90.0	21.49	16.04	12.51	10.44	5.60	2.92	2.53	1.46	0.69
120.0	14.89	12.20	10.05	8.29	6.22	2.99	2.07	1.23	0.69
150.0	24.10	20.57	16.81	13.58	10.74	7.52	5.06	1.15	0.61
180.0	26.70	23.94	21.18	18.11	15.12	12.82	9.29	5.29	2.38
210.0	26.01	22.94	19.18	15.81	12.58	9.90	7.14	2.61	0.92
240.0	16.35	13.66	11.13	9.06	7.83	5.45	2.61	1.92	0.92
270.0	21.03	16.35	12.43	10.36	7.83	4.53	2.84	2.00	1.07
300.0	16.65	13.89	11.36	9.13	7.83	5.68	2.69	1.92	1.00
330.0	26.17	22.56	18.72	14.81	11.97	9.21	6.52	2.84	1.07
360.0	30.77	27.55	24.56	21.33	18.11	14.81	11.05	7.06	3.30
C/γ(°)	90.0								
0.0	0.54								
30.0	0.15								
60.0	0.08								
90.0	0.15								
120.0	0.08								
150.0	0.15								
180.0	1.61								
210.0	0.38								
240.0	0.38								
270.0	0.46								
300.0	0.54								
330.0	0.46								
360.0	0.54								