

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(3015-XL-30RGBWN-AJ,L715mm,B,CT)

报告编号:

电压(V): 201.4000

测试编号: 20210301005

电流(A): 0.4930

光源规格型号: XL

功率(W): 97.9000

每个光源光通量(lm)

功率因数: 0.9860

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): 5408.51

灯具效能(lm/w): 55.25

中心光强(cd): 29574.670

最大光强(cd): 29636.060

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=28.0

[C90/270]Total=12.5

光束扩散角(10%Imax): [C0/180]Total=48.5

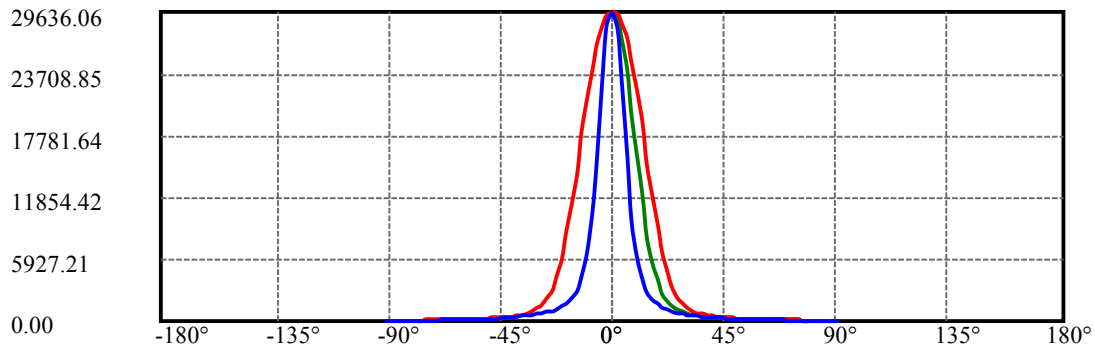
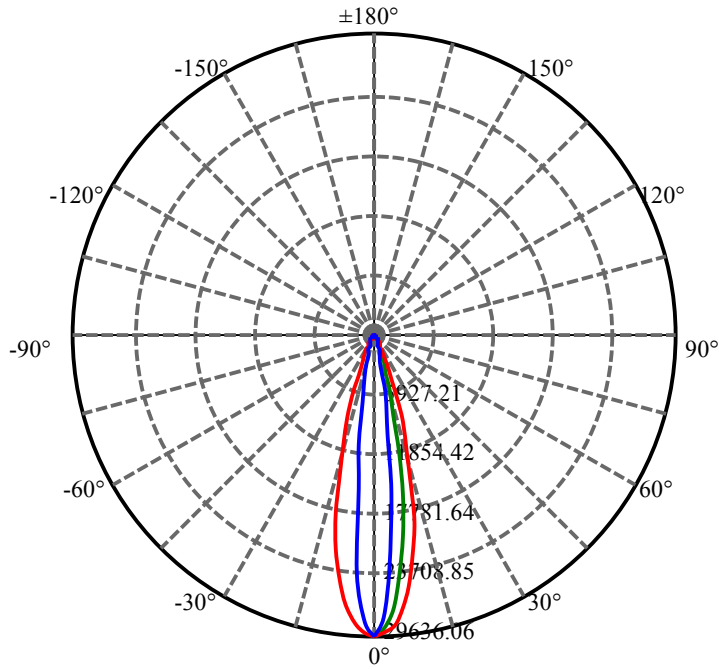
[C90/270]Total=27.5

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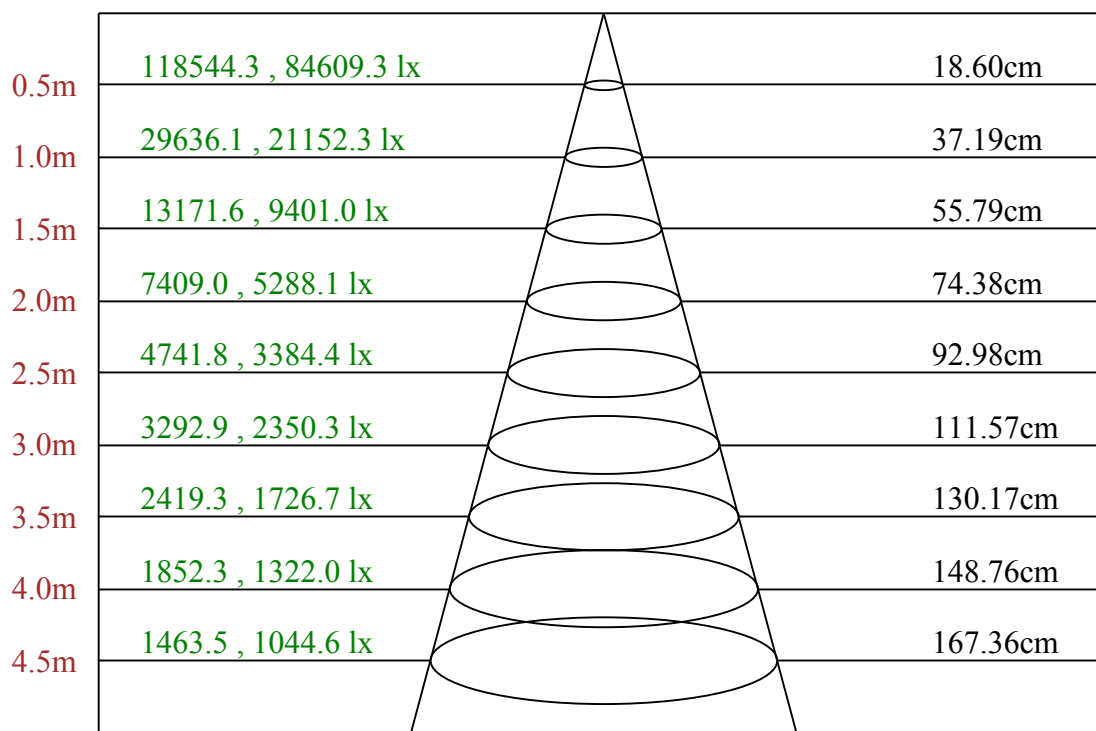
测试设备: GMS1800  
环境温度(°C): 25.0

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

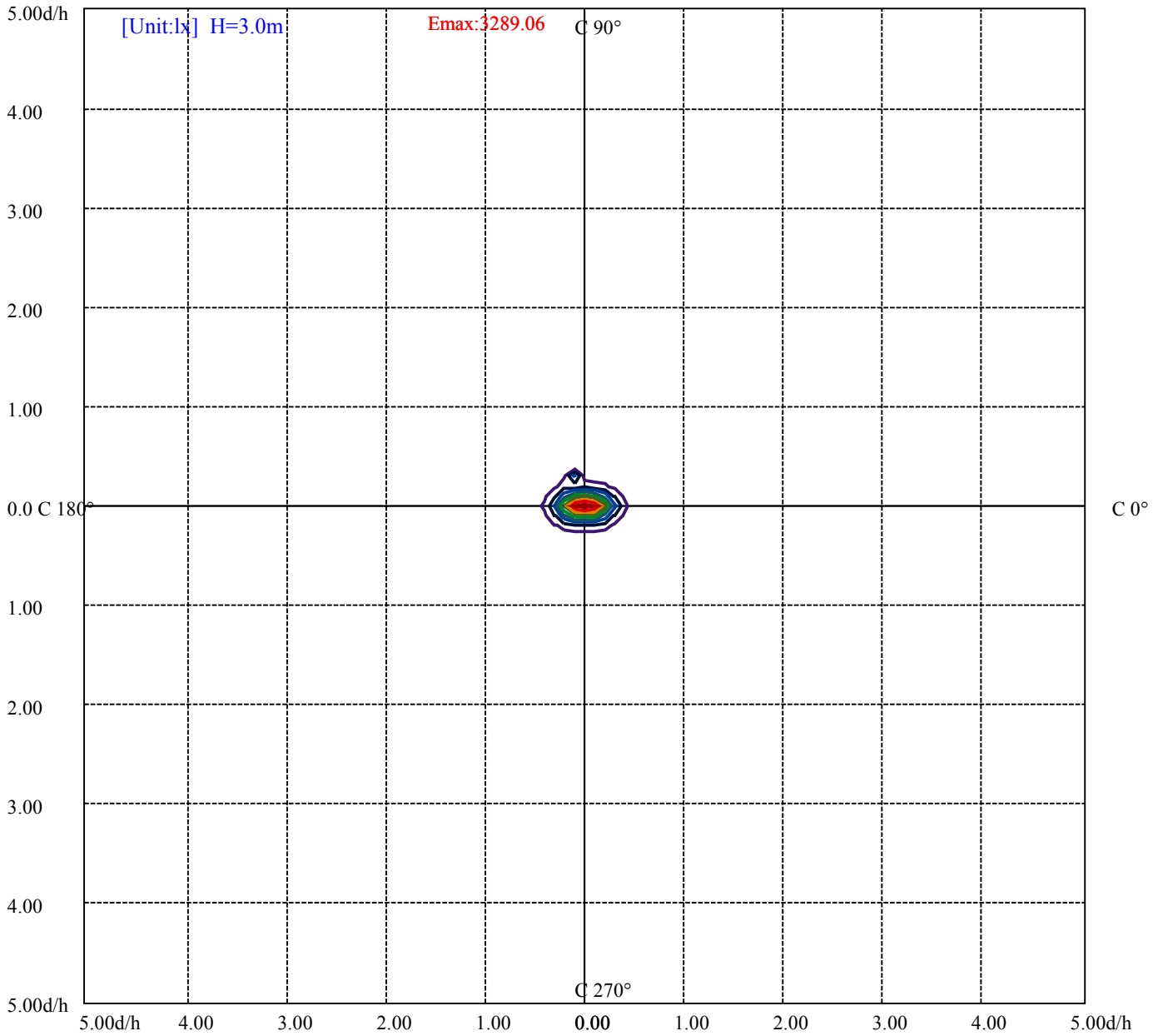


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角21.07

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 328.9044
- (20%Emax) 657.81
- (30%Emax) 986.7144
- (40%Emax) 1315.622
- (50%Emax) 1644.522
- (60%Emax) 1973.433
- (70%Emax) 2302.333
- (80%Emax) 2631.233
- (90%Emax) 2960.145

# 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

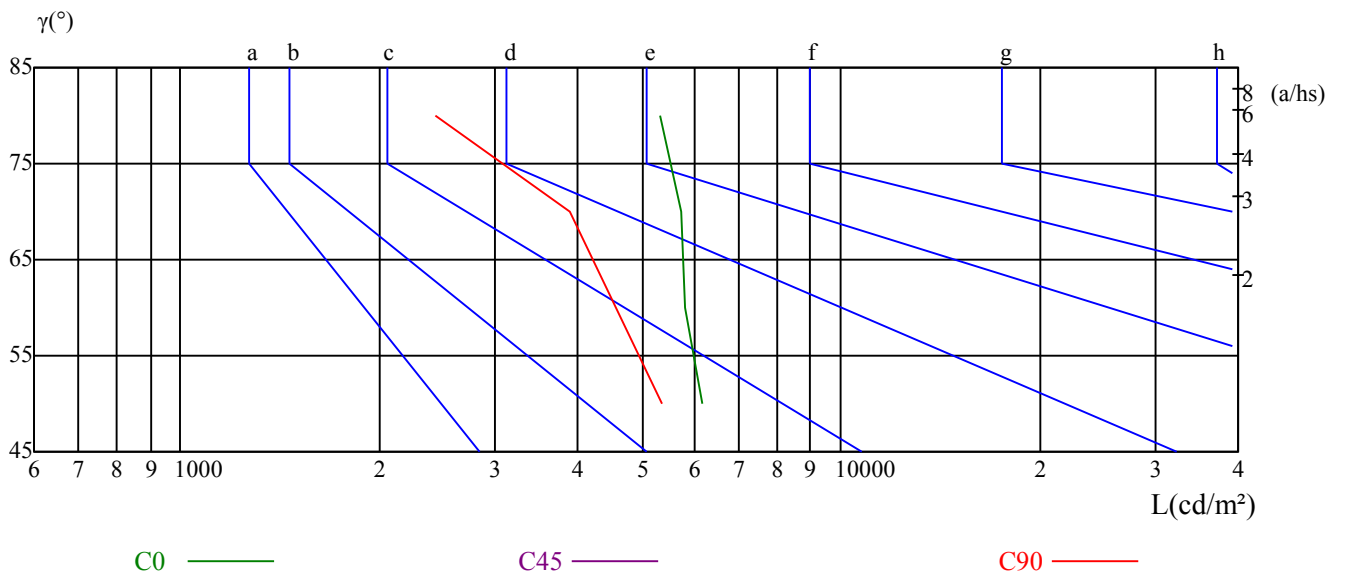
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6152	0	5824	0	5727	0	5309	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5349	0	4572	0	3876	0	2428	0

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)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		a	b	c	d	e	f	g	h

亮度限制曲线



测试设备: GMS1800  
环境温度( $^{\circ}\text{C}$ ): 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

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	7.01	8.06	7.37	8.37	8.68	7.99	9.04	8.35	9.35	9.66
	3H	8.48	9.41	8.86	9.74	10.11	9.98	10.91	10.36	11.24	11.61
	4H	8.99	9.86	9.40	10.21	10.60	10.69	11.55	11.09	11.90	12.29
	6H	9.26	10.05	9.68	10.43	10.82	11.20	11.99	11.62	12.37	12.76
	8H	9.30	10.05	9.74	10.44	10.85	11.38	12.12	11.81	12.51	12.92
	12H	9.34	10.05	9.77	10.43	10.86	11.60	12.31	12.03	12.69	13.13
4H	2H	7.70	8.56	8.10	8.91	9.30	8.46	9.32	8.86	9.67	10.06
	3H	9.33	10.04	9.74	10.44	10.85	10.70	11.40	11.11	11.81	12.22
	4H	9.92	10.55	10.36	10.98	11.42	11.50	12.13	11.93	12.55	13.00
	6H	10.20	10.75	10.67	11.20	11.67	12.01	12.55	12.47	13.00	13.47
	8H	10.26	10.77	10.74	11.22	11.69	12.22	12.72	12.69	13.17	13.65
	12H	10.30	10.74	10.79	11.23	11.71	12.45	12.89	12.94	13.38	13.85
8H	4H	10.22	10.73	10.69	11.18	11.65	11.61	12.12	12.09	12.57	13.04
	6H	10.60	11.00	11.11	11.51	11.99	12.22	12.62	12.73	13.12	13.61
	8H	10.71	11.06	11.24	11.59	12.08	12.49	12.85	13.02	13.37	13.87
	12H	11.30	11.61	11.82	12.11	12.69	13.26	13.56	13.78	14.06	14.64
12H	4H	10.22	10.66	10.72	11.15	11.63	11.58	12.02	12.07	12.51	12.98
	6H	10.96	11.00	11.17	11.47	12.01	12.53	12.56	12.74	13.04	13.58
	8H	10.78	11.09	11.30	11.59	12.17	12.52	12.82	13.04	13.32	13.90
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.4/-0.5					
S = 1.5H	0.7/-0.8					0.8/-0.7					
S = 2.0H	1.4/-1.0					1.5/-0.7					
标准表格	BK3					BK3					
更正系数	-2.0					-0.3					

# 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	29574.67	29367.48	28561.73	27011.64	24893.68	22092.76	18700.95	15048.24	11909.68
30.0	29636.06	28937.75	27057.68	23934.46	19944.10	15830.97	11694.81	8180.23	5578.82
60.0	29567.00	27855.75	23535.42	15234.72	11796.87	7468.10	4827.56	3207.63	2273.74
90.0	29613.04	27802.03	22959.89	15623.78	9845.43	5985.53	3898.27	2671.24	1993.64
120.0	29543.98	27748.32	23558.44	17373.39	12287.22	8025.22	5055.47	3494.63	2591.43
150.0	29590.02	29052.86	27180.46	24072.59	20312.44	16061.18	11955.72	8471.83	5954.84
180.0	29574.67	29244.70	28308.50	26505.17	24287.45	21325.38	17987.29	14399.81	11152.28
210.0	29636.06	29083.55	27203.48	24302.80	20481.27	15162.58	12370.87	8933.02	6376.13
240.0	29567.00	28722.88	25285.04	19706.22	13927.87	9170.14	6085.29	4028.72	2834.69
270.0	29613.04	28155.03	23466.36	15206.32	10786.24	6713.01	4278.12	2945.96	2197.76
300.0	29543.98	28653.82	25400.15	19875.04	13812.77	9101.08	6016.23	3967.33	2831.62
330.0	29590.02	28937.75	27126.74	24003.52	20112.92	15223.97	11766.18	8568.52	5964.81
360.0	29574.67	29367.48	28561.73	27011.64	24893.68	22092.76	18700.95	15048.24	11909.68
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	8970.63	6576.41	4642.62	3223.75	2251.48	1665.21	1249.29	968.43	790.40
30.0	3913.62	2625.96	1899.26	1414.27	1098.12	892.46	738.98	622.34	534.09
60.0	1708.18	1372.45	1116.23	926.30	789.63	676.21	586.05	514.53	458.28
90.0	1584.63	1282.29	1064.35	898.60	778.12	680.66	604.69	536.40	477.31
120.0	21378.33	1448.88	1189.82	995.59	846.95	733.46	635.54	555.58	491.66
150.0	4082.44	2888.40	2078.82	1558.54	1214.76	989.15	818.02	691.41	587.81
180.0	8451.88	6102.94	4279.66	2972.81	2151.72	1516.18	1213.07	948.09	762.16
210.0	4380.95	3080.25	2220.79	1592.31	1305.08	1056.98	862.99	723.48	614.13
240.0	2093.40	1639.88	1329.86	1104.25	938.50	804.98	696.78	603.92	531.02
270.0	1700.51	1403.84	1169.48	988.53	855.70	754.18	662.40	588.65	528.42
300.0	2083.43	1609.19	1308.38	1088.91	928.52	797.30	694.48	600.09	525.65
330.0	4167.62	2925.24	2147.89	1523.78	1249.98	1004.34	829.53	694.78	590.27
360.0	8970.63	6576.41	4642.62	3223.75	2251.48	1665.21	1249.29	968.43	790.40
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	649.97	544.84	463.50	400.57	354.68	321.61	293.44	269.89	251.24
30.0	467.33	412.08	372.02	336.80	308.41	285.39	267.20	250.39	235.74
60.0	409.63	370.11	338.87	311.48	289.84	269.27	252.70	236.58	222.62
90.0	428.96	387.52	354.07	323.22	297.51	272.73	252.85	234.66	218.32
120.0	435.72	390.59	353.76	324.91	299.74	279.02	259.91	242.64	226.45
150.0	507.24	445.08	391.36	355.06	322.22	296.51	273.65	254.92	238.42
180.0	628.17	534.02	451.14	387.76	345.55	311.25	284.62	260.52	242.95
210.0	529.03	460.89	406.10	363.58	329.28	302.42	278.48	259.22	242.18
240.0	467.33	415.15	380.31	337.80	308.18	284.47	261.60	241.72	225.46
270.0	470.94	418.14	372.10	327.98	296.67	272.42	250.01	231.59	215.10
300.0	459.66	410.55	370.26	335.57	308.18	283.62	262.98	242.34	226.07
330.0	509.54	445.46	394.81	353.84	323.91	298.13	276.03	258.84	243.10
360.0	649.97	544.84	463.50	400.57	354.68	321.61	293.44	269.89	251.24
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	234.97	221.69	210.03	198.75	187.16	175.65	162.30	148.79	133.68
30.0	223.38	211.34	200.90	191.46	182.33	171.74	160.07	146.88	130.68
60.0	208.65	195.30	182.18	166.52	150.87	137.05	124.39	110.89	97.15
90.0	202.59	186.55	169.97	156.01	143.42	130.38	117.18	103.52	90.47
120.0	212.26	198.37	184.40	169.28	153.09	139.20	125.47	112.42	97.92
150.0	223.15	209.19	199.13	189.62	178.49	168.59	155.16	140.81	126.31
180.0	226.91	213.02	201.51	189.31	178.26	165.14	151.79	137.21	123.32
210.0	226.76	214.10	202.20	191.69	181.18	170.13	158.62	146.95	132.37
240.0	209.26	195.37	180.18	164.30	149.41	136.82	123.55	110.73	97.38
270.0	197.29	179.95	164.60	151.10	137.82	125.01	112.34	99.22	87.02
300.0	210.34	196.76	182.33	165.37	150.48	136.90	123.24	110.50	98.30
330.0	228.52	216.25	204.66	193.61	182.79	172.35	160.30	147.64	132.45
360.0	234.97	221.69	210.03	198.75	187.16	175.65	162.30	148.79	133.68

测试设备: GMS1800  
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测试人员: anpeilou  
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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	118.48	104.90	91.09	77.97	62.92	50.49	37.52	24.40	11.82
30.0	113.96	92.47	70.91	55.40	41.44	28.93	20.18	6.52	2.92
60.0	83.34	69.29	56.71	48.81	30.93	16.35	12.43	5.60	3.45
90.0	77.58	65.92	58.55	43.05	28.78	16.73	13.20	5.91	3.91
120.0	83.34	66.99	55.40	48.73	30.46	17.04	12.12	5.53	3.53
150.0	113.42	93.70	71.37	56.48	42.74	29.70	21.79	6.29	2.76
180.0	108.81	94.62	81.96	67.53	53.72	41.90	28.85	17.73	4.99
210.0	114.34	92.70	72.90	57.86	44.05	31.92	24.63	8.21	3.68
240.0	84.41	71.52	59.39	51.49	39.21	21.41	12.20	7.60	3.45
270.0	74.67	63.77	57.25	42.59	27.63	15.58	12.51	5.29	3.45
300.0	84.26	71.14	59.55	50.95	37.75	20.11	11.74	7.29	3.30
330.0	114.57	92.32	72.21	56.71	42.82	30.77	23.02	7.29	3.45
360.0	118.48	104.90	91.09	77.97	62.92	50.49	37.52	24.40	11.82

C/γ(°)	90.0
0.0	1.07
30.0	0.46
60.0	0.46
90.0	0.46
120.0	0.46
150.0	0.54
180.0	0.54
210.0	1.23
240.0	1.15
270.0	0.84
300.0	1.00
330.0	1.15
360.0	1.07