

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3082B5-18-UN-RC-Y(30-XL-18RGBWN-AJ, L480mm, C, CT)

报告编号:

电压(V): 201.8000

测试编号: 202102250066

电流(A): 0.6500

光源规格型号: XL

功率(W): 129.9000

每个光源光通量(lm)

功率因数: 0.9910

光源数量: 18

镇流器型号:

发光面长度(mm): 420

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): 4740.78

灯具效能(lm/w): 36.50

中心光强(cd): 11147.670

最大光强(cd): 11809.920

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=30.7

[C90/270]Total=30.6

光束扩散角(10%Imax): [C0/180]Total=63.4

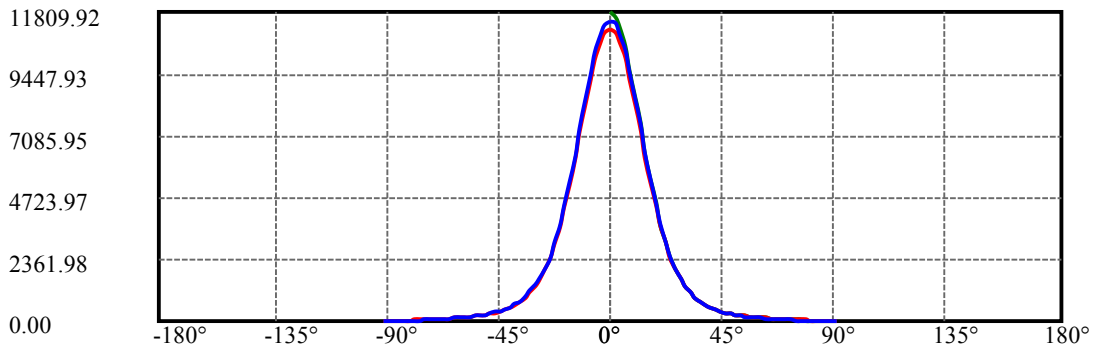
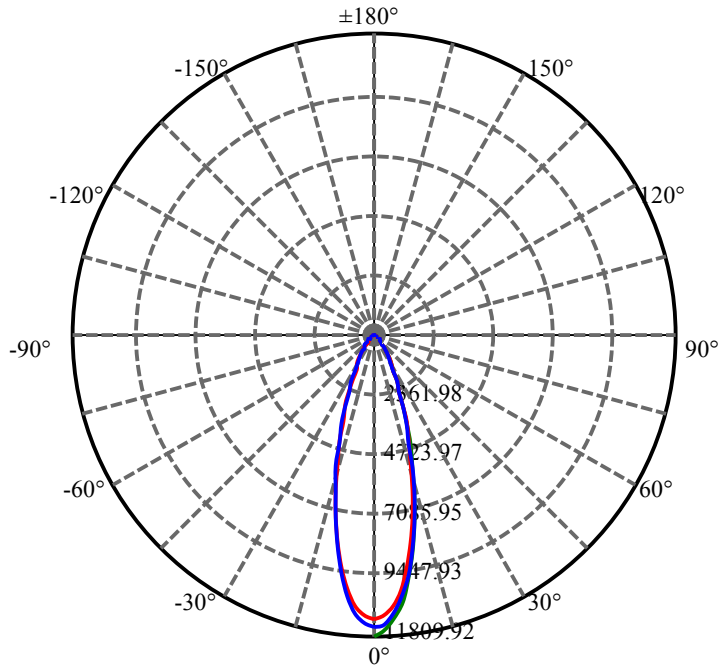
[C90/270]Total=63.6

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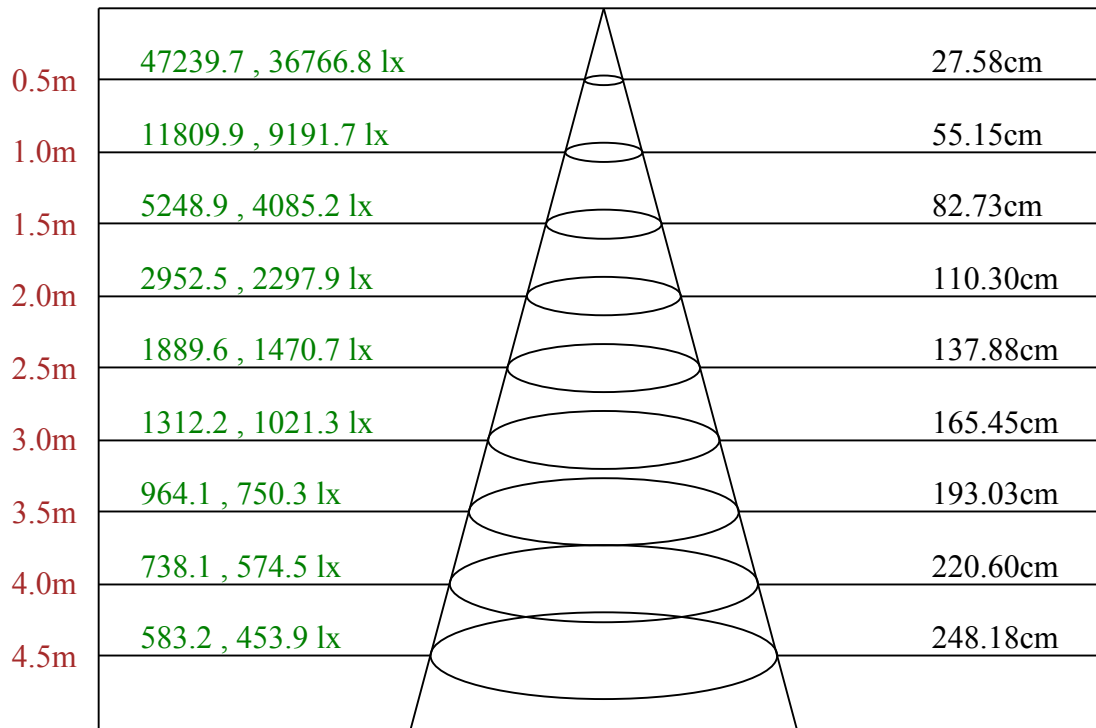
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/25  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

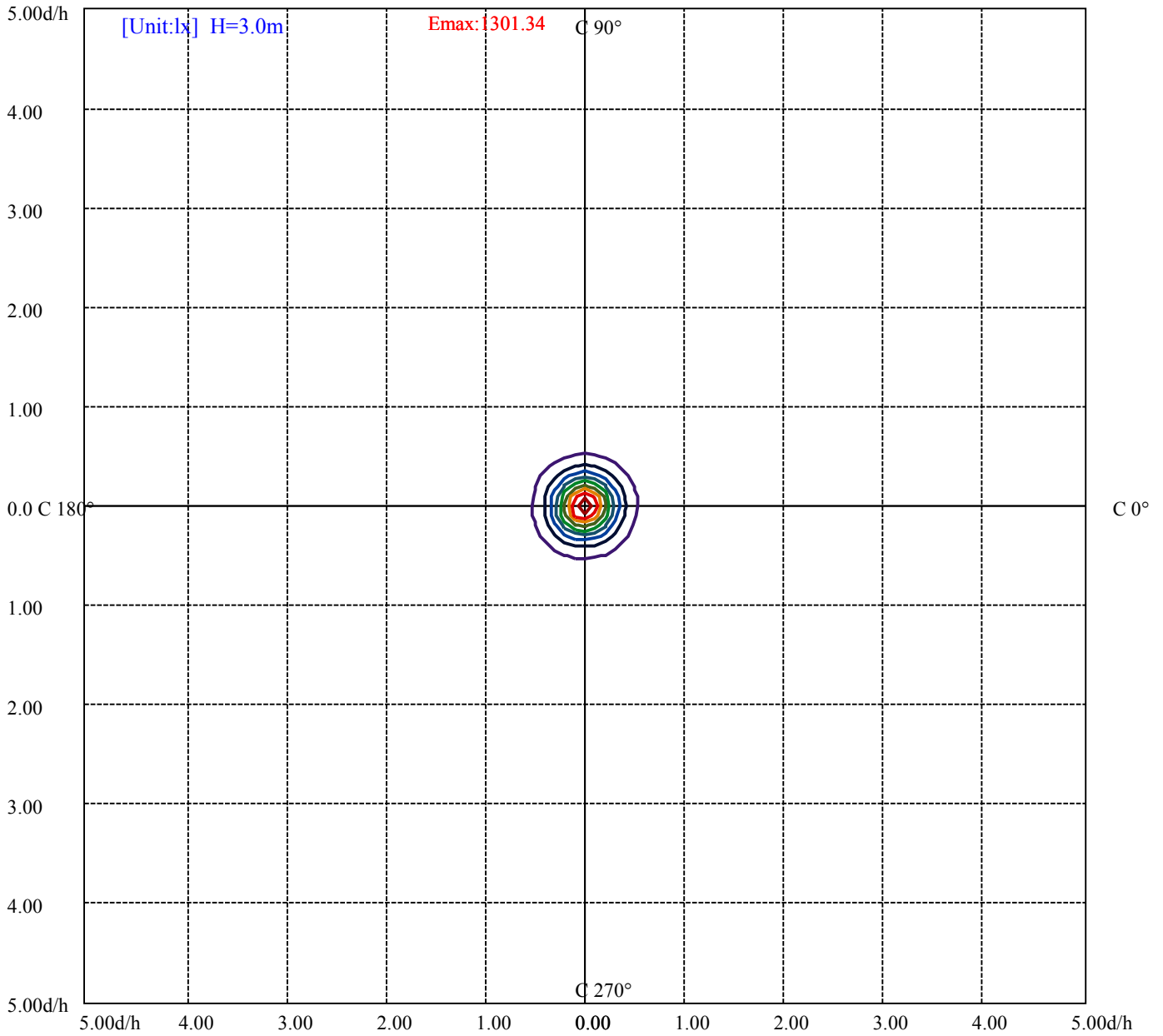


C30(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave    C30面光束角30.83

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 130.1333
- (20%Emax) 260.2678
- (30%Emax) 390.4011
- (40%Emax) 520.5355
- (50%Emax) 650.6689
- (60%Emax) 780.8022
- (70%Emax) 910.9366
- (80%Emax) 1041.07
- (90%Emax) 1171.2

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测试人员: anpeilou  
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# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

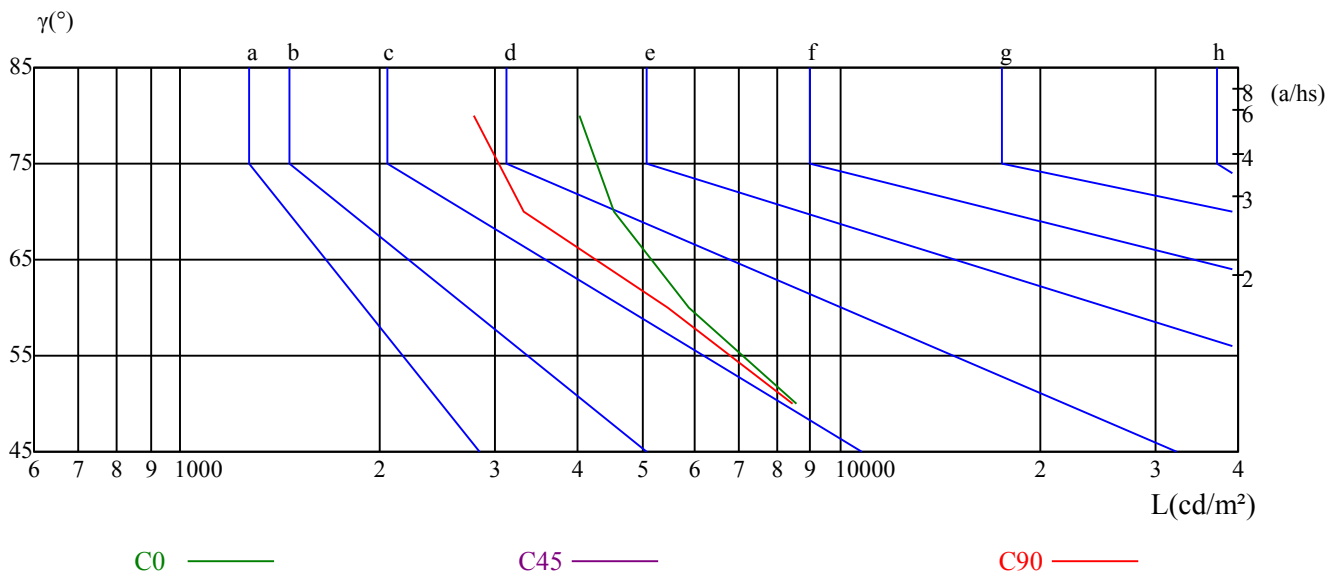
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	8595	0	5881	0	4533	0	4008	0
C45	0	0	0	0	0	0	0	0	0
C90	0	8476	0	5474	0	3307	0	2786	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
445184	391473	0	398031	309033	0	400642	127158	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



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	8.46	9.52	8.83	9.83	10.15	8.63	9.69	9.00	10.01	10.32
	3H	9.18	10.12	9.57	10.45	10.82	9.79	10.73	10.17	11.06	11.43
	4H	9.41	10.28	9.81	10.63	11.02	10.22	11.09	10.62	11.44	11.83
	6H	9.58	10.37	9.99	10.74	11.14	10.53	11.32	10.95	11.70	12.09
	8H	9.61	10.36	10.04	10.75	11.16	10.63	11.37	11.06	11.77	12.18
	12H	9.63	10.34	10.06	10.72	11.15	10.75	11.46	11.18	11.85	12.28
4H	2H	8.82	9.69	9.22	10.04	10.43	8.96	9.83	9.37	10.18	10.57
	3H	9.67	10.38	10.09	10.79	11.20	10.36	11.07	10.77	11.47	11.88
	4H	9.97	10.60	10.41	11.03	11.47	10.90	11.53	11.34	11.95	12.40
	6H	10.17	10.71	10.64	11.16	11.63	11.23	11.77	11.70	12.22	12.69
	8H	10.22	10.73	10.70	11.18	11.65	11.35	11.86	11.83	12.31	12.78
	12H	10.24	10.68	10.73	11.17	11.65	11.48	11.92	11.98	12.41	12.89
8H	4H	10.12	10.62	10.59	11.07	11.55	10.96	11.46	11.43	11.91	12.38
	6H	10.39	10.80	10.90	11.30	11.78	11.36	11.76	11.87	12.27	12.75
	8H	10.48	10.84	11.02	11.36	11.86	11.53	11.89	12.06	12.41	12.91
	12H	11.11	11.42	11.63	11.92	12.50	12.23	12.54	12.76	13.04	13.62
12H	4H	10.10	10.53	10.59	11.02	11.50	10.92	11.36	11.41	11.84	12.32
	6H	10.72	10.75	10.93	11.22	11.77	11.67	11.70	11.87	12.17	12.72
	8H	10.51	10.82	11.03	11.32	11.90	11.54	11.85	12.06	12.35	12.93
对应照射距离，改变观察者位置S											
S = 1.0H	1.7/-1.5					1.4/-1.3					
S = 1.5H	3.0/-2.2					2.6/-1.8					
S = 2.0H	5.1/-3.0					4.4/-2.1					
标准表格	BK2					BK2					
更正系数	-1.5					-0.9					

# 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	11147.67	11019.52	10634.30	10033.44	9210.05	8256.97	7276.26	6243.37	5271.87
30.0	11809.92	11624.98	11194.48	10507.68	9596.04	8609.19	7523.35	6421.40	5447.60
60.0	11614.24	11420.09	10984.99	10282.07	9366.59	8339.84	7295.44	6205.00	5208.95
90.0	11468.43	11351.79	10961.20	10363.41	9507.02	8510.20	7455.06	6426.01	5404.63
120.0	11338.75	11201.39	10799.28	10146.25	9332.06	8349.05	7294.68	6290.18	5301.03
150.0	11231.32	11134.63	10793.91	10205.33	9436.42	8481.04	7464.27	6406.82	5453.74
180.0	11147.67	11005.71	10631.99	10005.82	9213.12	8250.83	7211.80	6218.05	5241.18
210.0	11809.92	11713.99	11363.30	10726.38	9892.24	8931.49	7824.93	6746.77	5683.19
240.0	11614.24	11539.80	11198.32	10585.18	9755.65	8764.20	7722.87	6633.20	5649.42
270.0	11468.43	11324.17	10909.78	10271.33	9427.98	8426.56	7342.25	6343.90	5329.43
300.0	11338.75	11216.73	10829.21	10177.71	9384.24	8411.98	7353.00	6315.50	5372.40
330.0	11231.32	11061.73	10625.09	9941.36	9137.15	8154.90	7162.69	6150.52	5160.60
360.0	11147.67	11019.52	10634.30	10033.44	9210.05	8256.97	7276.26	6243.37	5271.87
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4368.67	3636.59	2974.35	2432.58	1982.90	1616.09	1314.52	1083.53	899.36
30.0	4525.22	3696.45	3011.95	2478.62	2004.39	1646.02	1342.91	1096.58	893.99
60.0	4352.56	3561.39	2925.24	2375.80	1925.35	1523.39	1291.88	1050.54	857.16
90.0	4489.92	3722.54	3027.30	2464.81	2000.55	1647.56	1349.81	1115.76	906.27
120.0	4404.74	3616.64	2991.23	2434.88	2003.62	1576.96	1351.66	1111.93	927.30
150.0	4551.31	3735.59	3074.11	2510.09	2068.85	1690.53	1391.25	1149.53	959.99
180.0	4350.25	3564.46	2939.82	2392.68	1944.53	1516.72	1320.42	1083.38	890.77
210.0	4746.99	3910.55	3182.31	2607.54	2127.17	1746.55	1431.31	1177.15	961.60
240.0	4680.99	3853.76	3143.17	2571.48	2094.17	1702.04	1395.09	1143.39	935.43
270.0	4407.81	3666.52	2984.33	2446.39	2004.39	1646.02	1367.92	1137.94	918.47
300.0	4448.48	3701.05	3031.90	2460.21	2010.53	1661.37	1359.79	1126.51	942.34
330.0	4313.42	3560.62	2896.84	2350.47	1943.76	1524.39	1329.17	1104.02	914.18
360.0	4368.67	3636.59	2974.35	2432.58	1982.90	1616.09	1314.52	1083.53	899.36
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	735.15	617.74	516.44	432.80	387.52	322.53	278.48	243.64	214.56
30.0	740.52	610.83	507.24	432.03	389.06	320.23	275.79	241.72	211.72
60.0	709.90	585.89	489.13	413.16	355.30	305.95	267.97	234.36	205.81
90.0	743.59	620.04	511.84	434.33	389.06	320.61	275.64	240.27	209.34
120.0	770.14	643.37	546.91	465.18	401.80	344.63	302.12	263.82	232.28
150.0	797.30	666.08	565.56	481.14	412.08	356.60	311.48	271.34	239.11
180.0	742.44	615.67	519.97	439.94	375.32	322.68	281.78	245.41	214.33
210.0	796.38	660.94	549.90	467.64	400.11	343.55	297.97	262.14	229.06
240.0	764.31	639.99	534.86	453.52	389.83	335.11	289.76	255.61	224.84
270.0	752.87	632.16	528.18	446.61	383.15	332.04	287.77	252.24	218.55
300.0	781.19	662.25	555.58	475.01	409.78	357.75	310.63	272.73	241.11
330.0	760.09	644.67	543.99	464.11	403.72	348.93	305.65	266.66	235.66
360.0	735.15	617.74	516.44	432.80	387.52	322.53	278.48	243.64	214.56
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	187.32	166.14	146.03	129.69	115.11	101.91	88.71	77.20	68.37
30.0	187.70	165.98	147.18	131.45	116.79	103.37	91.24	80.42	69.22
60.0	181.41	160.69	141.27	124.47	109.50	93.85	77.81	61.31	50.34
90.0	183.17	160.15	139.51	120.71	101.22	82.80	66.92	57.71	49.88
120.0	203.51	178.26	157.24	138.28	120.48	102.67	85.49	66.45	53.56
150.0	210.34	185.55	165.14	145.49	129.69	114.80	101.98	89.40	77.04
180.0	189.08	166.60	148.26	130.68	116.33	102.21	89.94	78.43	68.99
210.0	203.12	180.33	159.84	143.04	127.61	113.34	100.68	89.55	77.74
240.0	197.75	176.80	156.47	138.28	121.40	107.05	91.47	75.28	58.17
270.0	190.92	169.13	148.10	129.15	110.66	91.47	71.37	59.63	51.57
300.0	211.57	187.24	164.60	145.03	127.61	111.12	94.54	76.05	57.09
330.0	207.81	185.40	163.83	145.26	129.15	115.11	101.75	89.25	77.04
360.0	187.32	166.14	146.03	129.69	115.11	101.91	88.71	77.20	68.37

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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	59.09	51.80	44.28	37.68	30.70	22.33	16.19	9.36	2.84
30.0	59.32	50.80	40.52	29.08	20.49	14.50	10.13	3.15	1.15
60.0	42.74	35.99	29.54	24.17	19.72	11.05	5.22	3.53	1.53
90.0	43.05	36.53	31.23	26.93	21.33	9.52	6.52	3.61	1.84
120.0	45.81	38.29	31.39	25.63	20.80	12.97	4.99	3.91	1.69
150.0	66.22	56.17	44.51	30.85	22.41	16.11	10.97	4.68	1.69
180.0	60.78	52.10	44.97	37.99	31.23	22.56	16.50	9.06	2.61
210.0	67.76	58.78	48.88	37.14	24.79	17.50	11.51	6.52	2.15
240.0	47.04	39.83	32.23	26.01	21.26	16.27	6.22	4.68	2.46
270.0	43.89	36.76	30.93	26.63	21.18	9.52	6.83	3.53	2.30
300.0	46.89	39.60	32.08	26.01	21.03	13.81	5.22	3.68	2.15
330.0	66.30	56.94	45.66	31.31	21.64	14.50	10.21	2.99	1.53
360.0	59.09	51.80	44.28	37.68	30.70	22.33	16.19	9.36	2.84

C/γ(°)	90.0
0.0	0.31
30.0	0.23
60.0	0.23
90.0	0.38
120.0	0.38
150.0	0.54
180.0	0.23
210.0	0.69
240.0	0.46
270.0	0.23
300.0	0.15
330.0	0.23
360.0	0.31