

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3313A-27-UN (15-OL-27WN-AA, P1)

报告编号:

电压(V): 220.2000

测试编号: 20210326009

电流(A): 0.1530

光源规格型号: OL

功率(W): 32.7000

每个光源光通量(lm)

功率因数: 0.9660

光源数量: 27

镇流器型号:

发光面长度(mm): 900

发光面宽度(mm): 40

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): 2858.12

灯具效能(lm/w): 87.40

中心光强(cd): 21793.480

最大光强(cd): 21969.970

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=15.0

[C90/270]Total=15.0

光束扩散角(10%Imax): [C0/180]Total=32.6

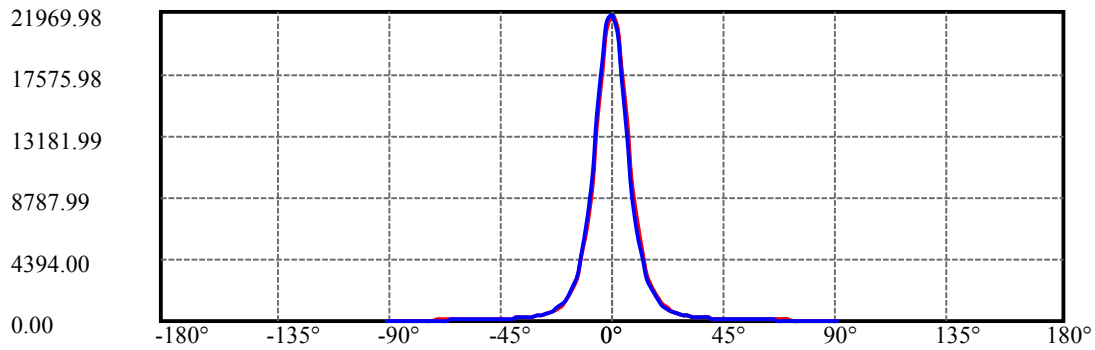
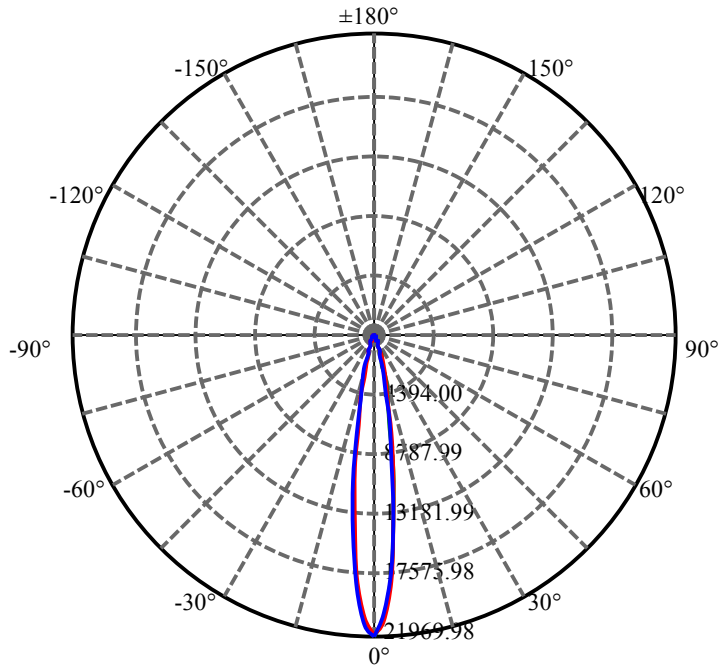
[C90/270]Total=32.2

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测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/26  
环境湿度(%): 60.0%

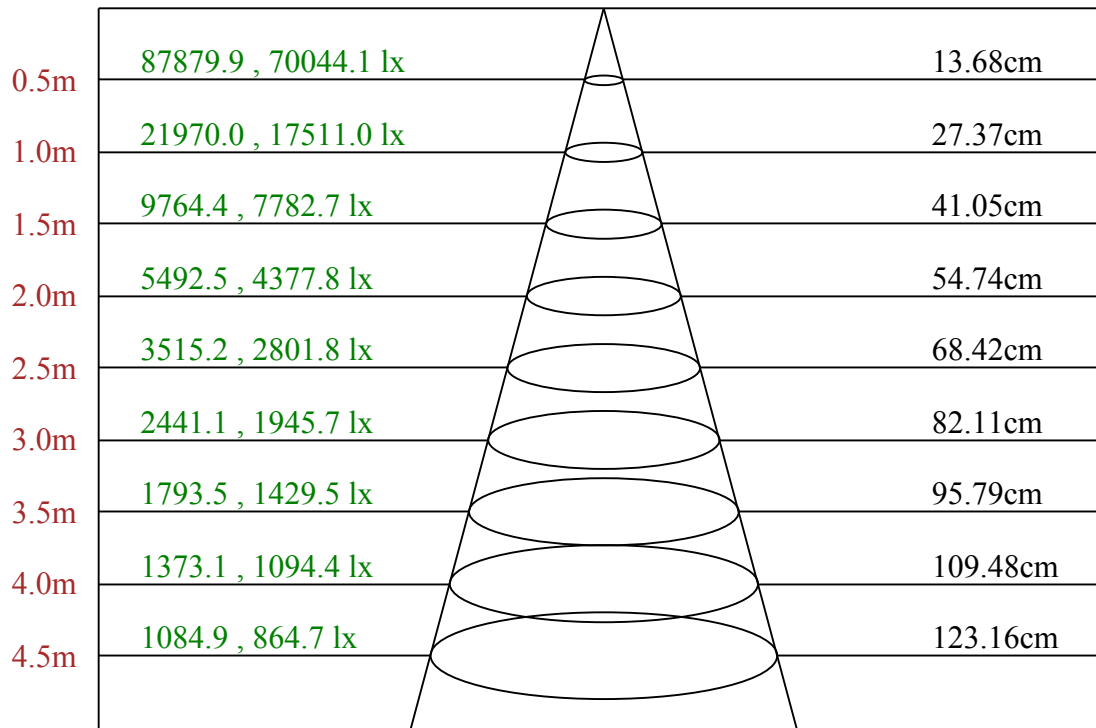
测试人员: anpeilou  
测试距离(m): 8.76



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

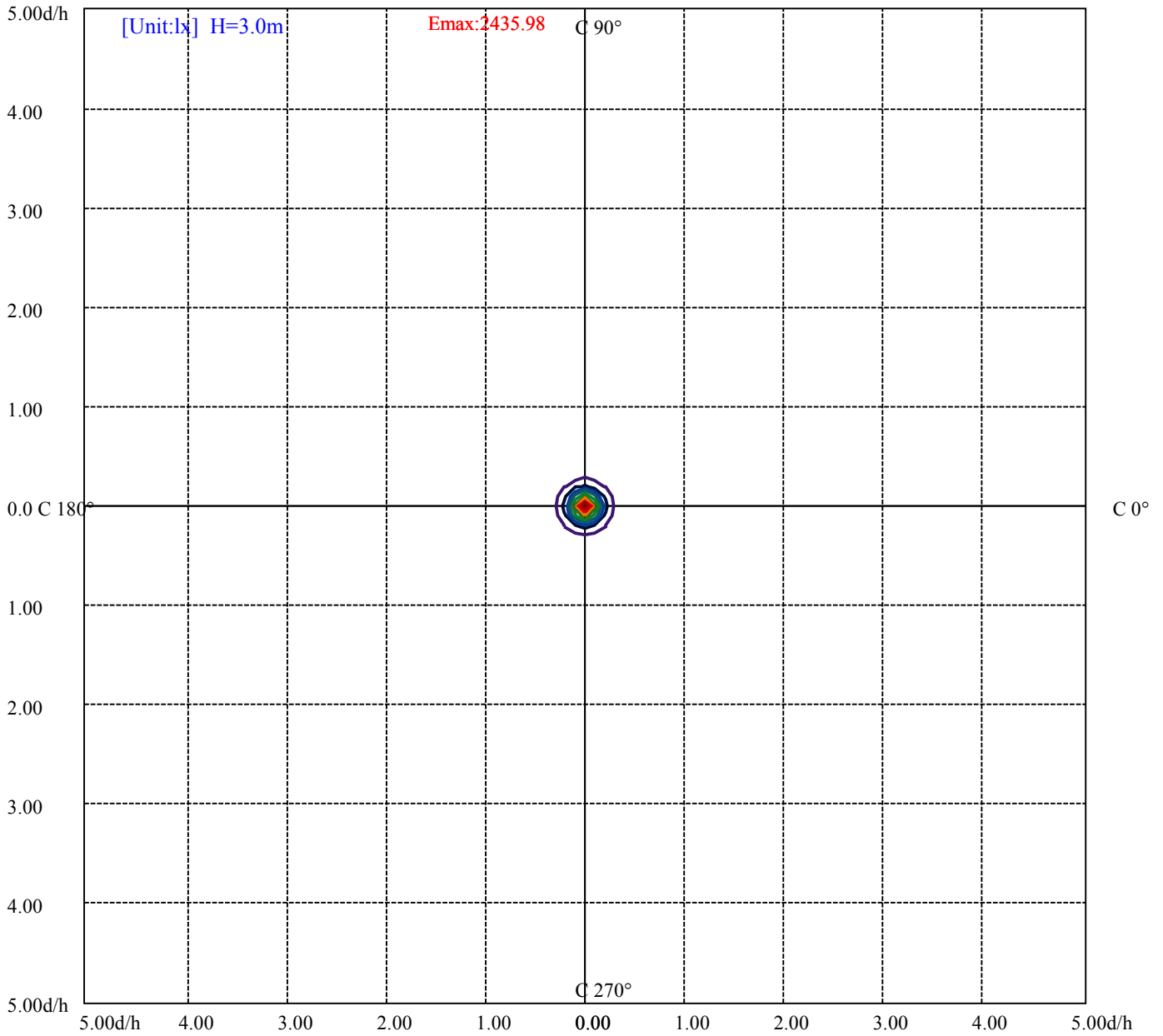
ROLED 投光灯

照度距离图表



Max , Ave    C30面光束角15.58

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 243.5978
- (20%Emax) 487.1955
- (30%Emax) 730.7933
- (40%Emax) 974.3911
- (50%Emax) 1217.989
- (60%Emax) 1461.589
- (70%Emax) 1705.189
- (80%Emax) 1948.778
- (90%Emax) 2192.378

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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

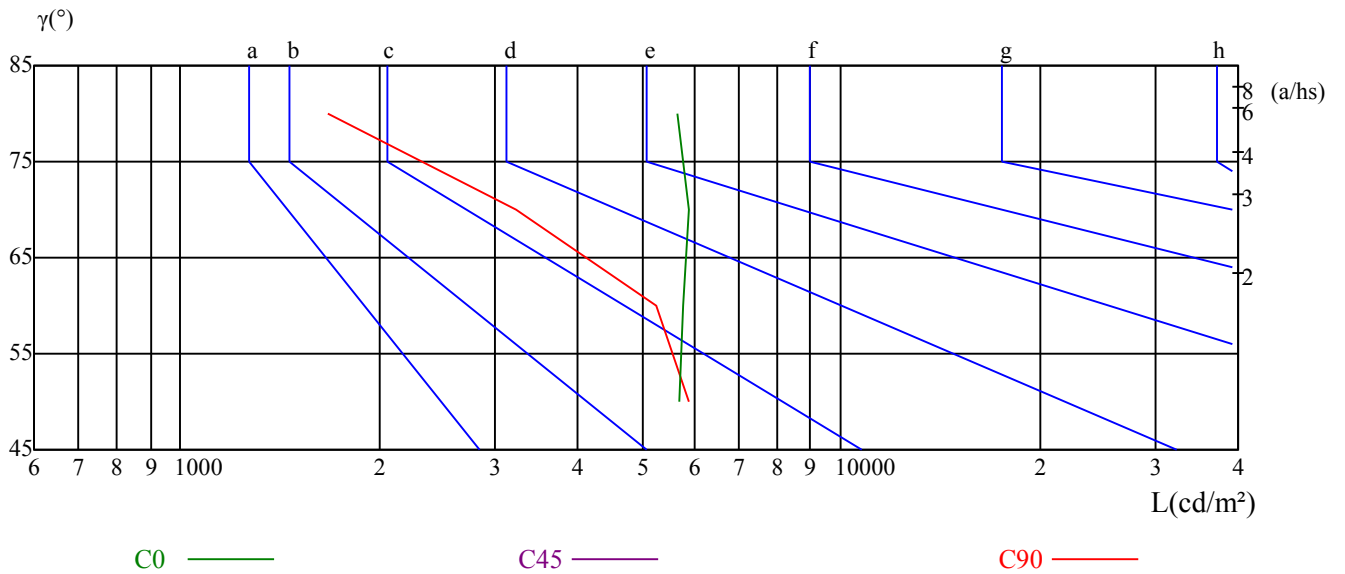
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5704	0	5760	0	5883	0	5659	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5899	0	5248	0	3216	0	1669	0

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	$\leq 300$				
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

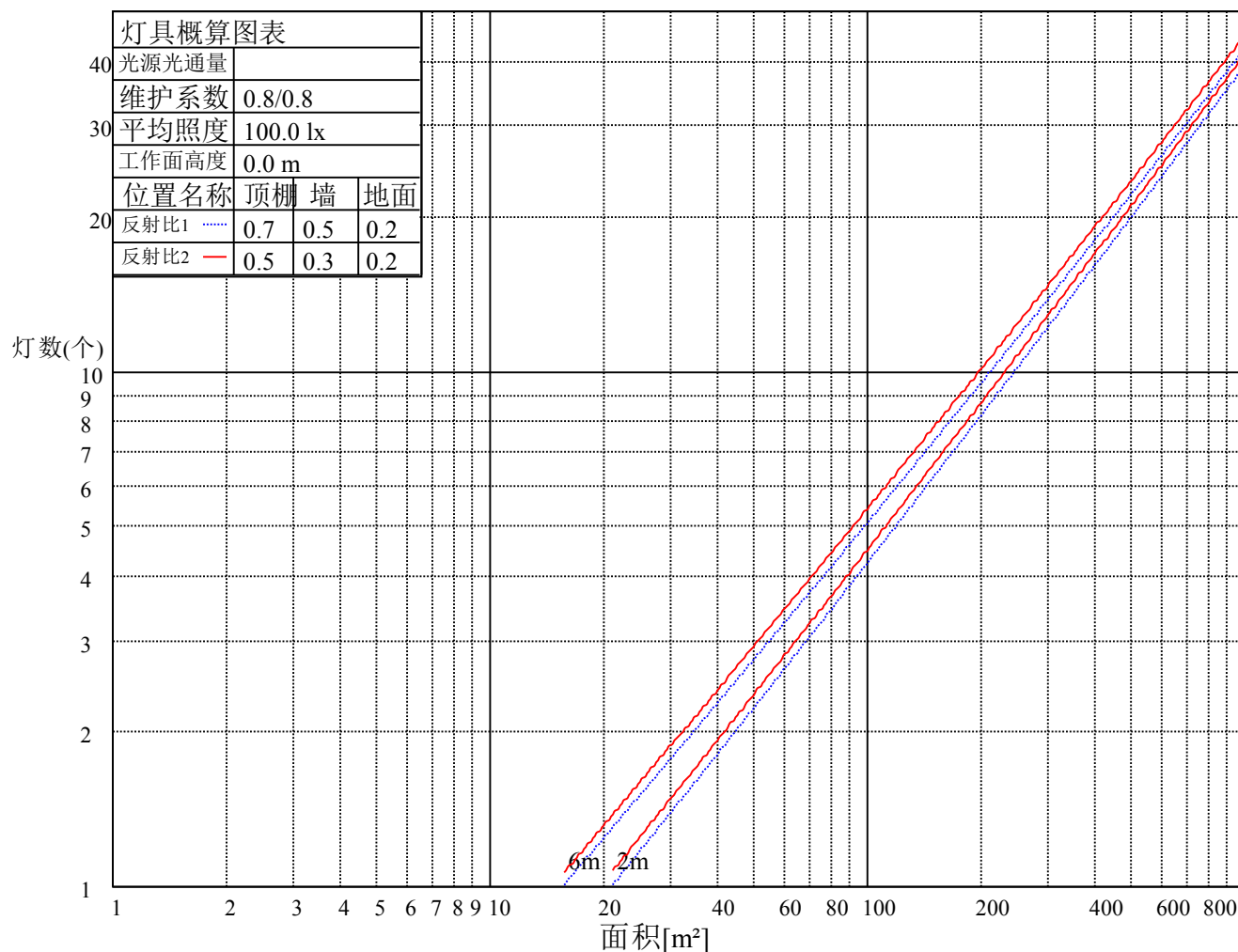
亮度限制曲线



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	10.22	11.29	10.59	11.60	11.91	10.50	11.57	10.87	11.88	12.19
	3H	11.33	12.27	11.72	12.61	12.97	12.55	13.49	12.93	13.82	14.19
	4H	11.49	12.36	11.89	12.71	13.10	13.32	14.20	13.73	14.55	14.94
	6H	11.53	12.33	11.95	12.71	13.10	13.87	14.67	14.29	15.05	15.44
	8H	11.54	12.30	11.98	12.69	13.10	14.05	14.80	14.49	15.20	15.61
	12H	11.59	12.31	12.03	12.69	13.13	14.27	14.99	14.71	15.38	15.81
4H	2H	10.88	11.76	11.29	12.11	12.50	11.10	11.97	11.50	12.32	12.71
	3H	12.09	12.80	12.50	13.21	13.62	13.36	14.08	13.78	14.49	14.89
	4H	12.27	12.91	12.71	13.33	13.78	14.24	14.88	14.67	15.30	15.75
	6H	12.33	12.88	12.80	13.33	13.80	14.75	15.30	15.22	15.75	16.22
	8H	12.34	12.85	12.82	13.30	13.78	14.95	15.46	15.42	15.91	16.38
8H	12H	12.40	12.84	12.89	13.33	13.81	15.16	15.60	15.65	16.09	16.57
	4H	12.52	13.03	13.00	13.48	13.96	14.29	14.80	14.76	15.25	15.72
	6H	12.61	13.02	13.12	13.52	14.00	14.85	15.26	15.36	15.76	16.25
	8H	12.65	13.01	13.18	13.53	14.03	15.09	15.45	15.62	15.97	16.47
12H	12H	13.48	13.79	14.00	14.29	14.87	15.84	16.15	16.36	16.65	17.22
	4H	12.51	12.95	13.00	13.44	13.92	14.24	14.68	14.73	15.17	15.64
	6H	12.95	12.97	13.15	13.45	13.99	15.14	15.17	15.34	15.64	16.19
8H	12.68	12.99	13.21	13.49	14.07	15.07	15.38	15.59	15.88	16.46	
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.5					0.2/-0.7					
S = 1.5H	0.9/-0.8					0.8/-0.6					
S = 2.0H	1.9/-1.7					0.8/-0.7					
标准表格	BK3					BK3					
更正系数	-1.7					-0.2					

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## 灯具的概算曲线



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.12	1.09	1.07	1.09	1.07	1.06	1.05	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95
2	1.05	1.02	0.99	1.03	1.00	0.97	1.00	0.98	0.95	0.97	0.95	0.93	0.95	0.93	0.91	0.90
3	1.00	0.95	0.92	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.88	0.91	0.89	0.87	0.86
4	0.95	0.90	0.87	0.94	0.90	0.86	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.86	0.84	0.82
5	0.91	0.86	0.83	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.80	0.79
6	0.88	0.83	0.80	0.87	0.83	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.77
7	0.85	0.80	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.74
8	0.82	0.77	0.74	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.72
9	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.70
10	0.78	0.73	0.70	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.69



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光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	21793.48	20803.56	17918.23	13989.26	10229.12	7190.31	4834.47	3341.16	2379.63
30.0	21969.97	20627.07	17457.80	13528.84	9891.48	6775.93	4596.58	3227.58	2260.69
60.0	21877.89	20028.51	15147.23	12515.14	8937.63	6073.78	4151.50	2931.38	2077.29
90.0	21900.91	20335.46	17135.51	12884.24	9246.88	6269.46	4351.02	3046.48	2160.93
120.0	21785.80	20135.95	15278.46	12618.73	8990.58	6110.62	4195.24	2929.07	2127.17
150.0	21801.15	20749.85	17672.67	13705.34	9791.72	6798.95	4619.60	3198.42	2295.22
180.0	21793.48	20611.72	17695.69	13752.15	9794.02	6671.57	4594.28	3120.92	2187.02
210.0	21969.97	21148.88	18263.55	14477.32	10495.40	7112.81	4774.61	3306.62	2286.01
240.0	21877.89	21517.22	19038.60	15332.17	11272.75	7704.46	5095.38	3936.64	2460.97
270.0	21900.91	21179.58	18524.46	14551.75	10679.57	7203.36	4802.24	3275.16	2324.38
300.0	21785.80	21287.01	18854.43	14733.62	10950.46	7512.61	5095.38	3890.60	2462.51
330.0	21801.15	20726.83	17887.53	13938.62	10080.25	7004.61	4744.69	3277.46	2294.45
360.0	21793.48	20803.56	17918.23	13989.26	10229.12	7190.31	4834.47	3341.16	2379.63
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1677.48	1217.83	900.13	693.71	546.37	439.71	388.29	312.86	269.96
30.0	1639.88	1184.06	880.95	678.36	541.00	438.17	389.06	315.24	273.19
60.0	1493.01	1083.92	831.53	646.13	517.98	423.98	356.22	305.19	267.66
90.0	1565.45	1137.25	854.86	662.25	527.19	430.50	376.01	312.25	272.42
120.0	1507.74	1135.72	858.23	664.32	522.81	431.27	360.13	306.64	268.12
150.0	1644.49	1210.15	892.46	696.01	546.37	444.31	389.83	315.31	274.11
180.0	1516.33	1150.53	869.28	669.23	527.03	426.66	358.98	304.65	264.13
210.0	1512.19	1204.93	890.62	696.01	550.21	443.47	370.57	318.15	274.64
240.0	1729.67	1267.71	936.97	722.87	564.02	459.66	390.59	328.74	284.08
270.0	1509.43	1216.90	902.82	699.46	557.04	450.30	377.17	322.53	281.47
300.0	1771.87	1279.98	950.78	727.47	577.83	462.73	389.06	329.74	284.62
330.0	1528.31	1218.06	915.71	703.22	552.59	443.54	373.41	317.46	274.11
360.0	1677.48	1217.83	900.13	693.71	546.37	439.71	388.29	312.86	269.96
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	238.35	212.95	191.46	175.19	161.46	149.64	139.74	131.99	124.93
30.0	240.96	214.71	195.07	178.80	166.21	155.39	146.26	139.05	132.22
60.0	236.74	211.64	192.76	177.26	165.14	154.40	145.65	137.28	129.76
90.0	241.80	218.70	198.98	182.87	169.67	157.54	146.19	136.52	127.38
120.0	236.51	211.64	192.00	177.19	164.37	154.32	144.96	136.52	128.84
150.0	241.57	215.71	195.14	180.03	166.67	155.70	146.49	138.59	131.84
180.0	234.28	208.96	188.77	172.43	159.54	148.33	139.13	131.07	124.16
210.0	242.11	217.40	196.14	179.95	166.83	156.08	147.18	139.43	133.06
240.0	249.01	223.61	201.44	184.09	170.59	159.54	150.18	141.66	134.21
270.0	249.86	224.30	204.66	188.08	174.27	161.69	150.94	140.43	131.76
300.0	249.01	223.77	201.74	184.17	171.20	159.54	149.87	141.27	133.68
330.0	243.49	217.63	196.45	180.18	167.59	155.93	146.88	139.43	132.37
360.0	238.35	212.95	191.46	175.19	161.46	149.64	139.74	131.99	124.93
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	118.79	113.65	108.51	103.67	97.99	92.32	86.02	79.65	72.44
30.0	126.23	120.40	115.34	110.20	104.52	98.07	90.32	82.65	74.13
60.0	122.32	115.49	109.27	101.91	93.85	84.80	74.90	60.47	45.74
90.0	119.10	110.81	102.52	94.46	85.95	73.98	60.55	49.11	39.60
120.0	121.48	114.49	107.82	101.45	93.16	84.10	74.21	60.09	45.28
150.0	126.16	120.40	114.95	110.12	104.44	97.61	90.24	82.19	73.44
180.0	118.10	112.88	107.66	102.52	97.15	91.16	84.80	77.89	71.14
210.0	127.08	121.71	115.95	111.12	105.67	99.53	91.93	83.87	75.59
240.0	126.16	119.17	112.34	106.05	98.91	90.01	80.04	69.22	54.48
270.0	123.01	114.49	105.82	97.38	88.94	78.66	66.61	53.03	43.59
300.0	125.70	118.56	111.88	105.44	98.45	89.32	80.34	68.60	54.18
330.0	126.62	121.02	115.64	110.73	105.59	99.07	91.70	83.87	75.20
360.0	118.79	113.65	108.51	103.67	97.99	92.32	86.02	79.65	72.44

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## 光强数据表(cd)

附页 第 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	65.07	58.09	50.26	42.74	35.38	27.55	19.41	11.36	3.91
30.0	65.00	55.56	45.20	30.93	17.04	7.29	4.45	3.15	1.76
60.0	35.99	25.94	15.73	11.20	9.21	6.98	6.22	3.99	1.53
90.0	29.54	20.41	15.19	13.28	10.44	9.13	7.67	4.76	1.69
120.0	35.22	25.55	15.81	11.28	8.98	6.83	6.22	4.07	1.53
150.0	64.38	55.48	45.28	30.23	17.19	7.29	4.53	2.99	1.84
180.0	63.77	56.17	48.88	41.67	34.76	27.17	18.80	11.05	3.84
210.0	66.61	56.94	46.58	34.69	19.18	9.29	4.91	3.15	2.30
240.0	41.75	31.85	21.95	13.43	10.67	8.36	6.91	5.60	3.15
270.0	33.69	24.25	16.50	14.20	11.97	9.52	8.90	6.45	3.15
300.0	41.21	31.23	21.10	12.97	10.51	8.13	6.83	5.45	2.99
330.0	66.68	56.71	47.04	33.38	18.03	8.29	4.68	3.22	2.23
360.0	65.07	58.09	50.26	42.74	35.38	27.55	19.41	11.36	3.91
C/γ(°)	90.0								
0.0	0.15								
30.0	0.08								
60.0	0.08								
90.0	0.00								
120.0	0.08								
150.0	0.15								
180.0	0.15								
210.0	0.38								
240.0	0.46								
270.0	0.31								
300.0	0.38								
330.0	0.23								
360.0	0.15								