

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1021A-3-UN (10-OL-3WN-AJ, P1)

报告编号:

电压(V): 202.2000

测试编号: 20210222004

电流(A): 0.0730

光源规格型号: OL

功率(W): 7.1000

每个光源光通量(lm)

功率因数: 0.4850

光源数量: 6

镇流器型号:

发光面长度(mm): 88

发光面宽度(mm): 88

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 628.13

灯具效能(lm/w): 88.47

中心光强(cd): 7059.859

最大光强(cd): 7126.621

最大光强角度: $C=120.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=10.2

[C90/270]Total=10.2

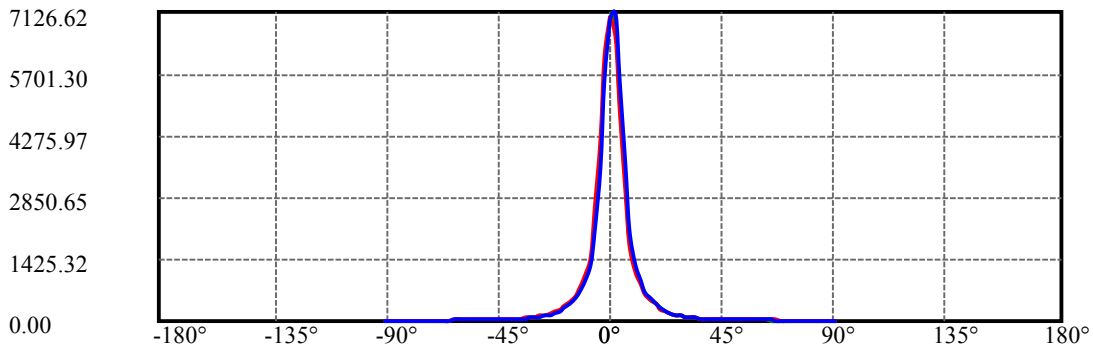
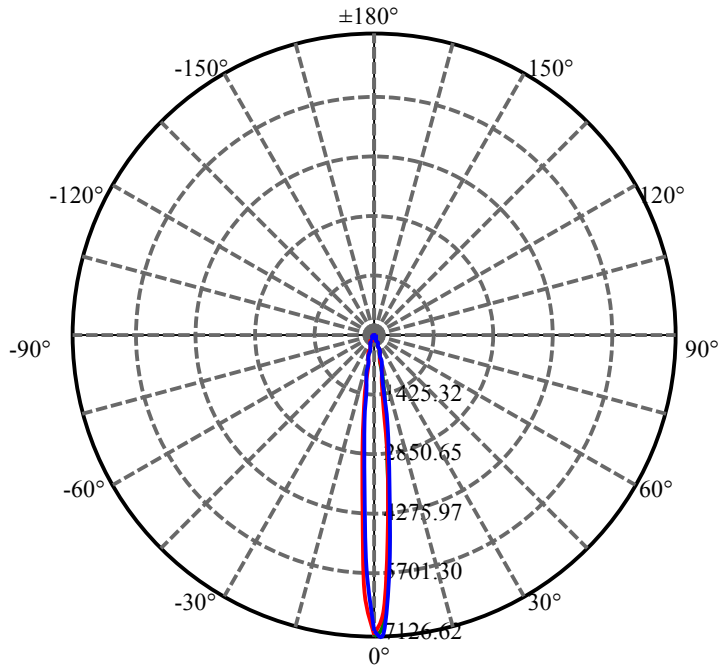
光束扩散角(10%Imax): [C0/180]Total=25.7

[C90/270]Total=25.6

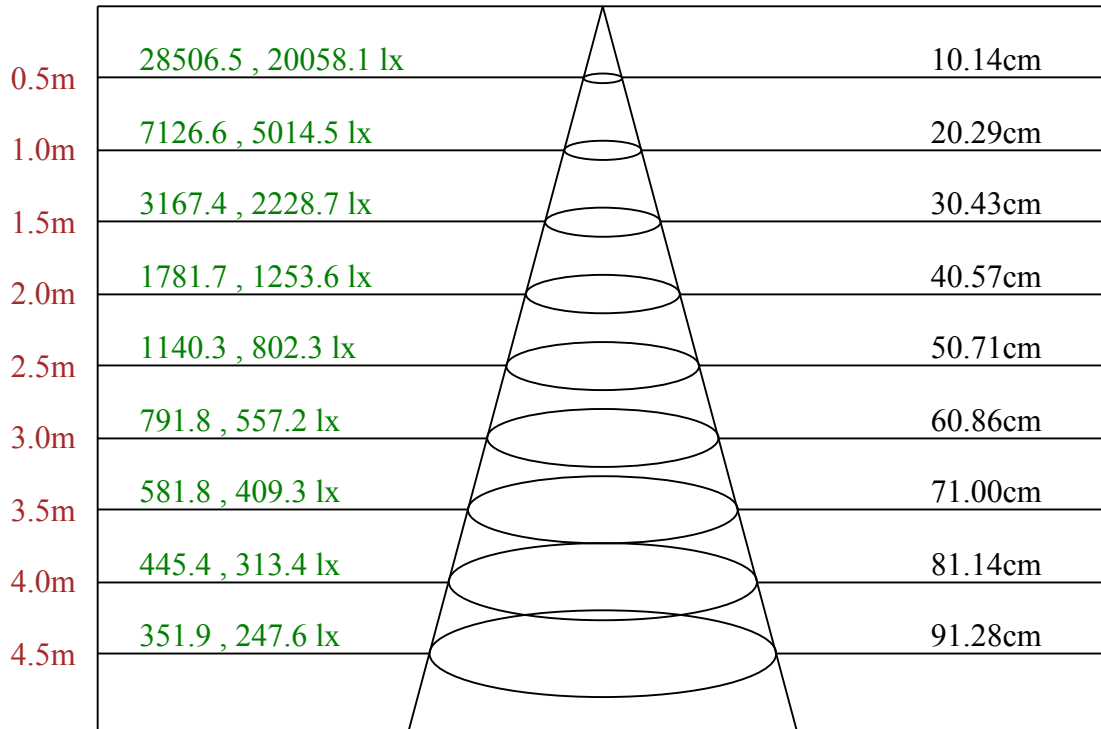
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/22
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

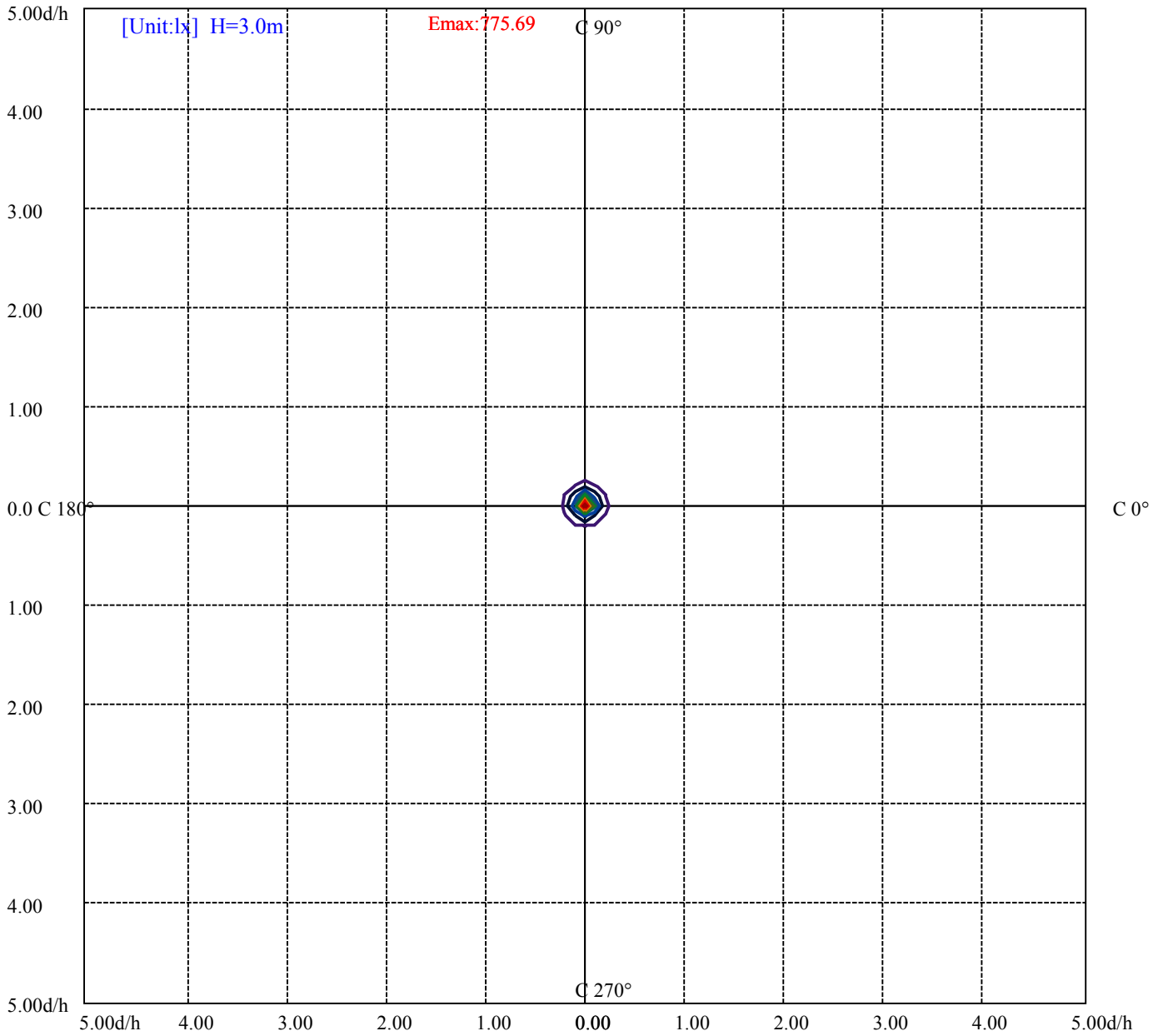


C120(Max): —
C0/C180: —
C90/C270: —



Max , Ave C120面光束角11.58

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平面等照度曲线



- (10%Emax) 77.56878
- (20%Emax) 155.1378
- (30%Emax) 232.7067
- (40%Emax) 310.2755
- (50%Emax) 387.8445
- (60%Emax) 465.4134
- (70%Emax) 542.9811
- (80%Emax) 620.55
- (90%Emax) 698.1189

测试设备: GMS1800
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测试人员: anpeilou
测试距离(m): 8.76

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

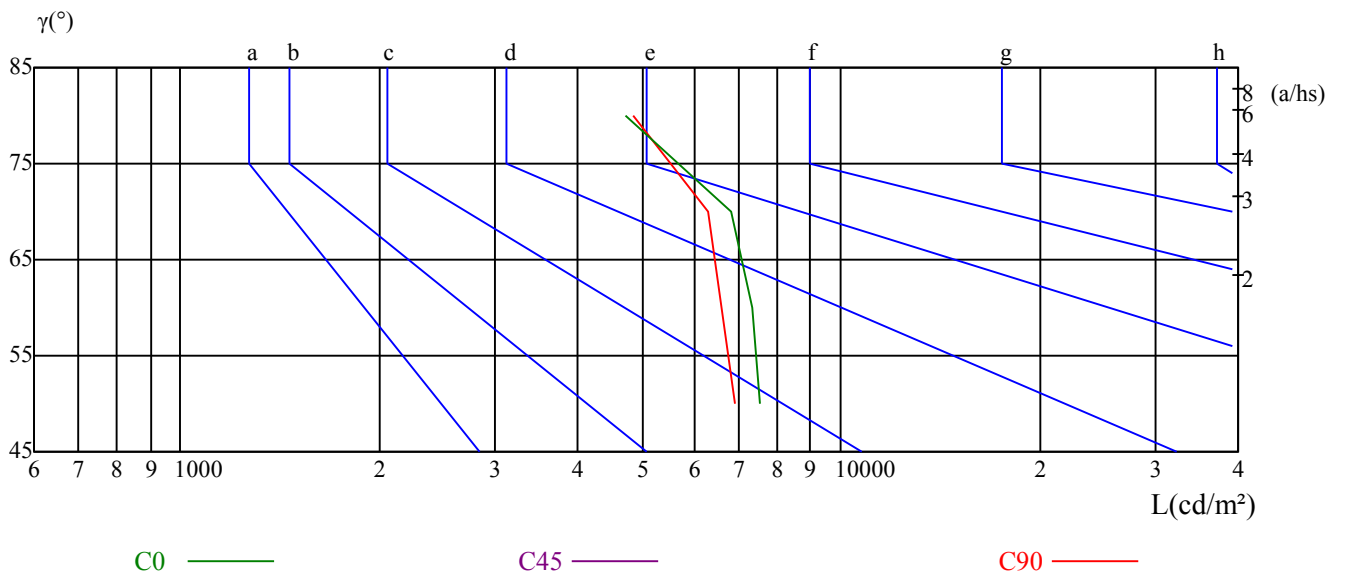
γ	45	50	55	60	65	70	75	80	85
C0	0	7554	0	7333	0	6838	0	4736	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6937	0	6600	0	6316	0	4851	0

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

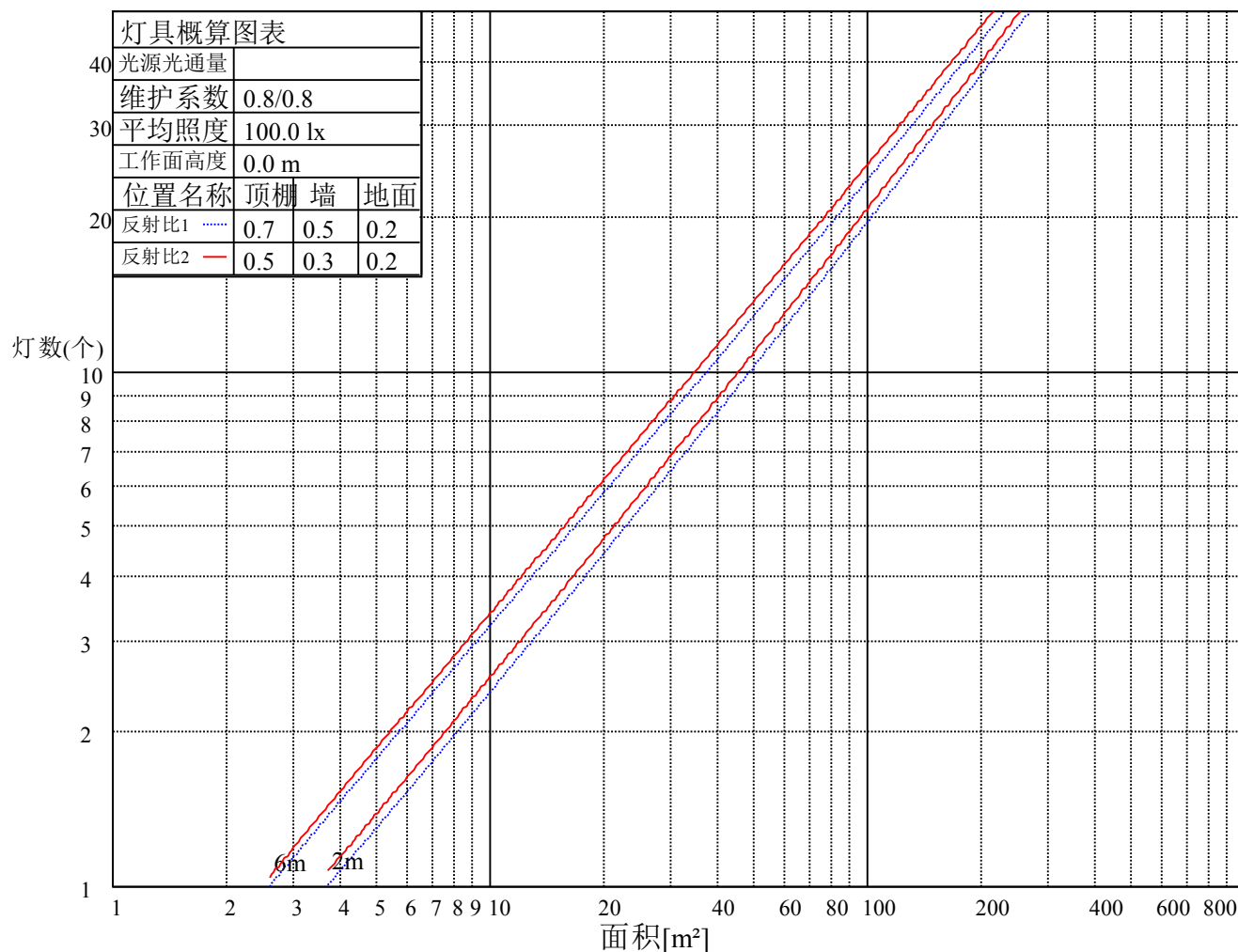
眩光等级表

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



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	16.33	17.41	16.70	17.72	18.04	16.64	17.72	17.00	18.03	18.35
	3H	18.18	19.13	18.56	19.47	19.83	18.36	19.32	18.74	19.65	20.02
	4H	18.81	19.70	19.21	20.05	20.44	18.94	19.83	19.35	20.19	20.57
	6H	19.16	19.97	19.58	20.35	20.74	19.27	20.08	19.68	20.46	20.85
	8H	19.22	19.99	19.66	20.38	20.79	19.32	20.09	19.75	20.48	20.89
	12H	19.26	20.00	19.70	20.38	20.81	19.35	20.08	19.78	20.46	20.89
4H	2H	16.92	17.81	17.33	18.16	18.55	17.16	18.05	17.57	18.40	18.79
	3H	18.97	19.70	19.39	20.11	20.51	19.11	19.84	19.53	20.25	20.65
	4H	19.71	20.36	20.15	20.78	21.23	19.80	20.45	20.24	20.87	21.32
	6H	20.08	20.64	20.55	21.09	21.56	20.14	20.70	20.61	21.15	21.62
	8H	20.16	20.68	20.64	21.13	21.61	20.21	20.73	20.69	21.18	21.66
	12H	20.20	20.65	20.69	21.14	21.62	20.24	20.69	20.73	21.18	21.65
8H	4H	19.93	20.45	20.40	20.90	21.37	20.01	20.53	20.48	20.98	21.45
	6H	20.40	20.81	20.90	21.31	21.80	20.44	20.85	20.95	21.36	21.84
	8H	20.53	20.90	21.06	21.42	21.91	20.55	20.92	21.08	21.44	21.94
	12H	21.11	21.43	21.63	21.93	22.51	21.15	21.47	21.67	21.96	22.54
12H	4H	19.91	20.36	20.40	20.85	21.33	19.99	20.44	20.48	20.93	21.41
	6H	20.75	20.77	20.93	21.24	21.79	20.80	20.81	20.98	21.28	21.83
	8H	20.56	20.88	21.09	21.38	21.96	20.59	20.90	21.11	21.40	21.98
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.2/-0.6					
S = 1.5H	0.8/-0.7					0.8/-0.6					
S = 2.0H	1.1/-0.8					1.1/-0.6					
标准表格	BK3					BK3					
更正系数	0.5					0.7					



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灯具的利用系数表

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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.04	1.01	0.98	1.03	0.99	0.96	0.99	0.97	0.94	0.97	0.94	0.92	0.94	0.92	0.90	0.89
3	0.99	0.94	0.91	0.97	0.93	0.90	0.95	0.91	0.88	0.92	0.90	0.87	0.90	0.88	0.86	0.84
4	0.94	0.89	0.85	0.93	0.88	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.81
5	0.90	0.85	0.81	0.89	0.84	0.81	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.79	0.77
6	0.86	0.81	0.78	0.85	0.81	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.82	0.78	0.76	0.75
7	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.76	0.73	0.72
8	0.80	0.76	0.72	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.70
9	0.78	0.73	0.70	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
10	0.76	0.71	0.68	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67

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光强数据表(cd)

附页 第9页 共10页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	7059.86	6478.96	4855.96	2975.88	1769.57	1171.02	824.93	623.88	470.40
30.0	6917.13	6558.00	5000.99	3155.45	1864.72	1222.43	864.83	640.76	488.05
60.0	7045.28	6713.77	5056.24	3240.63	1913.07	1258.50	883.63	654.03	497.80
90.0	6996.93	7017.65	5524.34	3567.53	2146.35	1333.70	922.39	674.52	515.68
120.0	7126.62	6786.67	5007.13	3180.01	1875.47	1237.09	870.28	645.29	497.87
150.0	7064.46	6639.34	4925.79	3170.80	1867.79	1213.22	854.86	633.09	488.82
180.0	7059.86	6066.11	4207.52	2612.15	1506.90	1058.60	755.71	562.95	435.26
210.0	6917.13	5839.73	3822.30	2334.36	1465.23	1003.88	718.95	540.08	416.92
240.0	7045.28	5803.66	3916.69	2303.66	1464.15	994.52	714.43	534.86	409.01
270.0	6996.93	5512.83	3555.25	2059.64	1321.88	915.94	679.97	515.91	393.89
300.0	7126.62	5896.52	3974.24	2301.36	1425.78	1002.19	733.61	556.35	426.66
330.0	7064.46	5921.07	4044.07	2361.22	1473.29	1025.44	749.19	577.68	435.33
360.0	7059.86	6478.96	4855.96	2975.88	1769.57	1171.02	824.93	623.88	470.40
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	390.59	284.39	226.22	179.18	145.42	121.09	100.83	86.18	74.67
30.0	391.36	295.67	233.82	185.70	149.41	123.24	101.75	87.02	74.67
60.0	381.92	298.66	233.59	186.47	149.41	122.09	101.37	85.72	74.36
90.0	395.97	309.87	241.11	190.92	153.09	126.23	105.13	88.56	76.35
120.0	382.69	295.44	231.21	185.01	148.64	121.55	102.21	86.41	74.59
150.0	390.59	291.68	228.37	183.86	148.03	122.47	102.14	86.56	74.59
180.0	332.35	262.75	208.04	169.13	137.97	114.65	97.69	83.49	72.67
210.0	320.38	251.85	199.29	161.84	132.76	110.96	93.31	79.81	69.29
240.0	318.46	249.40	200.21	160.00	131.37	109.50	92.24	79.19	69.22
270.0	307.03	240.73	192.61	152.63	126.46	104.98	88.32	76.35	66.07
300.0	332.20	258.99	206.12	163.53	132.76	109.58	92.32	79.19	68.68
330.0	338.41	263.67	208.80	165.37	134.37	111.42	93.31	80.04	69.52
360.0	390.59	284.39	226.22	179.18	145.42	121.09	100.83	86.18	74.67
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	65.99	59.24	53.72	49.34	45.51	42.36	39.60	37.60	35.61
30.0	65.69	58.40	52.49	47.88	43.74	40.29	37.45	35.15	33.00
60.0	65.15	58.24	52.49	47.65	43.82	40.29	37.52	34.99	32.92
90.0	66.22	58.32	52.10	47.42	43.28	39.90	36.91	34.53	32.38
120.0	64.77	57.86	52.18	47.73	43.74	40.21	37.37	34.92	32.77
150.0	65.61	58.17	52.41	47.73	43.66	40.21	37.37	35.15	32.92
180.0	64.31	57.94	52.64	48.27	44.43	41.21	38.52	36.30	34.15
210.0	61.54	55.17	49.80	45.51	41.90	38.83	36.07	33.99	31.77
240.0	60.62	54.25	49.34	44.81	41.21	38.14	35.68	33.53	31.54
270.0	58.40	52.18	46.96	42.97	39.52	36.68	34.30	32.46	30.70
300.0	60.70	54.48	49.27	44.74	41.44	38.29	35.84	33.61	31.62
330.0	61.77	55.40	49.96	45.74	42.05	38.98	36.37	34.30	32.23
360.0	65.99	59.24	53.72	49.34	45.51	42.36	39.60	37.60	35.61
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	33.69	32.00	30.31	28.39	26.78	25.02	22.79	20.49	18.11
30.0	31.16	29.31	27.55	25.71	24.02	22.41	20.72	18.95	17.11
60.0	30.93	29.08	27.24	25.63	23.87	22.18	20.49	18.80	17.04
90.0	30.62	28.93	27.17	25.55	23.87	22.18	20.57	18.72	16.73
120.0	30.85	28.93	27.17	25.25	23.56	22.02	20.18	18.49	16.81
150.0	30.93	29.16	27.32	25.55	23.71	22.10	20.34	18.65	16.73
180.0	32.23	30.54	28.47	25.63	22.94	20.41	18.26	15.65	12.82
210.0	30.00	28.24	26.32	24.63	23.02	21.26	19.26	17.50	15.58
240.0	29.62	27.93	26.09	24.25	22.71	20.87	19.26	17.42	15.58
270.0	29.08	27.40	25.71	24.10	22.33	20.57	18.80	16.96	14.96
300.0	29.77	28.01	26.32	24.56	23.02	21.26	19.49	17.73	15.88
330.0	30.39	28.70	26.86	25.17	23.48	21.72	19.95	18.11	16.19
360.0	33.69	32.00	30.31	28.39	26.78	25.02	22.79	20.49	18.11

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光强数据表(cd)

附页 第 10页 共10页

C/ γ ($^{\circ}$)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	15.58	13.28	11.05	8.36	6.37	4.22	2.53	0.69	0.23
30.0	15.04	12.66	10.51	8.44	6.29	4.07	2.23	0.69	0.15
60.0	15.04	12.97	10.74	8.29	6.22	4.30	2.76	0.84	0.15
90.0	14.89	12.82	10.59	8.67	6.52	4.45	2.61	1.23	0.15
120.0	14.73	12.74	10.67	8.36	6.06	4.22	2.46	0.54	0.08
150.0	14.66	12.51	10.28	8.21	4.83	0.61	1.23	0.38	0.08
180.0	11.05	10.13	7.67	5.91	4.37	2.99	1.07	0.15	0.15
210.0	13.35	11.28	9.06	6.98	4.83	2.84	1.53	0.23	0.08
240.0	13.35	11.43	8.98	6.83	4.91	3.15	1.23	0.23	0.08
270.0	12.74	10.67	8.59	6.52	4.37	2.61	1.07	0.15	0.00
300.0	13.74	11.74	9.44	7.21	5.22	3.45	1.53	0.23	0.08
330.0	14.04	11.59	9.59	7.37	5.37	3.45	1.76	0.31	0.15
360.0	15.58	13.28	11.05	8.36	6.37	4.22	2.53	0.69	0.23
C/ γ ($^{\circ}$)	90.0								
0.0	0.08								
30.0	0.00								
60.0	0.08								
90.0	0.00								
120.0	0.08								
150.0	0.00								
180.0	0.00								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	0.08								