

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1123A-5-24DC-RC-Y(12-XL-5RGBWN-AJ, CT)

报告编号:

电压(V): 23.4000

测试编号: 20210413002

电流(A): 0.8960

光源规格型号: XL

功率(W): 21.0000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 5

镇流器型号:

发光面长度(mm): 112

发光面宽度(mm): 112

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1124.70

灯具效能(lm/w): 53.56

中心光强(cd): 12681.660

最大光强(cd): 12687.030

最大光强角度: C=60.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=13.7

[C90/270]Total=13.8

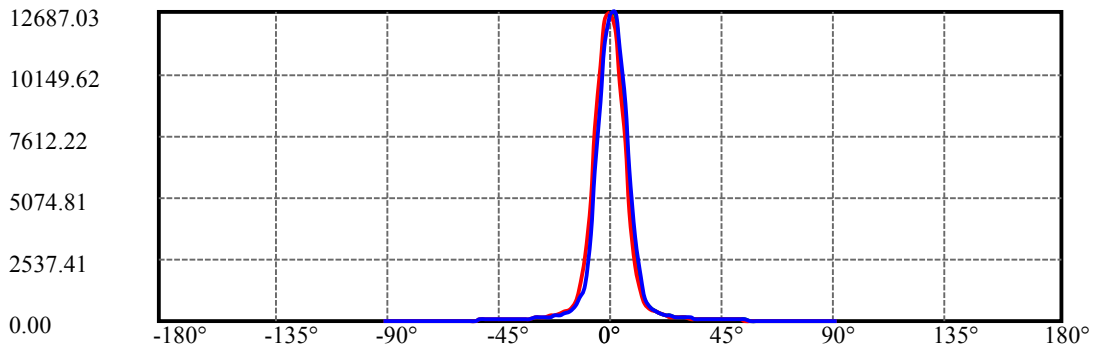
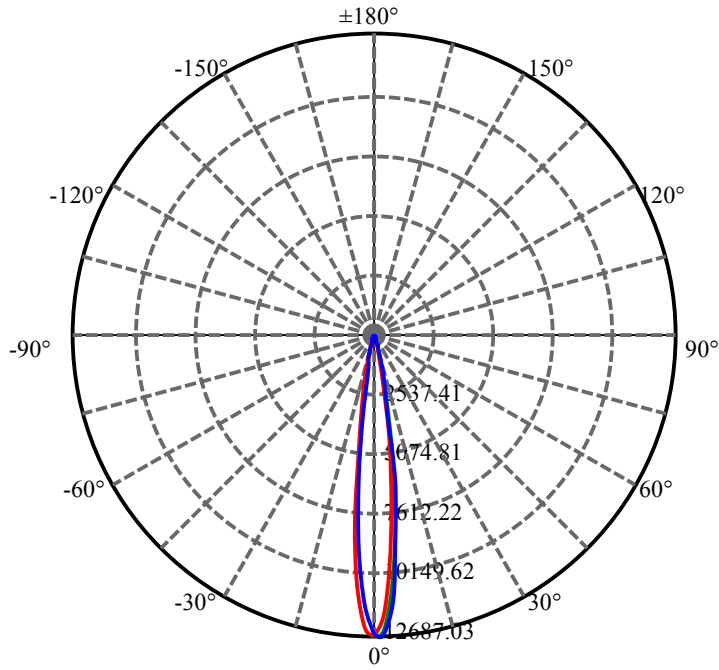
光束扩散角(10%Imax): [C0/180]Total=24.2

[C90/270]Total=24.3

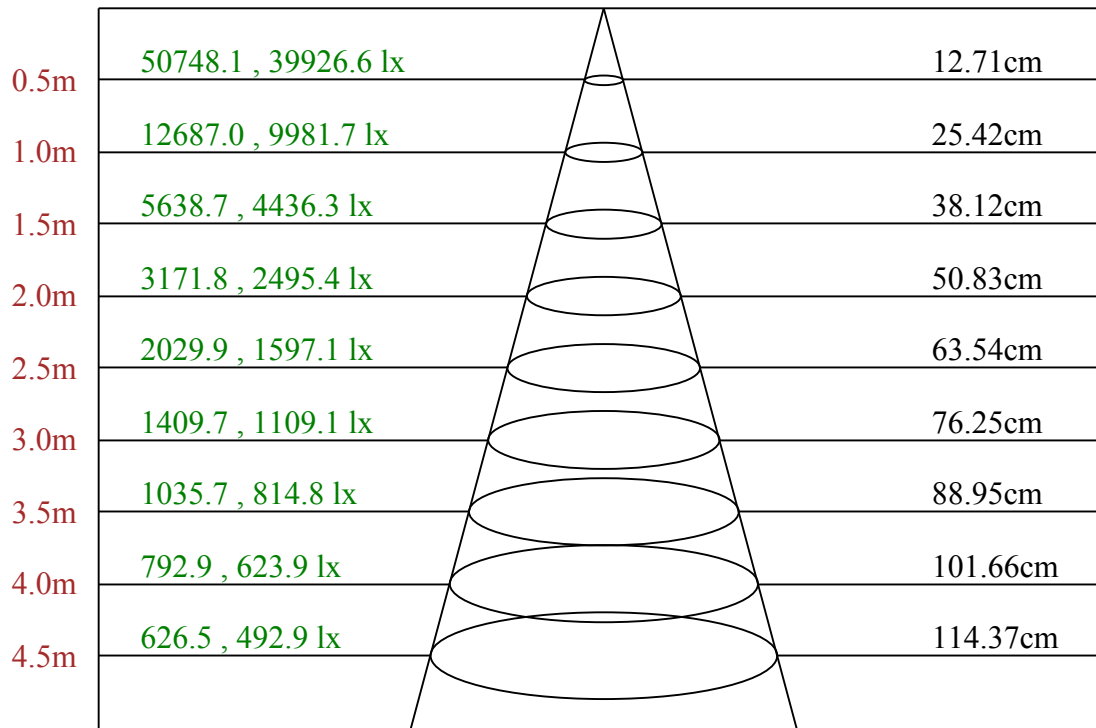
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/13
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

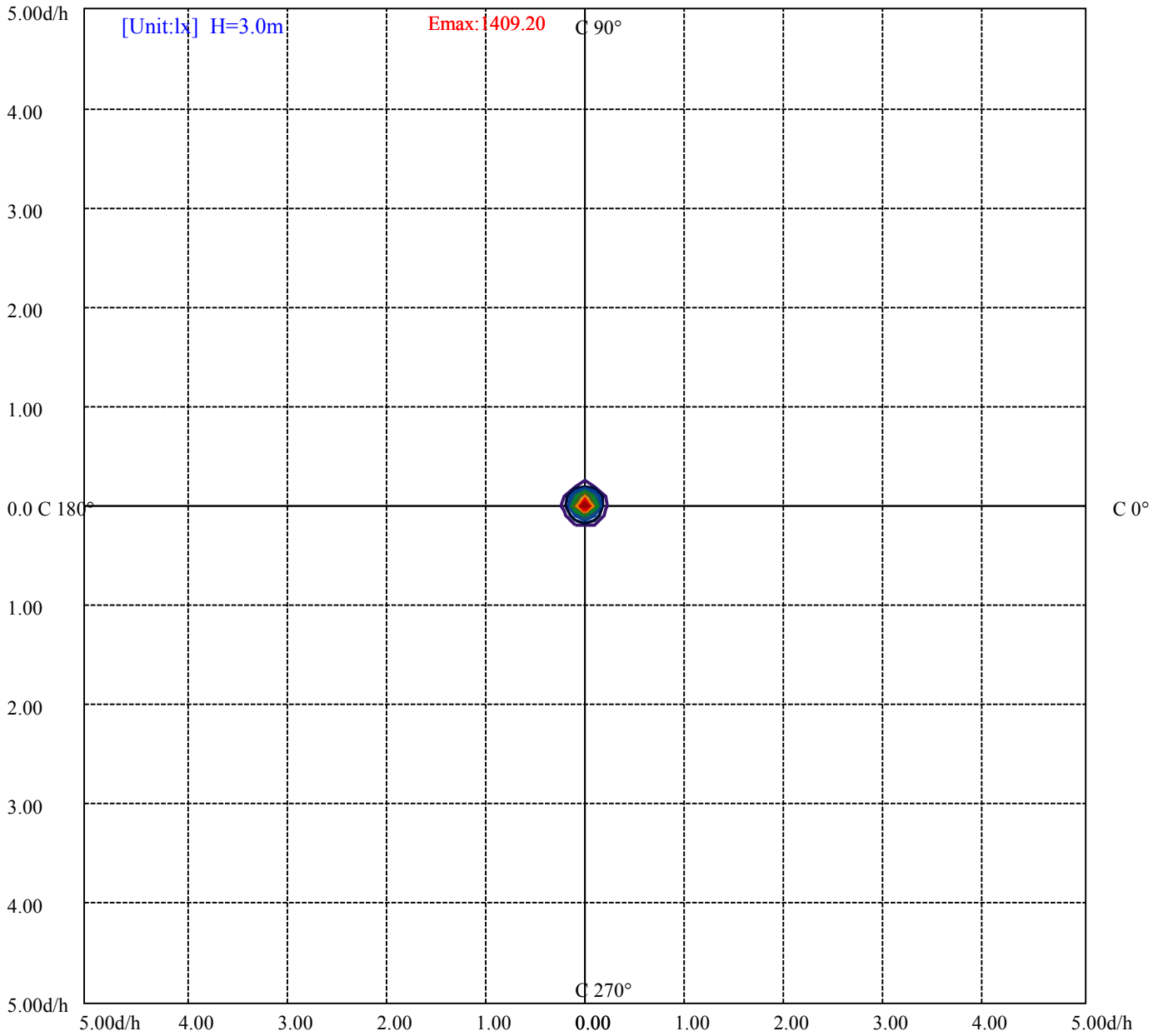


C60(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C60面光束角14.48

ROLED 投光灯
平面等照度曲线



- (10%Emax) 140.92
- (20%Emax) 281.84
- (30%Emax) 422.76
- (40%Emax) 563.68
- (50%Emax) 704.5989
- (60%Emax) 845.5189
- (70%Emax) 986.4389
- (80%Emax) 1127.356
- (90%Emax) 1268.278

测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/13
环境湿度(%): 60.0%

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

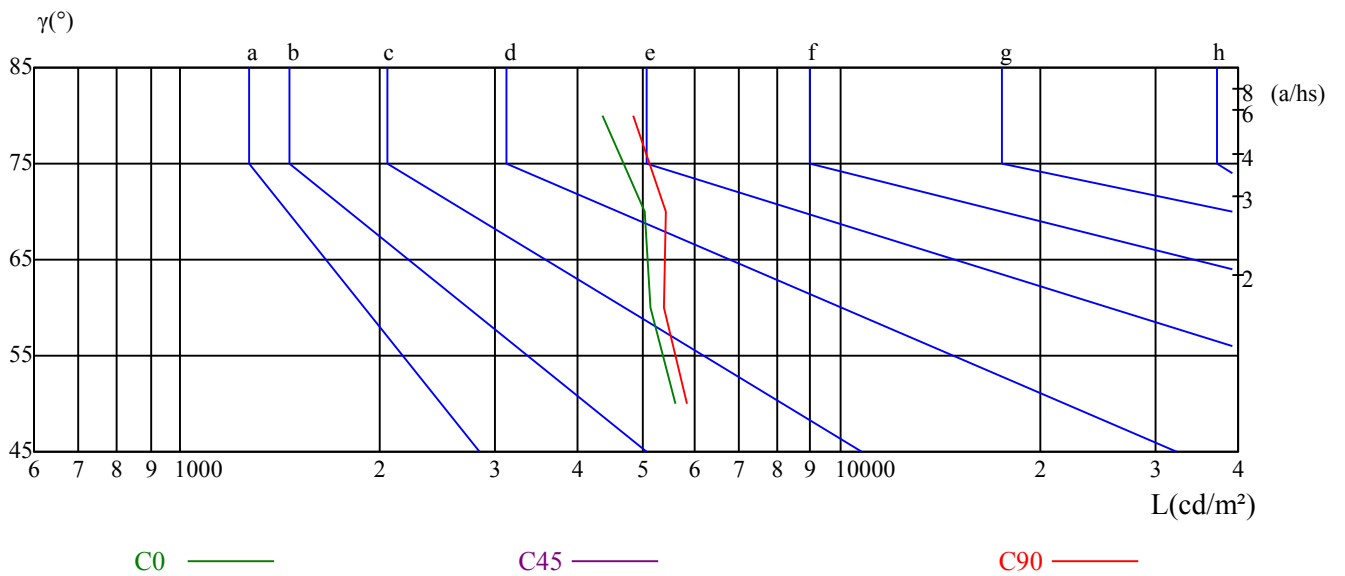
γ	45	50	55	60	65	70	75	80	85
C0	0	5606	0	5163	0	5062	0	4368	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5853	0	5383	0	5437	0	4862	0

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

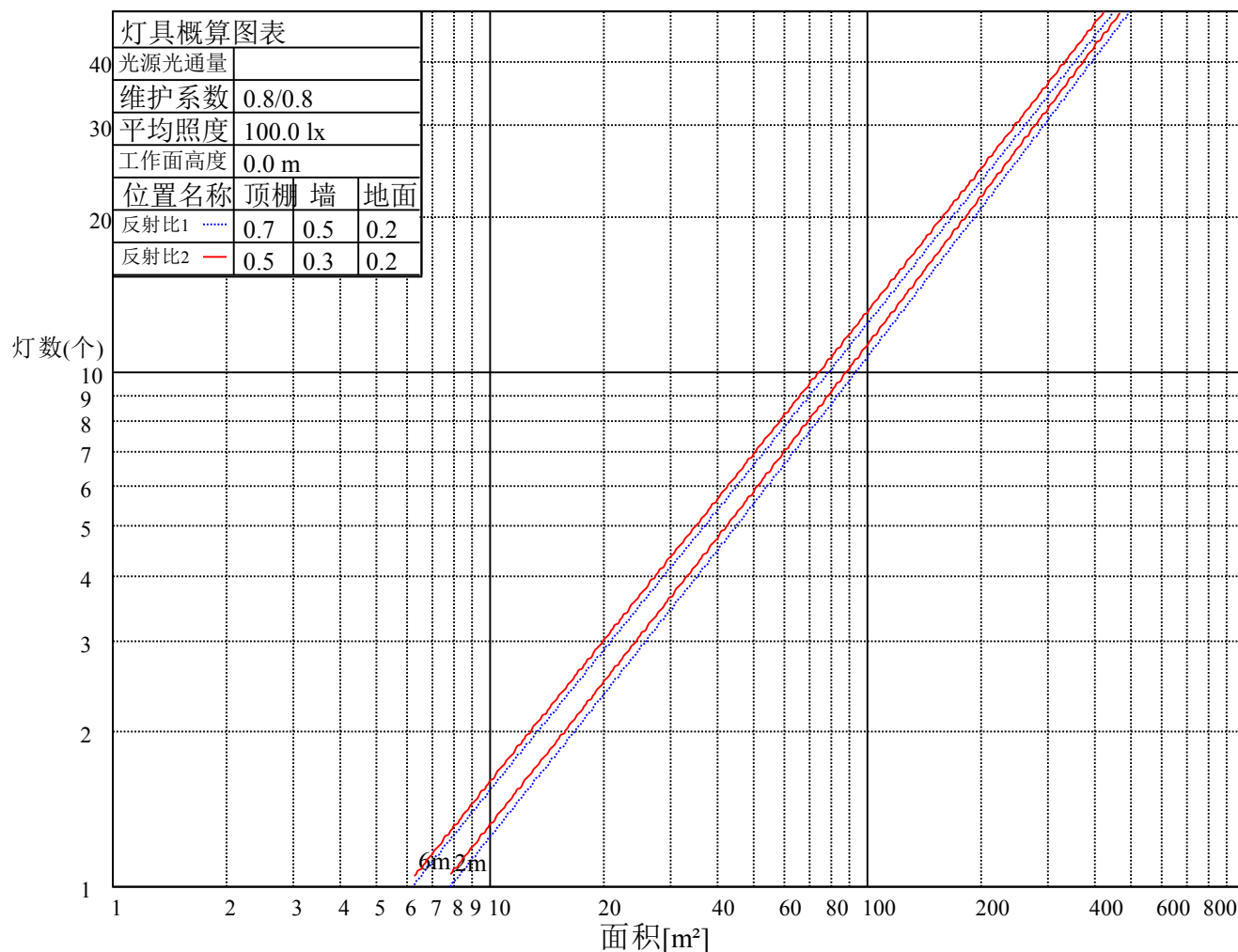
亮度限制曲线



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	12.56	13.59	12.93	13.90	14.22	12.53	13.56	12.90	13.87	14.19
	3H	14.53	15.44	14.91	15.77	16.14	14.49	15.40	14.87	15.73	16.10
	4H	15.28	16.13	15.69	16.48	16.87	15.24	16.09	15.65	16.44	16.83
	6H	15.80	16.57	16.22	16.95	17.35	15.77	16.54	16.19	16.91	17.31
	8H	15.95	16.67	16.38	17.07	17.48	15.92	16.64	16.35	17.04	17.44
	12H	16.10	16.79	16.53	17.18	17.61	16.07	16.76	16.50	17.15	17.58
4H	2H	13.15	13.99	13.56	14.35	14.74	13.13	13.97	13.53	14.33	14.71
	3H	15.32	16.02	15.74	16.42	16.83	15.29	15.99	15.71	16.39	16.80
	4H	16.19	16.81	16.63	17.24	17.68	16.16	16.78	16.60	17.20	17.65
	6H	16.72	17.25	17.19	17.70	18.17	16.69	17.22	17.16	17.67	18.15
	8H	16.91	17.40	17.38	17.85	18.33	16.88	17.38	17.36	17.83	18.30
	12H	17.07	17.49	17.56	17.98	18.46	17.04	17.47	17.54	17.96	18.44
8H	4H	16.46	16.95	16.93	17.40	17.88	16.43	16.93	16.91	17.38	17.85
	6H	17.13	17.52	17.64	18.03	18.51	17.11	17.50	17.62	18.00	18.49
	8H	17.40	17.74	17.93	18.27	18.76	17.38	17.73	17.91	18.25	18.74
	12H	18.03	18.33	18.55	18.83	19.41	18.01	18.31	18.54	18.81	19.39
12H	4H	16.46	16.89	16.95	17.38	17.86	16.44	16.86	16.93	17.35	17.83
	6H	17.48	17.52	17.71	17.99	18.54	17.46	17.50	17.69	17.97	18.52
	8H	17.49	17.79	18.01	18.28	18.86	17.47	17.77	17.99	18.27	18.85
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.6					0.3/-0.6					
S = 1.5H	0.7/-0.7					0.8/-0.7					
S = 2.0H	0.9/-0.7					0.9/-0.8					
标准表格	BKBF					BK4					
更正系数	2.5					-0.6					

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灯具的概算曲线



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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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.95
2	1.06	1.03	1.00	1.05	1.02	0.99	1.01	0.99	0.97	0.99	0.97	0.95	0.96	0.94	0.93	0.92
3	1.02	0.98	0.95	1.00	0.97	0.94	0.98	0.95	0.92	0.95	0.93	0.91	0.93	0.91	0.90	0.88
4	0.98	0.93	0.90	0.96	0.93	0.90	0.94	0.91	0.89	0.93	0.90	0.88	0.91	0.89	0.87	0.85
5	0.94	0.90	0.87	0.93	0.89	0.86	0.92	0.88	0.86	0.90	0.87	0.85	0.89	0.86	0.84	0.83
6	0.91	0.87	0.84	0.91	0.87	0.84	0.89	0.86	0.83	0.88	0.85	0.83	0.87	0.84	0.82	0.81
7	0.89	0.85	0.82	0.88	0.84	0.81	0.87	0.84	0.81	0.86	0.83	0.81	0.85	0.82	0.80	0.79
8	0.87	0.83	0.80	0.86	0.82	0.80	0.85	0.82	0.79	0.84	0.81	0.79	0.84	0.81	0.79	0.78
9	0.85	0.81	0.78	0.84	0.81	0.78	0.84	0.80	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.76
10	0.83	0.79	0.77	0.83	0.79	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.81	0.78	0.76	0.75

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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	12681.66	11819.13	9807.07	7296.98	4500.66	2316.71	1194.04	706.75	465.80
30.0	12678.59	12423.05	10982.69	8575.43	5756.09	3202.26	1624.53	914.71	566.32
60.0	12687.03	12419.98	10826.91	8409.67	5532.01	3118.62	1504.75	899.59	559.57
90.0	12596.48	12587.27	11202.15	8884.68	6195.03	3486.19	1793.36	955.38	585.51
120.0	12684.73	12426.12	10903.65	8496.39	5733.83	3110.94	1508.43	840.81	545.07
150.0	12596.48	11296.54	8972.16	6131.33	3559.09	1518.02	980.02	880.95	550.98
180.0	12681.66	12255.76	10478.52	7857.16	4933.46	2695.79	1370.46	784.87	506.24
210.0	12678.59	11641.86	9414.17	6722.98	3791.60	1771.87	1042.48	621.50	439.63
240.0	12687.03	11647.23	9447.17	6774.40	4000.33	1995.94	1039.79	638.46	438.17
270.0	12596.48	11296.54	8972.16	6131.33	3559.09	1518.02	980.02	880.95	550.98
300.0	12684.73	11552.08	9339.73	6700.73	3965.80	2062.71	1068.95	637.69	435.87
330.0	12596.48	11343.35	9233.84	6492.00	3878.32	1737.34	1030.43	613.90	431.42
360.0	12681.66	11819.13	9807.07	7296.98	4500.66	2316.71	1194.04	706.75	465.80
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	389.06	283.78	230.52	191.77	164.83	142.35	124.16	109.89	96.84
30.0	408.24	317.31	256.23	210.26	178.34	153.55	133.45	117.56	103.60
60.0	401.18	313.17	255.38	210.11	176.50	153.17	133.68	116.79	102.83
90.0	414.38	326.06	262.75	215.02	181.41	155.39	136.13	118.71	104.67
120.0	395.89	310.63	253.77	208.27	174.50	151.10	131.60	115.11	101.60
150.0	402.11	314.55	254.08	209.88	175.42	150.71	132.22	115.57	101.98
180.0	373.25	297.74	238.50	198.44	167.29	145.42	127.00	111.27	98.84
210.0	337.42	272.96	221.69	184.55	158.69	137.74	120.48	106.51	94.16
240.0	339.87	272.57	221.08	185.70	157.54	137.44	120.25	106.74	94.39
270.0	325.21	263.98	215.63	180.41	155.78	135.75	119.25	104.82	93.70
300.0	334.73	272.42	221.54	186.40	159.69	138.28	120.86	107.20	94.77
330.0	331.43	266.43	220.08	184.17	158.77	136.98	120.48	105.97	94.39
360.0	389.06	283.78	230.52	191.77	164.83	142.35	124.16	109.89	96.84
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	86.25	77.27	69.91	63.16	57.71	53.03	49.04	45.20	41.98
30.0	92.32	82.49	74.36	66.84	60.70	55.48	51.18	47.19	43.51
60.0	91.85	81.96	74.21	66.76	60.32	55.02	50.88	46.81	43.20
90.0	92.85	83.34	75.13	67.76	61.47	55.94	51.34	47.19	43.59
120.0	90.70	80.96	73.05	66.22	59.86	54.48	50.19	46.27	42.59
150.0	90.55	81.03	72.82	65.53	59.78	54.41	50.34	46.20	42.67
180.0	88.02	78.73	70.91	64.23	58.01	53.26	49.11	45.20	41.75
210.0	84.10	75.28	67.76	61.62	55.94	51.80	47.88	44.28	41.52
240.0	84.03	75.66	68.07	61.85	56.48	52.26	48.11	44.35	41.13
270.0	83.49	74.67	67.53	61.08	55.71	51.18	47.42	43.51	40.82
300.0	84.80	76.35	68.45	61.93	56.40	52.10	47.96	44.43	41.28
330.0	84.18	75.59	68.22	61.85	56.17	51.80	47.88	44.05	41.05
360.0	86.25	77.27	69.91	63.16	57.71	53.03	49.04	45.20	41.98
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	39.21	36.83	34.61	32.38	30.31	28.24	26.24	23.94	21.72
30.0	40.67	38.22	36.07	33.76	31.77	29.77	27.63	25.32	23.10
60.0	40.52	38.14	35.91	33.53	31.62	29.54	27.47	25.32	22.94
90.0	40.59	38.22	36.07	33.76	31.77	29.70	27.63	25.48	23.33
120.0	39.83	37.45	35.22	32.92	30.93	28.93	26.86	24.79	22.56
150.0	39.60	37.37	35.15	32.84	30.93	28.85	26.78	24.71	22.56
180.0	39.06	36.91	34.61	32.54	30.62	28.55	26.55	24.48	22.18
210.0	38.91	36.45	34.22	31.92	29.93	27.86	25.71	23.48	21.33
240.0	38.75	36.37	34.07	32.08	30.08	28.09	25.94	23.79	21.49
270.0	38.45	35.99	33.99	31.85	29.70	27.70	25.55	23.25	20.95
300.0	38.98	36.68	34.15	32.15	30.00	28.01	25.86	23.56	21.33
330.0	38.68	36.37	34.07	32.00	30.00	27.78	25.78	23.56	21.26
360.0	39.21	36.83	34.61	32.38	30.31	28.24	26.24	23.94	21.72

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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	19.41	16.88	14.43	12.05	9.52	6.68	4.07	2.07	0.08
30.0	20.87	18.26	15.58	12.74	10.13	7.67	5.37	3.30	0.92
60.0	20.80	18.03	15.65	13.20	10.82	8.13	5.29	2.92	1.23
90.0	21.03	18.57	16.11	13.35	10.59	7.98	5.60	3.45	1.23
120.0	20.34	17.80	15.35	12.74	10.05	7.67	5.22	2.92	1.07
150.0	20.18	17.73	15.35	12.89	10.59	7.75	5.29	2.84	1.15
180.0	19.95	17.50	14.81	11.97	9.44	7.21	4.83	2.76	0.77
210.0	18.88	16.35	13.81	11.59	9.06	6.29	3.68	1.69	0.00
240.0	19.26	16.58	13.74	11.20	8.59	6.14	3.91	1.61	0.15
270.0	18.65	16.04	13.51	11.05	8.36	5.76	3.30	1.46	0.08
300.0	19.03	16.35	13.74	11.13	8.52	6.06	3.84	1.69	0.08
330.0	18.88	16.27	13.51	10.82	8.44	5.99	3.76	1.69	0.08
360.0	19.41	16.88	14.43	12.05	9.52	6.68	4.07	2.07	0.08

C/γ(°)	90.0
0.0	0.00
30.0	0.00
60.0	0.00
90.0	0.08
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	0.00