

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1012A-12-UN (15-OL-12WN-AJ, CT)

报告编号:

电压(V): 220.4000

测试编号: 20210416004

电流(A): 0.1220

光源规格型号: OL

功率(W): 14.1000

每个光源光通量(lm)

功率因数: 0.5220

光源数量: 12

镇流器型号:

发光面长度(mm): 131

发光面宽度(mm): 131

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1316.63

灯具效能(lm/w): 93.38

中心光强(cd): 10080.250

最大光强(cd): 10129.360

最大光强角度: C=90.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=14.7

[C90/270]Total=14.9

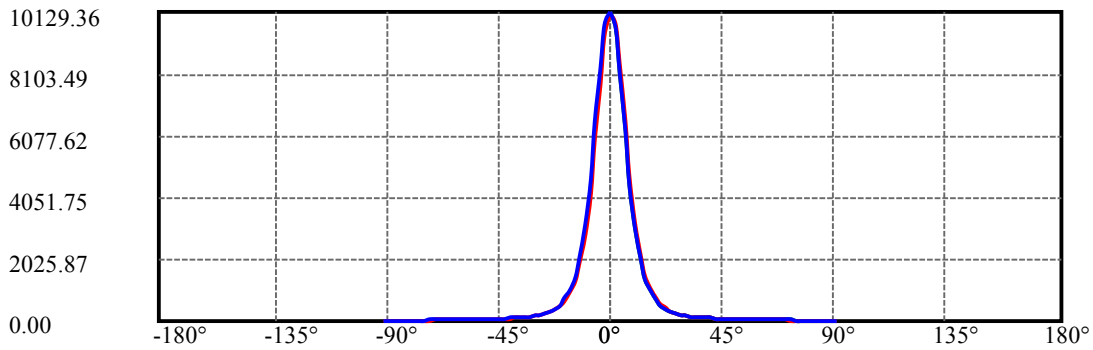
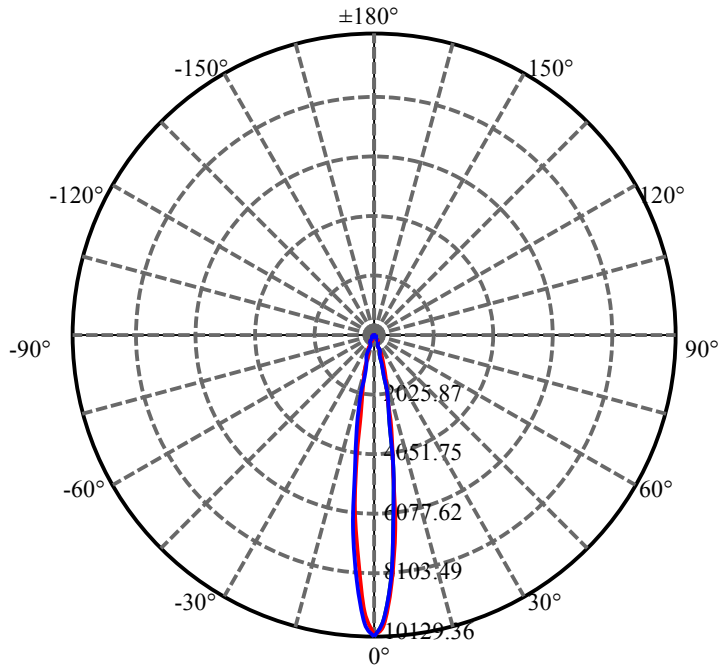
光束扩散角(10%Imax): [C0/180]Total=32.0

[C90/270]Total=32.0

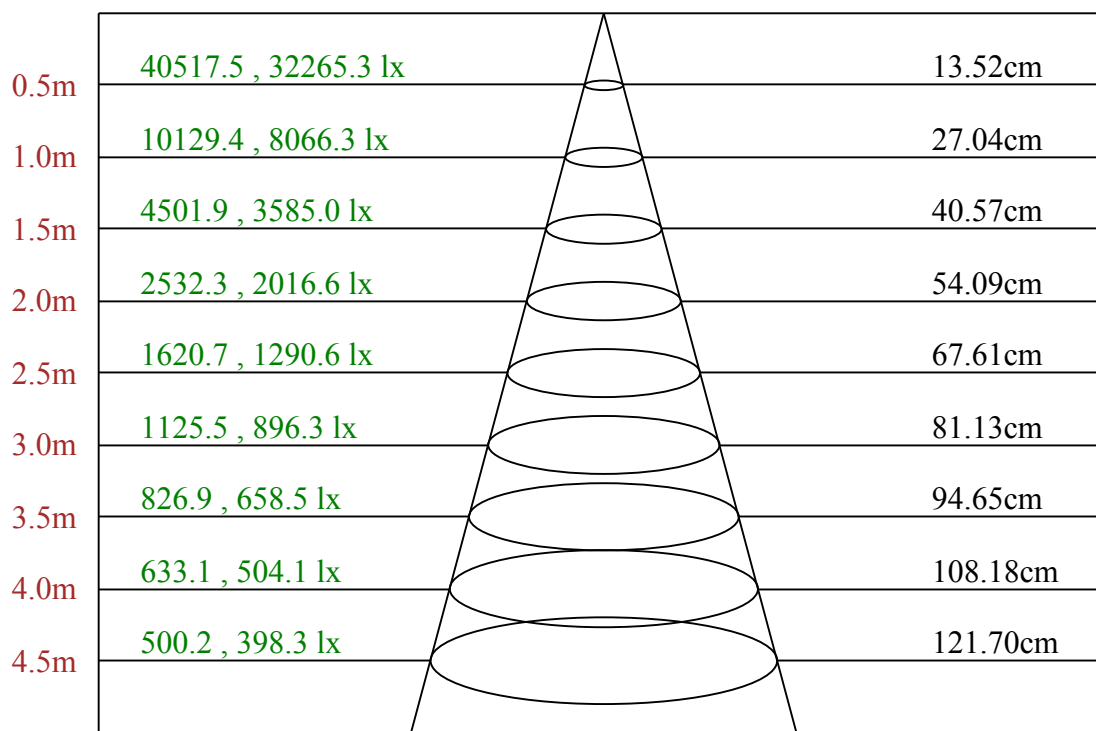
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/16
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

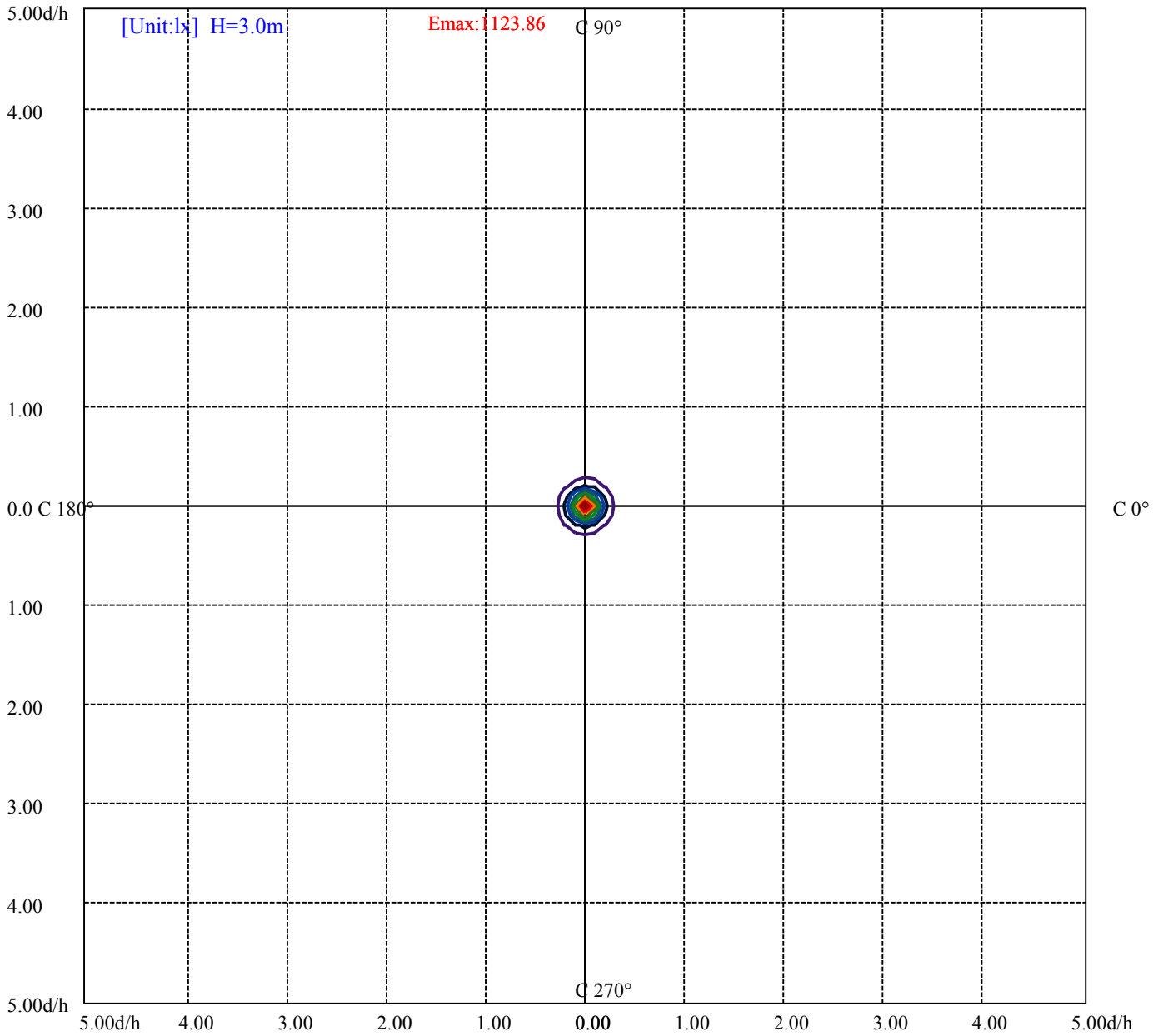


C90(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C90面光束角15.40

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平面等照度曲线



- (10%Emax) 112.3856
- (20%Emax) 224.7722
- (30%Emax) 337.1578
- (40%Emax) 449.5444
- (50%Emax) 561.93
- (60%Emax) 674.3167
- (70%Emax) 786.7022
- (80%Emax) 899.0889
- (90%Emax) 1011.474

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

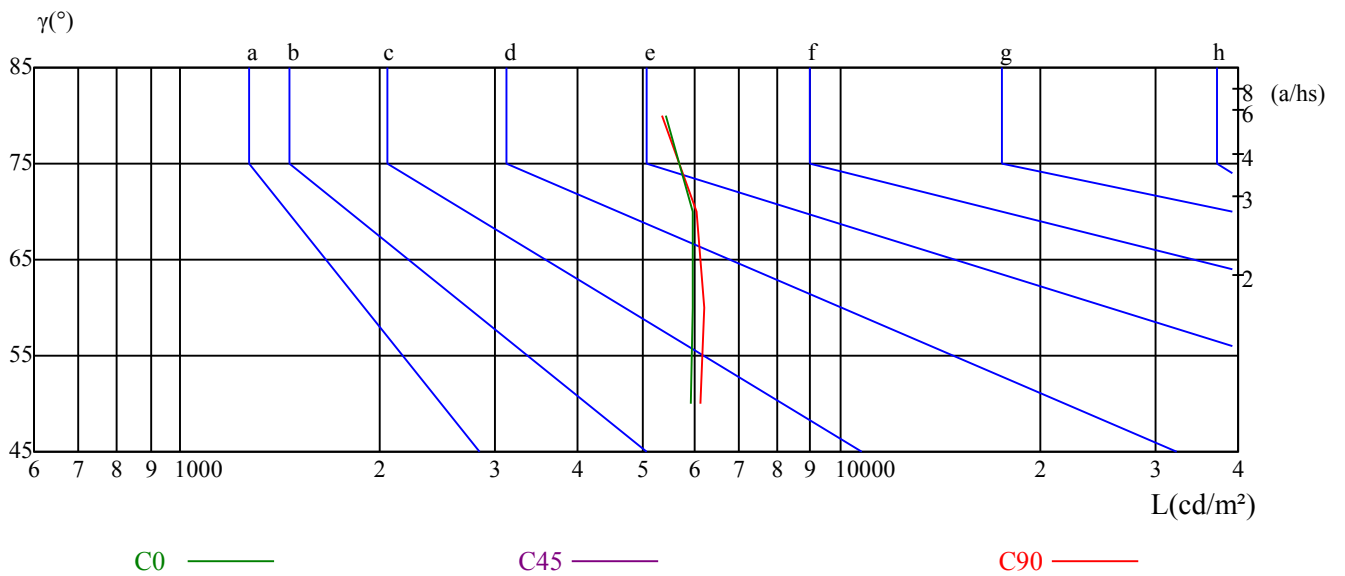
γ	45	50	55	60	65	70	75	80	85
C0	0	5920	0	5974	0	5988	0	5433	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6129	0	6198	0	6053	0	5356	0

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

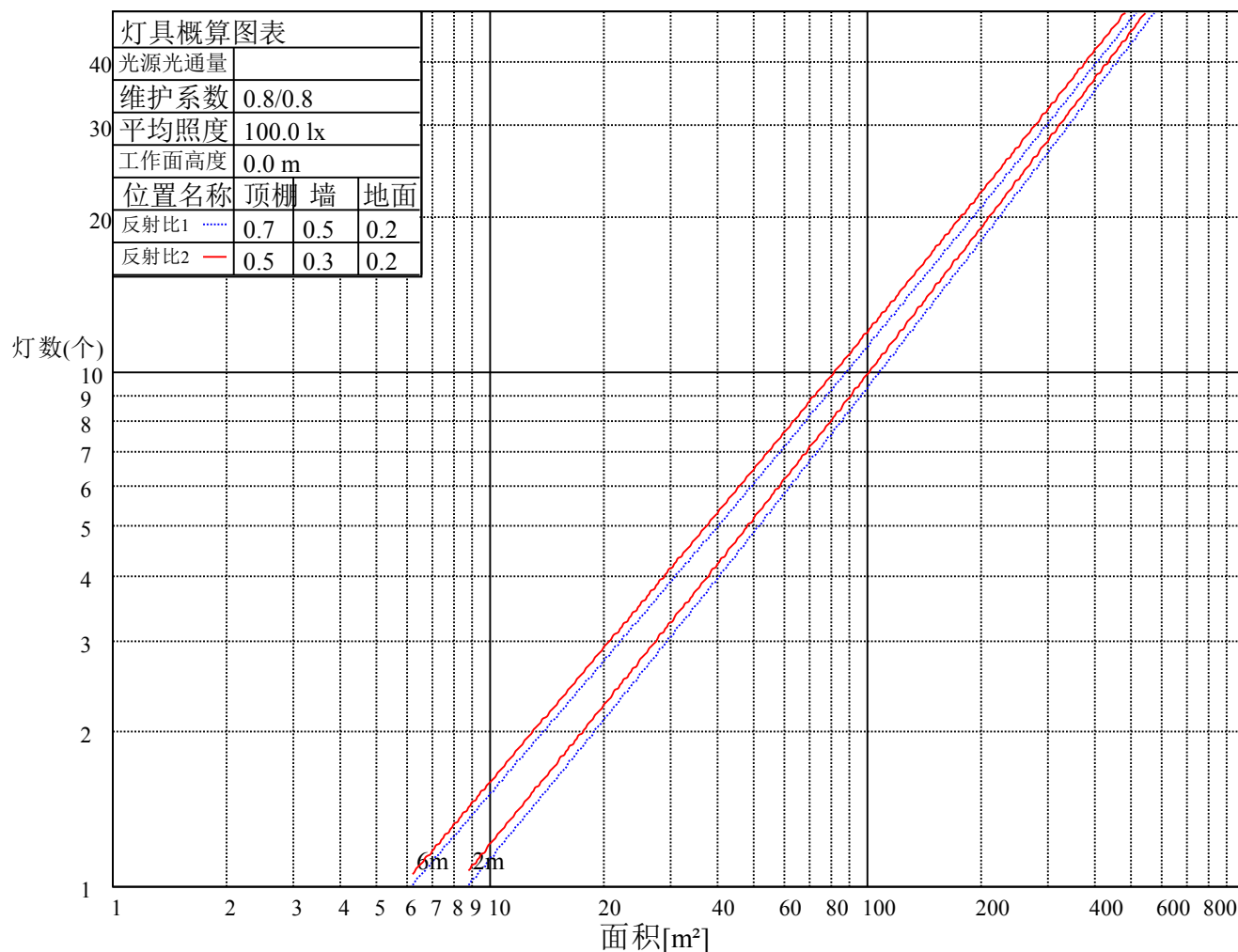
亮度限制曲线



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	13.45	14.54	13.82	14.85	15.16	13.26	14.34	13.62	14.65	14.97
	3H	15.52	16.48	15.90	16.82	17.18	15.30	16.26	15.68	16.59	16.96
	4H	16.30	17.19	16.70	17.54	17.93	16.07	16.97	16.48	17.32	17.71
	6H	16.86	17.68	17.28	18.06	18.45	16.64	17.46	17.06	17.83	18.23
	8H	17.04	17.81	17.47	18.20	18.61	16.81	17.58	17.24	17.97	18.38
	12H	17.23	17.97	17.67	18.36	18.79	16.98	17.72	17.42	18.11	18.54
4H	2H	14.07	14.96	14.48	15.32	15.71	13.92	14.82	14.33	15.17	15.56
	3H	16.34	17.08	16.75	17.48	17.89	16.16	16.90	16.57	17.30	17.71
	4H	17.24	17.90	17.67	18.32	18.77	17.06	17.72	17.49	18.14	18.59
	6H	17.81	18.38	18.28	18.82	19.30	17.62	18.19	18.09	18.64	19.11
	8H	18.03	18.56	18.51	19.01	19.49	17.84	18.36	18.31	18.81	19.29
	12H	18.24	18.70	18.73	19.18	19.66	18.02	18.48	18.51	18.97	19.44
8H	4H	17.52	18.05	18.00	18.50	18.97	17.36	17.89	17.84	18.34	18.82
	6H	18.25	18.68	18.76	19.18	19.66	18.09	18.51	18.59	19.01	19.49
	8H	18.56	18.93	19.09	19.45	19.95	18.38	18.76	18.91	19.28	19.77
	12H	19.23	19.56	19.75	20.05	20.63	19.03	19.36	19.55	19.85	20.43
12H	4H	17.53	17.99	18.02	18.48	18.95	17.38	17.84	17.87	18.33	18.80
	6H	18.67	18.68	18.84	19.15	19.70	18.51	18.52	18.68	18.99	19.54
	8H	18.66	18.99	19.18	19.48	20.06	18.49	18.82	19.01	19.31	19.89
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.2/-0.7					
S = 1.5H	0.7/-0.5					0.7/-0.6					
S = 2.0H	0.8/-0.6					0.7/-0.7					
标准表格	BKBF					BKBF					
更正系数	3.7					3.8					

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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	1.11	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	0.89	0.92	0.90	0.87	0.90	0.88	0.86	0.84
4	0.94	0.89	0.86	0.93	0.89	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	0.82	0.89	0.85	0.81	0.87	0.84	0.80	0.86	0.82	0.80	0.84	0.81	0.79	0.78
6	0.87	0.82	0.78	0.86	0.81	0.78	0.84	0.80	0.77	0.83	0.80	0.77	0.82	0.79	0.76	0.75
7	0.84	0.79	0.75	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.77	0.74	0.73
8	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.71
9	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.69
10	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.75	0.71	0.69	0.74	0.71	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	10080.25	9719.58	8438.83	6524.23	4768.47	3236.79	2154.79	1493.31	1071.26
30.0	10115.55	9747.98	8366.70	6586.39	4712.46	3253.67	2190.86	1514.03	1069.72
60.0	10114.02	9485.53	7959.22	6168.94	4324.93	2912.19	2012.83	1402.61	997.74
90.0	10129.36	9584.53	8116.54	6236.46	4497.59	3020.39	2025.11	1395.09	1003.73
120.0	10100.97	9290.62	7672.23	5778.34	4080.14	2723.42	1866.26	1292.41	917.70
150.0	10109.41	9492.44	7946.95	6046.16	4331.84	2891.47	1926.88	1323.72	953.85
180.0	10080.25	9317.48	7715.97	5924.91	4126.95	2757.18	1883.14	1295.41	932.13
210.0	10115.55	9462.51	7808.82	6000.88	4211.36	2859.24	1909.23	1347.67	947.10
240.0	10114.02	9700.40	8424.25	6528.84	4772.31	3219.91	2116.42	1448.81	1033.66
270.0	10129.36	9688.12	8287.66	6518.86	4657.97	3176.17	2065.78	1442.36	1004.50
300.0	10100.97	9873.06	8655.23	6794.35	5011.73	3400.24	2239.97	1533.98	1094.28
330.0	10109.41	9685.82	8345.21	6452.10	4591.21	3073.34	2063.47	1457.63	1025.21
360.0	10080.25	9719.58	8438.83	6524.23	4768.47	3236.79	2154.79	1493.31	1071.26
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	760.47	553.28	421.29	326.06	258.84	210.95	178.03	152.32	133.14
30.0	780.42	564.02	423.59	333.35	262.67	215.86	179.64	154.78	133.91
60.0	716.50	529.80	402.03	317.54	251.32	206.35	173.50	149.64	130.30
90.0	719.03	531.02	402.11	314.62	250.09	207.34	174.96	150.64	132.45
120.0	659.02	490.81	375.32	295.44	238.65	197.52	168.59	144.27	127.15
150.0	683.73	505.70	388.29	302.04	241.72	201.44	169.82	145.72	128.08
180.0	659.56	488.59	372.41	295.98	236.35	194.99	166.14	142.73	124.55
210.0	681.12	498.18	377.63	300.89	240.73	199.52	169.44	146.03	127.46
240.0	732.08	531.79	407.48	317.62	253.77	209.95	176.19	151.63	132.99
270.0	731.08	529.49	399.19	316.93	253.00	207.50	175.81	152.63	133.45
300.0	777.35	565.56	432.03	335.11	264.67	215.17	181.71	155.55	135.90
330.0	748.58	543.69	415.00	320.00	256.84	209.42	176.50	151.86	131.84
360.0	760.47	553.28	421.29	326.06	258.84	210.95	178.03	152.32	133.14
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	117.26	104.90	94.46	86.02	79.73	73.90	69.29	65.30	61.77
30.0	118.87	105.90	95.46	87.79	81.27	75.89	71.29	67.61	64.23
60.0	115.26	103.52	93.70	86.10	79.65	74.59	70.06	66.38	63.08
90.0	117.41	105.97	96.08	88.48	81.73	76.20	71.75	67.61	64.15
120.0	112.80	101.75	92.39	84.95	79.12	73.82	69.52	65.61	62.31
150.0	113.19	101.83	92.01	84.26	77.66	72.67	68.14	64.23	61.01
180.0	110.50	99.68	90.17	82.57	76.43	71.14	66.61	62.85	59.78
210.0	113.88	102.14	92.62	85.49	79.27	74.36	69.83	66.30	63.00
240.0	117.56	105.36	95.85	87.56	81.11	75.66	71.14	67.30	63.92
270.0	119.48	107.51	97.61	90.01	82.72	77.20	72.44	68.30	64.61
300.0	119.63	106.97	96.54	88.86	82.11	76.43	71.98	67.99	64.38
330.0	117.18	104.75	94.46	86.48	80.19	74.51	69.98	66.22	62.69
360.0	117.26	104.90	94.46	86.02	79.73	73.90	69.29	65.30	61.77
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	58.70	56.25	53.72	51.26	48.57	45.43	42.28	38.75	35.15
30.0	61.08	58.24	55.40	52.57	49.80	46.81	43.43	40.21	36.60
60.0	59.93	56.86	54.10	51.49	48.42	45.51	42.13	38.68	35.07
90.0	60.85	58.17	55.63	53.18	50.42	47.19	43.59	39.67	35.53
120.0	59.32	56.25	53.64	50.88	47.96	44.66	41.59	38.06	34.61
150.0	57.78	54.79	52.03	49.42	46.50	43.28	40.29	36.91	33.46
180.0	56.86	54.41	51.87	49.27	46.43	43.43	40.13	36.68	33.30
210.0	60.16	57.32	54.41	51.87	48.88	45.66	42.28	38.83	35.15
240.0	60.78	57.86	54.87	52.18	49.50	46.27	43.13	39.67	35.84
270.0	61.39	58.47	55.86	53.49	50.65	47.58	43.82	40.13	36.07
300.0	61.16	58.17	55.17	52.49	49.88	46.73	43.59	40.13	36.76
330.0	59.55	56.71	53.79	51.03	48.04	45.04	41.90	38.22	34.69
360.0	58.70	56.25	53.72	51.26	48.57	45.43	42.28	38.75	35.15

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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	31.39	27.93	23.87	19.88	16.19	11.97	7.98	4.30	0.77
30.0	32.77	29.01	24.94	20.72	16.73	12.74	8.75	4.60	0.84
60.0	31.31	27.17	23.02	19.26	15.50	11.59	7.60	3.68	0.54
90.0	31.54	27.78	23.64	19.95	15.96	12.12	8.21	4.07	0.54
120.0	30.85	26.93	23.02	19.18	15.19	11.43	7.60	3.38	0.46
150.0	29.70	26.17	22.33	18.72	15.12	11.05	7.29	3.61	0.54
180.0	29.70	25.94	22.02	18.42	14.50	10.90	7.06	3.45	0.46
210.0	31.31	27.47	23.25	19.41	15.19	11.51	7.83	3.45	0.38
240.0	31.85	28.01	23.94	19.88	16.27	12.05	8.06	4.22	0.69
270.0	32.00	27.93	24.02	20.11	16.04	12.28	8.67	4.30	0.77
300.0	32.92	29.16	25.25	21.26	17.42	13.12	8.98	5.06	1.00
330.0	31.08	27.17	23.17	19.49	15.65	11.82	7.90	4.14	0.77
360.0	31.39	27.93	23.87	19.88	16.19	11.97	7.98	4.30	0.77

C/γ(°)	90.0
0.0	0.08
30.0	0.00
60.0	0.00
90.0	0.08
120.0	0.00
150.0	0.00
180.0	0.00
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.08
330.0	0.08
360.0	0.08