

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3323A-15-36DC-RC-Y (15-XL-15RGBWN-AJ, L1000, C, CT)

报告编号:

电压(V): 220.2000

测试编号: 20210409002

电流(A): 0.3710

光源规格型号: XL

功率(W): 76.4000

每个光源光通量(lm)

功率因数: 0.9360

光源数量: 15

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 45

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 3324.73

灯具效能(lm/w): 43.52

中心光强(cd): 27310.910

最大光强(cd): 27947.840

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=16.3

[C90/270]Total=15.4

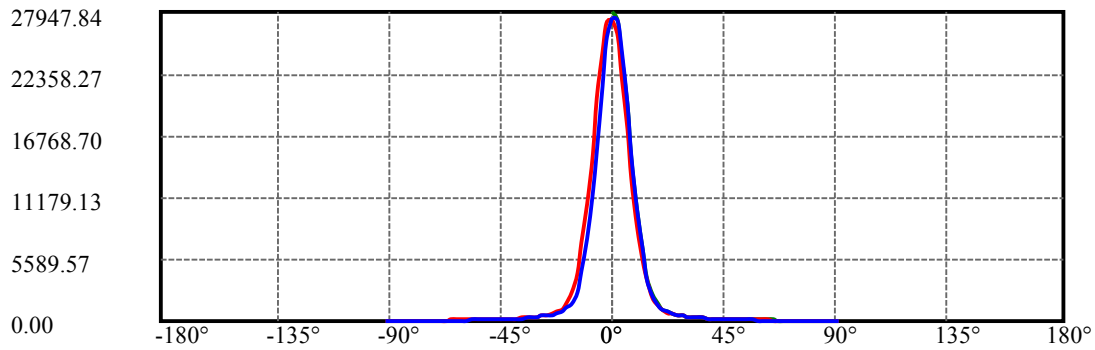
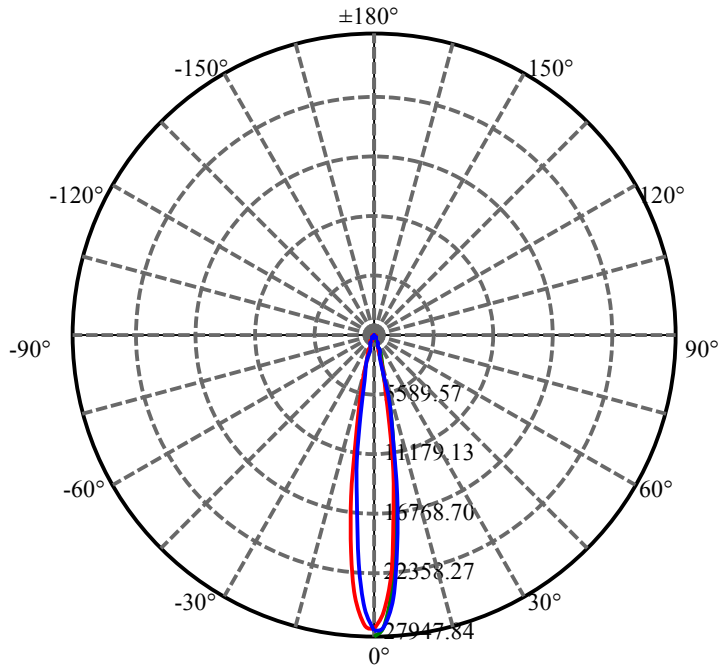
光束扩散角(10%Imax): [C0/180]Total=31.1

[C90/270]Total=29.3

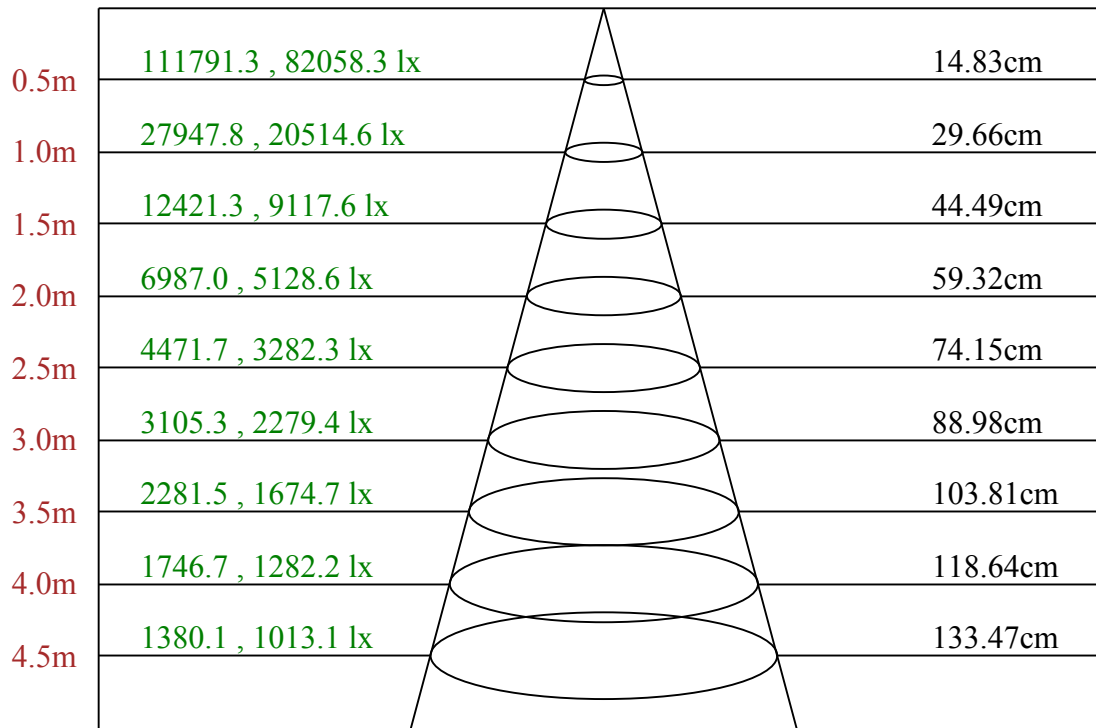
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/9
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

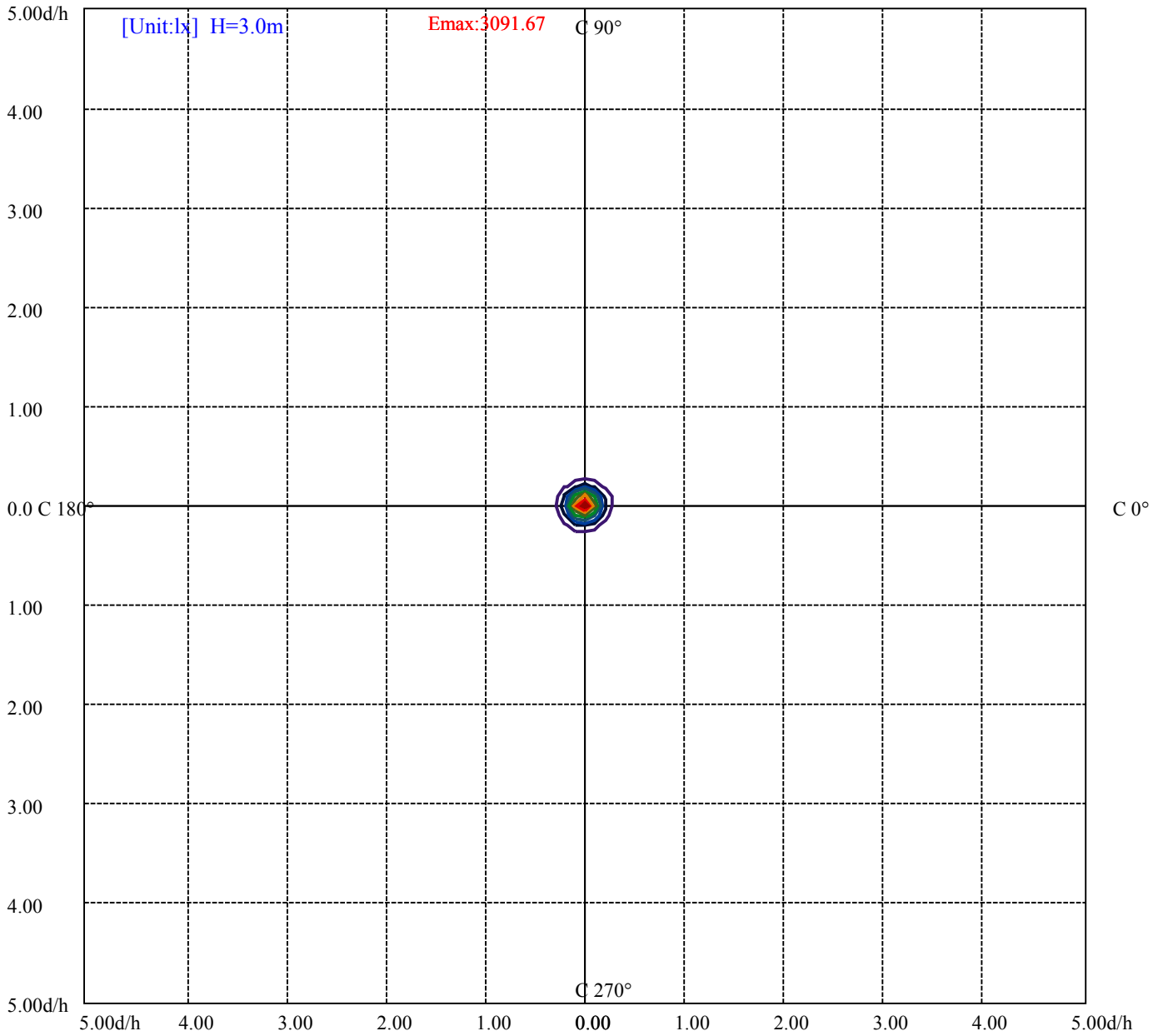


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角16.87

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平面等照度曲线



- (10%Emax) 309.1667
- (20%Emax) 618.3323
- (30%Emax) 927.4989
- (40%Emax) 1236.667
- (50%Emax) 1545.833
- (60%Emax) 1855
- (70%Emax) 2164.167
- (80%Emax) 2473.333
- (90%Emax) 2782.5

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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

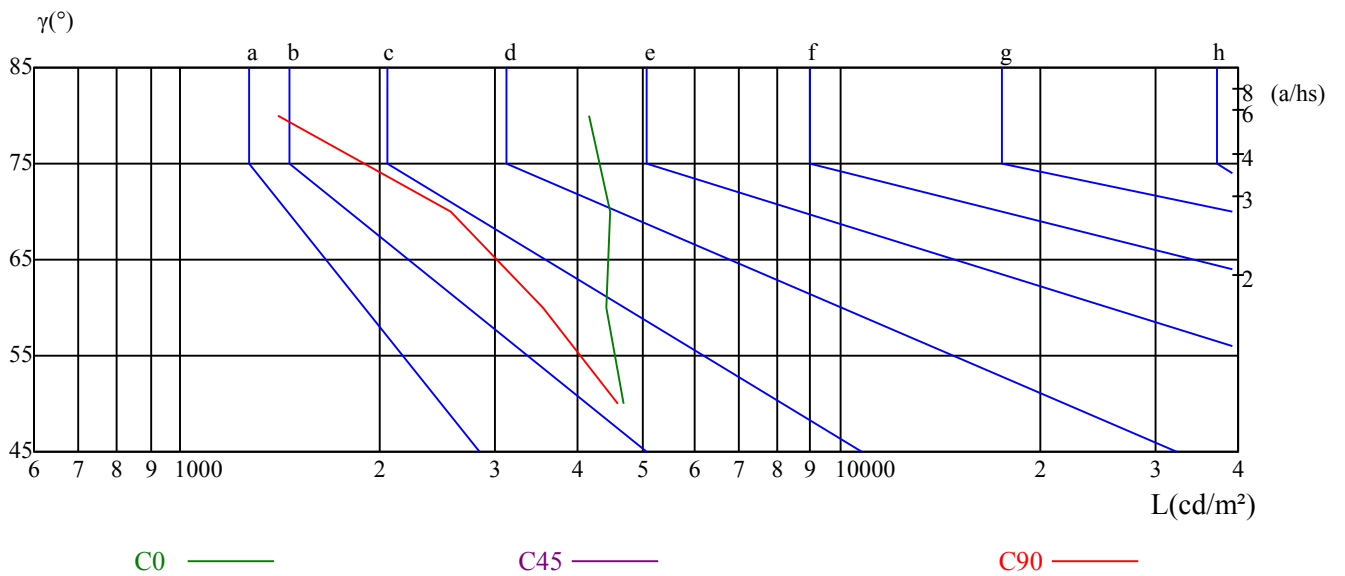
γ	45	50	55	60	65	70	75	80	85
C0	0	4675	0	4416	0	4482	0	4149	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4594	0	3529	0	2569	0	1403	0

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

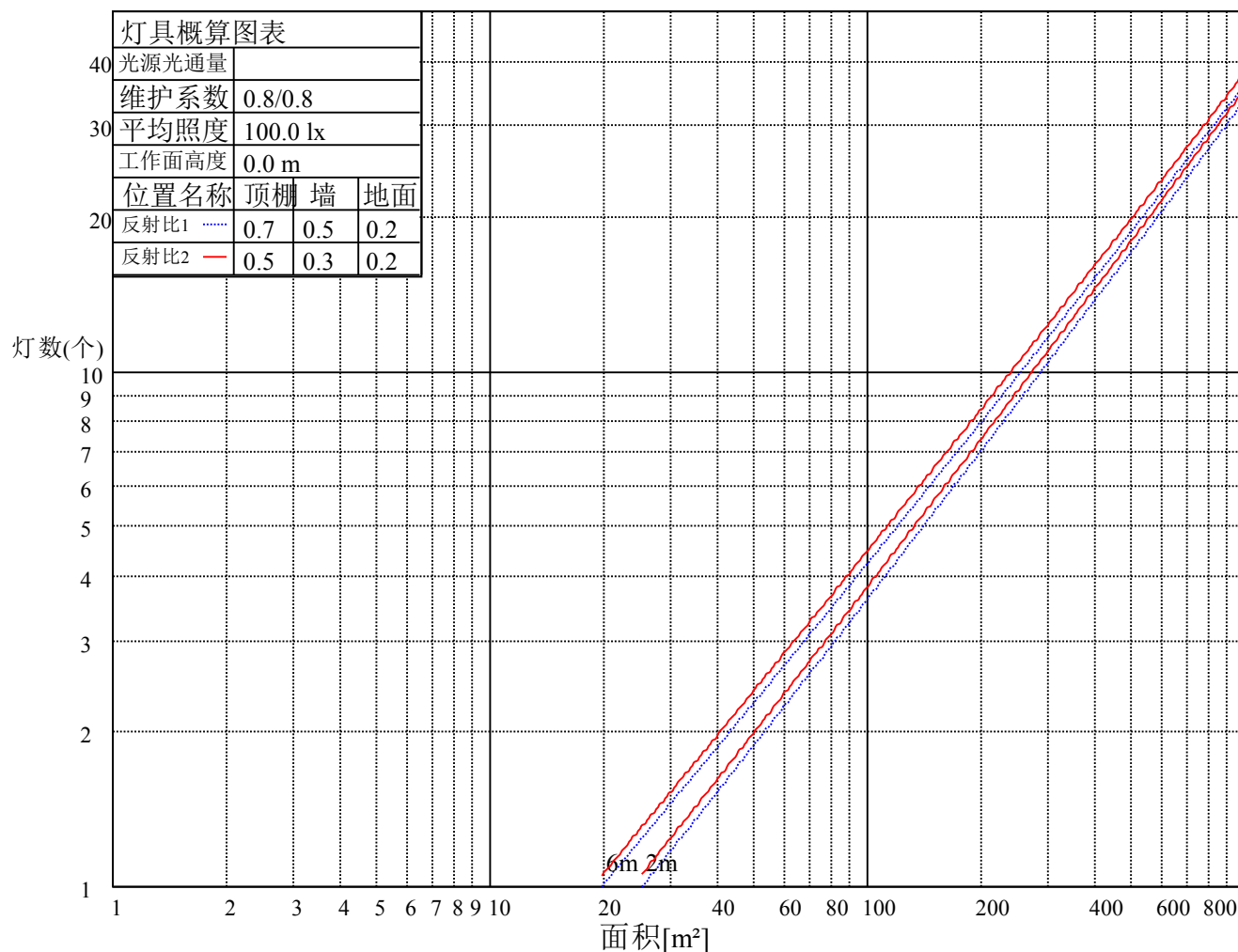
亮度限制曲线



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	7.45	8.47	7.81	8.78	9.10	8.42	9.44	8.78	9.75	10.07
	3H	8.50	9.40	8.88	9.74	10.10	10.51	11.42	10.89	11.75	12.12
	4H	8.71	9.55	9.12	9.91	10.30	11.28	12.12	11.69	12.48	12.87
	6H	8.79	9.56	9.21	9.93	10.33	11.84	12.61	12.26	12.98	13.38
	8H	8.79	9.51	9.23	9.91	10.32	12.03	12.75	12.47	13.15	13.56
	12H	8.80	9.49	9.23	9.87	10.30	12.28	12.97	12.72	13.36	13.79
4H	2H	8.08	8.92	8.48	9.27	9.66	8.84	9.68	9.25	10.04	10.43
	3H	9.23	9.92	9.64	10.33	10.73	11.23	11.92	11.64	12.33	12.73
	4H	9.49	10.10	9.92	10.53	10.97	12.08	12.69	12.52	13.12	13.56
	6H	9.58	10.10	10.05	10.55	11.03	12.60	13.13	13.07	13.58	14.05
	8H	9.58	10.07	10.06	10.52	11.00	12.82	13.31	13.29	13.76	14.23
	12H	9.59	10.02	10.08	10.50	10.98	13.07	13.49	13.56	13.98	14.46
8H	4H	9.78	10.27	10.26	10.72	11.20	12.10	12.59	12.57	13.04	13.51
	6H	9.90	10.29	10.41	10.79	11.28	12.67	13.06	13.18	13.56	14.04
	8H	9.93	10.27	10.46	10.79	11.29	12.92	13.27	13.45	13.79	14.29
	12H	10.58	10.88	11.10	11.37	11.95	13.70	14.00	14.22	14.49	15.07
12H	4H	9.77	10.20	10.26	10.69	11.16	12.04	12.47	12.53	12.96	13.43
	6H	10.20	10.25	10.44	10.72	11.27	12.92	12.96	13.15	13.44	13.98
	8H	9.96	10.26	10.48	10.75	11.33	12.90	13.19	13.42	13.69	14.27
对应照射距离，改变观察者位置S											
S = 1.0H		0.4/-0.6					0.3/-0.6				
S = 1.5H		1.0/-1.3					0.9/-0.8				
S = 2.0H		2.6/-1.7					1.1/-0.8				
标准表格		BK3					BK3				
更正系数		-3.4					-1.7				

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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	0.98	0.97	0.95	0.96	0.94	0.93	0.91
3	1.01	0.97	0.94	1.00	0.96	0.93	0.97	0.94	0.92	0.95	0.93	0.90	0.93	0.91	0.89	0.88
4	0.97	0.93	0.89	0.96	0.92	0.89	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.88	0.86	0.85
5	0.93	0.89	0.86	0.93	0.88	0.85	0.91	0.87	0.85	0.89	0.86	0.84	0.88	0.85	0.83	0.82
6	0.90	0.86	0.83	0.90	0.85	0.82	0.88	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.81	0.80
7	0.88	0.83	0.80	0.87	0.83	0.80	0.86	0.82	0.80	0.85	0.82	0.79	0.84	0.81	0.79	0.78
8	0.85	0.81	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.83	0.80	0.77	0.82	0.79	0.77	0.76
9	0.83	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.74
10	0.81	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.74	0.79	0.76	0.74	0.73

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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	27310.91	25707.10	22062.06	17304.33	12784.48	8563.92	5463.72	3898.27	2103.38
30.0	27947.83	27065.35	23880.74	19537.39	14687.58	10121.69	6438.28	3990.36	2415.70
60.0	27702.27	26766.07	23443.34	18816.06	14085.95	9573.02	5932.58	3514.58	2102.61
90.0	27403.00	27096.05	24463.95	19683.19	14917.79	10144.71	6453.63	3898.27	2224.62
120.0	27387.65	27034.66	24041.89	19713.89	14527.96	10041.88	6373.83	3742.49	2198.53
150.0	27218.83	27249.52	25031.81	20864.95	15830.97	11272.75	7359.14	4466.13	2639.77
180.0	27310.91	26881.18	24341.17	20181.99	15129.59	10663.46	7102.06	4358.70	2596.80
210.0	27947.83	26643.29	23282.19	18931.17	13947.83	9360.45	5908.80	3676.50	2240.74
240.0	27702.27	26267.28	22606.90	18140.77	13360.02	8832.50	5371.63	3882.92	2010.53
270.0	27403.00	25377.12	21179.58	15291.50	11661.05	7392.13	4430.83	2609.08	1510.89
300.0	27387.65	25492.23	21425.14	16652.06	11740.85	7765.85	4780.75	2869.99	1741.94
330.0	27218.83	25062.50	20957.04	15195.58	11374.05	7620.04	4827.56	2899.91	1525.47
360.0	27310.91	25707.10	22062.06	17304.33	12784.48	8563.92	5463.72	3898.27	2103.38
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1365.16	998.36	771.21	630.78	533.33	454.29	395.20	346.78	302.73
30.0	1563.14	1124.97	857.16	696.78	580.14	493.42	428.20	387.52	331.58
60.0	1414.20	1031.74	815.11	665.08	561.26	479.00	417.53	366.42	324.83
90.0	1458.01	1044.40	804.98	653.04	548.67	465.03	402.87	351.77	301.58
120.0	1393.94	989.76	763.00	623.95	519.51	446.84	389.14	341.94	301.27
150.0	1575.42	1085.07	799.61	643.06	529.49	451.98	391.36	344.40	307.26
180.0	1508.81	1106.02	822.47	663.47	549.21	465.72	405.48	352.84	307.18
210.0	1473.44	1057.21	804.21	656.49	546.22	466.33	406.33	363.66	320.99
240.0	1351.35	1005.26	778.89	641.53	534.86	461.96	405.17	362.28	317.08
270.0	1181.30	902.74	718.72	597.25	509.31	435.72	378.55	330.74	288.07
300.0	1208.62	903.97	721.33	592.41	501.10	432.80	390.59	334.65	292.83
330.0	1212.76	898.06	715.73	589.42	496.95	427.43	376.78	330.74	290.14
360.0	1365.16	998.36	771.21	630.78	533.33	454.29	395.20	346.78	302.73
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	264.05	232.13	205.12	185.70	169.28	155.32	143.50	132.53	123.62
30.0	290.68	257.07	226.68	202.43	180.87	165.29	152.02	140.43	130.99
60.0	284.77	248.17	219.47	194.38	174.96	158.00	145.11	133.75	124.16
90.0	261.45	228.14	202.51	182.33	166.52	152.63	141.12	130.22	119.79
120.0	267.66	235.12	207.42	186.40	168.21	153.40	140.97	130.99	121.71
150.0	272.65	241.95	214.48	192.84	174.19	160.00	147.26	136.82	127.77
180.0	269.04	238.81	213.41	193.15	177.03	162.84	150.79	139.43	129.61
210.0	282.47	249.78	220.70	196.52	177.34	163.07	150.48	139.36	130.45
240.0	279.09	246.79	216.09	192.61	173.50	157.70	144.50	133.98	124.01
270.0	247.56	217.01	191.61	174.04	158.46	145.72	135.37	125.24	115.95
300.0	258.30	227.45	200.59	180.72	163.53	148.72	136.98	127.23	118.10
330.0	256.69	225.53	199.44	180.03	163.14	149.41	138.13	128.84	120.63
360.0	264.05	232.13	205.12	185.70	169.28	155.32	143.50	132.53	123.62
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	115.72	109.58	103.14	97.38	91.70	85.95	80.34	74.28	67.61
30.0	122.63	115.80	109.50	103.52	97.84	92.01	85.79	79.96	74.05
60.0	115.64	107.13	97.23	85.10	75.28	65.84	57.48	48.73	40.59
90.0	107.43	96.46	86.41	77.81	70.06	61.85	53.87	46.20	38.75
120.0	113.96	106.13	96.46	85.33	75.13	66.45	58.01	50.11	42.21
150.0	120.40	113.65	107.51	101.98	96.31	90.78	84.95	78.89	72.59
180.0	120.78	113.49	106.97	100.68	94.85	89.40	83.64	77.89	72.36
210.0	122.78	116.03	109.66	104.13	98.30	92.70	86.71	81.11	75.43
240.0	115.72	108.20	99.61	89.32	78.20	68.37	59.55	50.57	41.82
270.0	105.74	94.00	84.18	75.89	67.53	59.32	51.72	43.74	36.07
300.0	110.89	103.90	95.54	85.18	74.13	64.84	56.33	48.04	39.67
330.0	114.11	108.05	102.44	97.00	91.78	85.87	80.04	74.28	67.91
360.0	115.72	109.58	103.14	97.38	91.70	85.95	80.34	74.28	67.61

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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	60.78	53.64	45.97	38.60	31.77	24.25	16.65	10.05	3.45
30.0	65.53	52.95	36.30	24.56	15.81	9.29	4.53	2.84	1.69
60.0	32.92	24.86	17.50	11.13	8.52	6.45	3.53	3.15	1.53
90.0	31.16	23.94	17.50	12.51	10.74	6.83	4.37	3.76	1.92
120.0	34.53	27.09	20.11	13.58	9.59	7.60	3.91	3.38	1.84
150.0	64.77	52.87	38.14	26.63	17.88	10.97	5.53	3.45	1.92
180.0	65.99	59.09	51.41	44.05	36.68	29.62	21.72	14.58	7.60
210.0	67.15	52.87	36.83	24.94	15.88	9.13	4.76	2.84	1.76
240.0	34.46	26.70	19.18	13.05	9.44	6.98	4.07	3.45	1.84
270.0	28.62	21.64	15.42	11.89	8.90	5.68	4.60	3.45	1.53
300.0	32.31	24.86	18.03	12.12	9.29	6.45	3.99	3.30	1.61
330.0	60.47	46.89	32.69	21.10	13.12	7.37	4.37	2.38	1.46
360.0	60.78	53.64	45.97	38.60	31.77	24.25	16.65	10.05	3.45
C/γ(°)	90.0								
0.0	0.23								
30.0	0.15								
60.0	0.15								
90.0	0.15								
120.0	0.15								
150.0	0.46								
180.0	0.38								
210.0	0.23								
240.0	0.15								
270.0	0.08								
300.0	0.15								
330.0	0.15								
360.0	0.23								