

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

ROLED

灯具名称: 投光灯

灯具描述: F1212A1-12-36DC-RC-Y (60-CL-12RGBWN-AJ, CT)

报告编号:

电压(V): 35.9000

测试编号: 20210417004

电流(A): 0.6100

光源规格型号: CL

功率(W): 21.9000

每个光源光通量(lm)

功率因数: 1.0350

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): 918.28

灯具效能(lm/w): 41.93

中心光强(cd): 964.592

最大光强(cd): 974.414

最大光强角度: C=150.0 γ =6.0

半峰边角(50%Imax): [C0/180]Total=52.2

[C90/270]Total=53.2

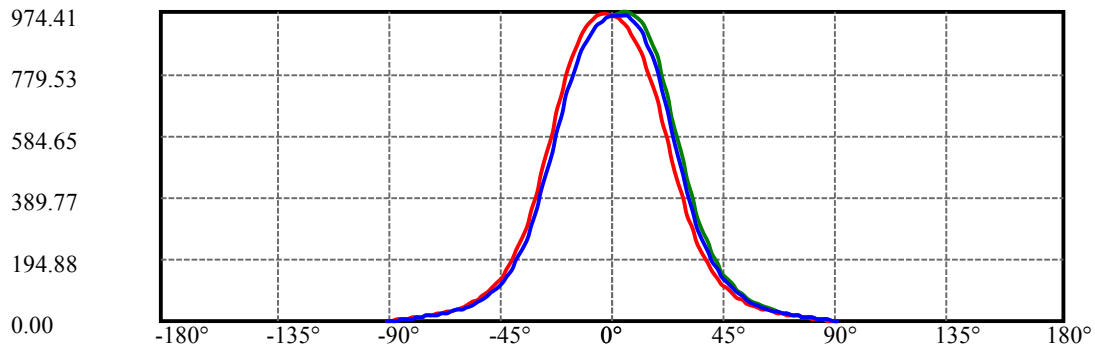
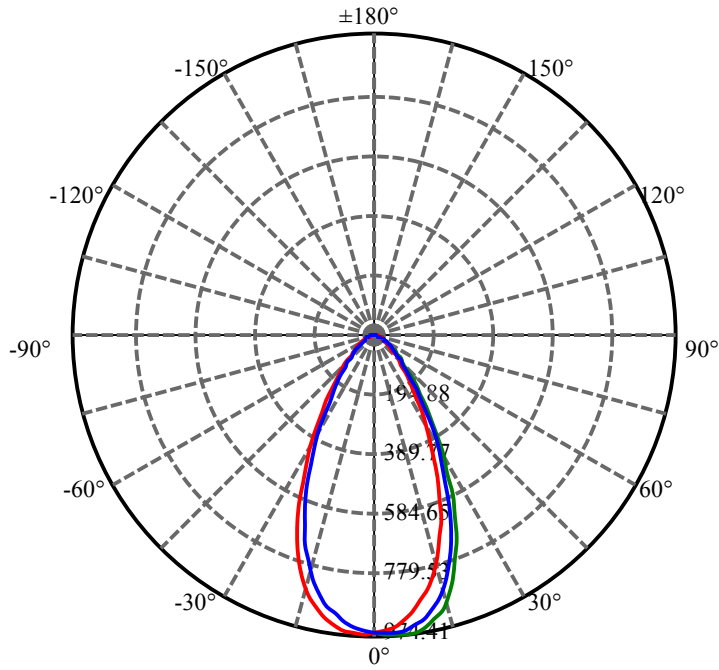
光束扩散角(10%Imax): [C0/180]Total=95.7

[C90/270]Total=96.0

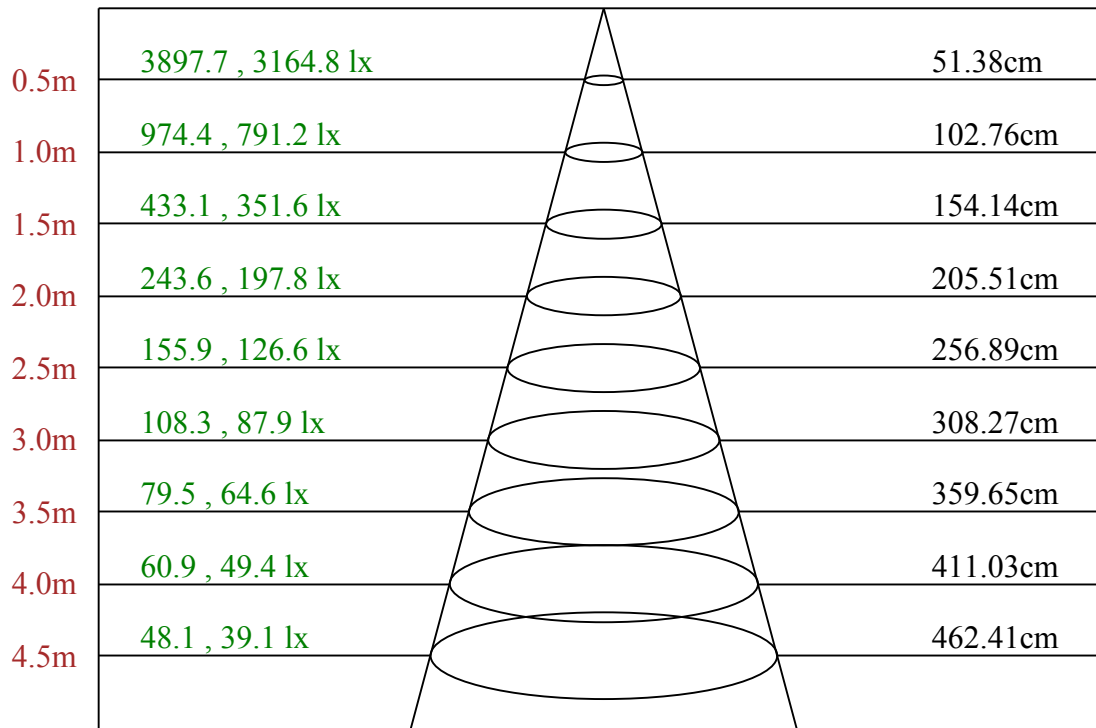
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/17
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

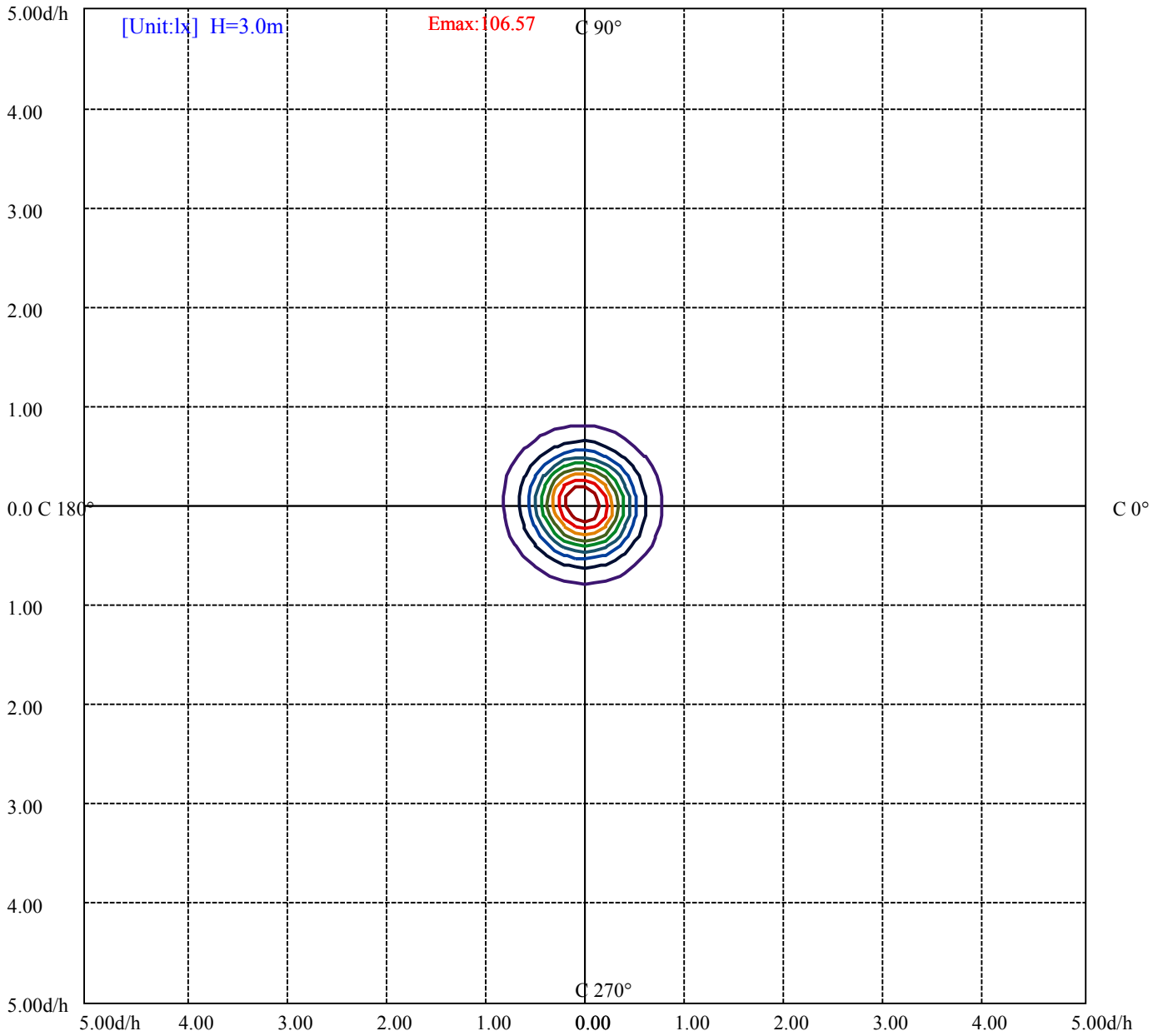


C150(Max): —
C0/C180: —
C90/C270: —



Max , Ave C150面光束角54.33

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平面等照度曲线



- (10%Emax) 10.65714
- (20%Emax) 21.31433
- (30%Emax) 31.97145
- (40%Emax) 42.62856
- (50%Emax) 53.28578
- (60%Emax) 63.94289
- (70%Emax) 74.60001
- (80%Emax) 85.25723
- (90%Emax) 95.91434

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

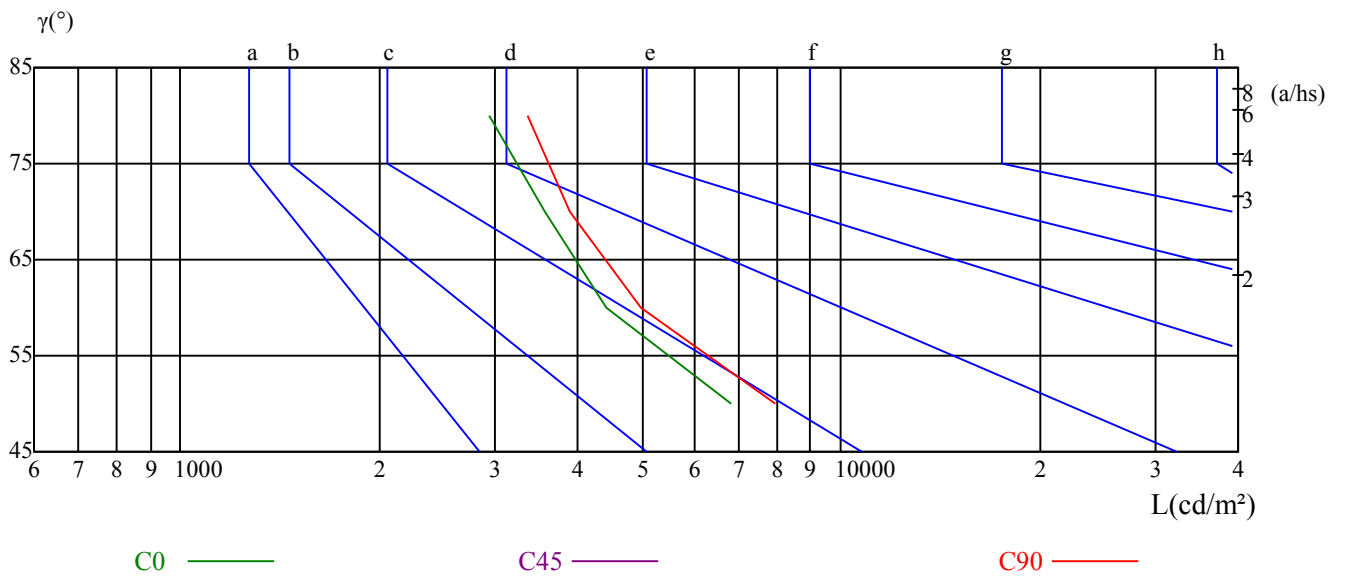
γ	45	50	55	60	65	70	75	80	85
C0	0	6831	0	4409	0	3569	0	2936	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7965	0	4981	0	3883	0	3348	0

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

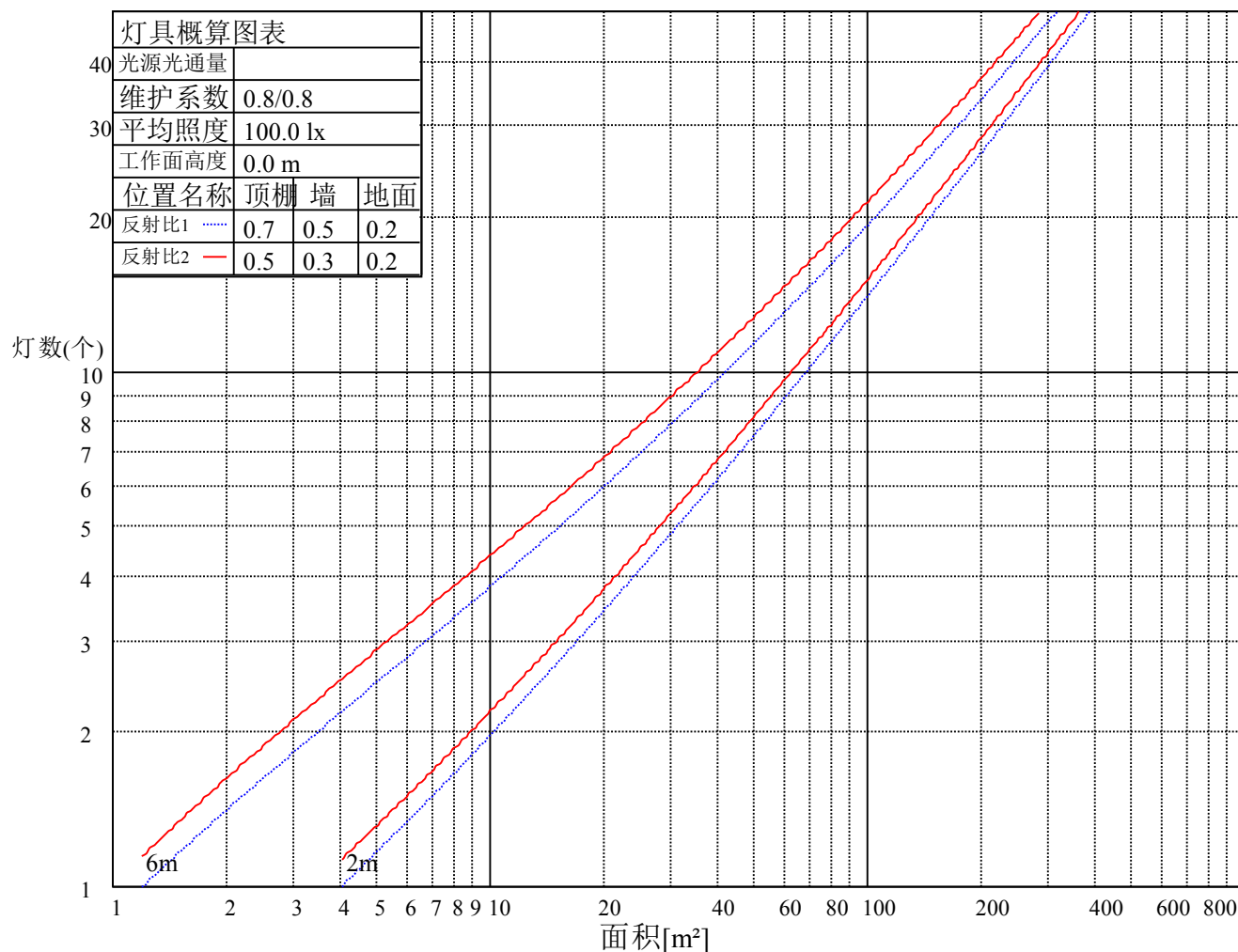
亮度限制曲线



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	15.00	16.19	15.37	16.50	16.81	14.97	16.16	15.34	16.47	16.79
	3H	16.13	17.18	16.52	17.52	17.88	16.10	17.15	16.49	17.49	17.85
	4H	16.57	17.55	16.98	17.90	18.29	16.54	17.52	16.94	17.87	18.25
	6H	16.91	17.80	17.32	18.17	18.57	16.87	17.77	17.29	18.14	18.53
	8H	17.01	17.86	17.44	18.25	18.66	16.98	17.82	17.41	18.22	18.62
	12H	17.15	17.96	17.58	18.34	18.77	17.12	17.92	17.55	18.31	18.74
4H	2H	15.32	16.29	15.72	16.64	17.03	15.29	16.27	15.70	16.62	17.01
	3H	16.66	17.46	17.08	17.87	18.27	16.64	17.43	17.05	17.84	18.25
	4H	17.21	17.93	17.65	18.35	18.80	17.18	17.90	17.62	18.32	18.77
	6H	17.59	18.20	18.05	18.65	19.12	17.56	18.17	18.02	18.62	19.09
	8H	17.74	18.31	18.21	18.76	19.23	17.71	18.28	18.18	18.73	19.20
	12H	17.90	18.40	18.39	18.89	19.36	17.87	18.37	18.36	18.86	19.33
8H	4H	17.37	17.94	17.84	18.39	18.86	17.34	17.92	17.81	18.36	18.84
	6H	17.86	18.33	18.37	18.83	19.31	17.84	18.30	18.34	18.80	19.28
	8H	18.09	18.50	18.62	19.02	19.52	18.06	18.48	18.59	18.99	19.49
	12H	18.77	19.13	19.29	19.63	20.20	18.74	19.10	19.26	19.60	20.17
12H	4H	17.36	17.87	17.85	18.35	18.83	17.34	17.84	17.83	18.32	18.80
	6H	18.35	18.31	18.42	18.77	19.32	18.33	18.28	18.39	18.75	19.29
	8H	18.16	18.52	18.68	19.02	19.60	18.13	18.50	18.65	18.99	19.57
对应照射距离，改变观察者位置S											
S = 1.0H		1.2/-1.3					1.0/-1.3				
S = 1.5H		2.3/-1.8					1.9/-1.8				
S = 2.0H		4.1/-1.9					3.7/-1.9				
标准表格		BK2					BK3				
更正系数		0.4					0.4				

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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	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	0.99	0.99	0.97	0.96	0.96	0.94	0.93	0.91
2	1.00	0.95	0.91	0.98	0.94	0.90	0.95	0.91	0.88	0.92	0.89	0.86	0.89	0.87	0.84	0.83
3	0.92	0.86	0.82	0.91	0.85	0.81	0.88	0.83	0.80	0.85	0.82	0.78	0.83	0.80	0.77	0.75
4	0.85	0.79	0.74	0.84	0.78	0.73	0.82	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.69
5	0.79	0.72	0.67	0.78	0.72	0.67	0.76	0.71	0.66	0.74	0.70	0.66	0.73	0.68	0.65	0.64
6	0.73	0.67	0.62	0.73	0.66	0.62	0.71	0.65	0.61	0.70	0.65	0.61	0.68	0.64	0.60	0.59
7	0.69	0.62	0.57	0.68	0.62	0.57	0.67	0.61	0.57	0.65	0.60	0.56	0.64	0.60	0.56	0.55
8	0.64	0.58	0.53	0.64	0.57	0.53	0.63	0.57	0.53	0.62	0.56	0.53	0.60	0.56	0.52	0.51
9	0.61	0.54	0.50	0.60	0.54	0.50	0.59	0.53	0.49	0.58	0.53	0.49	0.57	0.53	0.49	0.48
10	0.57	0.51	0.47	0.57	0.51	0.47	0.56	0.50	0.46	0.55	0.50	0.46	0.54	0.49	0.46	0.45

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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	964.59	956.84	944.26	926.07	902.36	871.82	834.67	794.23	744.35
30.0	958.30	954.77	944.64	928.14	905.12	877.03	841.43	801.37	751.64
60.0	959.99	958.61	951.55	938.96	919.01	894.15	861.38	820.09	774.28
90.0	961.06	964.13	964.05	959.45	949.01	931.21	907.27	873.35	832.68
120.0	963.36	969.20	973.03	973.19	968.28	956.92	937.04	906.73	868.06
150.0	963.52	969.43	973.65	974.41	969.73	957.99	939.96	911.72	872.81
180.0	964.59	967.81	966.89	961.14	948.09	929.14	902.43	869.13	826.23
210.0	958.30	956.23	948.63	935.58	915.48	890.16	856.16	819.48	772.67
240.0	959.99	955.77	947.10	932.59	912.18	886.47	852.48	813.57	767.07
270.0	961.06	954.77	945.25	931.52	911.26	886.01	853.25	815.41	764.69
300.0	963.36	956.46	947.33	934.82	916.78	894.15	862.68	823.55	775.51
330.0	963.52	955.15	944.03	927.91	907.73	880.41	846.80	804.90	756.86
360.0	964.59	956.84	944.26	926.07	902.36	871.82	834.67	794.23	744.35
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	687.57	631.17	567.09	505.62	442.55	386.53	333.27	289.30	247.25
30.0	697.16	637.69	574.99	516.44	456.28	401.64	349.00	301.12	260.45
60.0	717.50	660.48	597.25	537.24	474.78	417.76	360.05	312.09	267.35
90.0	779.42	723.87	659.64	596.40	528.95	462.42	403.64	347.16	296.97
120.0	818.48	759.24	694.01	630.17	561.64	497.57	434.18	375.09	321.99
150.0	827.38	771.06	707.83	641.14	576.07	508.62	447.76	387.76	333.27
180.0	776.12	718.11	658.18	593.57	530.87	466.33	406.10	350.38	300.81
210.0	724.33	668.15	606.92	549.36	489.28	429.88	375.94	328.05	281.70
240.0	716.88	661.25	603.54	540.77	480.61	421.06	368.11	318.31	272.50
270.0	714.35	655.72	595.41	532.56	469.86	410.85	355.53	305.26	260.14
300.0	719.57	663.40	599.24	538.24	473.85	416.07	360.05	312.94	267.58
330.0	701.30	640.68	578.60	515.83	457.20	394.35	343.71	295.75	254.39
360.0	687.57	631.17	567.09	505.62	442.55	386.53	333.27	289.30	247.25
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	211.41	182.94	155.32	134.44	116.10	100.60	86.94	75.36	65.46
30.0	223.31	191.38	163.68	141.50	121.63	105.13	90.47	78.12	67.99
60.0	228.68	196.76	168.06	145.11	123.47	106.82	92.01	79.81	69.06
90.0	253.85	218.55	186.55	161.07	138.20	118.56	101.98	87.86	76.12
120.0	277.71	236.97	201.90	173.58	148.56	127.00	109.04	94.31	81.11
150.0	285.92	246.10	209.88	179.26	154.32	131.76	112.88	97.69	83.87
180.0	259.60	222.00	191.31	163.83	140.35	120.55	103.83	89.94	77.27
210.0	242.26	209.26	178.26	154.09	130.99	113.03	97.30	84.33	72.36
240.0	234.82	201.13	171.28	146.49	126.85	108.58	93.47	81.34	70.14
270.0	224.15	191.54	164.68	141.50	121.78	104.59	90.32	78.58	67.76
300.0	230.14	197.14	167.98	143.81	124.55	106.67	91.78	80.11	69.06
330.0	218.01	186.63	160.38	137.74	118.33	101.52	88.32	76.28	65.92
360.0	211.41	182.94	155.32	134.44	116.10	100.60	86.94	75.36	65.46
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	56.56	49.27	42.74	37.83	33.46	29.77	26.63	23.71	20.95
30.0	58.93	51.34	44.74	39.37	34.61	30.46	27.01	23.87	20.87
60.0	59.86	52.41	45.66	39.83	34.84	30.93	27.09	23.87	20.64
90.0	65.61	57.02	49.27	42.74	37.68	33.00	29.08	25.78	22.79
120.0	69.52	61.01	52.64	45.97	39.75	34.84	30.39	26.78	23.17
150.0	72.21	62.31	54.25	46.89	40.98	35.61	30.93	26.86	23.33
180.0	67.07	57.78	49.80	43.13	37.68	32.92	29.01	25.71	22.48
210.0	62.77	54.79	47.42	41.28	35.99	31.69	27.86	24.40	21.41
240.0	60.70	52.95	46.27	40.29	35.53	31.00	27.17	23.71	20.72
270.0	59.16	51.34	44.58	39.14	34.46	30.46	26.93	23.87	20.87
300.0	59.93	52.41	45.89	40.21	35.30	31.23	27.47	24.17	21.10
330.0	57.78	50.26	43.74	38.45	33.84	29.77	26.32	22.94	19.88
360.0	56.56	49.27	42.74	37.83	33.46	29.77	26.63	23.71	20.95

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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	18.34	15.65	13.28	11.05	8.75	6.75	4.60	2.46	0.31
30.0	18.19	15.81	13.28	11.05	9.06	6.91	4.68	2.69	0.38
60.0	17.88	15.27	12.74	10.82	8.82	6.91	4.99	2.84	0.54
90.0	19.88	17.27	14.66	12.20	9.98	7.75	5.68	3.68	1.23
120.0	20.03	17.11	14.58	12.05	9.90	7.90	5.37	3.38	1.30
150.0	19.88	16.73	14.27	11.89	9.67	7.67	5.60	3.68	1.53
180.0	19.72	16.73	14.20	11.89	9.59	7.52	5.53	3.45	1.30
210.0	18.57	15.88	13.35	11.20	9.06	7.06	4.91	2.84	0.77
240.0	17.73	15.19	12.89	10.74	8.67	6.68	4.83	2.69	0.77
270.0	18.19	15.50	13.05	10.74	8.44	6.52	4.60	2.23	0.31
300.0	18.34	15.65	13.20	10.90	8.67	6.60	4.22	2.15	0.23
330.0	17.19	14.58	12.43	10.28	8.13	6.06	3.99	1.76	0.23
360.0	18.34	15.65	13.28	11.05	8.75	6.75	4.60	2.46	0.31
C/γ(°)	90.0								
0.0	0.00								
30.0	0.00								
60.0	0.00								
90.0	0.00								
120.0	0.15								
150.0	0.15								
180.0	0.15								
210.0	0.00								
240.0	0.08								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	0.00								