

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1021A-3-UN (20-OL-3WN-AJ, P1)

报告编号:

电压(V): 220.5000

测试编号: 20210412003

电流(A): 0.0420

光源规格型号: OL

功率(W): 4.3000

每个光源光通量(lm)

功率因数: 0.4580

光源数量: 3

镇流器型号:

发光面长度(mm): 50

发光面宽度(mm): 50

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 325.09

灯具效能(lm/w): 75.60

中心光强(cd): 1485.410

最大光强(cd): 1498.302

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=20.7

[C90/270]Total=20.6

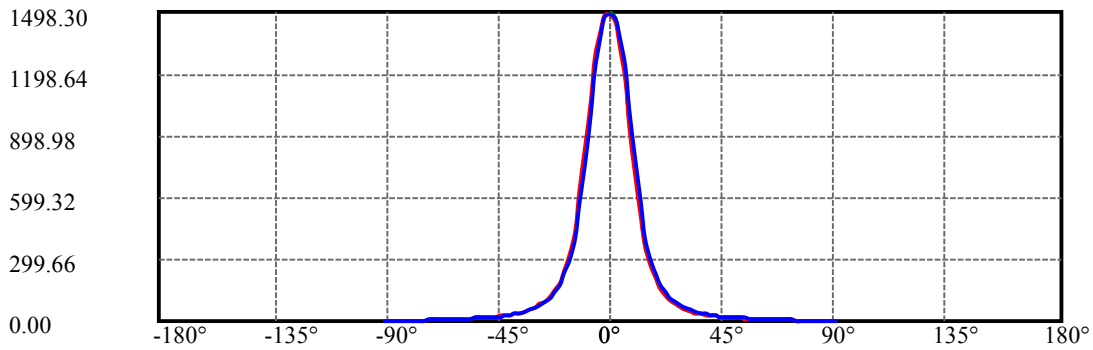
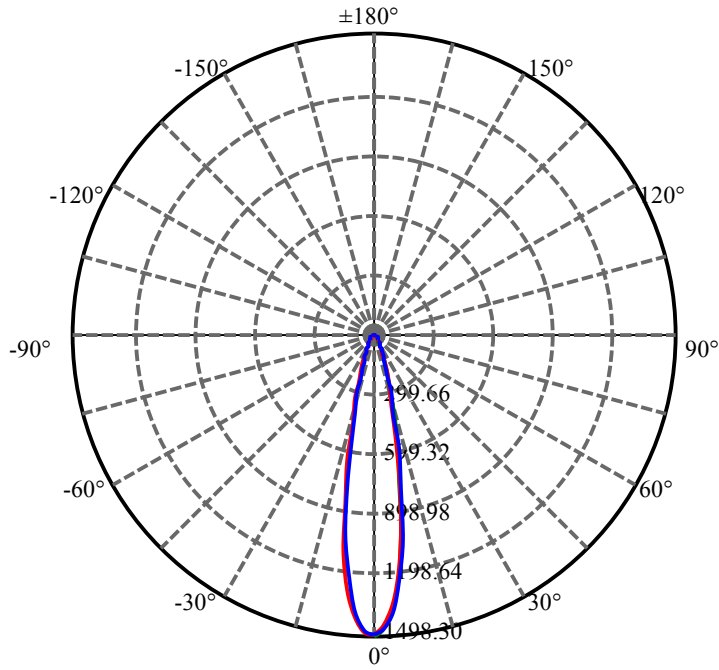
光束扩散角(10%Imax): [C0/180]Total=42.6

[C90/270]Total=43.0

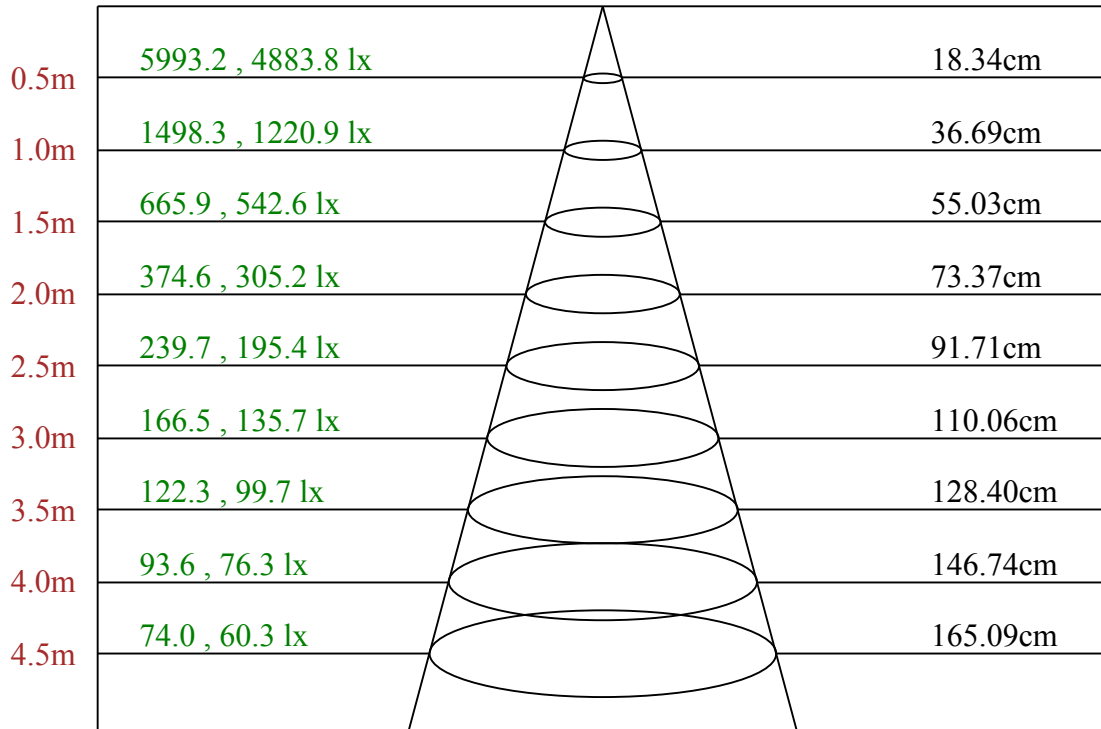
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/12
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

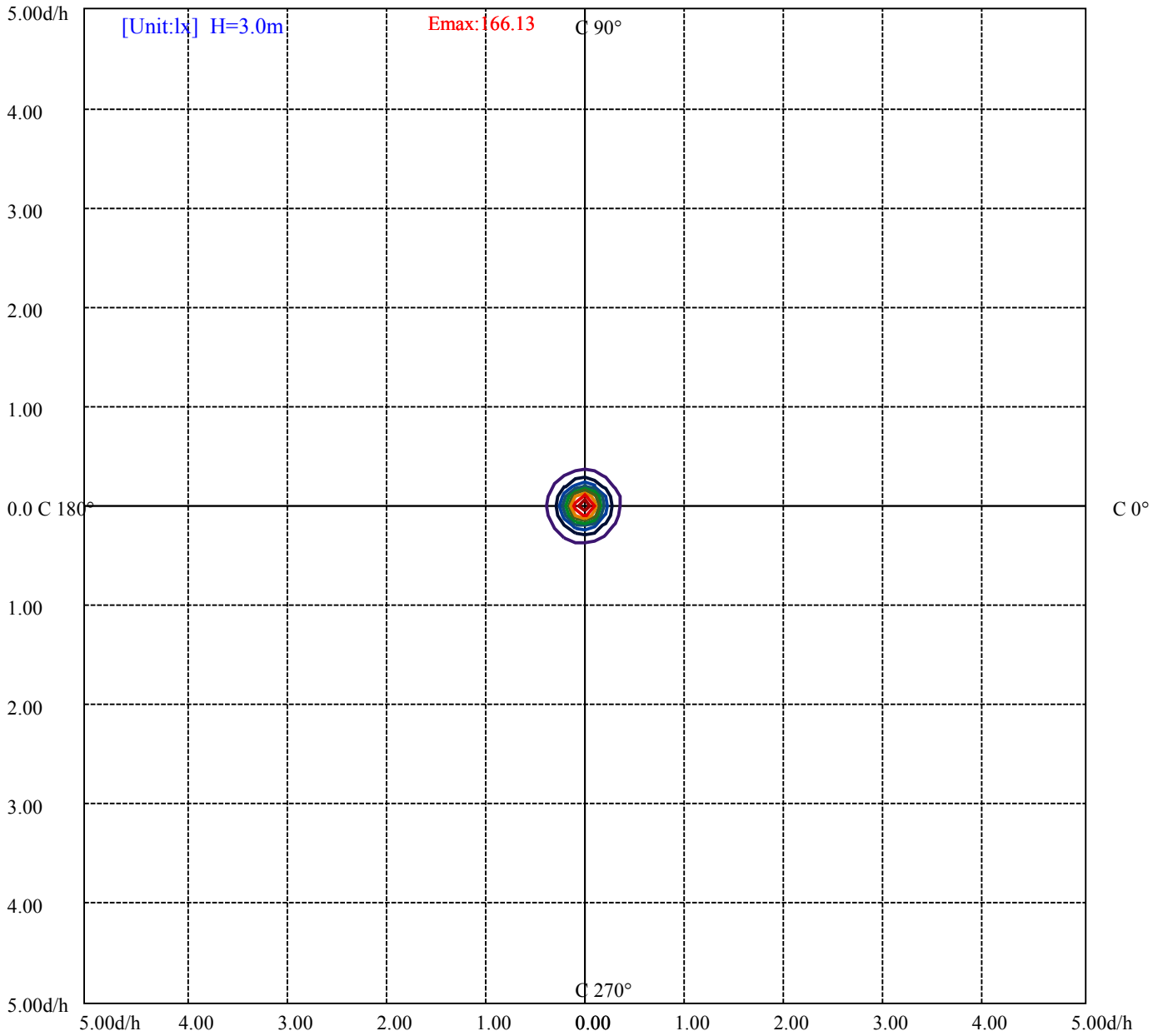


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角20.79

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平面等照度曲线



- (10%Emax) 16.61322
- (20%Emax) 33.22644
- (30%Emax) 49.83967
- (40%Emax) 66.45289
- (50%Emax) 83.06611
- (60%Emax) 99.67934
- (70%Emax) 116.2922
- (80%Emax) 132.9056
- (90%Emax) 149.5189

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

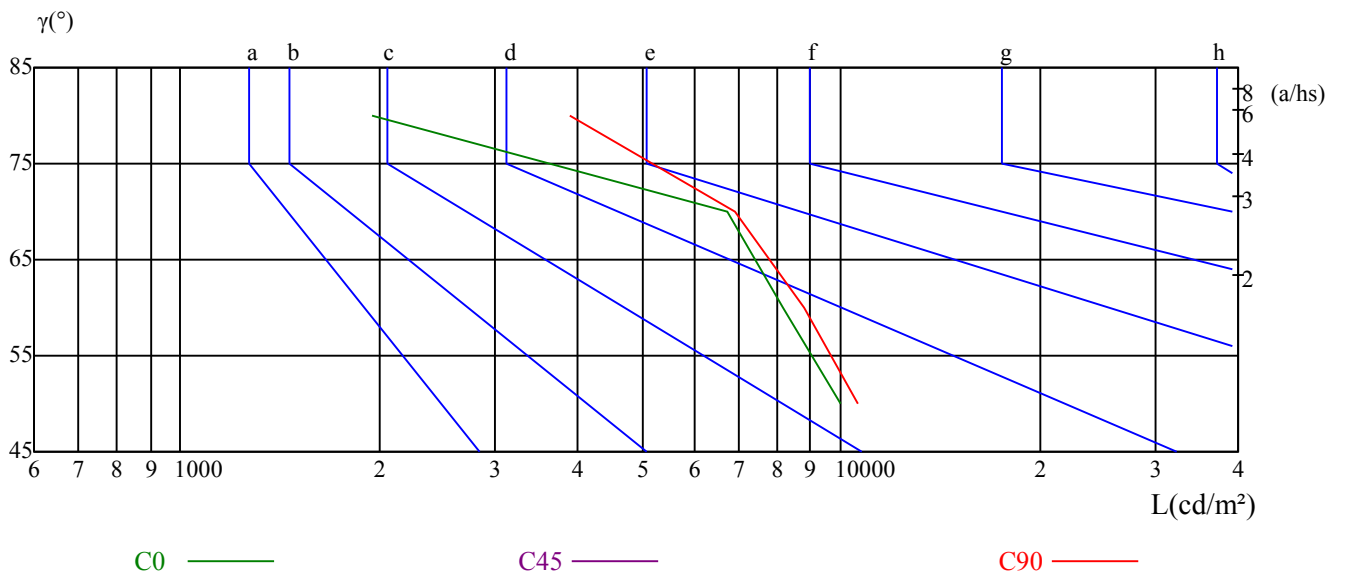
γ	45	50	55	60	65	70	75	80	85
C0	0	9980	0	8165	0	6731	0	1944	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10649	0	8779	0	6910	0	3889	0

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

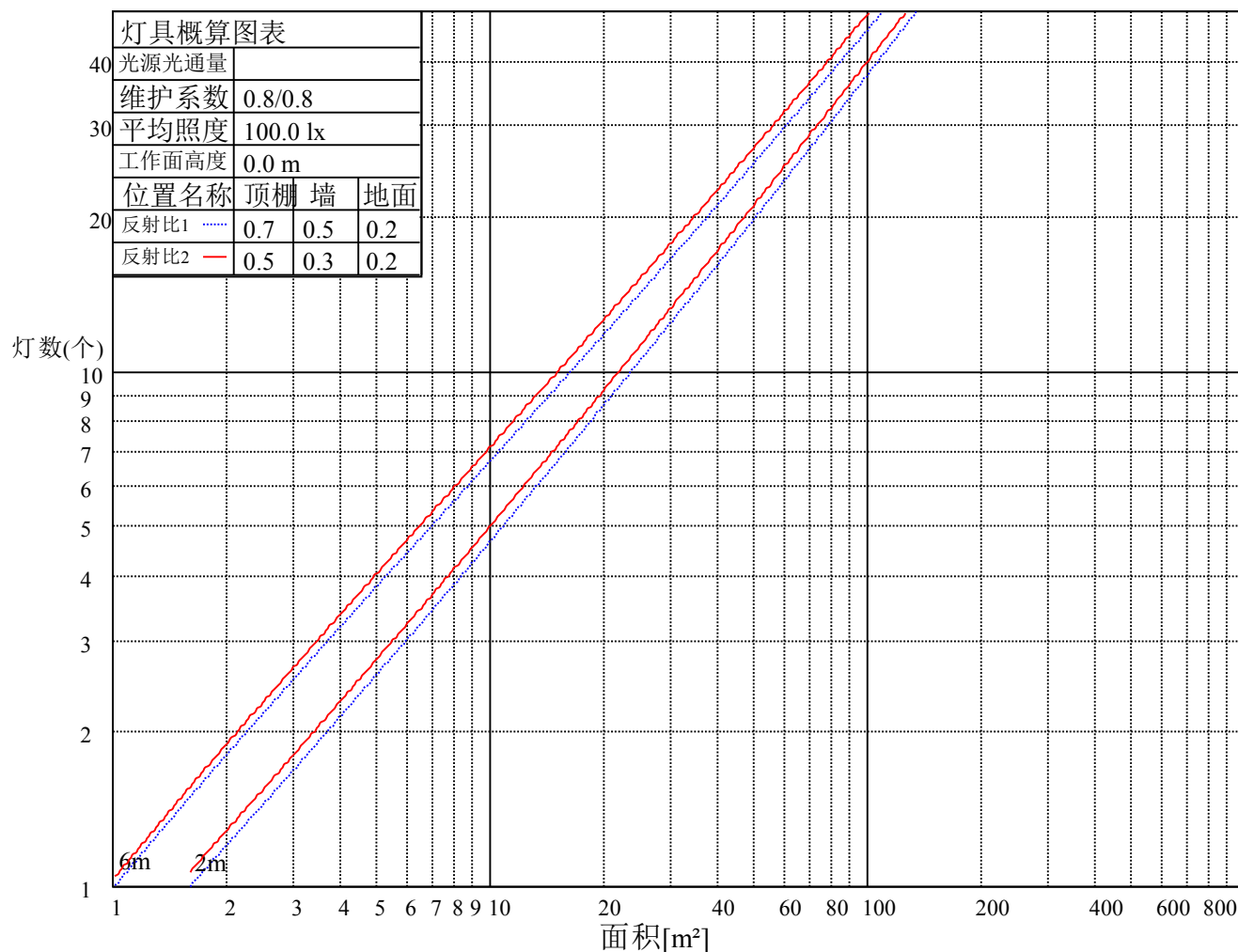
亮度限制曲线



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	19.16	20.21	19.52	20.52	20.84	19.16	20.22	19.53	20.53	20.85
	3H	20.55	21.49	20.94	21.82	22.19	20.55	21.48	20.93	21.81	22.18
	4H	20.94	21.81	21.35	22.16	22.55	20.93	21.80	21.34	22.15	22.54
	6H	21.07	21.87	21.49	22.24	22.64	21.05	21.84	21.47	22.22	22.61
	8H	21.06	21.81	21.50	22.20	22.61	21.04	21.78	21.47	22.17	22.58
	12H	21.04	21.75	21.47	22.13	22.56	21.01	21.72	21.44	22.10	22.54
4H	2H	19.56	20.43	19.96	20.78	21.17	19.57	20.43	19.97	20.79	21.17
	3H	21.11	21.82	21.53	22.23	22.64	21.12	21.82	21.53	22.23	22.64
	4H	21.57	22.20	22.01	22.62	23.07	21.57	22.20	22.01	22.63	23.07
	6H	21.72	22.27	22.19	22.72	23.19	21.72	22.26	22.19	22.71	23.18
	8H	21.72	22.22	22.19	22.67	23.15	21.70	22.21	22.18	22.66	23.13
	12H	21.69	22.12	22.18	22.61	23.09	21.68	22.11	22.17	22.60	23.08
8H	4H	21.64	22.15	22.12	22.60	23.07	21.65	22.15	22.12	22.60	23.07
	6H	21.84	22.23	22.34	22.74	23.22	21.83	22.23	22.34	22.73	23.22
	8H	21.85	22.20	22.38	22.72	23.22	21.84	22.19	22.37	22.71	23.21
	12H	22.48	22.78	23.00	23.28	23.86	22.48	22.79	23.00	23.29	23.87
12H	4H	21.60	22.04	22.09	22.53	23.00	21.60	22.04	22.09	22.53	23.01
	6H	22.12	22.15	22.33	22.62	23.17	22.11	22.15	22.33	22.62	23.17
	8H	21.83	22.14	22.35	22.64	23.21	21.82	22.13	22.34	22.63	23.21
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.6					0.4/-0.6					
S = 1.5H	1.1/-1.1					1.2/-1.1					
S = 2.0H	2.9/-1.4					2.7/-1.4					
标准表格	BK2					BK2					
更正系数	-0.4					-0.6					

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灯具的概算曲线



ROLED 投光灯

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	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.05	1.01	0.98	1.03	0.99	0.97	1.00	0.97	0.95	0.97	0.94	0.93	0.94	0.92	0.91	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	0.85	0.93	0.88	0.85	0.90	0.87	0.84	0.89	0.85	0.83	0.87	0.84	0.82	0.80
5	0.89	0.84	0.80	0.88	0.84	0.80	0.87	0.83	0.79	0.85	0.82	0.79	0.84	0.81	0.78	0.77
6	0.85	0.80	0.77	0.85	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.74
7	0.82	0.77	0.73	0.81	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.71
8	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.76	0.72	0.70	0.68
9	0.76	0.71	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
10	0.74	0.69	0.66	0.73	0.69	0.66	0.73	0.68	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.64

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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	1485.41	1441.52	1331.55	1163.27	941.65	707.29	506.16	367.73	267.05
30.0	1498.30	1461.24	1351.50	1188.44	962.83	735.07	530.18	376.78	277.71
60.0	1492.09	1448.12	1347.21	1178.61	952.16	718.42	529.57	375.09	276.64
90.0	1490.01	1461.31	1378.13	1227.57	1026.90	788.63	574.99	409.09	299.89
120.0	1487.25	1463.62	1374.75	1236.09	1024.29	788.40	586.51	415.53	304.19
150.0	1484.57	1474.90	1412.59	1282.90	1098.12	847.95	634.31	451.45	328.44
180.0	1485.41	1476.97	1409.29	1277.07	1074.86	851.48	632.39	450.76	329.28
210.0	1498.30	1485.72	1412.66	1270.77	1066.19	837.44	616.28	440.63	317.23
240.0	1492.09	1484.03	1416.19	1273.84	1087.60	844.04	630.86	454.82	327.06
270.0	1490.01	1467.61	1381.66	1213.68	1005.34	763.69	565.25	404.94	295.36
300.0	1487.25	1460.32	1373.37	1208.39	994.44	771.44	558.34	400.65	290.53
330.0	1484.57	1438.22	1328.87	1147.23	930.37	680.28	496.57	355.60	260.83
360.0	1485.41	1441.52	1331.55	1163.27	941.65	707.29	506.16	367.73	267.05
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	203.35	158.16	124.39	99.68	82.11	67.22	55.56	47.27	40.21
30.0	209.26	161.53	126.69	102.37	83.11	68.76	57.02	47.81	40.67
60.0	209.11	161.07	126.39	102.29	82.95	68.07	57.09	47.96	40.82
90.0	225.76	176.80	138.90	110.58	89.48	73.44	61.31	51.26	43.74
120.0	225.53	175.96	138.28	111.27	89.86	73.51	61.31	51.11	43.28
150.0	245.25	189.08	149.87	118.87	95.69	78.12	65.00	53.95	45.81
180.0	246.25	189.62	148.95	119.86	96.61	80.04	66.07	55.02	46.43
210.0	242.95	188.31	147.49	119.10	96.31	79.50	65.30	55.02	46.27
240.0	247.25	191.61	151.79	118.64	97.07	78.96	65.53	54.64	45.97
270.0	228.45	177.72	139.59	113.03	91.78	74.90	62.54	52.34	44.12
300.0	221.54	172.35	137.28	109.27	89.40	73.21	61.16	51.34	43.43
330.0	202.28	158.16	124.47	101.45	82.80	67.84	57.17	48.19	41.05
360.0	203.35	158.16	124.39	99.68	82.11	67.22	55.56	47.27	40.21
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	34.92	30.31	26.78	23.71	21.33	19.34	17.50	16.04	14.50
30.0	34.92	30.70	26.93	23.94	21.41	19.18	17.42	15.88	14.43
60.0	35.22	30.77	27.01	23.87	21.56	19.34	17.57	16.04	14.66
90.0	37.60	32.69	28.55	25.40	22.71	20.49	18.80	17.11	15.81
120.0	36.99	32.31	28.16	24.94	22.02	19.88	17.96	16.27	14.81
150.0	39.06	33.61	29.47	25.78	22.94	20.41	18.49	16.65	15.12
180.0	40.06	34.69	30.23	26.78	23.79	21.33	19.26	17.65	16.11
210.0	39.90	34.61	30.00	26.55	23.56	21.18	19.11	17.42	15.81
240.0	39.52	34.22	29.70	26.09	23.33	20.72	18.72	16.96	15.42
270.0	38.29	33.15	28.93	25.55	22.87	20.57	18.57	16.96	15.50
300.0	37.68	32.84	28.55	25.25	22.64	20.26	18.26	16.81	15.27
330.0	35.68	31.16	27.47	24.25	21.87	19.64	17.88	16.42	14.89
360.0	34.92	30.31	26.78	23.71	21.33	19.34	17.50	16.04	14.50
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	13.43	12.35	11.20	10.21	9.21	8.29	7.52	6.60	5.76
30.0	13.12	12.05	10.97	9.98	9.06	8.21	7.44	6.52	5.68
60.0	13.35	12.28	11.13	10.13	9.06	8.13	7.06	6.14	5.22
90.0	14.43	13.35	12.12	10.97	9.98	8.82	7.90	6.91	5.91
120.0	13.43	12.35	11.20	10.28	9.21	8.52	7.75	6.91	6.06
150.0	13.74	12.58	11.59	10.44	9.59	8.75	8.06	7.21	6.37
180.0	14.73	13.58	12.43	11.36	10.21	9.06	7.98	7.06	5.99
210.0	14.43	13.35	12.20	11.13	9.98	8.82	7.83	6.75	5.68
240.0	14.04	12.74	11.59	10.51	9.52	8.52	7.83	6.91	6.06
270.0	14.12	12.82	11.66	10.67	9.67	8.67	7.75	6.83	6.06
300.0	13.97	12.74	11.66	10.51	9.44	8.29	7.21	6.37	5.22
330.0	13.66	12.51	11.28	10.28	9.21	8.21	7.14	6.06	5.06
360.0	13.43	12.35	11.20	10.21	9.21	8.29	7.52	6.60	5.76

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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	4.83	3.91	2.84	1.84	0.84	0.31	0.23	0.08	0.00
30.0	4.76	3.91	2.92	2.00	0.92	0.38	0.31	0.15	0.00
60.0	4.14	3.22	2.53	2.00	1.23	0.54	0.23	0.15	0.00
90.0	4.76	3.91	2.99	2.23	1.69	0.77	0.31	0.15	0.08
120.0	5.14	4.22	3.15	2.30	1.15	0.54	0.23	0.15	0.00
150.0	5.29	4.45	3.45	2.46	1.53	0.61	0.23	0.15	0.08
180.0	4.91	3.99	3.07	2.30	1.69	0.84	0.38	0.23	0.08
210.0	4.68	3.76	2.92	2.15	1.61	0.77	0.31	0.23	0.08
240.0	5.14	4.14	3.22	2.38	1.23	0.46	0.23	0.15	0.00
270.0	5.06	4.07	2.99	2.15	1.07	0.38	0.23	0.08	0.00
300.0	4.22	3.38	2.61	1.84	1.30	0.54	0.31	0.23	0.00
330.0	4.07	3.15	2.38	1.69	1.00	0.38	0.23	0.23	0.00
360.0	4.83	3.91	2.84	1.84	0.84	0.31	0.23	0.08	0.00
C/γ(°)	90.0								
0.0	0.00								
30.0	0.00								
60.0	0.00								
90.0	0.00								
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	0.00								
330.0	0.00								
360.0	0.00								