

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1122A-3-24DC-RC-Y (30-XL-3RGBWN-AJ, CT)

报告编号:

电压(V): 24.4000

测试编号: 20210414002

电流(A): 0.5670

光源规格型号: XL

功率(W): 13.8000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 3

镇流器型号:

发光面长度(mm): 83

发光面宽度(mm): 83

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 572.43

灯具效能(lm/w): 41.48

中心光强(cd): 1405.142

最大光强(cd): 1412.202

最大光强角度: C=90.0 $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=30.3

[C90/270]Total=30.3

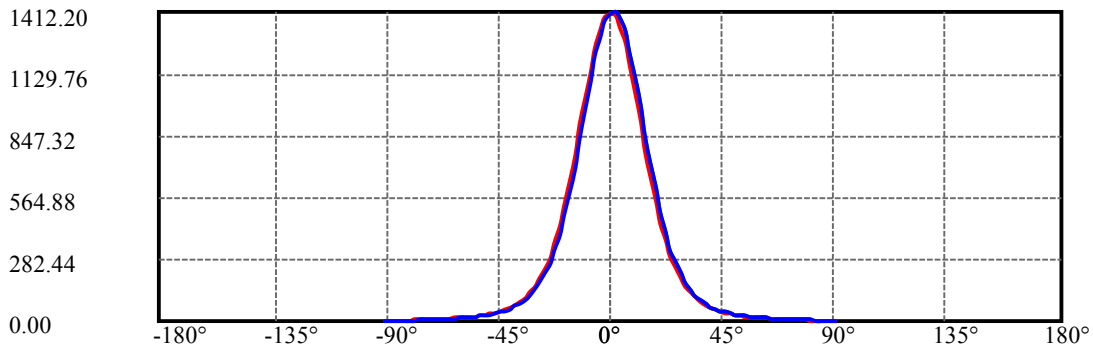
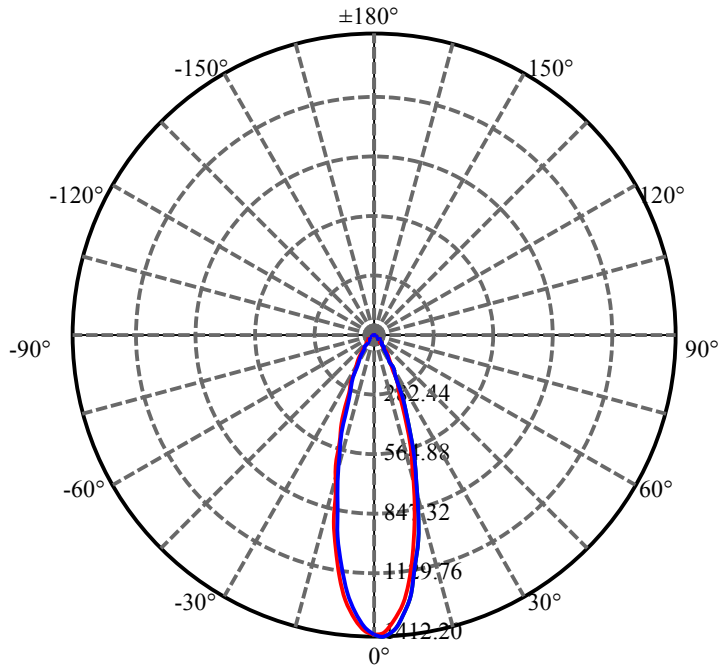
光束扩散角(10%Imax): [C0/180]Total=62.7

[C90/270]Total=62.7

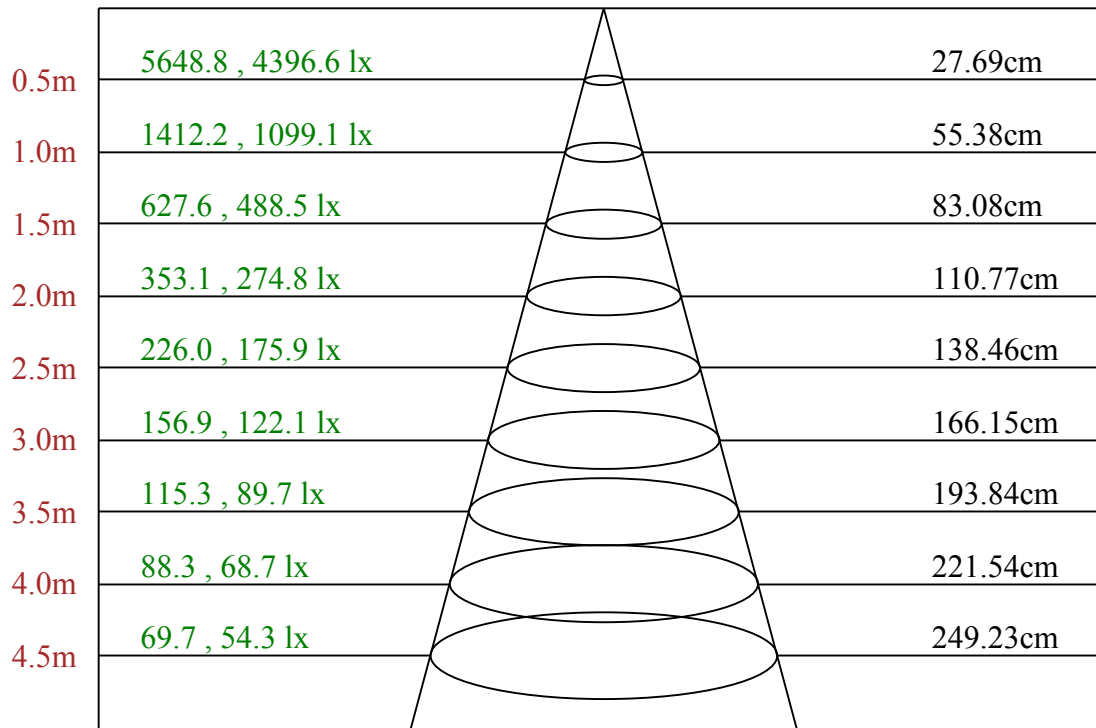
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/14
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

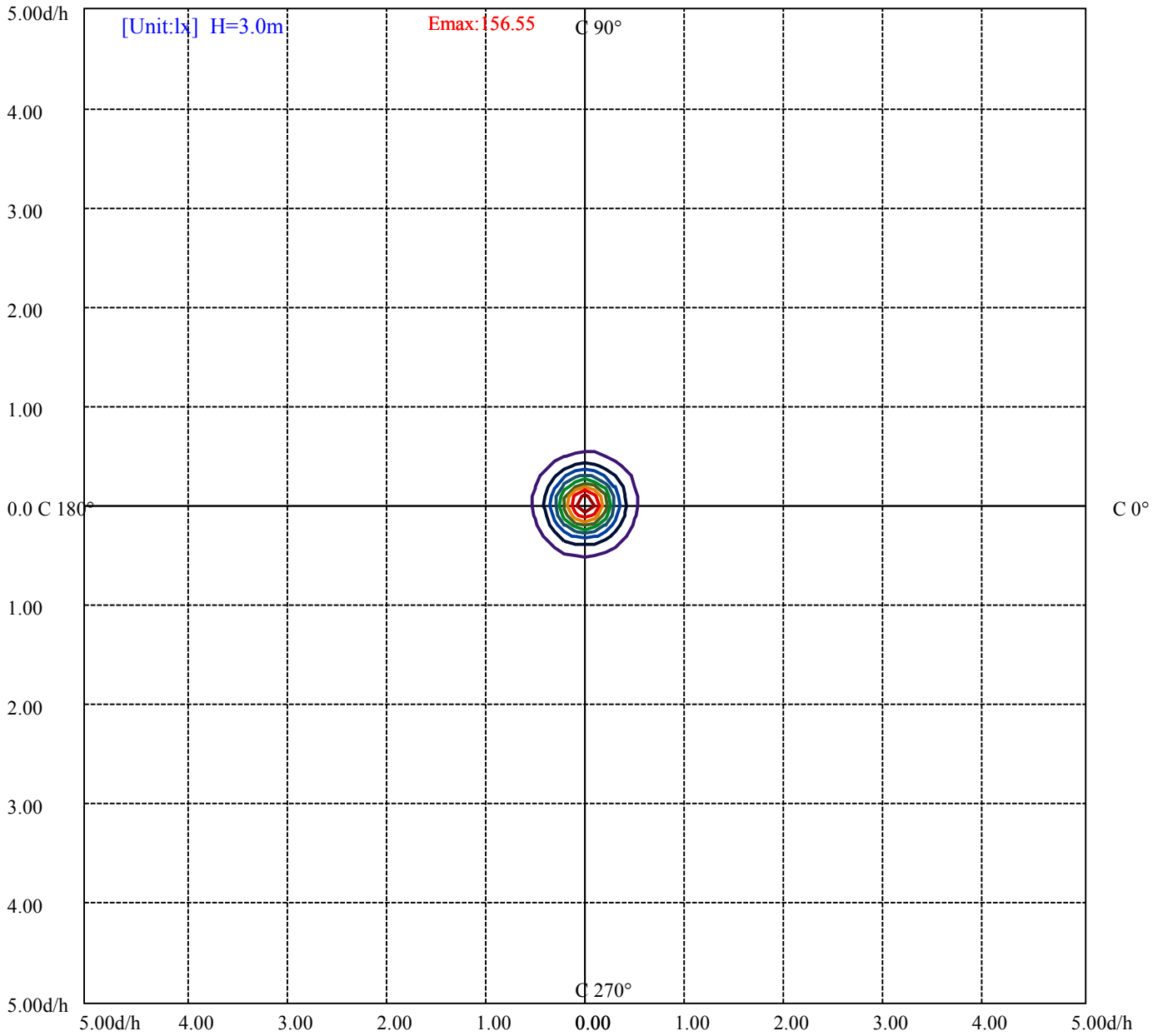


C90(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C90面光束角30.94

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平面等照度曲线



(10%Emax) 15.65489	—
(20%Emax) 31.30978	—
(30%Emax) 46.96467	—
(40%Emax) 62.61955	—
(50%Emax) 78.27444	—
(60%Emax) 93.92934	—
(70%Emax) 109.5842	—
(80%Emax) 125.2389	—
(90%Emax) 140.8945	—

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

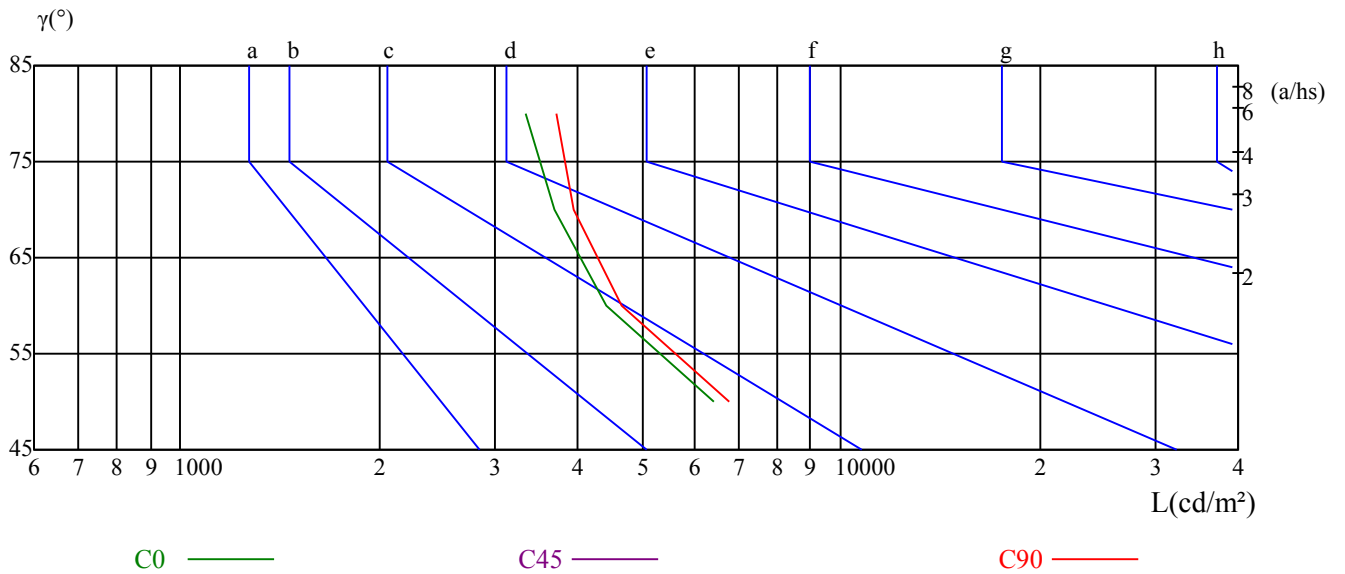
γ	45	50	55	60	65	70	75	80	85
C0	0	6447	0	4411	0	3680	0	3336	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6758	0	4656	0	3941	0	3721	0

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

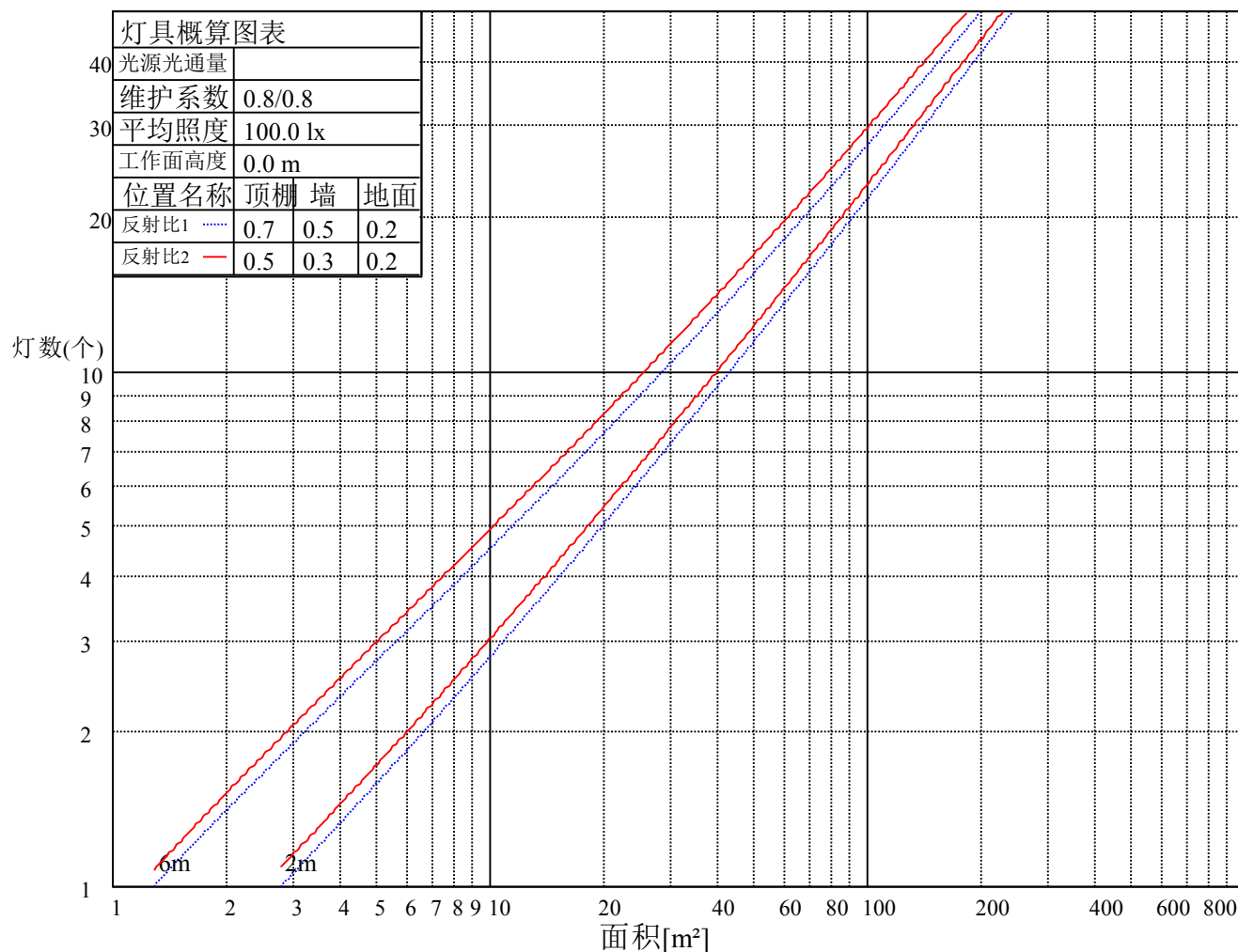
眩光等级表

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	14.53	15.59	14.90	15.90	16.22	14.58	15.64	14.95	15.95	16.27
	3H	15.85	16.78	16.23	17.11	17.48	15.88	16.82	16.26	17.15	17.52
	4H	16.38	17.25	16.79	17.60	17.99	16.41	17.28	16.81	17.63	18.02
	6H	16.80	17.59	17.22	17.97	18.36	16.82	17.61	17.23	17.99	18.38
	8H	16.94	17.69	17.38	18.08	18.49	16.95	17.70	17.39	18.09	18.50
	12H	17.14	17.85	17.57	18.23	18.67	17.13	17.85	17.57	18.23	18.66
4H	2H	14.91	15.78	15.32	16.13	16.52	14.95	15.82	15.35	16.17	16.56
	3H	16.46	17.17	16.87	17.58	17.98	16.50	17.21	16.91	17.62	18.02
	4H	17.12	17.76	17.56	18.18	18.63	17.16	17.79	17.59	18.21	18.66
	6H	17.58	18.12	18.04	18.57	19.04	17.60	18.14	18.06	18.59	19.06
	8H	17.77	18.28	18.25	18.73	19.21	17.79	18.29	18.26	18.74	19.22
	12H	17.99	18.43	18.48	18.92	19.39	17.98	18.42	18.47	18.91	19.39
8H	4H	17.33	17.84	17.81	18.29	18.77	17.36	17.87	17.84	18.32	18.79
	6H	17.94	18.34	18.45	18.84	19.33	17.95	18.36	18.46	18.86	19.34
	8H	18.22	18.58	18.76	19.11	19.60	18.23	18.59	18.76	19.11	19.60
	12H	18.93	19.24	19.45	19.74	20.32	18.92	19.23	19.44	19.73	20.31
12H	4H	17.33	17.77	17.82	18.26	18.74	17.36	17.80	17.85	18.29	18.77
	6H	18.31	18.34	18.51	18.81	19.36	18.33	18.35	18.53	18.82	19.37
	8H	18.32	18.64	18.84	19.13	19.71	18.32	18.64	18.84	19.13	19.71
对应照射距离，改变观察者位置S											
S = 1.0H	1.3/-1.3					1.3/-1.4					
S = 1.5H	2.4/-1.7					2.3/-1.7					
S = 2.0H	3.9/-1.7					3.9/-1.8					
标准表格	BK3					BK3					
更正系数	-0.5					-0.7					



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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	1.08	1.06	1.09	1.06	1.04	1.04	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.93
2	1.03	0.99	0.96	1.02	0.98	0.95	0.98	0.95	0.93	0.95	0.93	0.91	0.93	0.91	0.89	0.87
3	0.97	0.92	0.88	0.95	0.91	0.87	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.83	0.82
4	0.91	0.86	0.82	0.90	0.85	0.81	0.88	0.84	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.77
5	0.86	0.81	0.76	0.85	0.80	0.76	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.73
6	0.82	0.76	0.72	0.81	0.76	0.72	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.69
7	0.78	0.72	0.68	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.70	0.67	0.73	0.70	0.67	0.66
8	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.63
9	0.71	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.60
10	0.68	0.63	0.59	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.57

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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	1405.14	1392.33	1346.05	1267.55	1172.01	1047.08	911.57	779.65	658.41
30.0	1409.36	1407.29	1373.91	1302.93	1210.92	1091.82	967.66	833.29	702.99
60.0	1408.52	1409.59	1373.83	1306.84	1212.53	1090.52	967.43	831.61	701.77
90.0	1406.37	1412.20	1382.97	1320.35	1230.79	1111.16	981.09	851.79	721.49
120.0	1407.44	1405.30	1370.84	1302.08	1199.95	1074.63	943.49	815.03	686.88
150.0	1405.45	1400.23	1360.94	1293.11	1193.19	1071.18	941.11	815.80	688.03
180.0	1405.14	1385.96	1332.86	1249.60	1143.31	1016.08	893.76	760.32	639.07
210.0	1409.36	1380.82	1317.20	1225.35	1109.01	984.85	852.71	724.48	607.45
240.0	1408.52	1379.20	1315.90	1220.82	1111.85	980.48	852.17	722.87	602.54
270.0	1406.37	1371.45	1301.39	1209.77	1092.44	960.52	826.39	705.07	584.36
300.0	1407.44	1380.20	1319.12	1227.49	1115.23	990.68	852.32	723.33	607.15
330.0	1405.45	1379.28	1318.81	1235.86	1124.51	993.91	859.61	735.15	612.14
360.0	1405.14	1392.33	1346.05	1267.55	1172.01	1047.08	911.57	779.65	658.41
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	543.84	446.54	367.19	297.20	242.95	196.29	161.84	133.45	109.81
30.0	590.88	486.29	394.58	321.76	264.05	215.25	176.65	146.80	120.86
60.0	586.43	482.37	397.88	324.60	266.66	216.63	177.57	145.88	119.86
90.0	606.84	498.26	404.87	327.90	267.89	216.40	175.65	144.27	117.33
120.0	578.22	475.31	385.91	316.08	255.08	205.50	166.29	135.90	109.81
150.0	573.38	475.85	386.68	314.70	254.54	208.19	169.21	138.82	112.27
180.0	530.18	439.17	356.98	290.61	237.89	192.69	157.16	128.54	105.90
210.0	503.40	415.07	335.88	273.95	223.54	183.94	151.48	125.01	103.67
240.0	495.26	410.78	332.89	273.19	222.85	181.79	149.10	123.09	101.98
270.0	481.91	397.73	322.76	263.29	217.47	177.80	147.11	118.18	96.54
300.0	498.79	408.93	330.28	270.50	220.54	180.49	146.57	119.63	96.92
330.0	509.77	414.84	335.88	273.26	224.00	181.56	148.72	122.86	99.68
360.0	543.84	446.54	367.19	297.20	242.95	196.29	161.84	133.45	109.81
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	89.86	74.44	61.70	52.18	44.43	37.83	32.84	28.55	25.02
30.0	99.91	82.88	69.75	58.78	50.49	43.13	37.22	32.46	28.39
60.0	99.91	83.03	69.98	59.09	50.11	42.82	37.29	32.38	28.16
90.0	95.77	78.50	65.46	54.87	46.35	39.67	34.22	29.93	25.86
120.0	90.24	73.74	60.85	50.88	43.20	36.76	31.69	27.70	24.10
150.0	91.32	75.28	61.54	51.72	43.66	37.37	32.15	27.78	24.17
180.0	86.87	71.67	60.39	50.72	43.36	36.91	32.08	27.86	24.40
210.0	86.18	72.82	60.78	52.34	44.89	38.68	34.07	29.70	26.24
240.0	84.49	71.52	59.55	51.18	44.05	38.14	33.15	29.01	25.55
270.0	79.58	66.30	55.10	46.66	39.75	34.30	29.70	25.94	22.79
300.0	80.11	66.45	55.17	46.96	40.13	34.30	29.77	26.17	22.87
330.0	81.88	68.14	56.63	47.81	40.75	35.30	30.46	26.55	23.33
360.0	89.86	74.44	61.70	52.18	44.43	37.83	32.84	28.55	25.02
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	21.72	19.18	17.04	15.19	13.66	12.12	10.90	9.67	8.67
30.0	24.79	21.72	19.18	16.88	15.04	13.43	11.97	10.74	9.52
60.0	24.86	21.79	19.34	17.19	15.35	13.66	12.20	10.97	9.75
90.0	22.94	20.18	17.96	16.04	14.27	12.89	11.51	10.36	9.29
120.0	21.18	18.72	16.73	14.89	13.35	12.05	10.74	9.52	8.44
150.0	21.33	18.80	16.58	14.73	13.05	11.74	10.44	9.29	8.29
180.0	21.41	18.88	16.81	15.04	13.28	11.89	10.67	9.44	8.36
210.0	23.10	20.49	18.03	16.19	14.43	12.89	11.59	10.36	9.29
240.0	22.41	19.88	17.57	15.73	13.97	12.43	11.05	9.98	8.75
270.0	20.11	17.73	15.65	14.04	12.43	11.13	9.98	8.82	7.83
300.0	20.11	17.96	15.88	14.35	12.66	11.43	10.13	9.06	8.06
330.0	20.57	18.26	16.19	14.43	12.89	11.66	10.44	9.36	8.44
360.0	21.72	19.18	17.04	15.19	13.66	12.12	10.90	9.67	8.67

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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	7.60	6.68	5.83	4.83	3.99	3.07	2.15	1.38	0.46
30.0	8.36	7.29	6.29	5.29	4.37	3.38	2.53	1.61	0.77
60.0	8.67	7.44	6.52	5.53	4.53	3.53	2.61	1.69	0.84
90.0	8.29	7.37	6.37	5.37	4.45	3.53	2.61	1.84	0.84
120.0	7.60	6.60	5.76	4.83	3.99	3.15	2.38	1.61	0.69
150.0	7.21	6.29	5.37	4.60	3.76	2.99	2.23	1.46	0.54
180.0	7.44	6.45	5.60	4.60	3.76	2.92	2.15	1.30	0.46
210.0	8.21	7.21	6.06	5.06	3.91	2.99	2.23	1.30	0.23
240.0	7.75	6.68	5.68	4.76	3.84	2.92	2.07	1.23	0.31
270.0	6.91	5.91	4.99	4.14	3.38	2.53	1.76	1.07	0.15
300.0	7.14	6.29	5.29	4.37	3.45	2.69	2.00	1.15	0.23
330.0	7.37	6.45	5.53	4.60	3.61	2.76	2.00	1.23	0.23
360.0	7.60	6.68	5.83	4.83	3.99	3.07	2.15	1.38	0.46

C/γ(°)	90.0
0.0	0.00
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	0.00
330.0	0.00
360.0	0.00