

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3653A1-36-36DC-PC-A3(30-CL-36RGBWN-AA, L1000mm, C, CT)

报告编号:

电压(V): 35.9000

测试编号: 20210407005

电流(A): 1.7020

光源规格型号: CL

功率(W): 61.2000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 36

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 30

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2996.75

灯具效能(lm/w): 48.97

中心光强(cd): 6232.628

最大光强(cd): 6321.644

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=31.5

[C90/270]Total=31.8

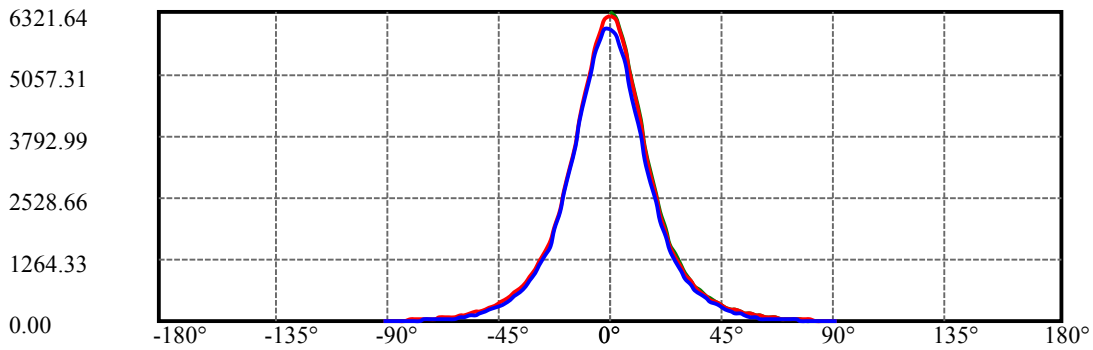
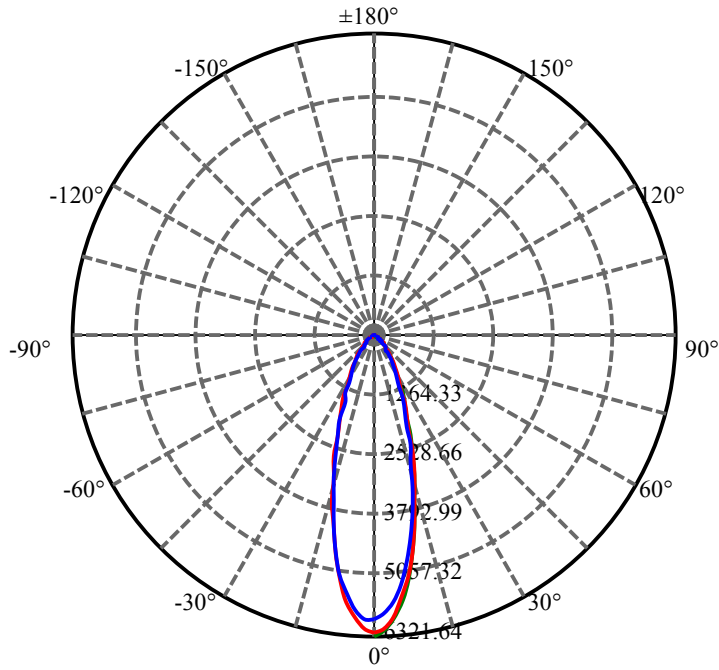
光束扩散角(10%Imax): [C0/180]Total=72.5

[C90/270]Total=71.0

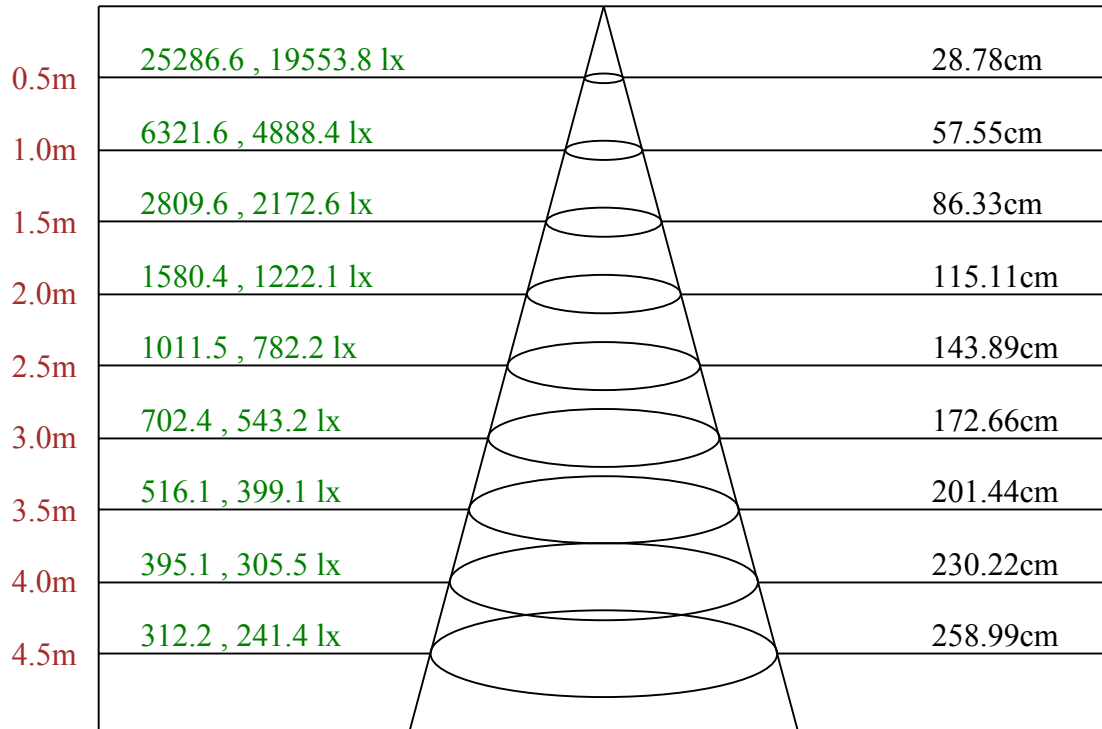
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/7
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

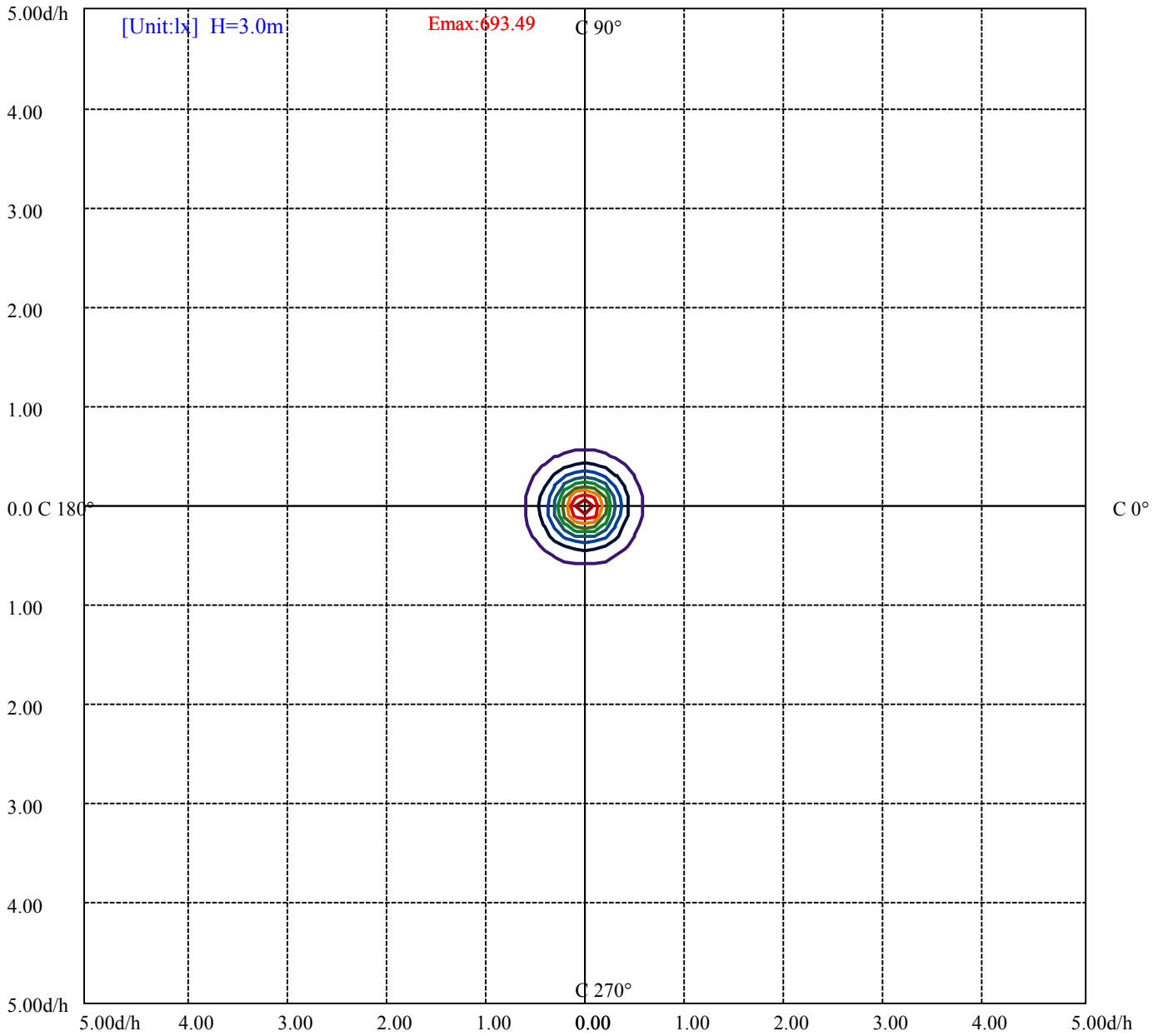


C30(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C30面光束角32.11

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平面等照度曲线



(10%Emax) 69.34922	——
(20%Emax) 138.6989	——
(30%Emax) 208.0478	——
(40%Emax) 277.3967	——
(50%Emax) 346.7455	——
(60%Emax) 416.0956	——
(70%Emax) 485.4445	——
(80%Emax) 554.7933	——
(90%Emax) 624.1422	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

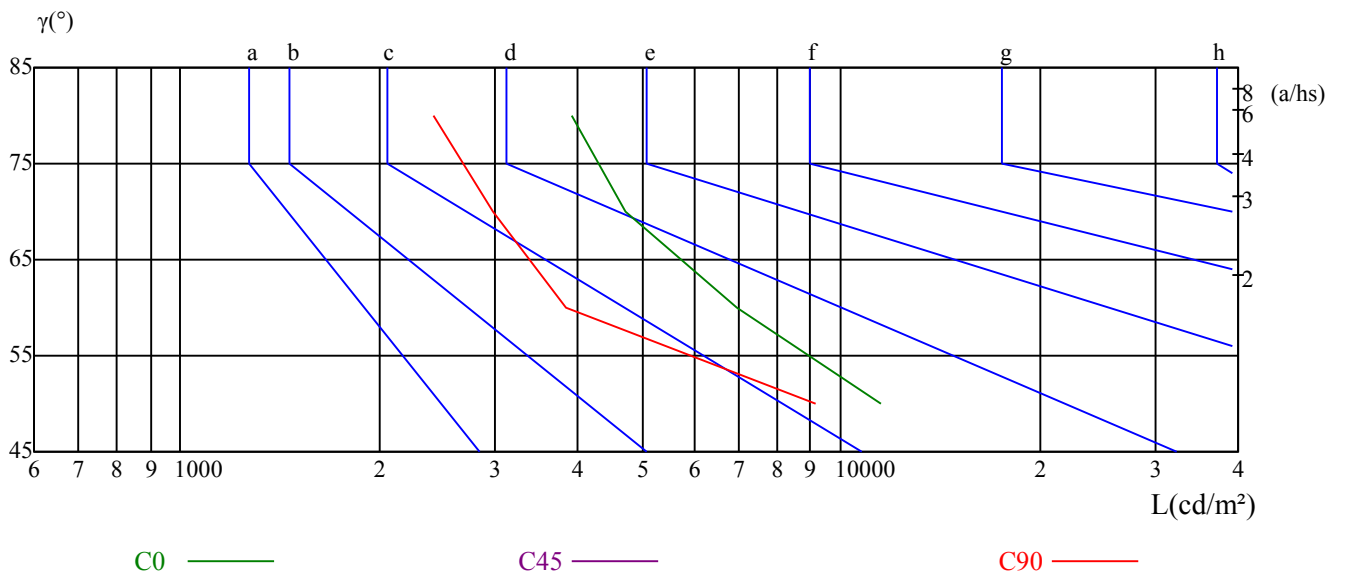
γ	45	50	55	60	65	70	75	80	85
C0	0	11508	0	6948	0	4732	0	3908	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9173	0	3842	0	2976	0	2420	0

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

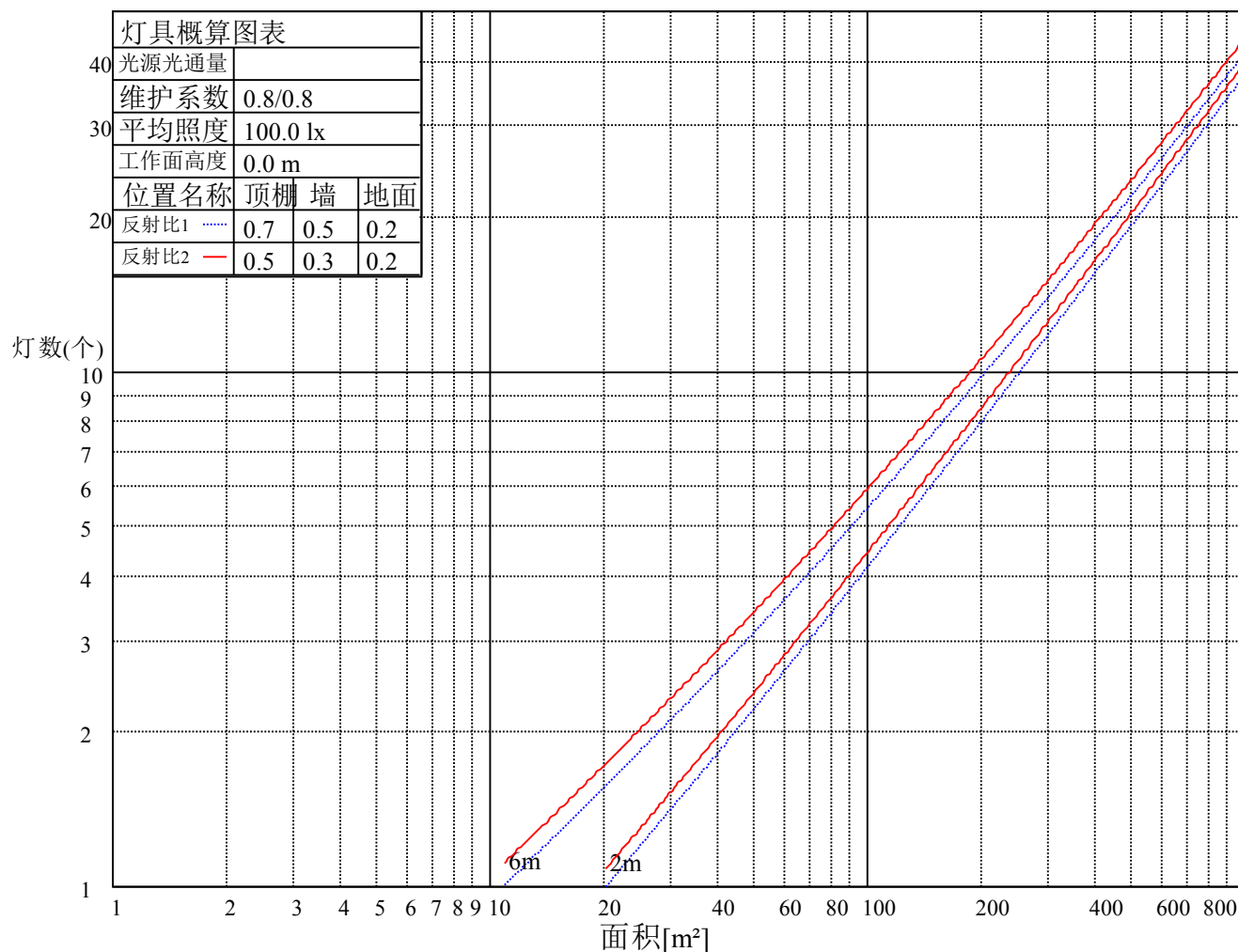
亮度限制曲线



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	9.62	10.71	9.98	11.03	11.34	11.80	12.90	12.16	13.21	13.52
	3H	10.19	11.16	10.58	11.49	11.86	12.60	13.57	12.98	13.90	14.27
	4H	10.39	11.28	10.79	11.64	12.02	12.87	13.77	13.27	14.12	14.51
	6H	10.53	11.36	10.95	11.73	12.13	13.06	13.89	13.48	14.26	14.65
	8H	10.59	11.37	11.03	11.76	12.17	13.13	13.90	13.56	14.29	14.70
	12H	10.71	11.45	11.15	11.84	12.27	13.23	13.97	13.67	14.36	14.79
4H	2H	9.92	10.81	10.32	11.17	11.55	11.84	12.74	12.25	13.09	13.48
	3H	10.61	11.34	11.02	11.75	12.15	12.81	13.54	13.22	13.95	14.35
	4H	10.85	11.51	11.29	11.93	12.38	13.14	13.79	13.58	14.21	14.66
	6H	11.03	11.59	11.50	12.04	12.51	13.36	13.92	13.83	14.37	14.84
	8H	11.13	11.65	11.61	12.10	12.58	13.45	13.97	13.93	14.42	14.90
	12H	11.29	11.74	11.78	12.23	12.71	13.58	14.03	14.07	14.52	15.00
8H	4H	10.94	11.46	11.41	11.91	12.38	13.09	13.61	13.56	14.06	14.53
	6H	11.20	11.61	11.70	12.11	12.60	13.34	13.76	13.85	14.26	14.74
	8H	11.37	11.74	11.90	12.26	12.76	13.46	13.83	13.99	14.35	14.85
	12H	12.02	12.34	12.54	12.84	13.42	14.18	14.51	14.70	15.00	15.58
12H	4H	10.91	11.36	11.40	11.85	12.32	13.04	13.50	13.53	13.98	14.46
	6H	11.55	11.56	11.72	12.03	12.58	13.67	13.68	13.84	14.15	14.69
	8H	11.40	11.73	11.92	12.23	12.80	13.44	13.77	13.96	14.27	14.84
对应照射距离，改变观察者位置S											
S = 1.0H	1.5/-2.3					1.1/-1.5					
S = 1.5H	3.1/-3.9					2.4/-2.5					
S = 2.0H	5.2/-4.1					4.6/-2.9					
标准表格	BK1					BK2					
更正系数	-1.3					0.5					

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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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.93
2	1.02	0.98	0.95	1.01	0.97	0.94	0.98	0.94	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.86
3	0.96	0.90	0.86	0.94	0.89	0.86	0.91	0.88	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.80
4	0.89	0.84	0.80	0.88	0.83	0.79	0.86	0.82	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.75
5	0.84	0.78	0.74	0.83	0.78	0.73	0.81	0.76	0.73	0.80	0.75	0.72	0.78	0.74	0.72	0.70
6	0.79	0.73	0.69	0.78	0.73	0.69	0.77	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.66
7	0.75	0.69	0.65	0.74	0.69	0.65	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.62
8	0.71	0.65	0.61	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.59
9	0.67	0.62	0.58	0.67	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.57	0.64	0.60	0.57	0.56
10	0.64	0.59	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.62	0.57	0.54	0.53

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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	6232.63	6146.68	5920.31	5555.03	5100.75	4600.42	4050.98	3516.88	2996.60
30.0	6321.64	6223.42	5968.65	5591.10	5152.93	4624.98	4104.69	3572.14	3064.13
60.0	6161.26	6022.37	5735.37	5344.77	4891.25	4364.83	3836.11	3339.62	2853.10
90.0	5977.86	5859.68	5614.12	5247.32	4803.01	4295.00	3801.58	3298.95	2822.41
120.0	6277.14	6138.24	5848.94	5452.97	4966.46	4459.22	3925.90	3424.80	2933.68
150.0	6255.65	6164.33	5934.12	5568.85	5116.86	4598.88	4091.65	3572.14	3103.27
180.0	6232.63	6164.33	5924.14	5590.33	5139.12	4653.37	4127.72	3599.76	3127.06
210.0	6321.64	6265.63	6050.76	5706.98	5283.38	4769.24	4264.31	3729.45	3218.37
240.0	6161.26	6154.36	5988.60	5700.84	5302.57	4842.14	4318.02	3793.91	3272.86
270.0	5977.86	5953.30	5774.50	5472.93	5064.68	4605.02	4096.25	3572.14	3093.29
300.0	6277.14	6264.86	6086.83	5786.78	5370.10	4891.25	4320.33	3800.81	3262.88
330.0	6255.65	6191.96	5967.88	5618.73	5162.14	4664.11	4126.18	3579.04	3084.08
360.0	6232.63	6146.68	5920.31	5555.03	5100.75	4600.42	4050.98	3516.88	2996.60
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2559.97	2160.16	1807.94	1537.05	1302.24	1100.42	938.50	808.81	689.87
30.0	2607.54	2227.69	1880.84	1590.00	1359.02	1151.06	977.64	839.51	715.96
60.0	2425.68	2048.13	1739.64	1479.50	1248.90	1064.81	905.81	770.75	656.49
90.0	2414.93	2041.99	1717.39	1458.01	1231.64	1039.03	880.18	753.56	642.29
120.0	2500.88	2117.19	1803.33	1523.24	1297.40	1106.02	939.73	797.61	677.21
150.0	2655.89	2267.60	1927.65	1639.88	1409.67	1200.18	1032.12	883.25	755.10
180.0	2681.98	2282.94	1939.16	1665.21	1427.78	1229.49	1054.91	905.04	776.97
210.0	2765.62	2375.03	2015.90	1716.62	1477.97	1254.97	1079.31	911.34	783.80
240.0	2803.99	2405.72	2028.94	1728.90	1462.62	1229.34	1041.33	891.69	753.56
270.0	2643.61	2253.78	1893.12	1530.45	1340.91	1137.10	962.37	813.34	697.16
300.0	2800.92	2371.96	1987.50	1685.16	1405.07	1186.36	999.89	853.32	719.80
330.0	2624.43	2233.83	1875.47	1524.78	1341.37	1133.03	970.88	824.09	706.98
360.0	2559.97	2160.16	1807.94	1537.05	1302.24	1100.42	938.50	808.81	689.87
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	597.02	514.14	441.24	388.29	334.12	288.00	249.70	217.47	186.40
30.0	612.37	523.35	451.98	389.06	339.72	293.83	254.39	220.31	192.38
60.0	566.78	486.36	419.75	360.05	309.18	264.97	228.60	194.84	164.76
90.0	550.21	468.87	399.80	342.94	295.13	249.63	209.65	173.35	140.20
120.0	582.13	496.88	426.51	364.27	311.55	266.36	229.52	194.99	163.68
150.0	651.50	558.65	478.84	412.08	358.29	308.87	268.58	231.82	199.90
180.0	673.91	579.91	499.02	433.87	374.40	322.99	278.79	241.88	207.50
210.0	671.53	578.29	495.49	426.89	369.49	318.77	276.41	238.42	208.04
240.0	643.06	554.05	471.94	403.64	347.54	298.66	256.46	221.69	188.77
270.0	595.64	504.24	428.66	368.80	313.55	267.74	229.52	191.23	158.62
300.0	612.37	526.42	446.61	387.52	327.52	281.47	241.65	208.96	177.72
330.0	605.31	521.97	447.00	385.45	331.74	286.77	250.78	216.86	188.16
360.0	597.02	514.14	441.24	388.29	334.12	288.00	249.70	217.47	186.40
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	160.54	139.05	118.71	102.14	88.48	75.51	64.84	55.86	47.58
30.0	166.60	143.50	123.55	104.67	88.86	74.05	62.77	52.49	43.66
60.0	138.51	113.42	91.09	72.52	59.01	48.34	41.21	35.91	30.54
90.0	113.11	86.94	69.14	56.48	48.57	42.82	38.29	34.22	29.93
120.0	136.21	109.89	86.56	67.15	53.18	42.44	35.84	30.54	25.94
150.0	172.28	148.33	126.00	106.13	89.71	74.97	63.08	52.41	42.59
180.0	177.49	152.86	130.38	111.19	94.92	81.34	69.14	59.24	50.19
210.0	180.41	156.01	133.29	113.03	94.77	79.42	67.15	55.71	46.50
240.0	160.07	134.67	108.74	88.79	70.37	56.02	45.74	38.45	33.15
270.0	128.38	103.37	81.27	65.38	53.64	46.12	40.98	36.30	31.92
300.0	150.79	125.16	102.83	82.49	64.61	50.80	41.05	34.07	28.85
330.0	164.45	141.58	121.40	103.29	87.33	73.28	62.08	51.80	42.82
360.0	160.54	139.05	118.71	102.14	88.48	75.51	64.84	55.86	47.58

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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	40.75	34.69	29.62	24.63	19.95	15.58	11.36	7.29	3.15
30.0	34.92	27.09	20.64	14.89	10.13	5.76	3.15	2.61	1.15
60.0	25.55	19.88	14.50	10.67	8.75	7.90	5.99	3.53	1.00
90.0	25.55	20.41	16.42	13.28	12.35	10.59	7.67	4.45	1.30
120.0	21.41	17.04	12.28	7.21	19.26	12.12	17.19	13.74	2.07
150.0	33.76	25.94	19.41	13.97	9.67	5.37	2.99	2.53	1.15
180.0	42.74	36.45	31.08	25.78	21.03	16.73	12.51	8.44	4.22
210.0	37.60	29.01	21.79	15.96	10.90	6.60	3.45	2.69	1.76
240.0	28.39	23.48	18.57	13.58	10.36	8.67	7.67	5.91	3.30
270.0	27.70	23.25	18.11	14.50	12.20	11.20	9.67	7.14	3.84
300.0	24.56	20.18	15.81	11.05	8.29	6.91	6.37	4.83	2.69
330.0	35.07	27.24	20.34	14.66	10.13	5.83	3.15	2.53	1.53
360.0	40.75	34.69	29.62	24.63	19.95	15.58	11.36	7.29	3.15

C/γ(°)	90.0
0.0	0.15
30.0	0.00
60.0	0.08
90.0	0.23
120.0	0.54
150.0	0.08
180.0	0.08
210.0	0.23
240.0	0.69
270.0	0.84
300.0	0.46
330.0	0.15
360.0	0.15