

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(25-CL-36RGBWN-AA, L1000mm, C, CT)

报告编号:

电压(V): 35.9000

测试编号: 20210408008

电流(A): 1.7030

光源规格型号: CL

功率(W): 61.1000

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): 2996.33

灯具效能(lm/w): 49.04

中心光强(cd): 8071.261

最大光强(cd): 8192.507

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=27.4

[C90/270]Total=26.3

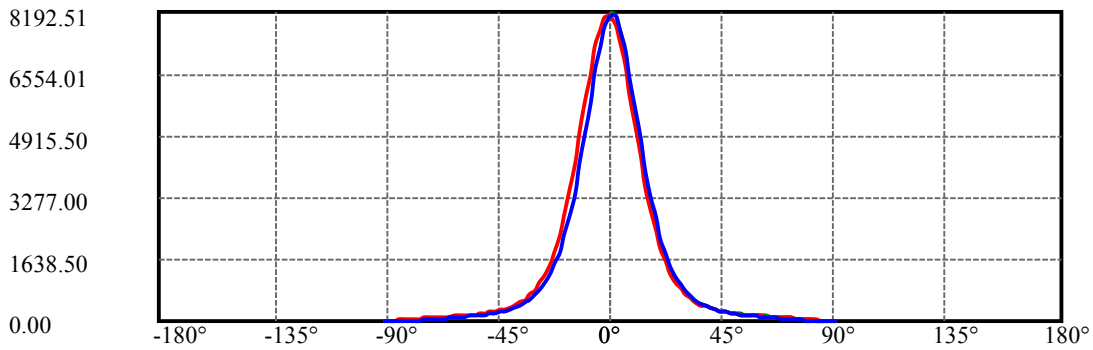
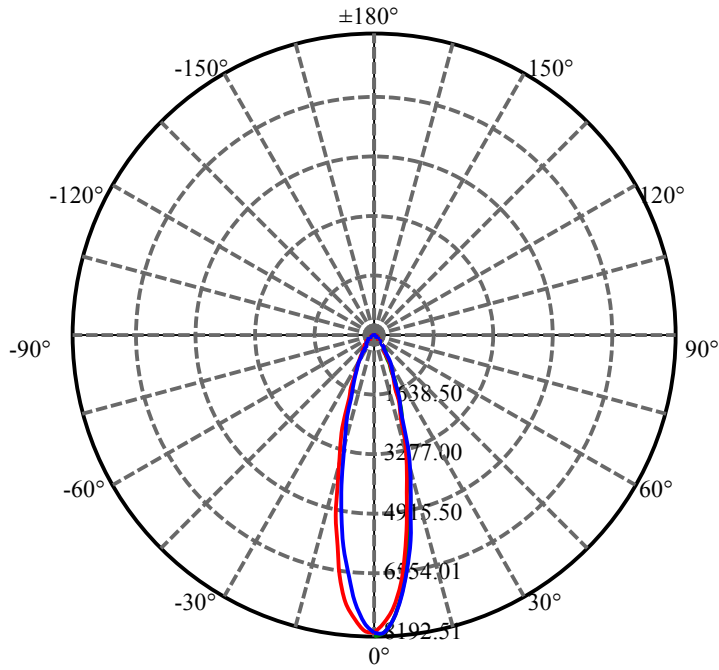
光束扩散角(10%Imax): [C0/180]Total=59.0

[C90/270]Total=58.3

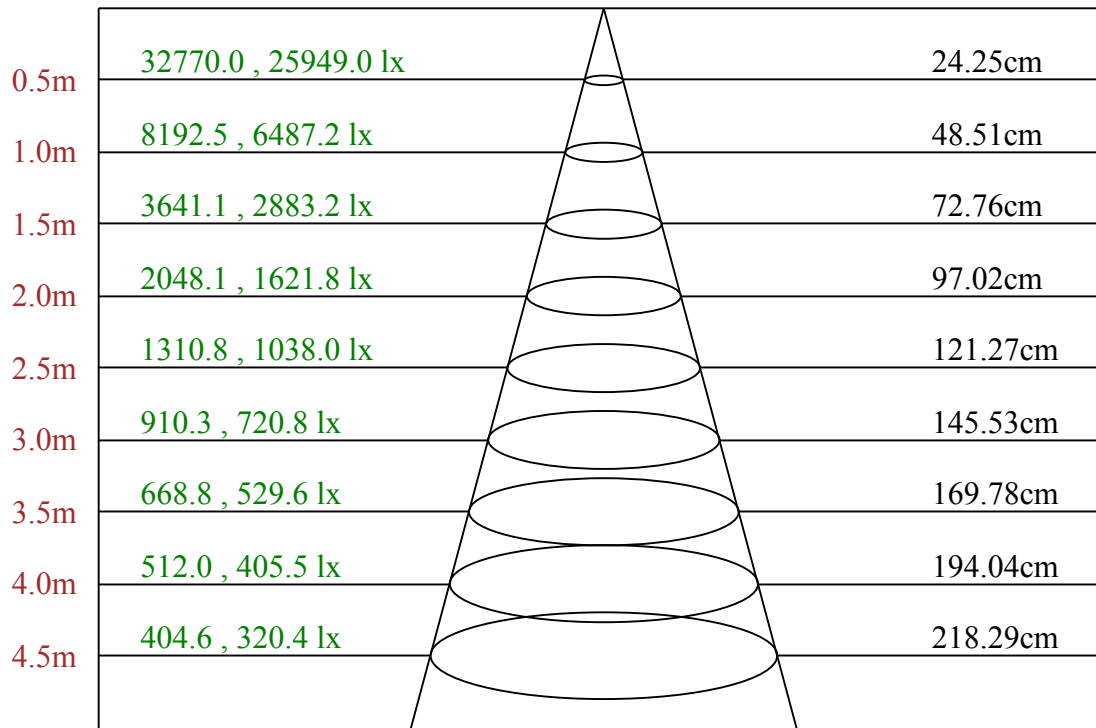
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/8
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

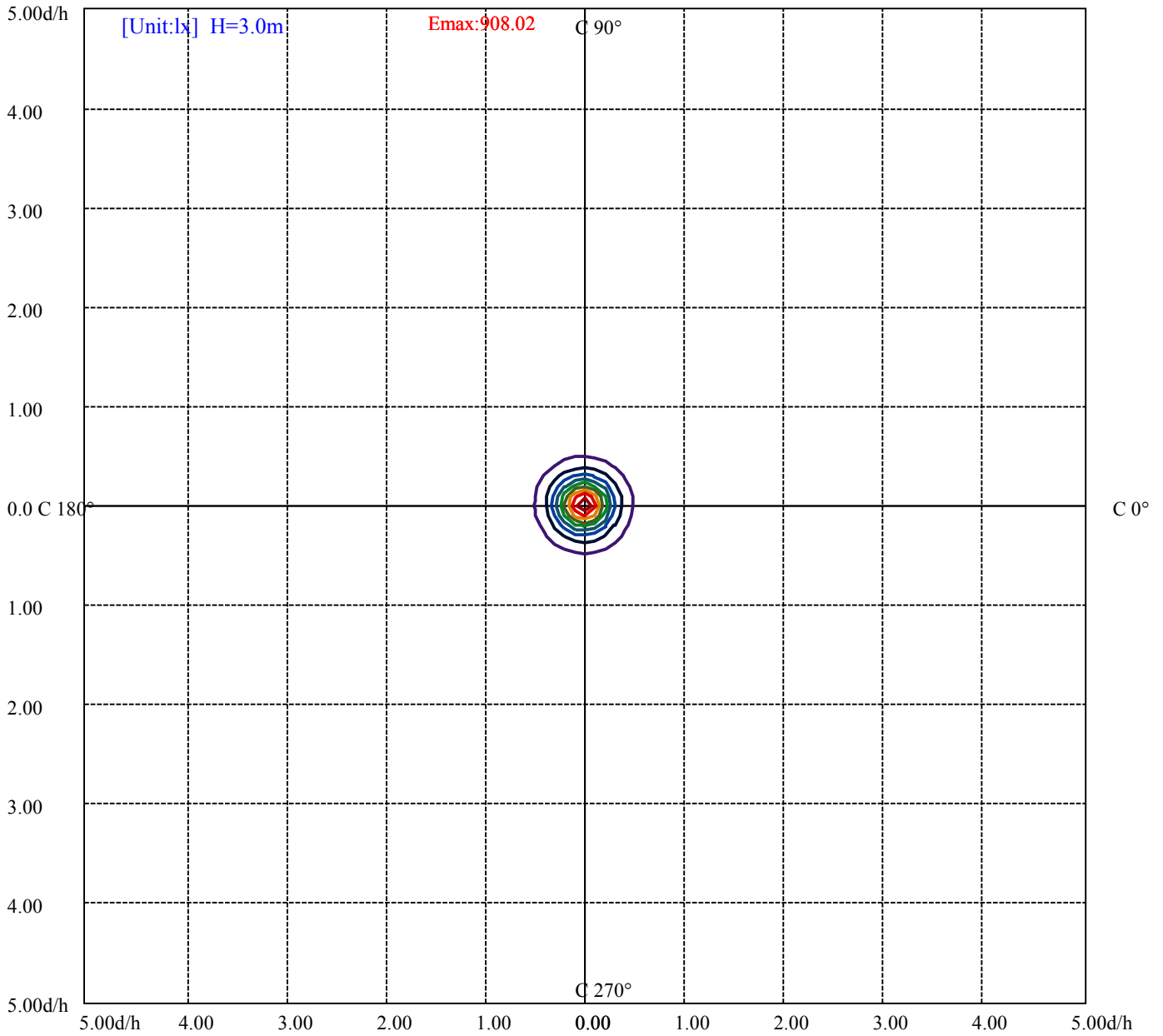


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角27.27

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平面等照度曲线



(10%Emax) 90.80178	——
(20%Emax) 181.6033	——
(30%Emax) 272.4055	——
(40%Emax) 363.2067	——
(50%Emax) 454.0089	——
(60%Emax) 544.8111	——
(70%Emax) 635.6122	——
(80%Emax) 726.4144	——
(90%Emax) 817.2156	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

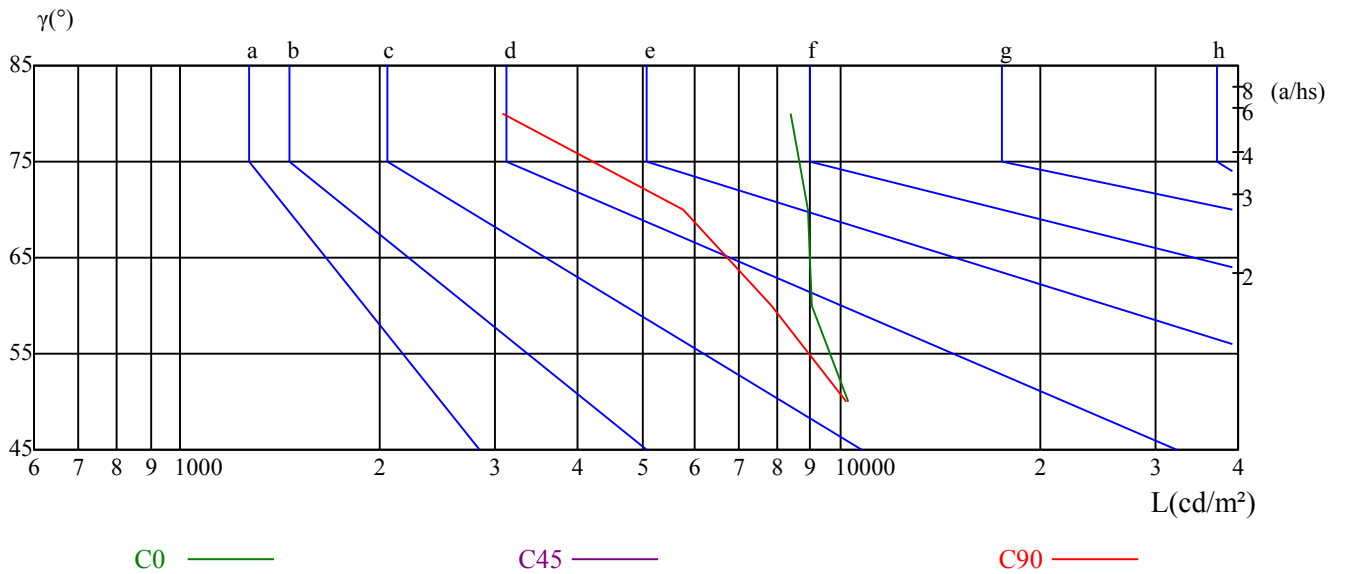
γ	45	50	55	60	65	70	75	80	85
C0	0	10277	0	9068	0	8936	0	8417	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10180	0	7862	0	5785	0	3081	0

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

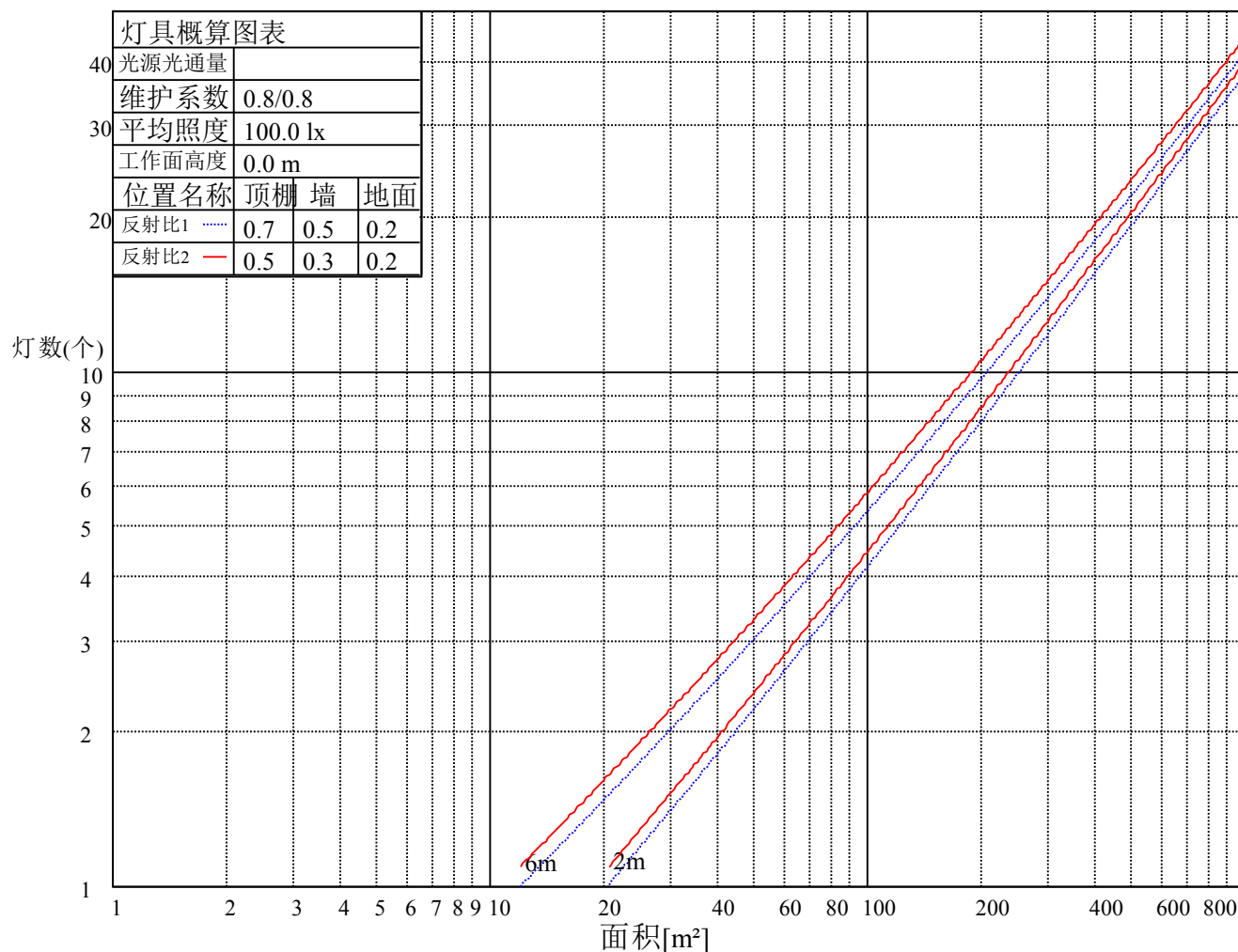
亮度限制曲线



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	11.86	12.98	12.22	13.29	13.61	12.64	13.76	13.00	14.07	14.39
	3H	12.99	13.99	13.37	14.32	14.68	14.55	15.55	14.93	15.88	16.25
	4H	13.25	14.17	13.65	14.53	14.91	15.31	16.24	15.72	16.59	16.98
	6H	13.35	14.20	13.77	14.57	14.97	15.88	16.73	16.30	17.10	17.50
	8H	13.37	14.17	13.80	14.56	14.97	16.07	16.88	16.51	17.27	17.68
	12H	13.43	14.20	13.86	14.58	15.01	16.32	17.09	16.76	17.47	17.90
4H	2H	12.45	13.38	12.85	13.73	14.12	13.07	14.00	13.48	14.35	14.74
	3H	13.71	14.47	14.13	14.88	15.29	15.22	15.98	15.64	16.39	16.80
	4H	14.02	14.70	14.46	15.12	15.57	16.10	16.78	16.53	17.20	17.65
	6H	14.14	14.72	14.60	15.17	15.64	16.65	17.23	17.12	17.68	18.15
	8H	14.17	14.71	14.64	15.16	15.63	16.88	17.42	17.35	17.87	18.34
	12H	14.24	14.71	14.73	15.20	15.68	17.13	17.60	17.62	18.09	18.57
8H	4H	14.28	14.83	14.76	15.28	15.75	16.16	16.70	16.63	17.15	17.62
	6H	14.43	14.87	14.94	15.37	15.85	16.77	17.21	17.28	17.71	18.19
	8H	14.49	14.87	15.01	15.39	15.89	17.04	17.43	17.57	17.95	18.44
	12H	15.22	15.56	15.74	16.06	16.63	17.80	18.13	18.32	18.63	19.21
12H	4H	14.28	14.76	14.77	15.25	15.72	16.11	16.59	16.60	17.07	17.55
	6H	14.85	14.84	14.98	15.31	15.85	17.13	17.12	17.27	17.59	18.14
	8H	14.53	14.87	15.05	15.37	15.94	17.03	17.36	17.55	17.86	18.44
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-0.7					0.4/-0.6					
S = 1.5H	1.3/-1.3					0.9/-0.8					
S = 2.0H	3.1/-1.8					1.6/-0.9					
标准表格	BK3					BK3					
更正系数	1.3					2.3					

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灯具的概算曲线



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	1.00	1.00	0.99	0.97	0.97	0.96	0.95	0.93
2	1.02	0.98	0.95	1.01	0.97	0.94	0.97	0.94	0.91	0.94	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	0.92	0.88	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.80
4	0.90	0.84	0.80	0.89	0.83	0.79	0.86	0.82	0.78	0.84	0.81	0.78	0.83	0.79	0.77	0.75
5	0.85	0.79	0.75	0.84	0.78	0.74	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.72	0.71
6	0.80	0.74	0.70	0.79	0.74	0.70	0.78	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.67
7	0.76	0.70	0.66	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.65	0.72	0.68	0.65	0.64
8	0.73	0.67	0.63	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.61
9	0.69	0.64	0.60	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.58
10	0.67	0.61	0.58	0.66	0.61	0.57	0.65	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.56

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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	8071.26	7852.56	7418.99	6772.09	6004.72	5205.11	4382.48	3631.22	2946.72
30.0	8192.51	8088.14	7729.78	7120.48	6369.99	5523.57	4719.36	3924.36	3199.96
60.0	8151.84	8052.84	7646.90	7024.56	6241.84	5436.09	4605.02	3809.25	3134.73
90.0	8095.82	8082.00	7754.33	7181.10	6482.03	5643.28	4843.68	4050.98	3321.97
120.0	8088.91	8070.49	7739.75	7224.08	6503.51	5725.39	4900.46	4099.32	3404.85
150.0	8056.68	8085.07	7864.84	7395.20	6746.00	5961.74	5175.95	4368.67	3646.57
180.0	8071.26	8034.43	7745.89	7270.89	6584.85	5828.22	5011.73	4202.15	3490.79
210.0	8192.51	8037.50	7621.58	7009.21	6238.77	5436.09	4612.70	3823.07	3150.85
240.0	8151.84	7965.36	7508.01	6884.90	6109.08	5301.80	4430.06	3704.89	3010.42
270.0	8095.82	7806.52	7296.21	6596.36	5822.08	4971.83	4172.22	3427.10	2809.36
300.0	8088.91	7828.77	7346.09	6656.22	5872.73	5073.12	4222.10	3521.49	2855.41
330.0	8056.68	7762.01	7263.21	6587.16	5790.62	4991.01	4196.01	3453.96	2803.99
360.0	8071.26	7852.56	7418.99	6772.09	6004.72	5205.11	4382.48	3631.22	2946.72
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2403.42	1937.62	1570.05	1266.94	1031.35	849.49	696.78	588.58	496.49
30.0	2612.92	2104.91	1691.30	1365.16	1118.83	912.41	758.93	630.78	530.26
60.0	2540.01	2044.29	1596.14	1357.41	1102.03	909.49	751.72	626.03	526.73
90.0	2723.42	2203.90	1782.61	1450.34	1190.97	968.43	803.44	666.08	560.18
120.0	2775.60	2240.74	1805.64	1489.17	1208.31	994.52	818.25	678.05	566.86
150.0	2972.81	2407.26	1936.09	1576.96	1276.91	1038.26	858.69	709.82	596.25
180.0	2817.04	2293.69	1844.77	1516.87	1228.57	1010.79	832.22	690.02	578.68
210.0	2559.97	2087.26	1679.02	1371.76	1114.31	912.64	763.69	635.77	539.70
240.0	2461.74	1995.18	1606.12	1318.35	1077.40	880.18	731.31	617.74	519.51
270.0	2282.18	1848.61	1527.62	1247.06	1025.37	839.13	697.93	583.59	498.79
300.0	2334.36	1888.51	1519.40	1246.99	1018.31	831.07	688.34	580.14	487.28
330.0	2291.38	1840.94	1504.21	1219.82	989.99	809.97	677.67	564.33	479.23
360.0	2403.42	1937.62	1570.05	1266.94	1031.35	849.49	696.78	588.58	496.49
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	430.50	387.52	331.05	296.28	264.90	236.43	213.33	194.22	177.03
30.0	453.52	387.52	340.10	298.43	266.13	238.50	217.09	198.44	183.10
60.0	452.52	388.98	337.49	297.74	263.29	235.20	212.26	193.99	177.42
90.0	479.61	407.48	354.14	306.11	269.96	238.73	214.17	192.38	173.96
120.0	483.75	412.77	355.06	310.48	271.80	240.19	214.40	193.92	175.42
150.0	502.63	426.66	378.09	320.99	280.94	248.71	223.69	202.28	184.71
180.0	492.43	427.35	371.56	329.36	292.06	260.83	233.97	211.72	191.92
210.0	460.58	398.27	342.71	303.11	268.12	240.27	218.93	199.67	184.86
240.0	443.54	388.29	334.88	293.98	261.98	233.44	210.87	192.69	175.65
270.0	427.04	366.19	317.85	277.94	244.95	218.32	197.22	177.88	161.30
300.0	418.22	362.12	312.71	274.18	244.03	217.17	195.83	178.80	162.53
330.0	409.40	351.77	307.72	271.27	240.65	216.40	197.68	180.87	167.21
360.0	430.50	387.52	331.05	296.28	264.90	236.43	213.33	194.22	177.03
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	164.30	152.78	142.35	133.29	124.39	115.80	107.13	98.91	89.86
30.0	170.20	159.00	149.18	139.59	130.53	121.25	111.58	101.91	92.39
60.0	163.76	150.79	138.51	126.46	115.18	102.75	90.17	78.12	64.00
90.0	157.70	142.89	129.46	115.57	103.14	91.55	80.57	69.29	58.17
120.0	159.77	146.72	133.91	121.71	109.66	97.84	85.56	74.05	62.23
150.0	170.20	158.31	147.26	136.98	127.61	117.72	108.43	98.22	89.09
180.0	175.19	161.84	150.48	140.43	131.14	122.32	113.34	104.82	95.69
210.0	170.97	159.54	148.95	139.74	129.84	120.25	111.19	101.06	90.78
240.0	161.46	149.02	135.52	124.16	112.11	99.91	87.33	74.90	62.46
270.0	147.34	132.99	120.09	106.90	94.39	83.11	72.75	60.55	50.11
300.0	149.02	136.59	125.31	113.57	101.98	90.17	78.27	66.38	54.02
330.0	156.01	145.03	135.37	126.00	116.72	107.20	98.15	88.40	78.81
360.0	164.30	152.78	142.35	133.29	124.39	115.80	107.13	98.91	89.86

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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	80.65	71.06	61.70	51.95	42.97	32.84	23.02	13.35	4.83
30.0	81.96	70.91	58.78	44.51	28.55	16.04	6.83	4.76	2.92
60.0	47.65	38.22	30.08	20.18	12.43	10.97	9.44	6.06	2.99
90.0	48.27	38.45	29.39	20.03	15.73	14.96	12.28	7.83	3.61
120.0	49.88	39.98	30.93	22.18	14.12	12.35	10.82	7.44	3.38
150.0	79.12	69.14	57.25	43.51	28.24	16.50	8.21	5.29	3.38
180.0	86.02	76.51	66.53	57.09	47.42	37.99	27.86	18.03	8.52
210.0	79.96	68.45	54.79	39.52	23.94	13.20	5.22	4.37	2.15
240.0	49.34	38.52	27.78	18.34	11.74	10.90	9.06	5.99	2.23
270.0	40.75	30.93	21.87	14.81	14.27	12.35	9.82	5.37	1.69
300.0	43.20	33.46	24.94	16.50	11.43	10.67	8.75	5.53	1.76
330.0	68.99	57.55	45.51	31.08	18.11	9.36	4.91	3.91	1.61
360.0	80.65	71.06	61.70	51.95	42.97	32.84	23.02	13.35	4.83

C/γ(°)	90.0
0.0	0.23
30.0	0.31
60.0	0.23
90.0	0.31
120.0	0.38
150.0	0.61
180.0	0.84
210.0	0.15
240.0	0.15
270.0	0.00
300.0	0.08
330.0	0.23
360.0	0.23