

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3833S6--24-36DC(30-OD-24WN-AA.L1000.C.CT)

报告编号:

电压(V): 35.9000

测试编号: 20210406001

电流(A): 0.6520

光源规格型号: OD

功率(W): 23.4000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 24

镇流器型号:

发光面长度(mm): 995

发光面宽度(mm): 20

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1973.65

灯具效能(lm/w): 84.34

中心光强(cd): 4141.528

最大光强(cd): 4176.828

最大光强角度: $C=30.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=32.8

[C90/270]Total=32.5

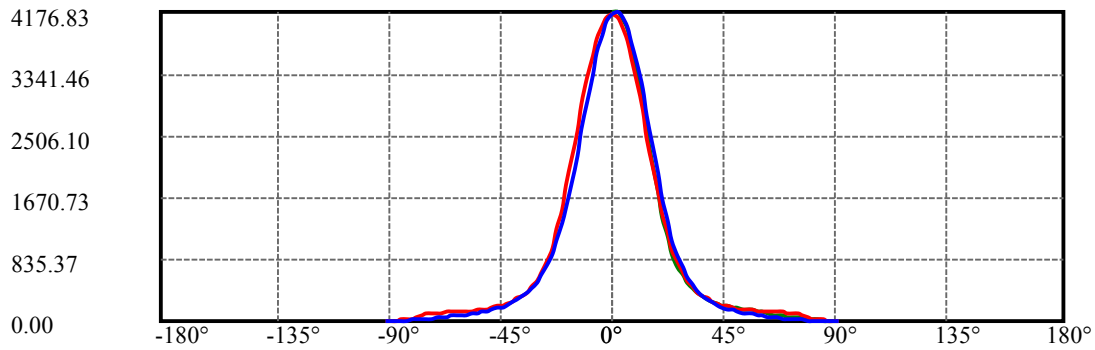
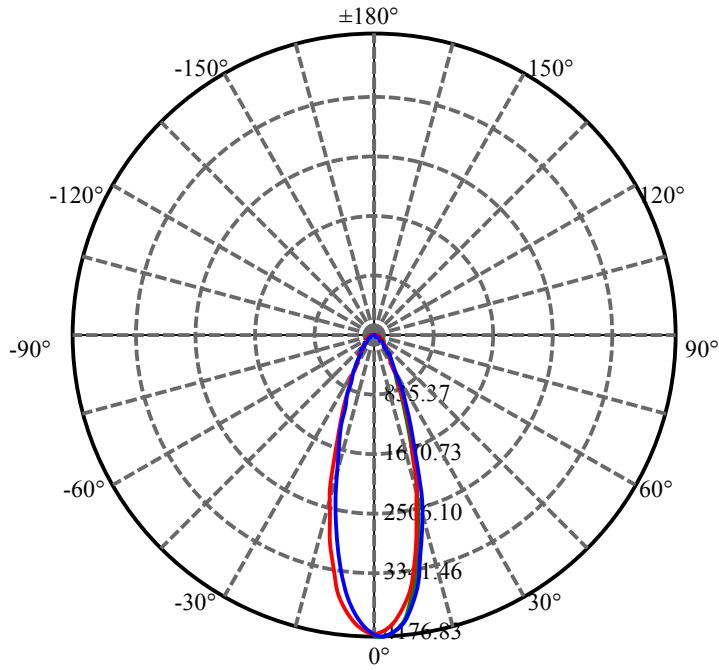
光束扩散角(10%Imax): [C0/180]Total=66.8

[C90/270]Total=66.7

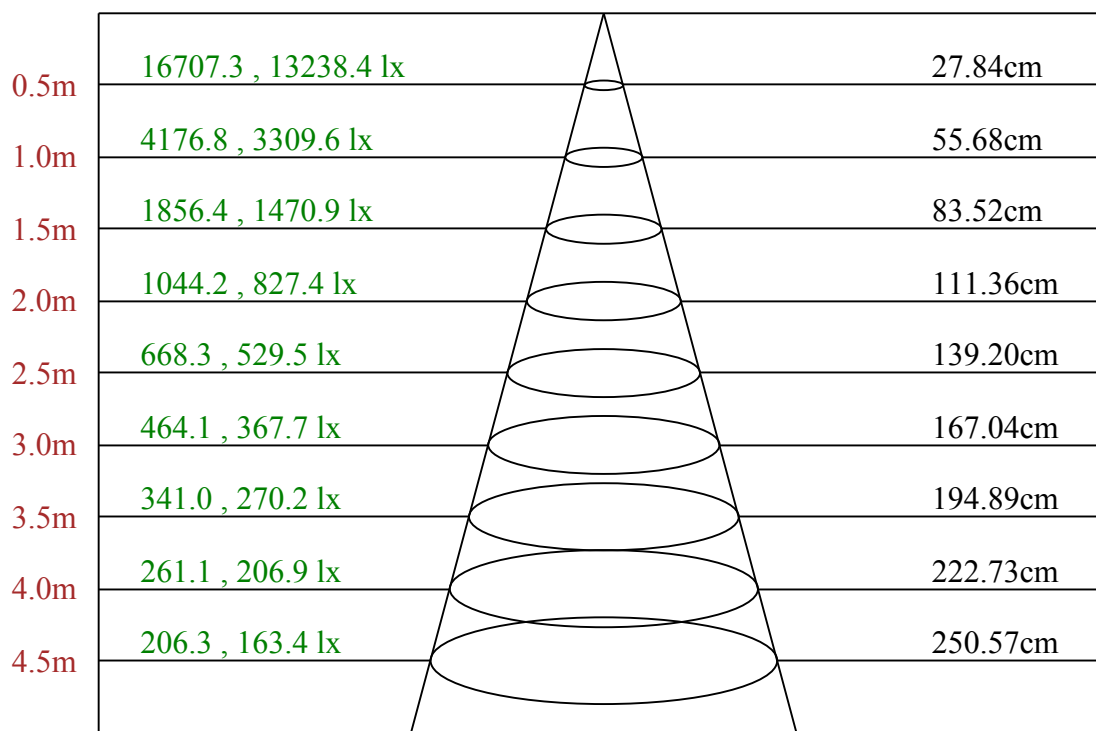
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/6
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

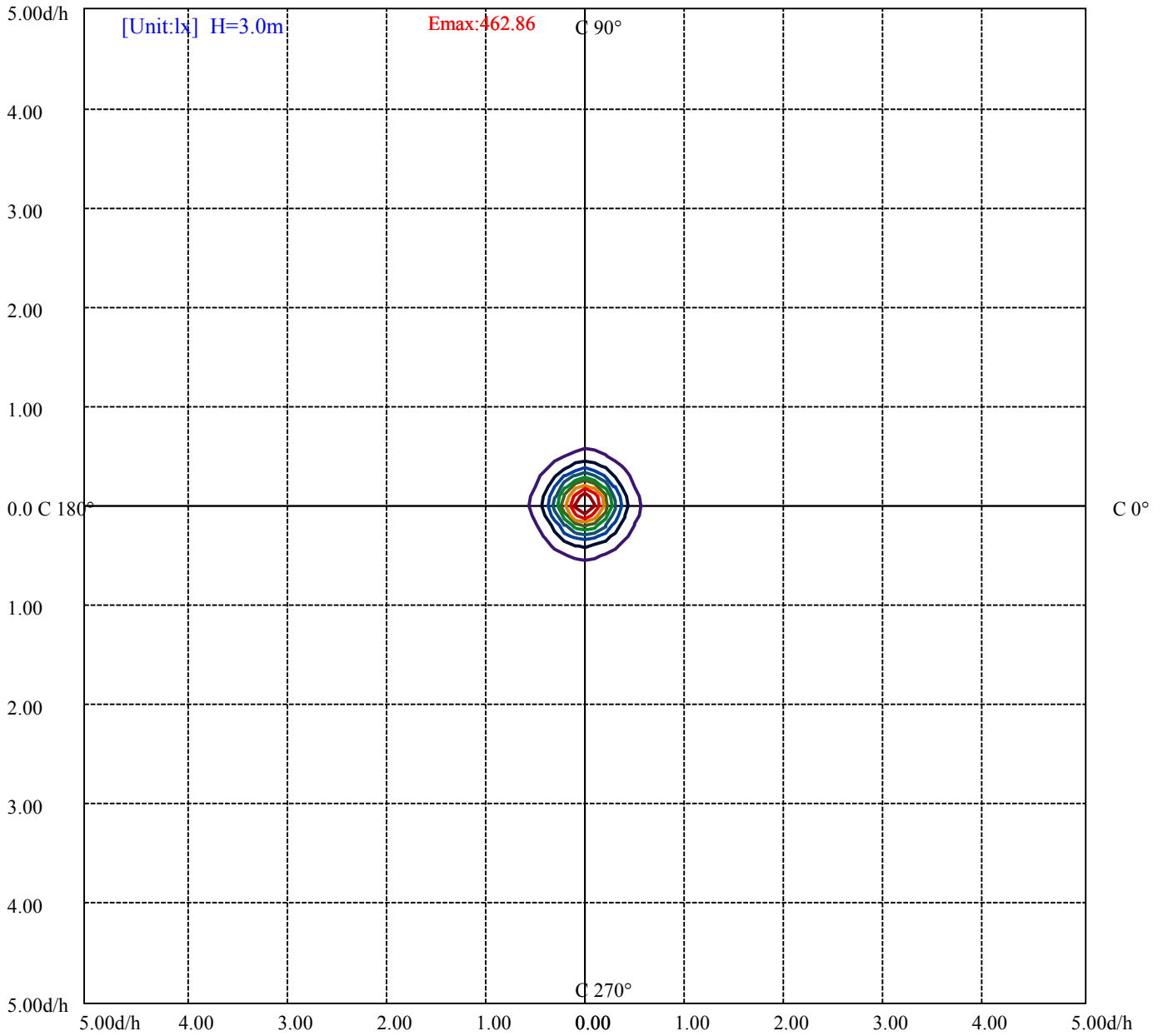


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角31.11

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平面等照度曲线



- (10%Emax) 46.28556
- (20%Emax) 92.57111
- (30%Emax) 138.8567
- (40%Emax) 185.1422
- (50%Emax) 231.4278
- (60%Emax) 277.7133
- (70%Emax) 323.9989
- (80%Emax) 370.2845
- (90%Emax) 416.57

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

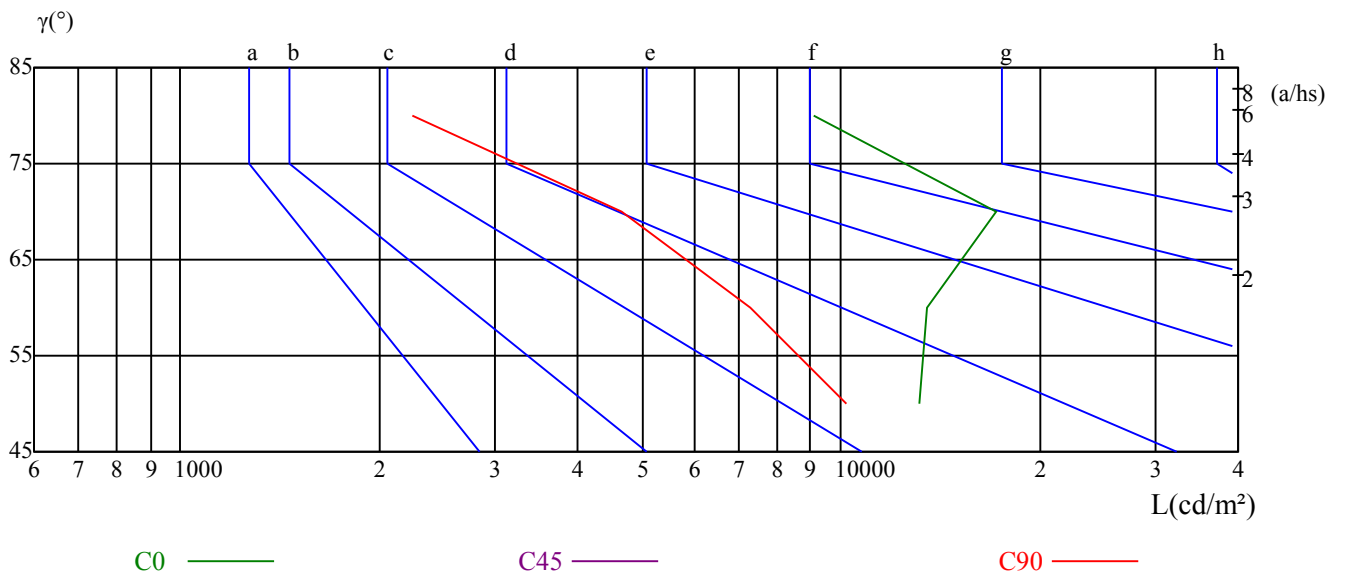
γ	45	50	55	60	65	70	75	80	85
C0	0	13174	0	13535	0	17149	0	9127	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10181	0	7296	0	4668	0	2243	0

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

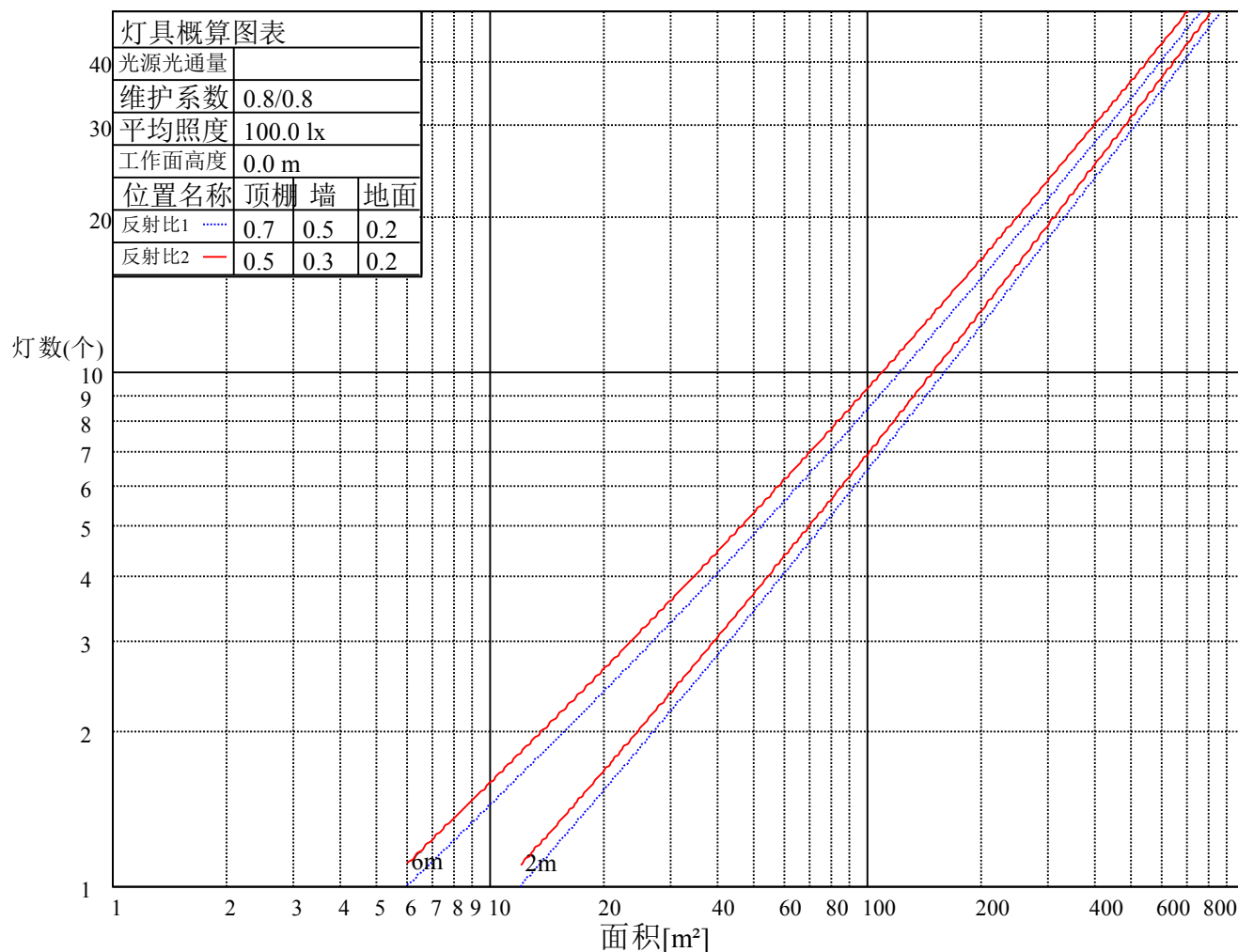
亮度限制曲线



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	13.63	14.82	14.00	15.14	15.45	16.17	17.36	16.54	17.67	17.99
	3H	14.92	15.98	15.30	16.31	16.68	18.49	19.55	18.88	19.88	20.25
	4H	15.30	16.28	15.70	16.64	17.02	19.58	20.57	19.98	20.92	21.30
	6H	15.47	16.37	15.88	16.74	17.14	20.07	20.98	20.49	21.35	21.74
	8H	15.48	16.34	15.91	16.73	17.14	20.16	21.01	20.59	21.41	21.81
	12H	15.49	16.31	15.92	16.69	17.12	20.28	21.10	20.72	21.48	21.91
4H	2H	14.44	15.42	14.84	15.78	16.16	16.46	17.45	16.86	17.80	18.18
	3H	15.94	16.75	16.35	17.16	17.56	18.85	19.66	19.26	20.07	20.47
	4H	16.42	17.15	16.86	17.57	18.02	20.03	20.75	20.46	21.18	21.62
	6H	16.62	17.25	17.08	17.69	18.16	20.56	21.19	21.03	21.64	22.11
	8H	16.64	17.23	17.11	17.68	18.15	20.69	21.28	21.16	21.72	22.20
	12H	16.65	17.16	17.14	17.65	18.12	20.84	21.35	21.33	21.84	22.31
8H	4H	16.81	17.39	17.28	17.84	18.31	20.06	20.65	20.53	21.10	21.57
	6H	17.09	17.56	17.60	18.06	18.55	20.68	21.16	21.19	21.65	22.14
	8H	17.15	17.57	17.68	18.09	18.58	20.87	21.29	21.39	21.81	22.30
	12H	17.73	18.09	18.24	18.59	19.16	21.50	21.86	22.02	22.36	22.94
12H	4H	16.85	17.36	17.34	17.85	18.32	20.03	20.54	20.51	21.02	21.50
	6H	17.65	17.59	17.70	18.06	18.61	21.14	21.08	21.19	21.55	22.10
	8H	17.27	17.63	17.78	18.13	18.70	20.87	21.24	21.39	21.73	22.31
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-0.9					0.3/-0.8					
S = 1.5H	1.5/-1.6					0.8/-0.5					
S = 2.0H	3.3/-2.2					1.5/-1.2					
标准表格	BK3					BK2					
更正系数	1.3					3.7					

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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	1.09	1.07	1.04	1.07	1.05	1.02	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.95	0.94	0.92
2	1.01	0.96	0.93	0.99	0.95	0.92	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.84
3	0.94	0.88	0.84	0.92	0.87	0.83	0.90	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.79	0.78
4	0.87	0.81	0.77	0.86	0.81	0.76	0.84	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.72
5	0.82	0.76	0.71	0.81	0.75	0.71	0.79	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.68
6	0.77	0.71	0.67	0.76	0.71	0.66	0.75	0.70	0.66	0.73	0.69	0.65	0.72	0.68	0.65	0.64
7	0.73	0.67	0.63	0.72	0.67	0.62	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.61	0.60
8	0.69	0.63	0.59	0.69	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.61	0.58	0.57
9	0.66	0.60	0.56	0.66	0.60	0.56	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.54
10	0.63	0.57	0.54	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.52

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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	4141.53	4105.46	3990.36	3796.21	3547.58	3214.54	2843.90	2459.44	2094.17
30.0	4171.46	4176.83	4105.46	3945.85	3696.45	3374.92	2972.81	2567.64	2139.44
60.0	4159.95	4172.22	4097.79	3934.34	3687.24	3347.29	2977.42	2560.73	2144.82
90.0	4139.99	4169.15	4116.97	3978.84	3773.96	3482.35	3134.73	2774.06	2376.56
120.0	4142.30	4152.27	4082.44	3938.94	3704.89	3384.13	3006.58	2602.94	2172.44
150.0	3809.25	3805.42	3756.31	3651.18	3470.84	3181.54	2823.18	2453.30	2078.82
180.0	4141.53	4104.69	3997.26	3823.83	3591.32	3285.90	2939.82	2580.69	2200.83
210.0	4169.92	4090.11	3927.43	3700.29	3378.76	2988.93	2592.96	2169.37	1771.87
240.0	4159.95	4071.70	3913.62	3673.43	3378.76	3004.28	2602.17	2206.21	1844.00
270.0	4139.99	4042.54	3864.51	3631.99	3323.51	2965.14	2590.66	2235.37	1880.84
300.0	4142.30	4064.02	3907.48	3671.13	3358.04	2993.53	2586.06	2184.72	1816.38
330.0	3809.25	3750.93	3622.78	3429.40	3160.82	2876.89	2553.83	2220.79	1863.96
360.0	4141.53	4105.46	3990.36	3796.21	3547.58	3214.54	2843.90	2459.44	2094.17

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1746.55	1454.94	1187.90	969.96	795.77	652.27	550.21	464.26	397.50
30.0	1747.32	1408.90	1138.79	912.41	738.98	612.37	511.84	438.17	388.29
60.0	1768.80	1456.40	1170.63	944.64	772.44	631.78	529.49	440.93	377.09
90.0	1993.64	1662.14	1353.65	1094.28	884.02	723.64	588.58	489.59	406.71
120.0	1797.96	1454.48	1155.59	921.62	745.58	604.77	501.25	423.90	359.44
150.0	1758.06	1451.11	1157.20	913.94	731.31	606.23	507.24	436.64	389.83
180.0	1840.94	1515.87	1237.39	998.59	812.57	658.95	543.69	455.67	392.44
210.0	1441.52	1168.71	941.65	779.58	647.36	546.29	469.02	407.63	355.68
240.0	1510.96	1233.17	1009.87	828.00	694.48	580.90	494.19	425.13	389.06
270.0	1520.86	1316.05	1079.54	898.29	742.05	615.82	518.21	441.70	376.94
300.0	1481.80	1217.06	973.03	807.28	672.22	568.63	484.98	417.45	365.12
330.0	1519.63	1272.92	1027.21	837.90	686.65	576.61	488.51	420.37	362.89
360.0	1746.55	1454.94	1187.90	969.96	795.77	652.27	550.21	464.26	397.50

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	345.01	303.80	267.51	239.27	216.02	196.06	180.87	168.52	159.38
30.0	330.36	292.22	263.52	238.81	218.01	201.59	187.39	175.35	164.22
60.0	323.53	279.17	244.64	215.02	190.92	168.21	151.33	136.06	123.39
90.0	343.40	291.53	251.39	216.94	188.77	166.21	146.42	130.22	114.88
120.0	308.64	266.51	233.97	205.35	182.64	162.38	145.26	130.91	118.87
150.0	319.92	280.40	253.31	231.44	211.11	192.38	176.57	166.52	157.31
180.0	341.79	300.12	267.35	239.27	217.09	196.45	181.33	167.75	156.85
210.0	314.62	281.63	253.00	230.29	209.72	192.92	179.57	168.06	157.70
240.0	323.68	286.77	253.16	225.46	201.28	179.57	162.30	145.88	131.76
270.0	325.75	284.16	248.09	218.40	192.46	171.74	153.32	136.36	122.55
300.0	319.69	281.78	248.94	223.15	199.75	180.18	162.76	147.18	132.76
330.0	318.15	282.78	252.85	228.83	208.19	192.61	179.34	167.36	157.93
360.0	345.01	303.80	267.51	239.27	216.02	196.06	180.87	168.52	159.38

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	151.86	146.19	141.12	134.67	129.07	126.08	126.23	121.71	116.72
30.0	154.01	143.19	131.14	117.95	102.75	87.94	75.59	66.68	59.01
60.0	111.81	101.29	92.24	84.03	76.89	69.91	61.62	53.41	45.97
90.0	102.60	91.16	81.50	72.59	62.85	53.79	45.81	38.60	31.77
120.0	107.74	97.99	89.78	81.96	74.90	68.30	60.55	52.72	45.81
150.0	146.42	133.83	123.16	111.50	98.53	84.80	72.44	63.92	57.40
180.0	147.03	139.66	134.21	129.92	126.69	121.86	117.79	115.34	111.58
210.0	149.41	142.19	135.60	128.92	120.40	110.58	97.69	83.41	70.75
240.0	118.48	107.89	97.69	90.09	82.88	76.35	70.91	64.92	58.93
270.0	110.20	99.45	89.02	80.57	72.98	66.30	59.01	51.87	45.74
300.0	120.63	110.43	100.53	92.32	84.41	77.81	72.21	66.45	60.24
330.0	149.64	142.58	135.75	129.84	121.78	111.73	98.15	83.34	71.60
360.0	151.86	146.19	141.12	134.67	129.07	126.08	126.23	121.71	116.72

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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	112.57	102.60	76.43	45.04	31.54	25.17	19.49	12.66	4.07
30.0	52.34	46.50	39.67	32.92	24.79	16.42	7.98	1.92	1.00
60.0	38.75	30.70	25.32	17.65	11.13	5.06	2.15	1.76	0.38
90.0	26.17	21.49	16.81	12.35	7.75	3.76	2.38	1.84	0.23
120.0	38.52	27.93	22.71	16.81	10.90	5.22	1.92	1.76	0.46
150.0	50.57	44.58	38.91	32.08	24.33	16.50	8.44	2.69	1.15
180.0	105.28	98.91	83.57	49.57	31.85	23.71	17.19	11.28	4.99
210.0	60.78	51.87	45.35	38.37	30.70	23.17	13.58	5.22	1.30
240.0	53.72	47.58	38.60	30.70	22.10	13.58	7.60	3.15	2.23
270.0	38.83	31.69	25.25	19.88	14.50	9.90	5.68	2.84	2.46
300.0	54.71	48.42	38.75	31.23	21.26	13.43	7.21	2.76	2.30
330.0	61.39	52.49	45.58	38.29	30.31	22.25	12.05	4.45	1.69
360.0	112.57	102.60	76.43	45.04	31.54	25.17	19.49	12.66	4.07

C/γ(°)	90.0
0.0	0.54
30.0	0.23
60.0	0.23
90.0	0.15
120.0	0.15
150.0	0.38
180.0	0.46
210.0	0.69
240.0	1.07
270.0	1.07
300.0	0.92
330.0	0.77
360.0	0.54