

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2013B-9-36DC (15-OL-9WN-AA, CT)

报告编号:

电压(V): 35.9000

测试编号: 20210314006

电流(A): 0.5380

光源规格型号: OL

功率(W): 19.3000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 9

镇流器型号:

发光面长度(mm): 100

发光面宽度(mm): 100

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1700.27

灯具效能(lm/w): 88.10

中心光强(cd): 13059.200

最大光强(cd): 13362.320

最大光强角度: C=300.0 $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=14.7

[C90/270]Total=14.9

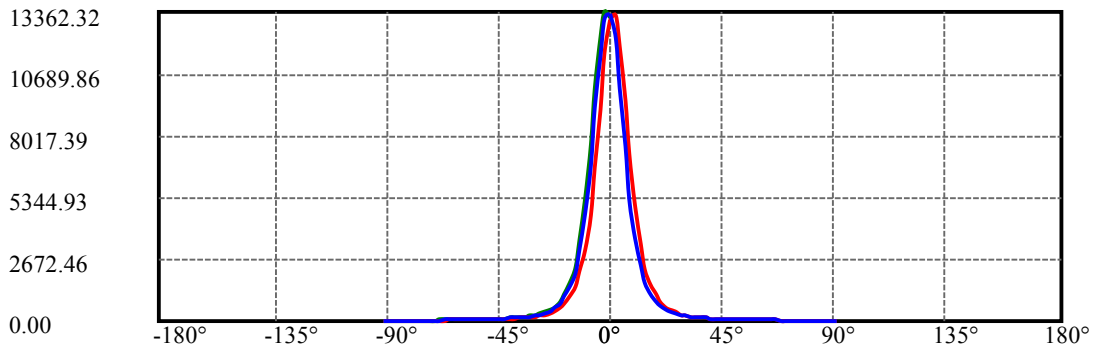
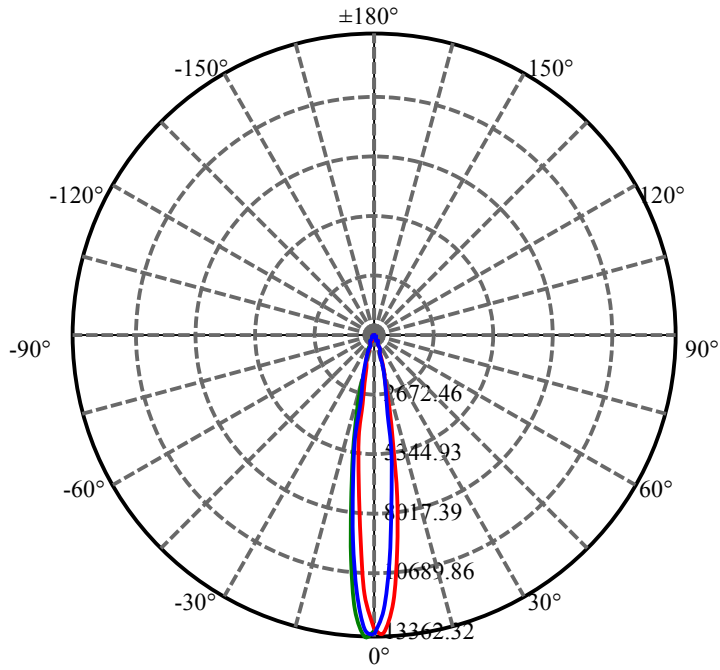
光束扩散角(10%Imax): [C0/180]Total=32.3

[C90/270]Total=32.2

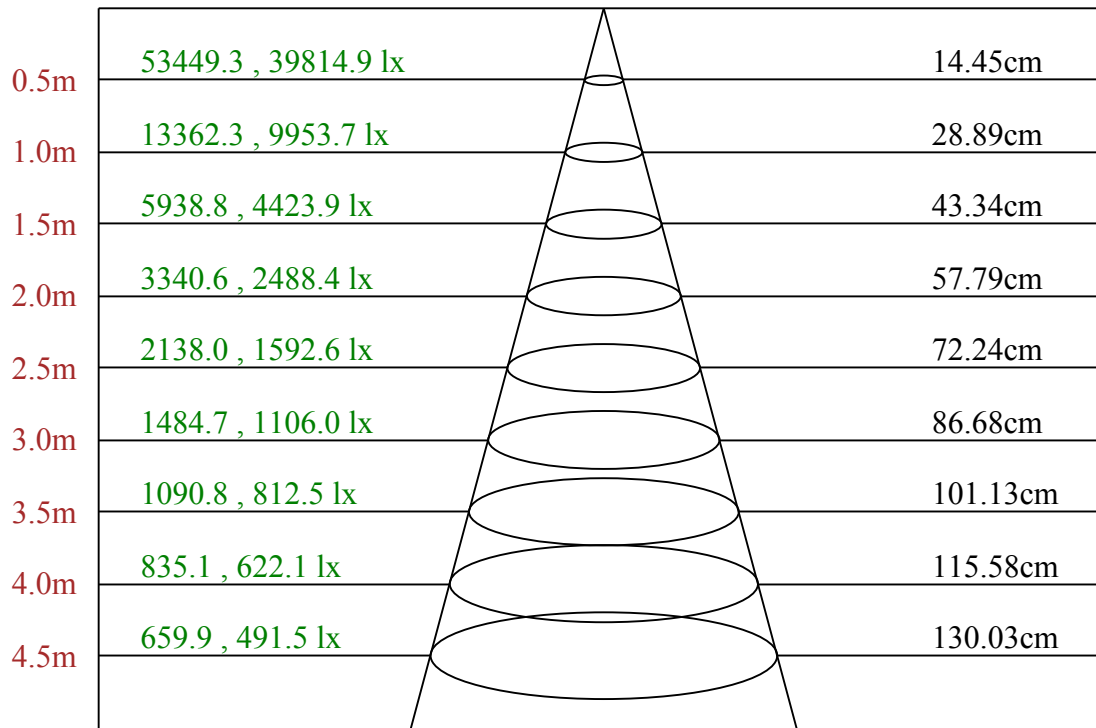
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/14
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

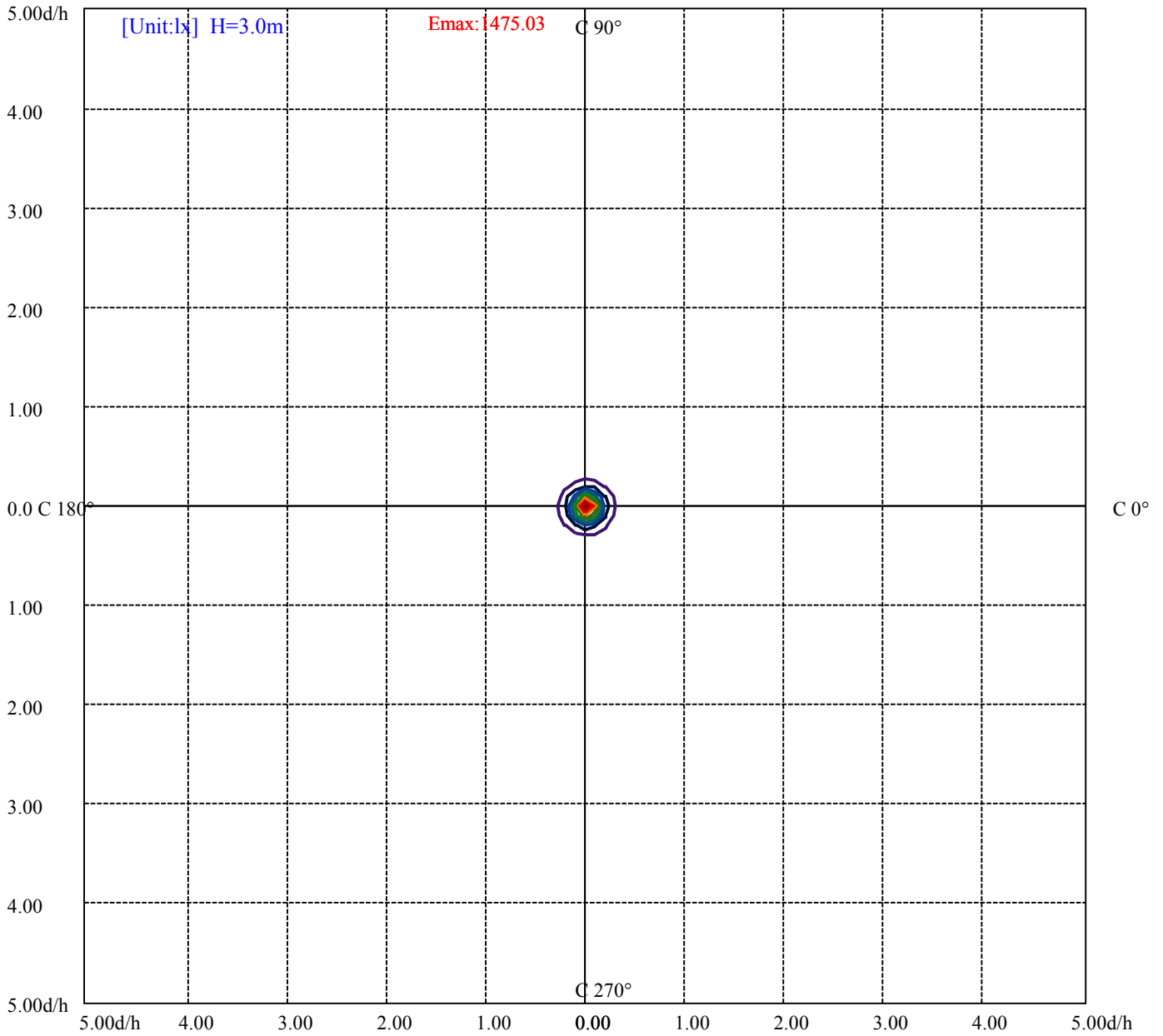


C300(Max): —
C0/C180: —
C90/C270: —



Max , Ave C300面光束角16.43

ROLED 投光灯
平面等照度曲线



- (10%Emax) 147.5022
- (20%Emax) 295.0033
- (30%Emax) 442.5056
- (40%Emax) 590.0078
- (50%Emax) 737.51
- (60%Emax) 885.0111
- (70%Emax) 1032.513
- (80%Emax) 1180.011
- (90%Emax) 1327.522

测试设备: GMS1800
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测试日期: 2021/3/14
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

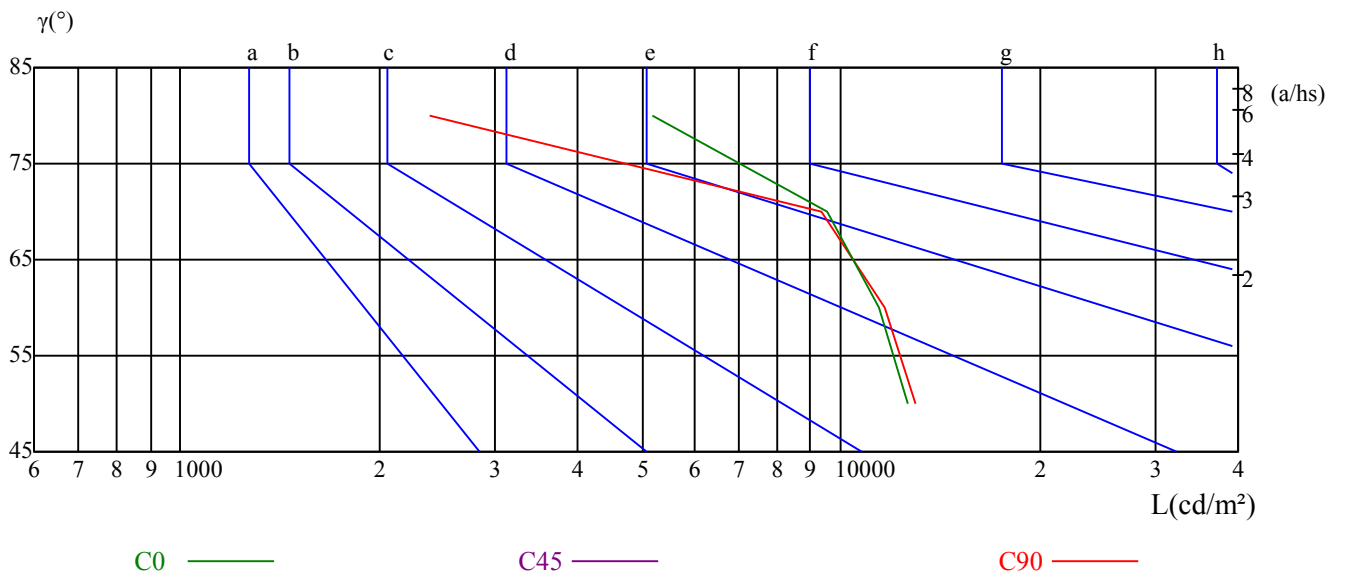
γ	45	50	55	60	65	70	75	80	85
C0	0	12678	0	11419	0	9513	0	5170	0
C45	0	0	0	0	0	0	0	0	0
C90	0	12941	0	11664	0	9334	0	2386	0

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

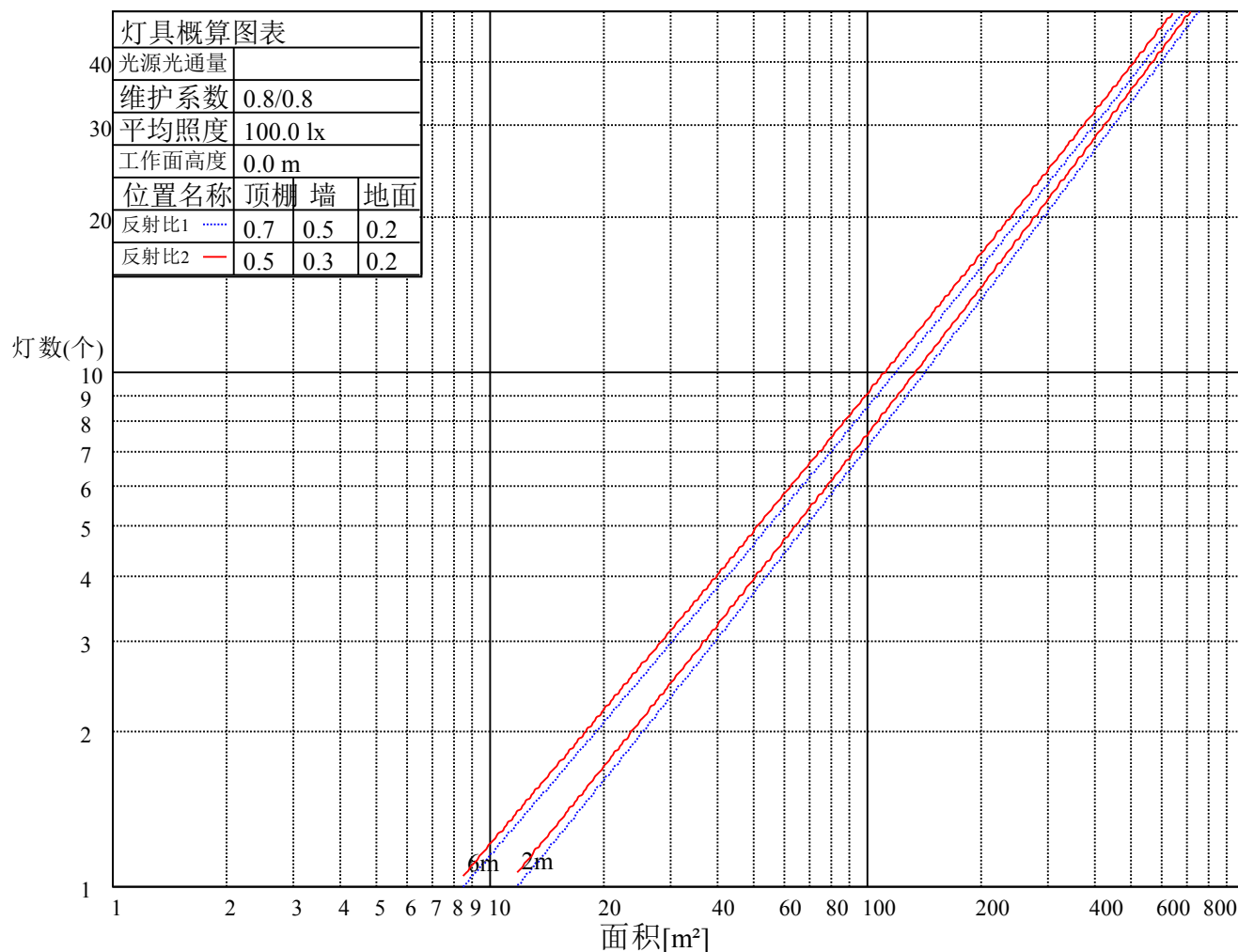
亮度限制曲线



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	14.91	15.96	15.28	16.27	16.59	14.63	15.68	14.99	15.99	16.30
	3H	16.35	17.28	16.73	17.61	17.98	15.98	16.91	16.36	17.24	17.61
	4H	16.74	17.60	17.14	17.95	18.34	16.36	17.22	16.76	17.57	17.96
	6H	16.84	17.62	17.26	18.00	18.40	16.46	17.24	16.87	17.62	18.01
	8H	16.81	17.55	17.25	17.95	18.36	16.43	17.17	16.87	17.57	17.97
	12H	16.78	17.48	17.21	17.87	18.30	16.40	17.10	16.83	17.49	17.92
4H	2H	15.39	16.25	15.79	16.60	16.99	15.16	16.02	15.57	16.37	16.76
	3H	16.99	17.69	17.40	18.10	18.51	16.68	17.38	17.09	17.79	18.20
	4H	17.45	18.08	17.89	18.50	18.95	17.11	17.74	17.55	18.16	18.61
	6H	17.57	18.11	18.04	18.56	19.03	17.23	17.77	17.70	18.22	18.69
	8H	17.54	18.04	18.02	18.49	18.97	17.20	17.70	17.68	18.15	18.63
	12H	17.50	17.94	17.99	18.43	18.90	17.17	17.60	17.66	18.09	18.56
8H	4H	17.52	18.02	18.00	18.47	18.95	17.21	17.71	17.69	18.16	18.64
	6H	17.68	18.07	18.18	18.57	19.06	17.36	17.76	17.87	18.26	18.75
	8H	17.66	18.02	18.20	18.54	19.03	17.35	17.70	17.88	18.23	18.72
	12H	18.33	18.63	18.85	19.13	19.71	18.02	18.33	18.55	18.82	19.40
12H	4H	17.48	17.91	17.97	18.40	18.87	17.17	17.60	17.66	18.09	18.57
	6H	17.95	17.99	18.17	18.46	19.01	17.64	17.68	17.86	18.15	18.70
	8H	17.64	17.95	18.17	18.45	19.02	17.34	17.64	17.86	18.14	18.72
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.4					0.2/-0.5					
S = 1.5H	0.9/-0.9					0.9/-0.9					
S = 2.0H	1.7/-1.4					1.6/-1.3					
标准表格	BK3					BK3					
更正系数	1.4					1.7					

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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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	1.00	0.98	0.98	0.97	0.95
2	1.05	1.02	0.99	1.04	1.00	0.98	1.00	0.98	0.96	0.98	0.95	0.94	0.95	0.93	0.92	0.90
3	1.00	0.96	0.92	0.99	0.95	0.92	0.96	0.93	0.90	0.94	0.91	0.89	0.92	0.89	0.87	0.86
4	0.95	0.91	0.87	0.94	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.89	0.86	0.84	0.83
5	0.91	0.87	0.83	0.91	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.81	0.80
6	0.88	0.83	0.80	0.87	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.78	0.77
7	0.85	0.80	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.82	0.79	0.76	0.81	0.78	0.76	0.75
8	0.82	0.78	0.75	0.82	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.74	0.73
9	0.80	0.76	0.73	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.72	0.71
10	0.78	0.74	0.71	0.77	0.73	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.76	0.72	0.70	0.69

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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	13059.20	13168.17	11897.40	9577.62	7221.78	4996.39	3316.60	2265.29	1607.65
30.0	13284.81	13020.84	11376.35	9117.96	6597.13	4600.42	3104.04	2126.40	1523.24
60.0	13265.63	12358.59	10319.67	7963.83	5574.22	3765.51	2598.34	1800.26	1308.15
90.0	13264.86	12215.86	10056.46	7545.61	5235.81	3571.37	2408.79	1698.97	1198.64
120.0	13133.64	11530.59	9120.26	6614.01	4567.42	3048.02	2120.26	1486.94	1056.98
150.0	13182.75	11769.25	9344.34	6806.63	4631.88	3150.08	2150.95	1535.52	1091.98
180.0	13059.20	11509.87	9112.59	6620.15	4591.98	3083.32	2157.86	1525.39	1091.90
210.0	13284.81	12100.75	9848.50	7451.22	5219.69	3584.41	2436.42	1521.55	1226.42
240.0	13265.63	12746.88	11097.79	8632.98	6360.01	4351.79	2899.15	2009.76	1442.67
270.0	13264.86	13008.56	11432.37	9188.56	6715.31	4668.72	3052.62	2114.89	1474.74
300.0	13133.64	13362.32	12242.72	10011.95	7624.65	5304.10	3507.68	2363.52	1660.60
330.0	13182.75	13284.05	11913.51	9729.56	7202.59	4932.69	3299.72	2273.74	1526.23
360.0	13059.20	13168.17	11897.40	9577.62	7221.78	4996.39	3316.60	2265.29	1607.65

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1133.41	824.16	605.46	458.12	389.06	290.38	238.96	202.28	175.27
30.0	1092.74	778.89	580.14	453.52	370.87	289.38	241.03	204.74	177.57
60.0	918.86	676.13	512.68	404.71	320.00	263.21	221.69	192.38	168.13
90.0	852.55	631.55	474.24	388.29	302.04	252.16	214.10	186.09	163.07
120.0	758.47	571.70	441.70	347.62	283.85	235.58	202.59	173.96	153.71
150.0	783.49	589.34	451.98	371.10	284.24	237.73	201.21	175.04	153.48
180.0	780.73	584.82	446.84	347.39	280.94	232.13	198.14	168.75	148.87
210.0	893.84	657.72	497.03	391.52	310.48	257.15	214.64	186.01	161.99
240.0	1017.54	736.68	559.42	428.96	340.56	276.72	233.05	199.67	174.81
270.0	1065.04	761.70	564.79	442.47	349.92	283.24	237.66	204.89	177.88
300.0	1163.34	831.84	617.74	470.40	387.52	303.19	250.39	212.64	184.55
330.0	1143.08	818.18	599.32	461.04	366.88	292.37	242.41	207.19	178.03
360.0	1133.41	824.16	605.46	458.12	389.06	290.38	238.96	202.28	175.27

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	153.09	136.82	122.01	111.12	101.98	93.77	87.25	81.50	76.51
30.0	156.77	139.82	125.62	115.03	106.20	99.22	93.08	87.63	83.11
60.0	149.33	134.37	121.78	112.42	103.90	97.61	91.78	86.94	82.57
90.0	145.42	131.37	119.56	110.58	102.37	95.54	88.86	83.18	78.04
120.0	137.13	124.39	113.65	105.05	98.15	91.93	86.48	81.73	77.43
150.0	136.29	122.70	112.34	103.90	95.92	90.09	84.49	80.34	75.66
180.0	132.30	118.87	108.43	99.38	92.16	85.33	80.04	75.20	70.52
210.0	144.11	129.15	116.64	107.74	99.84	93.16	87.63	83.03	78.58
240.0	153.86	137.36	123.78	113.73	105.44	98.22	92.47	87.10	82.49
270.0	158.23	141.96	128.61	117.72	108.58	100.68	93.77	87.48	81.57
300.0	160.84	143.04	128.54	117.72	108.58	100.99	94.62	88.86	83.80
330.0	157.08	139.89	125.62	114.57	106.13	98.53	91.93	86.41	81.34
360.0	153.09	136.82	122.01	111.12	101.98	93.77	87.25	81.50	76.51

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	71.44	66.61	62.00	57.09	52.03	46.96	42.28	37.37	32.54
30.0	78.81	74.51	69.83	65.23	60.24	54.02	47.58	42.13	36.07
60.0	77.97	73.44	67.45	62.62	56.94	50.88	45.35	39.67	33.99
90.0	72.82	67.91	63.08	58.32	53.49	48.11	42.44	36.99	31.92
120.0	73.05	68.30	63.77	58.63	52.57	46.89	41.67	36.07	30.16
150.0	71.60	67.15	62.85	58.17	52.34	46.50	40.52	34.07	26.78
180.0	65.99	61.54	56.86	51.49	46.89	41.82	37.06	32.15	27.78
210.0	74.67	70.29	65.69	61.31	55.17	49.04	43.59	38.29	32.23
240.0	77.81	73.44	68.91	64.08	59.24	52.95	46.96	41.21	35.30
270.0	76.20	71.14	65.99	61.16	55.56	50.80	45.04	39.90	34.61
300.0	78.66	74.36	69.45	64.61	59.70	53.87	47.81	42.21	36.76
330.0	76.81	72.36	67.99	63.46	58.63	53.10	46.73	41.67	35.99
360.0	71.44	66.61	62.00	57.09	52.03	46.96	42.28	37.37	32.54

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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	28.32	24.71	19.80	13.35	8.98	4.07	1.07	0.92	0.54
30.0	30.16	25.02	19.11	13.58	7.75	4.91	1.07	0.77	0.46
60.0	28.32	22.79	16.58	10.13	6.06	2.15	0.92	0.69	0.38
90.0	26.47	20.80	14.12	9.52	4.14	1.23	0.92	0.46	0.23
120.0	24.94	18.88	12.28	7.44	4.37	1.07	0.84	0.38	0.08
150.0	19.57	13.58	8.06	5.60	4.83	0.92	0.61	0.38	0.15
180.0	23.87	17.96	11.97	8.06	2.84	1.07	0.84	0.38	0.31
210.0	26.86	21.95	15.88	9.44	5.60	1.61	0.84	0.54	0.38
240.0	29.31	24.25	18.42	12.20	7.37	3.84	1.00	0.77	0.31
270.0	29.85	24.94	18.95	12.74	8.44	2.84	1.23	0.92	0.46
300.0	31.08	26.09	20.49	15.04	9.36	5.68	1.69	0.92	0.54
330.0	30.39	25.02	19.49	14.58	8.52	5.37	1.53	0.84	0.54
360.0	28.32	24.71	19.80	13.35	8.98	4.07	1.07	0.92	0.54
C/γ(°)	90.0								
0.0	0.31								
30.0	0.15								
60.0	0.08								
90.0	0.00								
120.0	0.00								
150.0	0.00								
180.0	0.00								
210.0	0.00								
240.0	0.15								
270.0	0.23								
300.0	0.31								
330.0	0.31								
360.0	0.31								