

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1121A-1-24DC-RC-Y (30-XL-1RGBWN-AJ, P4)

报告编号:

电压(V):

测试编号: 20210412005

电流(A):

光源规格型号: XL

功率(W): 5.7000

每个光源光通量(lm)

功率因数:

光源数量: 1

镇流器型号:

发光面长度(mm): 50

发光面宽度(mm): 50

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 201.13

灯具效能(lm/w): 35.29

中心光强(cd): 507.236

最大光强(cd): 509.001

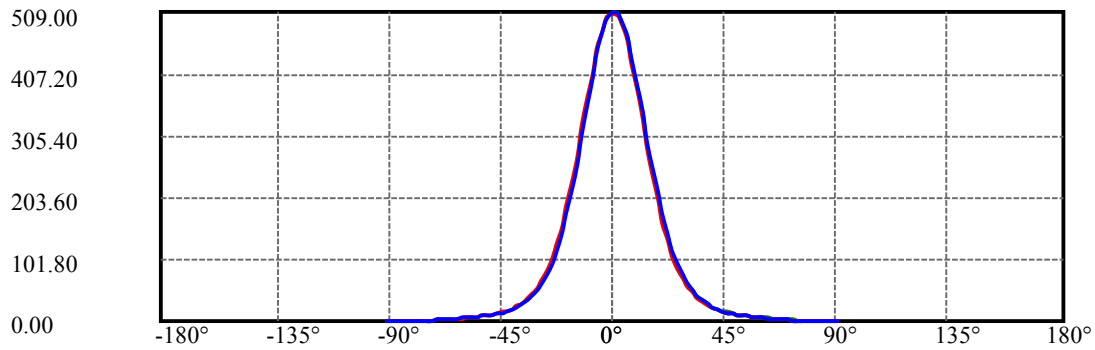
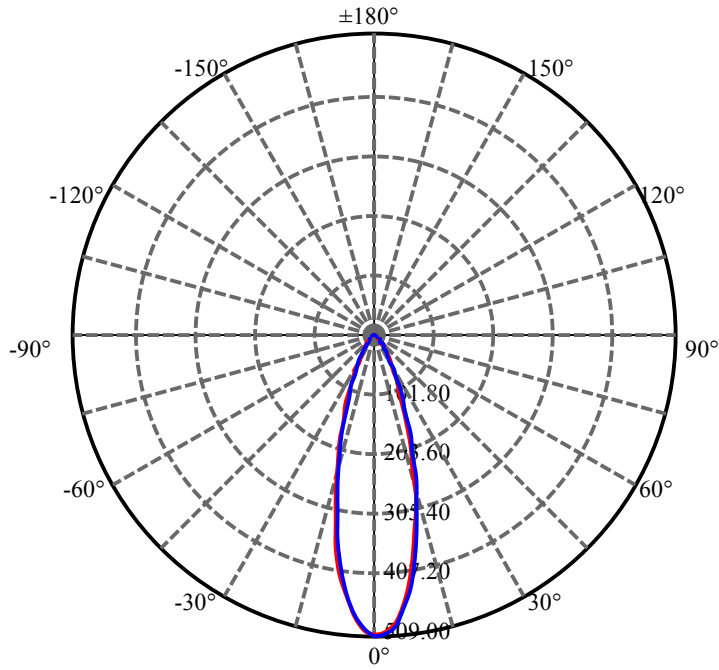
最大光强角度: $C=60.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=30.2

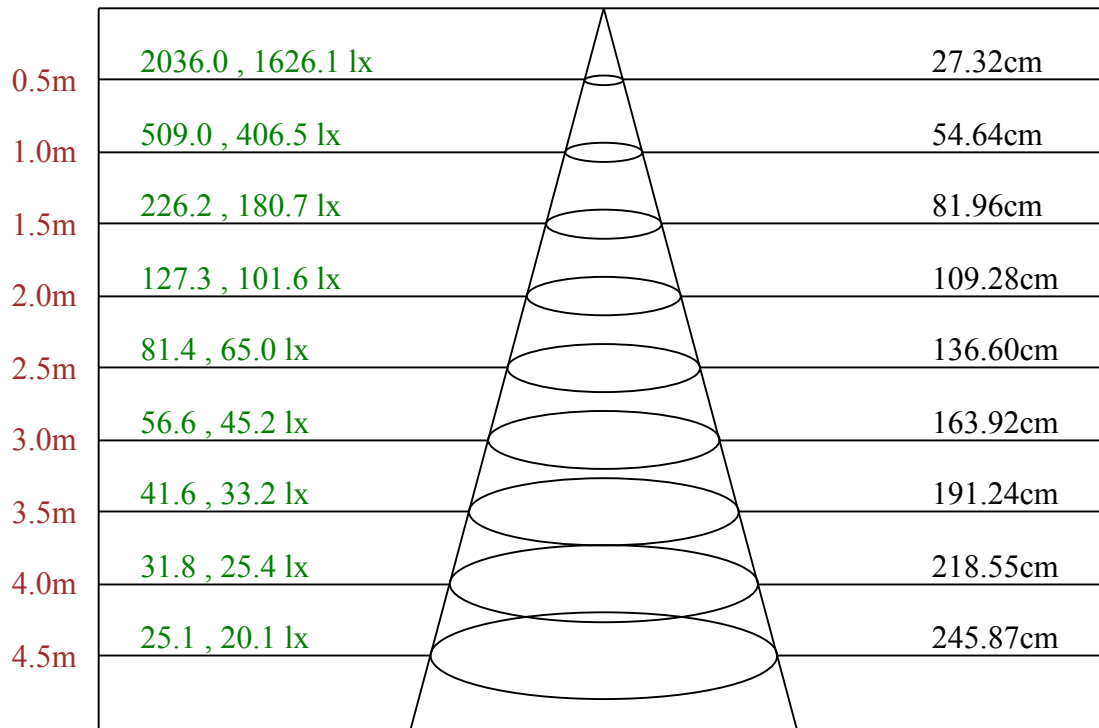
[C90/270]Total=30.2

光束扩散角(10%Imax): [C0/180]Total=62.1

[C90/270]Total=62.0

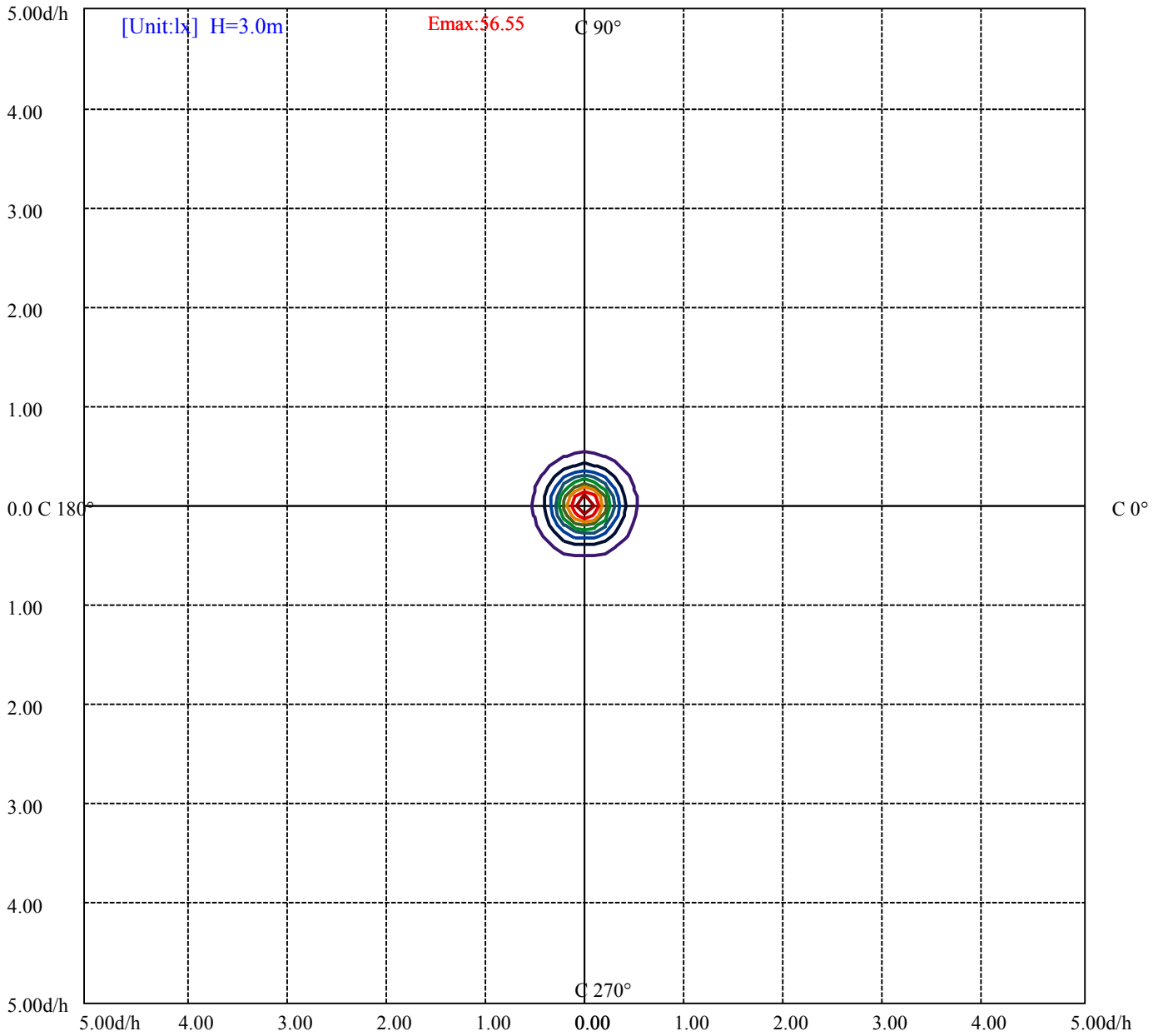


C60(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C60面光束角30.56

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平面等照度曲线



- (10%Emax) 5.654711
- (20%Emax) 11.30944
- (30%Emax) 16.96411
- (40%Emax) 22.61889
- (50%Emax) 28.27356
- (60%Emax) 33.92822
- (70%Emax) 39.583
- (80%Emax) 45.23767
- (90%Emax) 50.89233

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

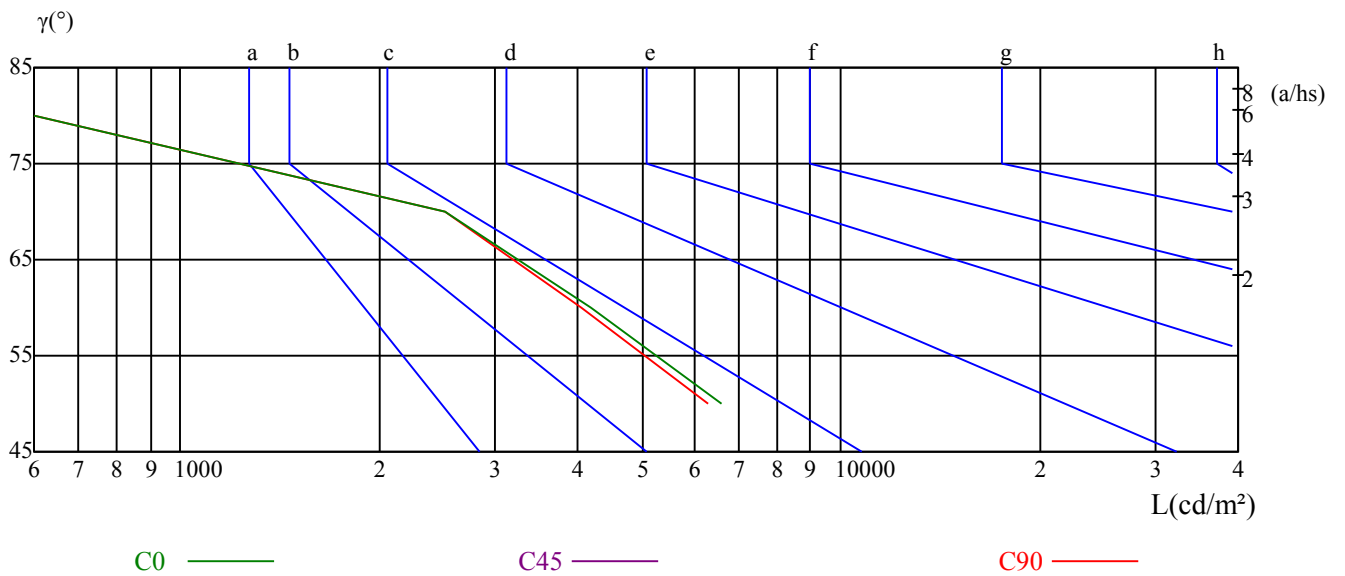
γ	45	50	55	60	65	70	75	80	85
C0	0	6590	0	4174	0	2513	0	352	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6303	0	4052	0	2513	0	352	0

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

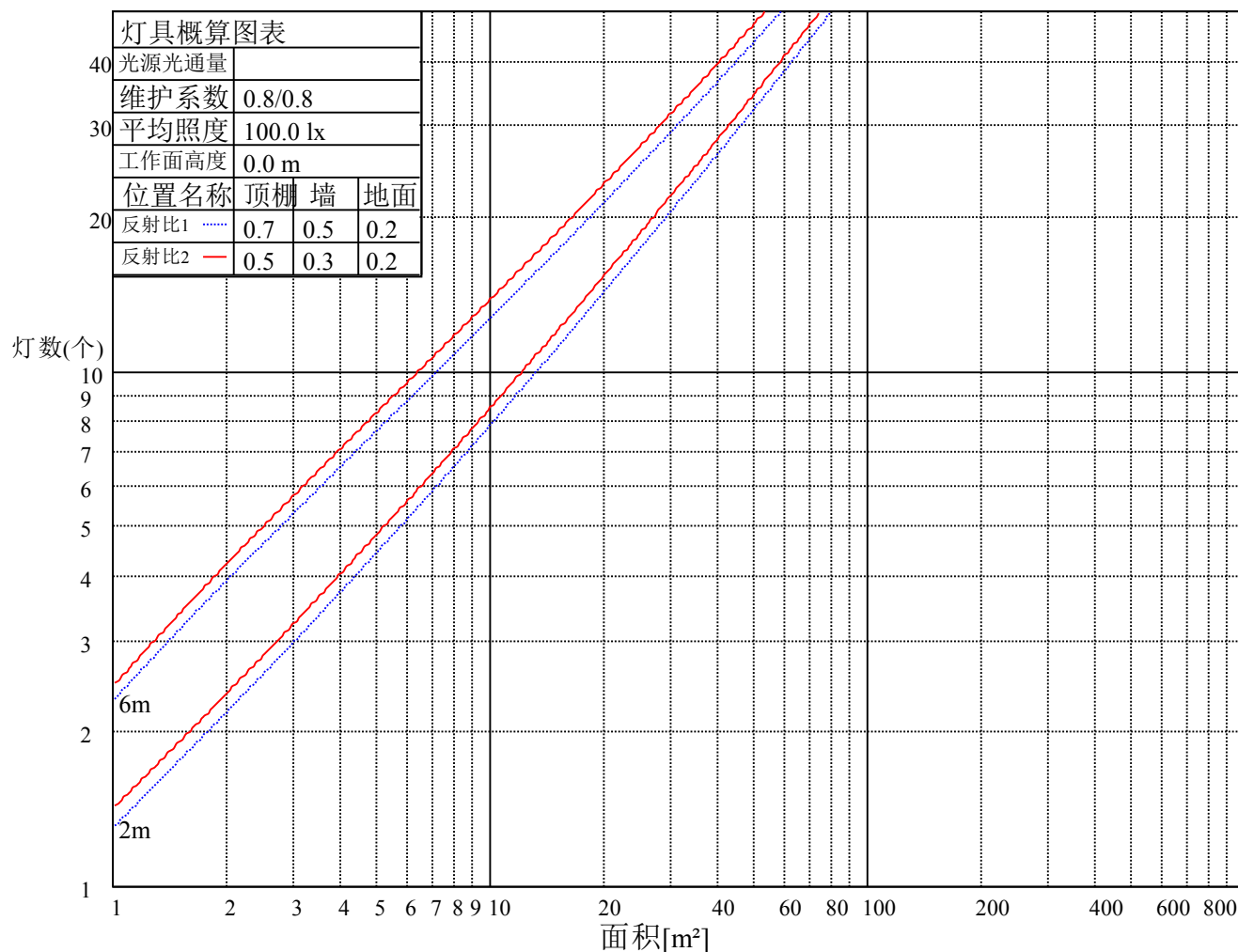
亮度限制曲线



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	17.83	18.87	18.20	19.18	19.49	17.92	18.95	18.29	19.26	19.58
	3H	18.59	19.49	18.97	19.83	20.20	18.69	19.60	19.07	19.93	20.30
	4H	18.58	19.42	18.99	19.78	20.17	18.68	19.52	19.09	19.88	20.27
	6H	18.50	19.27	18.92	19.64	20.04	18.60	19.37	19.02	19.74	20.14
	8H	18.45	19.17	18.88	19.56	19.97	18.54	19.26	18.98	19.66	20.07
	12H	18.39	19.08	18.83	19.47	19.90	18.49	19.18	18.92	19.56	19.99
4H	2H	18.09	18.93	18.49	19.28	19.67	18.16	19.00	18.57	19.36	19.74
	3H	18.93	19.61	19.35	20.02	20.43	19.02	19.71	19.44	20.12	20.52
	4H	18.92	19.52	19.35	19.95	20.40	19.01	19.62	19.45	20.04	20.49
	6H	18.84	19.36	19.31	19.81	20.28	18.93	19.45	19.40	19.90	20.37
	8H	18.77	19.26	19.25	19.71	20.18	18.86	19.34	19.34	19.79	20.27
	12H	18.71	19.13	19.20	19.62	20.09	18.80	19.22	19.29	19.71	20.18
8H	4H	18.81	19.29	19.29	19.75	20.22	18.90	19.39	19.38	19.84	20.31
	6H	18.73	19.11	19.23	19.61	20.10	18.81	19.19	19.32	19.70	20.18
	8H	18.66	19.00	19.19	19.52	20.02	18.74	19.08	19.28	19.60	20.10
	12H	19.42	19.72	19.95	20.22	20.79	19.50	19.79	20.02	20.29	20.87
12H	4H	18.75	19.17	19.24	19.66	20.13	18.84	19.26	19.33	19.75	20.23
	6H	18.94	19.00	19.19	19.47	20.02	19.03	19.08	19.28	19.56	20.10
	8H	18.61	18.90	19.13	19.40	19.98	18.69	18.98	19.21	19.48	20.06
对应照射距离，改变观察者位置S											
S = 1.0H		1.8/-1.7					1.6/-1.6				
S = 1.5H		3.6/-3.1					3.2/-3.0				
S = 2.0H		5.8/-3.7					5.5/-3.6				
标准表格		BK1					BK1				
更正系数		-2.8					-2.7				

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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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.04	1.00	0.97	1.02	0.99	0.96	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.92	0.90	0.88
3	0.98	0.93	0.89	0.96	0.92	0.88	0.94	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.84	0.83
4	0.92	0.87	0.83	0.91	0.86	0.82	0.89	0.85	0.81	0.87	0.83	0.81	0.85	0.82	0.80	0.78
5	0.87	0.82	0.78	0.86	0.81	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.74
6	0.83	0.77	0.73	0.82	0.77	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.70
7	0.79	0.73	0.69	0.78	0.73	0.69	0.77	0.72	0.69	0.76	0.71	0.68	0.74	0.71	0.68	0.67
8	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.65	0.72	0.68	0.65	0.72	0.68	0.65	0.64
9	0.72	0.66	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.70	0.65	0.62	0.69	0.65	0.62	0.61
10	0.69	0.64	0.60	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.58

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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	507.24	503.48	488.67	460.73	424.51	382.00	333.50	288.15	239.88
30.0	508.85	507.93	494.04	469.86	434.64	393.28	345.86	297.13	251.62
60.0	509.00	506.24	491.43	467.10	430.65	386.60	343.02	294.21	247.33
90.0	508.08	506.55	493.12	467.64	432.26	389.60	345.70	297.13	253.00
120.0	508.23	503.09	485.44	458.89	421.21	376.71	332.89	284.16	239.81
150.0	507.62	502.71	483.83	456.90	419.60	377.17	330.59	283.01	240.19
180.0	507.24	498.26	477.23	448.15	408.24	365.58	319.38	271.11	228.99
210.0	508.85	498.26	475.62	442.55	401.57	357.21	309.33	262.21	218.47
240.0	509.00	499.72	478.69	445.69	407.25	360.82	311.94	264.44	220.54
270.0	508.08	497.41	475.85	443.08	401.65	353.68	304.03	258.91	213.94
300.0	508.23	500.33	482.22	451.45	414.23	368.49	318.31	270.27	225.00
330.0	507.62	500.48	482.30	452.29	412.93	369.03	321.07	274.49	228.83
360.0	507.24	503.48	488.67	460.73	424.51	382.00	333.50	288.15	239.88
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	199.29	162.30	132.22	106.97	86.56	69.60	57.17	47.27	38.60
30.0	208.57	171.05	138.13	111.96	90.24	73.28	60.09	49.42	40.82
60.0	205.73	169.97	137.90	112.88	91.01	73.52	59.86	49.50	40.44
90.0	211.03	175.96	141.35	115.64	93.70	76.51	63.16	51.72	41.52
120.0	197.91	163.84	132.60	108.43	87.33	70.29	57.48	46.04	37.53
150.0	199.67	162.99	132.37	108.89	87.87	71.67	58.01	47.04	37.99
180.0	188.31	155.16	125.77	103.52	83.72	67.38	54.56	44.51	36.60
210.0	182.56	148.95	120.17	98.69	80.42	65.69	53.26	44.12	35.99
240.0	183.10	150.10	122.86	99.53	80.88	65.69	54.02	44.59	36.37
270.0	177.65	143.88	115.11	93.62	75.89	61.16	49.88	41.06	33.30
300.0	187.09	152.63	124.39	100.22	81.34	65.99	54.33	44.43	36.22
330.0	189.85	155.09	125.70	103.06	83.64	68.60	55.64	46.12	37.60
360.0	199.29	162.30	132.22	106.97	86.56	69.60	57.17	47.27	38.60
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	32.00	26.63	22.41	18.72	16.19	13.81	12.05	10.59	9.21
30.0	33.30	27.86	23.25	19.95	17.04	14.73	13.05	11.36	9.90
60.0	33.30	27.86	23.18	19.65	16.73	14.50	12.59	11.05	9.67
90.0	33.61	27.47	22.71	18.95	15.96	13.66	11.74	10.13	8.98
120.0	30.31	24.86	20.34	16.88	14.35	12.20	10.59	9.13	8.13
150.0	30.70	25.17	20.57	17.19	14.43	12.28	10.59	9.21	8.06
180.0	29.77	24.63	20.41	17.11	14.66	12.59	10.90	9.44	8.44
210.0	29.93	24.86	20.80	17.73	15.19	13.12	11.43	10.05	8.83
240.0	30.24	25.09	20.95	17.65	15.19	13.12	11.43	10.05	8.83
270.0	27.70	23.02	19.26	16.42	14.20	12.20	10.67	9.36	8.13
300.0	29.93	24.94	20.72	17.50	15.12	12.97	11.20	9.82	8.60
330.0	31.23	25.86	21.56	18.42	15.73	13.43	11.59	10.13	8.90
360.0	32.00	26.63	22.41	18.72	16.19	13.81	12.05	10.59	9.21
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	8.21	7.06	6.14	5.22	4.53	3.91	3.45	2.84	2.15
30.0	8.67	7.67	6.60	5.68	4.99	4.22	3.68	3.15	2.38
60.0	8.52	7.60	6.37	5.60	4.76	4.14	3.53	2.92	2.38
90.0	7.90	6.91	5.91	5.07	4.45	3.84	3.30	2.84	2.15
120.0	7.06	6.22	5.30	4.68	3.99	3.53	2.92	2.38	1.84
150.0	7.06	6.22	5.30	4.60	3.99	3.45	2.92	2.38	1.92
180.0	7.29	6.37	5.45	4.68	4.14	3.45	2.99	2.46	2.00
210.0	7.67	6.83	5.83	5.07	4.37	3.84	3.22	2.69	2.07
240.0	7.83	6.83	5.91	5.07	4.53	3.84	3.30	2.69	2.07
270.0	7.14	6.45	5.45	4.76	4.22	3.53	2.99	2.53	1.84
300.0	7.52	6.68	5.76	4.91	4.45	3.76	3.30	2.69	2.00
330.0	7.83	6.91	5.91	5.14	4.37	3.84	3.22	2.61	2.07
360.0	8.21	7.06	6.14	5.22	4.53	3.91	3.45	2.84	2.15

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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	1.54	0.69	0.31	0.23	0.15	0.15	0.08	0.00	0.00
30.0	1.69	0.77	0.38	0.23	0.08	0.00	0.08	0.08	0.00
60.0	1.61	0.69	0.38	0.31	0.15	0.00	0.00	0.00	0.00
90.0	1.54	0.84	0.46	0.31	0.15	0.00	0.00	0.00	0.00
120.0	1.38	0.61	0.38	0.31	0.15	0.08	0.00	0.00	0.00
150.0	1.38	0.69	0.46	0.31	0.15	0.08	0.00	0.00	0.00
180.0	1.23	0.69	0.38	0.31	0.08	0.00	0.00	0.00	0.00
210.0	1.31	0.69	0.46	0.31	0.15	0.08	0.08	0.00	0.00
240.0	1.46	0.61	0.46	0.23	0.15	0.08	0.00	0.00	0.00
270.0	1.23	0.54	0.38	0.31	0.15	0.00	0.00	0.00	0.00
300.0	1.38	0.54	0.31	0.23	0.08	0.08	0.08	0.00	0.00
330.0	1.23	0.46	0.38	0.15	0.08	0.00	0.00	0.00	0.00
360.0	1.54	0.69	0.31	0.23	0.15	0.15	0.08	0.00	0.00
C/ γ (°)	90.0								
0.0	0.00								
30.0	0.00								
60.0	0.00								
90.0	0.00								
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								