

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3463A-48-24DC(15-OL-48WN-AA,L1000mm,C,CT)

报告编号:

电压(V): 24.0000

测试编号: 20210403003

电流(A): 2.0500

光源规格型号: OL

功率(W): 49.2000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 48

镇流器型号:

发光面长度(mm): 987

发光面宽度(mm): 72

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 5136.62

灯具效能(lm/w): 104.40

中心光强(cd): 38622.040

最大光强(cd): 38790.860

最大光强角度: C=90.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=15.5

[C90/270]Total=14.5

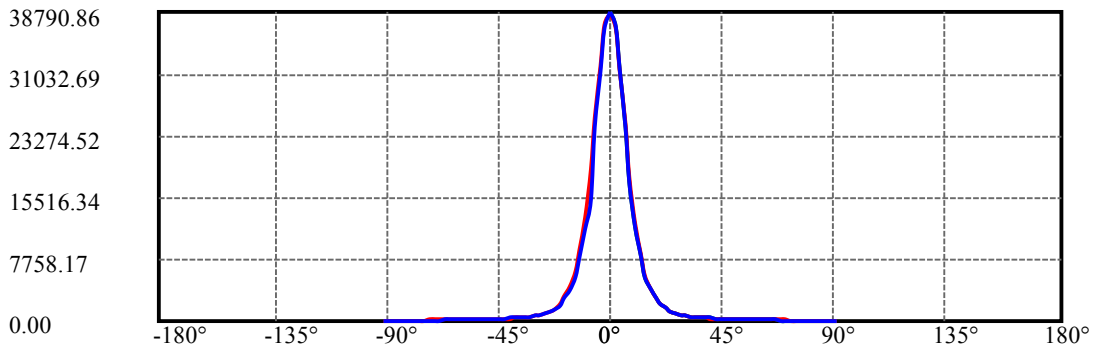
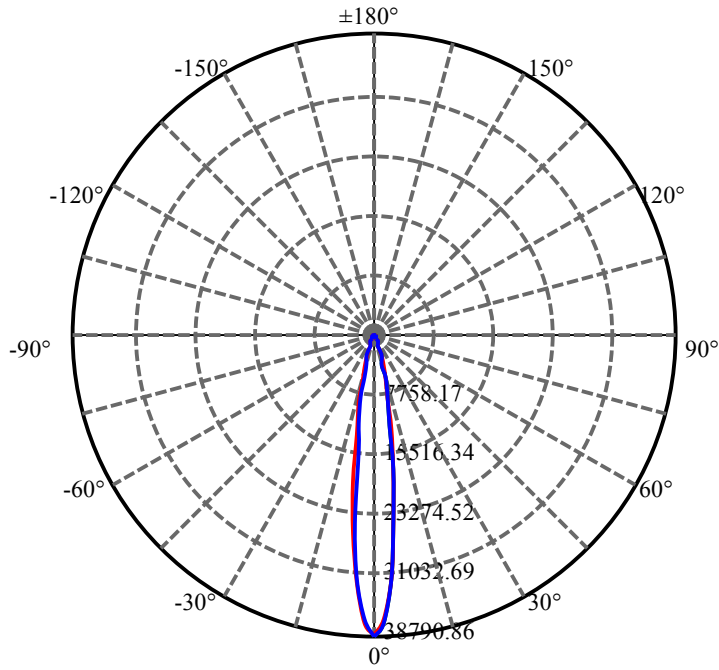
光束扩散角(10%Imax): [C0/180]Total=33.1

[C90/270]Total=32.3

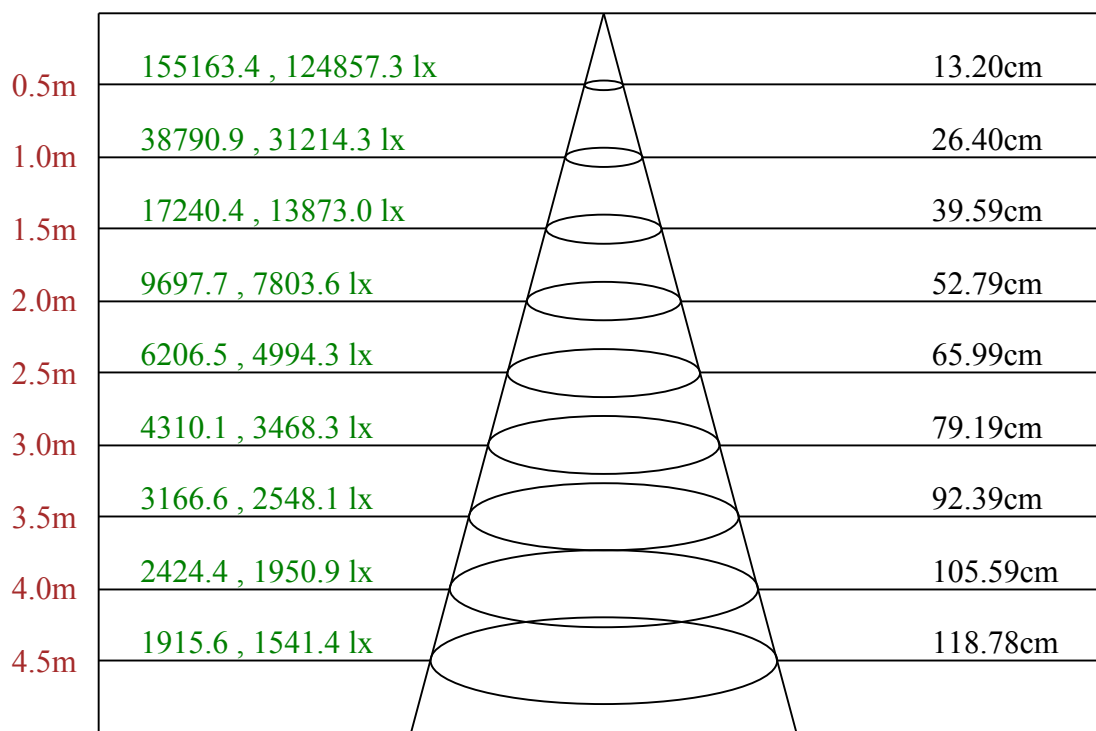
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/3
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

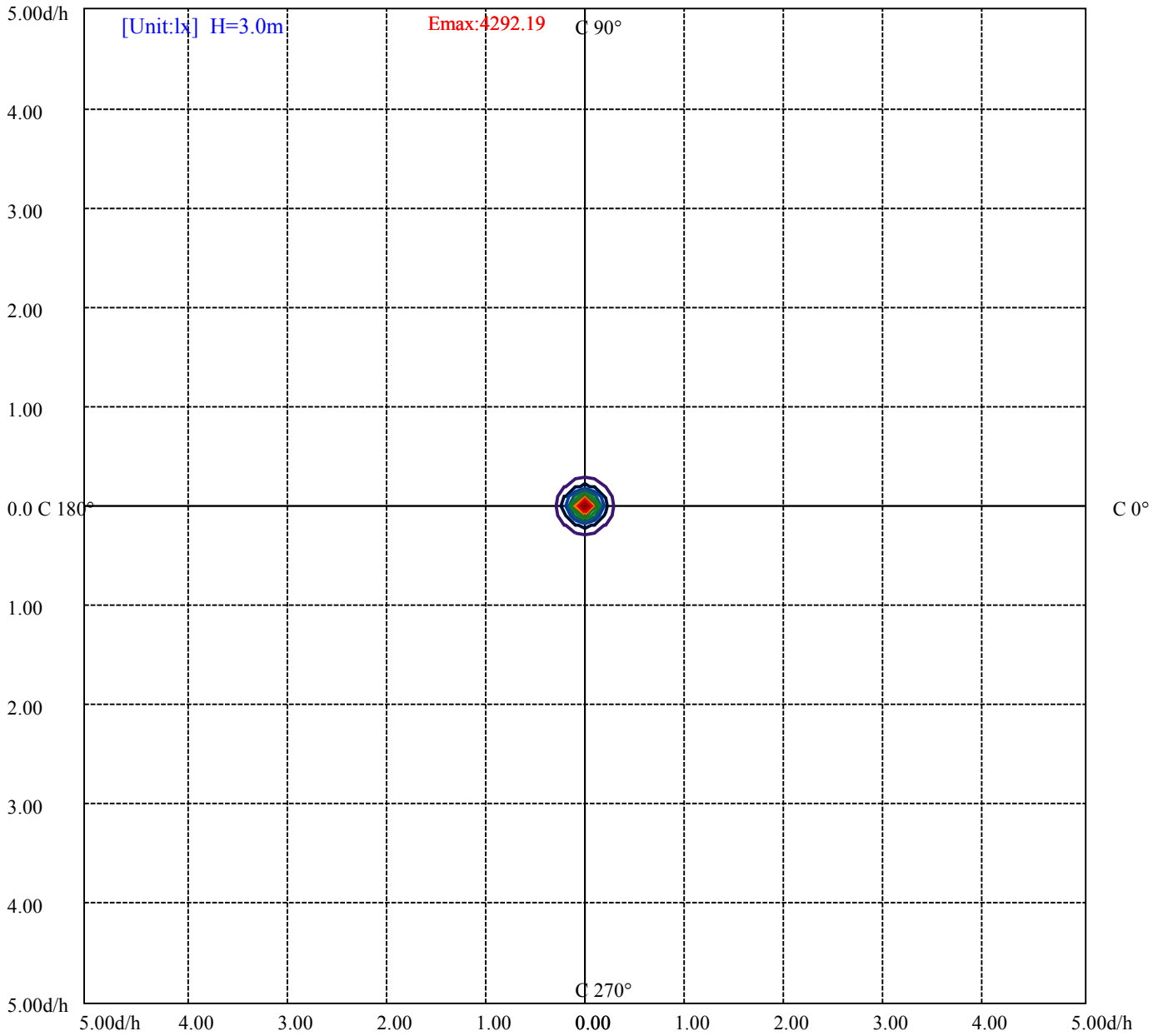


C90(Max): —
C0/C180: —
C90/C270: —



Max , Ave C90面光束角15.04

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平面等照度曲线



- (10%Emax) 429.2178
- (20%Emax) 858.4355
- (30%Emax) 1287.656
- (40%Emax) 1716.867
- (50%Emax) 2146.089
- (60%Emax) 2575.311
- (70%Emax) 3004.522
- (80%Emax) 3433.744
- (90%Emax) 3862.956

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

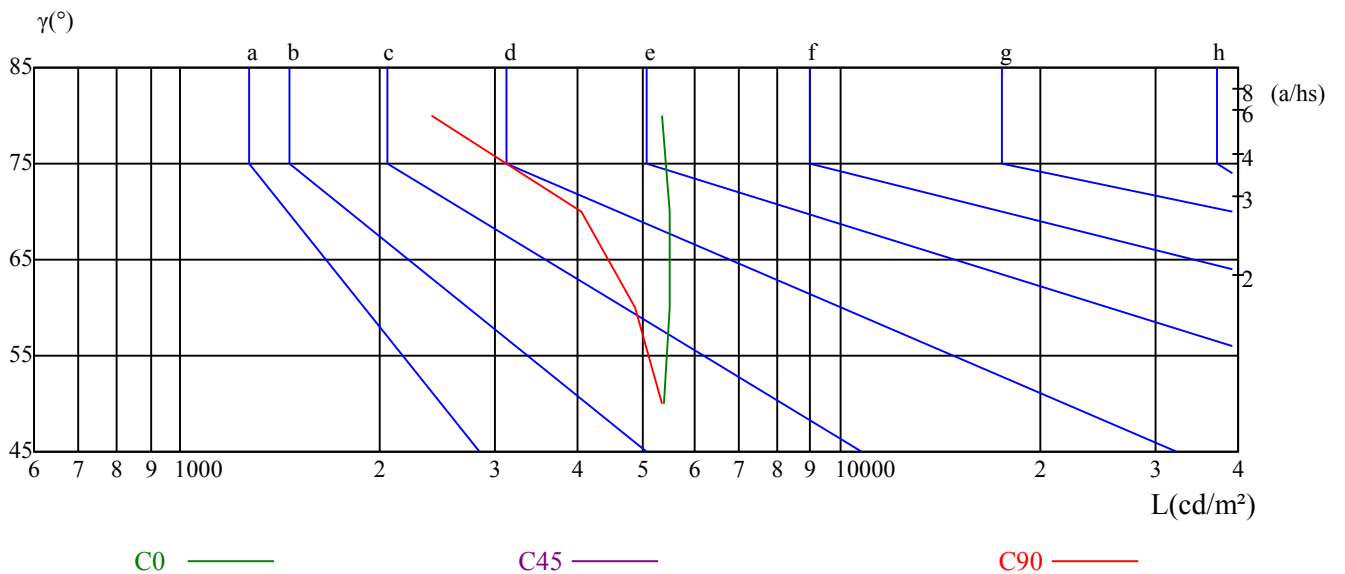
γ	45	50	55	60	65	70	75	80	85
C0	0	5399	0	5501	0	5516	0	5348	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5379	0	4894	0	4060	0	2407	0

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

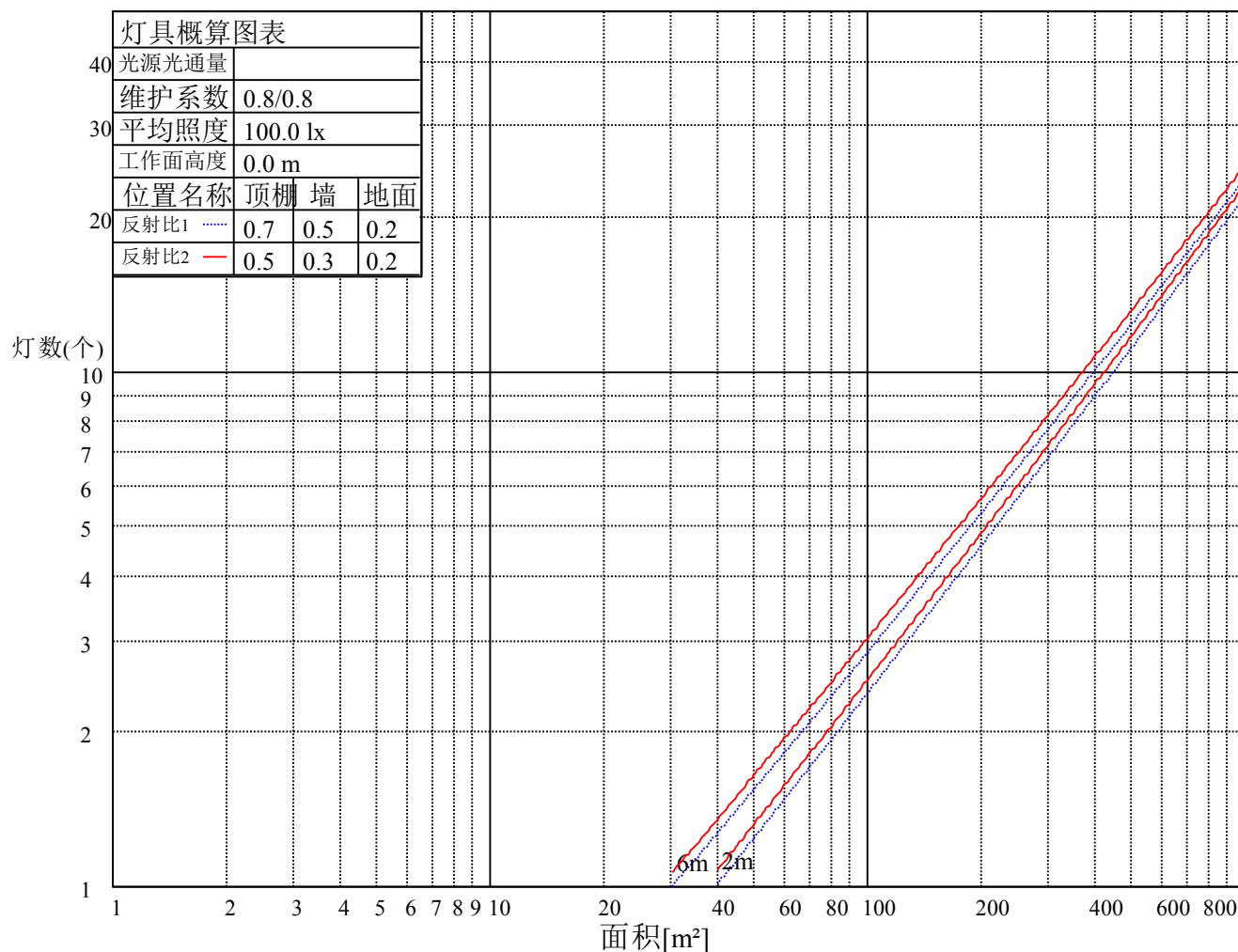
亮度限制曲线



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	7.87	8.94	8.23	9.25	9.56	8.32	9.39	8.68	9.70	10.02
	3H	9.37	10.32	9.76	10.65	11.02	10.37	11.32	10.75	11.65	12.02
	4H	9.92	10.80	10.33	11.15	11.54	11.15	12.03	11.55	12.38	12.77
	6H	10.19	10.99	10.60	11.37	11.76	11.75	12.56	12.17	12.93	13.33
	8H	10.23	10.99	10.66	11.38	11.79	11.96	12.72	12.40	13.11	13.52
	12H	10.28	11.00	10.71	11.39	11.82	12.22	12.95	12.66	13.33	13.76
4H	2H	8.52	9.40	8.92	9.75	10.14	8.87	9.75	9.27	10.10	10.49
	3H	10.18	10.90	10.59	11.31	11.72	11.15	11.87	11.57	12.28	12.69
	4H	10.81	11.46	11.25	11.88	12.33	12.03	12.68	12.47	13.10	13.55
	6H	11.10	11.65	11.57	12.10	12.58	12.62	13.18	13.09	13.63	14.10
	8H	11.16	11.68	11.64	12.13	12.60	12.87	13.39	13.35	13.84	14.31
	12H	11.22	11.67	11.71	12.15	12.63	13.13	13.58	13.62	14.07	14.55
8H	4H	11.11	11.62	11.58	12.07	12.55	12.18	12.70	12.66	13.15	13.62
	6H	11.50	11.91	12.00	12.41	12.89	12.88	13.30	13.39	13.80	14.28
	8H	11.61	11.98	12.14	12.50	12.99	13.20	13.56	13.73	14.08	14.58
	12H	12.23	12.55	12.75	13.05	13.63	13.95	14.27	14.47	14.76	15.34
12H	4H	11.12	11.57	11.61	12.05	12.53	12.16	12.61	12.65	13.09	13.57
	6H	11.89	11.91	12.07	12.38	12.92	13.23	13.24	13.41	13.71	14.26
	8H	11.69	12.01	12.22	12.51	13.09	13.23	13.54	13.75	14.04	14.62
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.2/-0.7					
S = 1.5H	0.7/-0.7					0.7/-0.6					
S = 2.0H	1.4/-1.0					0.7/-0.7					
标准表格	BK3					BK3					
更正系数	-1.3					-0.2					

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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	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.05	1.01	0.98	1.03	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.91	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.89	0.87	0.85
4	0.95	0.90	0.86	0.93	0.89	0.86	0.91	0.88	0.85	0.90	0.86	0.84	0.88	0.85	0.83	0.82
5	0.91	0.86	0.82	0.90	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.79
6	0.87	0.82	0.79	0.86	0.82	0.79	0.85	0.81	0.78	0.84	0.80	0.78	0.83	0.79	0.77	0.76
7	0.84	0.79	0.76	0.84	0.79	0.76	0.82	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.75	0.74
8	0.82	0.77	0.74	0.81	0.77	0.73	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.73	0.72
9	0.79	0.75	0.72	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.70
10	0.77	0.73	0.70	0.77	0.72	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.75	0.71	0.69	0.68

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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	38622.03	36649.88	31331.96	24778.57	18064.03	12370.10	8395.09	5870.43	4074.77
30.0	38476.23	37240.76	32506.05	25760.81	19222.77	13014.70	9001.32	6177.38	4397.06
60.0	38783.18	36496.40	30802.47	23750.29	15299.94	11645.70	7907.81	5543.52	3902.87
90.0	38790.86	36964.50	31539.15	24356.51	17457.80	11840.61	8134.19	5617.19	4013.38
120.0	38714.12	36289.21	30518.54	23811.68	15111.17	11515.24	7978.41	5500.55	3942.01
150.0	38660.40	37187.04	32260.49	25492.23	18677.93	13152.82	8916.91	6246.44	4351.02
180.0	38622.03	37002.87	32045.62	25476.88	18984.88	13112.15	8937.63	6178.91	4272.75
210.0	38476.23	36012.96	30756.43	23965.15	15108.87	11750.06	8121.14	5538.15	3865.27
240.0	38783.18	37271.45	32099.34	25446.19	18486.09	12577.29	8448.81	5885.77	4097.79
270.0	38790.86	36688.25	31393.35	24318.15	15084.31	11649.54	7998.36	5476.76	3912.85
300.0	38714.12	37087.28	32191.42	25208.30	18578.17	12677.05	8540.89	5878.10	4174.53
330.0	38660.40	36404.32	30863.86	24287.45	15266.18	11872.07	8226.27	5646.35	3958.89
360.0	38622.03	36649.88	31331.96	24778.57	18064.03	12370.10	8395.09	5870.43	4074.77
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2919.10	2159.40	1603.05	1250.06	980.71	800.37	668.38	568.63	494.19
30.0	3133.96	2313.64	1718.92	1320.65	1039.79	839.51	702.92	597.02	518.75
60.0	2801.69	2069.61	1529.46	1222.12	968.28	797.69	669.38	575.38	499.33
90.0	2864.61	2111.82	1566.21	1232.41	976.10	796.54	672.99	575.53	504.17
120.0	2783.27	2058.10	1523.70	1232.18	975.87	795.69	671.91	573.23	496.80
150.0	3098.66	2282.94	1698.20	1305.31	1027.52	837.97	696.01	594.72	513.37
180.0	3041.11	2190.86	1511.58	1277.91	1019.08	821.94	683.50	579.52	504.24
210.0	2813.20	2046.59	1530.38	1222.89	971.80	793.08	671.53	572.46	496.65
240.0	2971.28	2157.86	1610.72	1252.36	1006.03	814.95	682.96	587.81	508.00
270.0	2804.76	2033.55	1526.77	1223.12	969.35	794.16	673.60	575.69	504.09
300.0	2987.39	2173.98	1649.86	1279.22	1012.17	816.49	689.10	586.28	509.54
330.0	2845.43	2102.61	1513.88	1250.52	988.92	801.98	671.22	575.38	498.56
360.0	2919.10	2159.40	1603.05	1250.06	980.71	800.37	668.38	568.63	494.19
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	435.10	390.59	353.76	323.22	298.13	277.79	260.68	246.63	234.66
30.0	455.05	404.41	366.27	336.19	310.48	289.45	273.03	258.15	246.40
60.0	440.47	393.05	357.06	327.21	302.73	282.78	264.67	249.32	235.89
90.0	442.78	399.04	363.97	333.50	306.34	282.78	263.36	245.71	229.98
120.0	438.25	393.51	355.68	326.13	302.73	281.63	263.59	247.94	235.12
150.0	450.45	400.57	365.19	333.73	307.79	287.08	269.50	255.23	241.95
180.0	443.93	395.35	358.67	327.75	302.96	280.17	262.98	248.02	235.66
210.0	441.09	393.59	356.06	326.90	303.50	283.55	267.58	252.77	240.42
240.0	448.91	399.04	363.28	332.50	308.49	286.54	268.27	252.77	238.42
270.0	447.23	400.80	363.89	333.35	307.41	284.01	265.05	247.17	231.36
300.0	448.15	399.04	361.36	332.27	307.26	285.69	268.50	252.39	239.04
330.0	440.32	394.58	356.83	328.74	304.19	283.55	266.74	252.77	240.80
360.0	435.10	390.59	353.76	323.22	298.13	277.79	260.68	246.63	234.66
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	223.92	214.71	204.89	195.45	184.63	173.04	160.54	147.26	134.06
30.0	234.89	224.46	215.02	204.66	194.30	182.02	169.36	155.01	140.28
60.0	223.31	210.03	196.99	184.63	169.28	150.94	133.60	119.56	103.60
90.0	214.94	201.44	187.78	173.89	157.62	143.73	129.38	113.73	98.68
120.0	221.77	209.26	196.14	183.33	168.44	151.56	134.21	119.48	104.44
150.0	231.06	220.16	210.80	200.67	189.54	177.88	164.91	151.10	136.36
180.0	224.23	213.79	204.20	193.92	183.17	171.59	159.69	147.03	133.52
210.0	229.68	218.70	208.57	198.60	187.62	175.12	162.15	148.33	133.60
240.0	225.38	212.56	199.90	187.01	173.20	157.01	138.82	123.70	107.82
270.0	216.48	202.59	189.39	175.27	159.84	145.19	130.45	115.11	99.84
300.0	225.84	213.71	200.52	188.31	174.50	157.24	139.66	124.47	108.51
330.0	229.52	219.62	209.88	200.05	188.47	176.73	163.83	149.41	135.21
360.0	223.92	214.71	204.89	195.45	184.63	173.04	160.54	147.26	134.06

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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	119.56	106.28	92.55	79.73	65.99	51.80	36.99	20.87	5.99
30.0	124.01	106.13	83.64	66.30	51.11	37.91	24.17	8.29	3.99
60.0	88.25	73.51	63.77	52.34	34.69	18.88	14.43	15.96	5.37
90.0	85.64	77.27	64.31	48.34	29.70	20.72	14.35	9.67	5.60
120.0	88.40	73.67	63.92	52.80	34.92	18.95	13.51	7.98	4.99
150.0	121.63	104.52	82.57	66.30	50.80	38.14	24.10	7.98	3.68
180.0	120.48	106.97	93.47	80.04	66.92	52.87	38.29	24.10	8.67
210.0	118.71	100.07	79.96	63.23	46.81	35.38	21.56	7.52	3.84
240.0	93.01	77.27	67.22	55.94	41.52	21.79	15.19	8.52	6.14
270.0	86.79	76.74	64.77	50.03	30.46	21.33	14.73	10.13	5.99
300.0	92.55	77.12	66.68	55.63	41.13	20.72	14.81	8.59	5.83
330.0	119.56	102.06	79.88	63.16	47.65	35.84	20.57	7.37	3.84
360.0	119.56	106.28	92.55	79.73	65.99	51.80	36.99	20.87	5.99

C/γ(°)	90.0
0.0	0.46
30.0	0.61
60.0	0.38
90.0	0.23
120.0	0.23
150.0	0.77
180.0	0.54
210.0	0.46
240.0	0.69
270.0	0.38
300.0	0.38
330.0	0.46
360.0	0.46