

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3083A-24-UN-RC-Y(20-XL-24RGBWN-AJ, L610mm, C, CT)

报告编号:

电压(V): 220.2000

测试编号: 20210401001

电流(A): 0.4670

光源规格型号: XL

功率(W): 101.1000

每个光源光通量(lm)

功率因数: 0.9820

光源数量: 24

镇流器型号:

发光面长度(mm): 550

发光面宽度(mm): 103

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 5051.79

灯具效能(lm/w): 49.97

中心光强(cd): 22284.600

最大光强(cd): 22952.220

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=21.8

[C90/270]Total=22.0

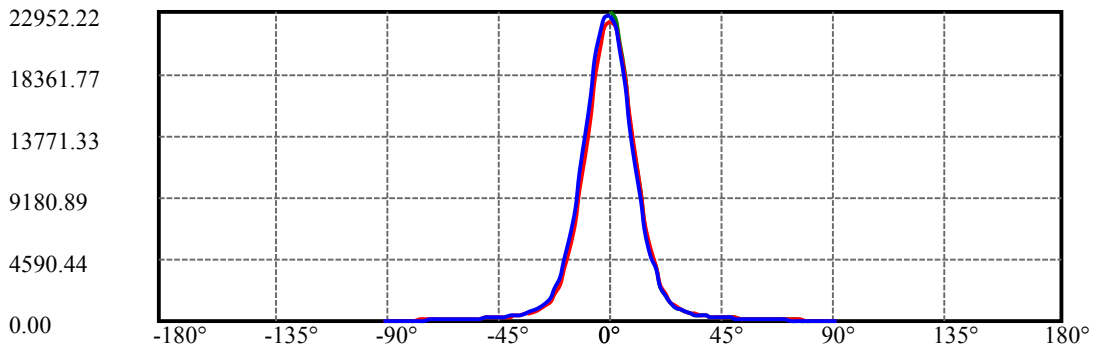
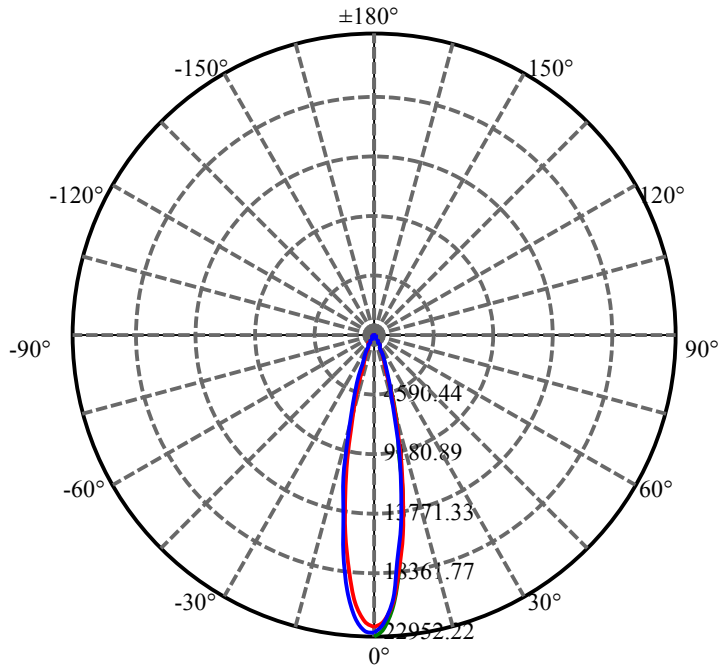
光束扩散角(10%Imax): [C0/180]Total=42.7

[C90/270]Total=43.2

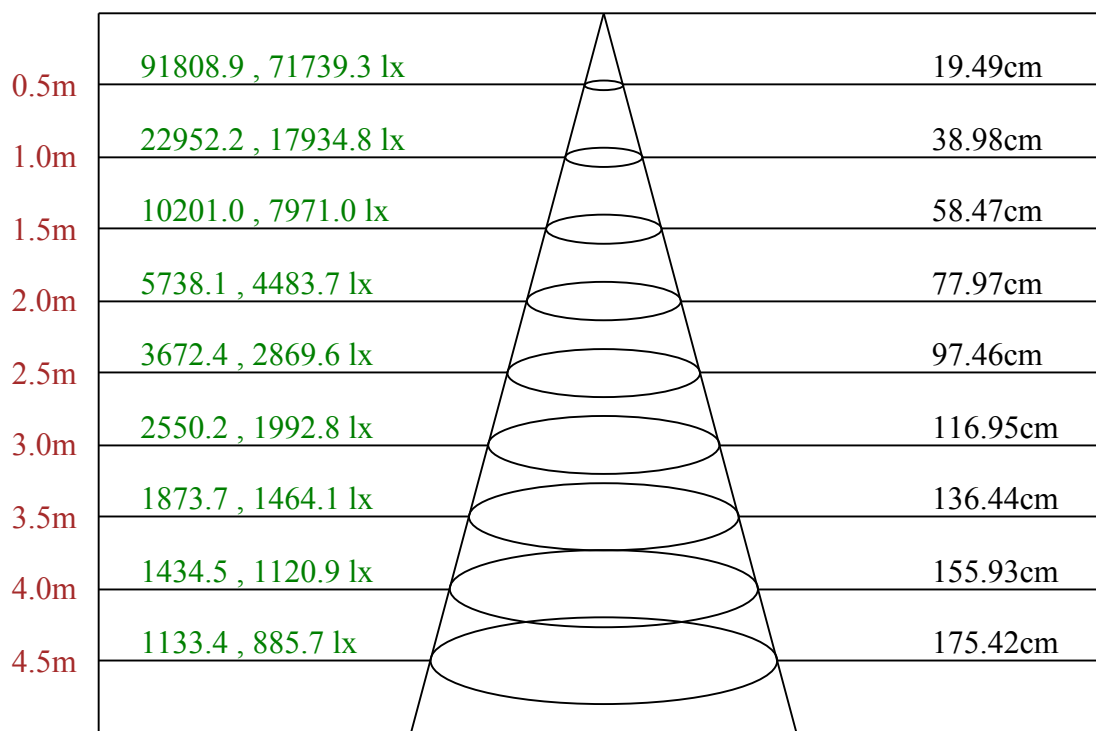
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/1
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

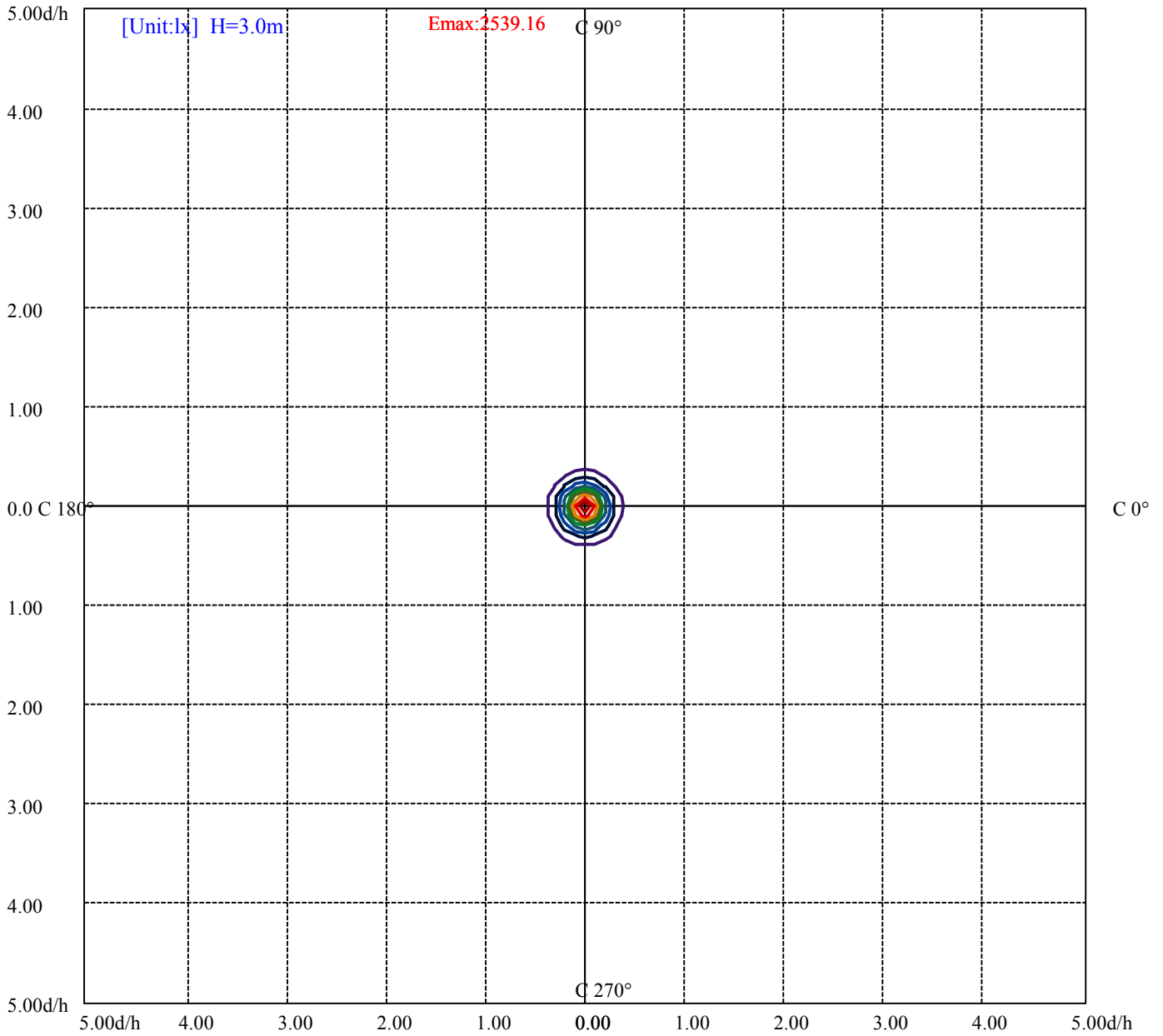


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角22.06

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平面等照度曲线



(10%Emax) 253.9156	——
(20%Emax) 507.8311	——
(30%Emax) 761.7455	——
(40%Emax) 1015.661	——
(50%Emax) 1269.578	——
(60%Emax) 1523.489	——
(70%Emax) 1777.411	——
(80%Emax) 2031.322	——
(90%Emax) 2285.233	——

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灯具的亮度限制曲线(灯具无发光侧边)

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亮度值表

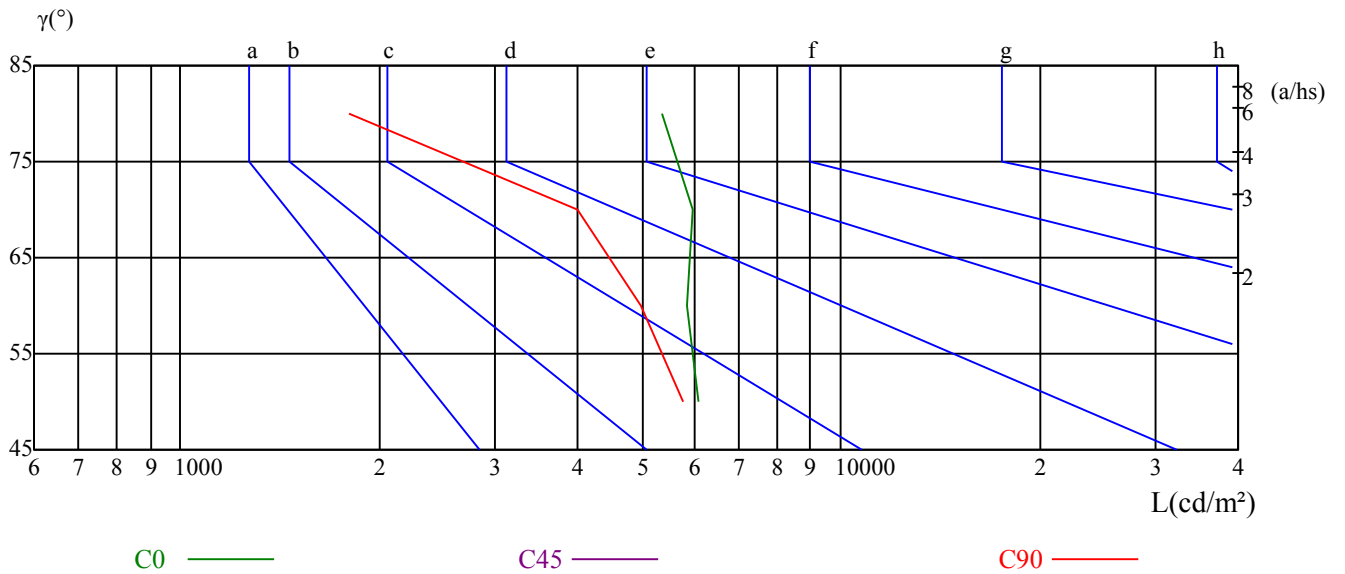
γ	45	50	55	60	65	70	75	80	85
C0	0	6095	0	5846	0	5973	0	5367	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5791	0	4966	0	3988	0	1802	0

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



测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/1
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

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	7.78	8.84	8.15	9.15	9.47	8.23	9.28	8.59	9.60	9.91
	3H	9.25	10.19	9.63	10.52	10.89	10.34	11.28	10.73	11.61	11.98
	4H	9.71	10.58	10.11	10.93	11.32	11.09	11.96	11.49	12.31	12.70
	6H	9.91	10.70	10.32	11.08	11.47	11.61	12.40	12.03	12.78	13.18
	8H	9.92	10.67	10.36	11.06	11.47	11.78	12.52	12.21	12.92	13.33
	12H	9.93	10.64	10.36	11.03	11.46	11.98	12.70	12.42	13.08	13.51
4H	2H	8.48	9.35	8.89	9.71	10.09	8.82	9.69	9.23	10.04	10.43
	3H	10.10	10.81	10.52	11.22	11.63	11.17	11.88	11.59	12.29	12.70
	4H	10.63	11.27	11.06	11.69	12.14	11.99	12.63	12.43	13.05	13.50
	6H	10.85	11.40	11.32	11.85	12.32	12.49	13.04	12.96	13.49	13.96
	8H	10.88	11.39	11.35	11.84	12.31	12.69	13.20	13.16	13.65	14.12
	12H	10.88	11.32	11.37	11.81	12.29	12.90	13.34	13.39	13.83	14.30
8H	4H	10.91	11.42	11.39	11.87	12.35	12.11	12.62	12.59	13.07	13.54
	6H	11.22	11.63	11.73	12.13	12.62	12.70	13.11	13.21	13.61	14.10
	8H	11.29	11.65	11.82	12.17	12.67	12.96	13.32	13.49	13.84	14.33
	12H	11.89	12.20	12.42	12.70	13.28	13.70	14.01	14.22	14.51	15.09
12H	4H	10.91	11.35	11.40	11.84	12.32	12.08	12.52	12.57	13.01	13.48
	6H	11.58	11.61	11.78	12.08	12.63	13.02	13.05	13.22	13.52	14.07
	8H	11.35	11.66	11.87	12.16	12.74	12.97	13.28	13.49	13.78	14.36
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.2/-0.6					
S = 1.5H	0.9/-0.9					0.9/-0.7					
S = 2.0H	1.9/-1.2					1.0/-0.7					
标准表格	BK3					BK3					
更正系数	-1.9					-0.5					

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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	22284.60	21816.50	20389.18	17987.29	15339.85	12362.43	9569.18	7236.36	5363.96
30.0	22952.22	22376.68	20642.41	18087.05	15148.00	12270.34	9484.77	7136.60	5110.72
60.0	22752.70	21854.87	19836.67	17181.55	14304.66	11352.56	8685.16	6457.47	4604.26
90.0	22660.61	21870.22	20074.56	17365.72	14580.14	11602.73	9039.69	6729.89	4857.49
120.0	22484.12	21670.70	19805.97	17265.96	14280.10	11516.01	8897.72	6721.45	4898.16
150.0	22399.71	21854.87	20266.40	18017.99	15217.07	12439.16	9691.96	7313.09	5440.70
180.0	22284.60	21801.15	20335.46	18025.66	15270.02	12310.25	9751.05	7344.56	5363.96
210.0	22952.22	22637.59	21325.38	19207.42	15207.09	13251.05	10440.92	8012.17	5788.32
240.0	22752.70	22706.66	21739.76	19706.22	17173.87	14204.13	11403.21	8794.13	6468.98
270.0	22660.61	22537.83	21494.20	19560.41	16759.49	13887.97	11037.94	8451.11	6336.22
300.0	22484.12	22399.71	21394.44	19483.68	16912.97	14119.72	11027.19	8586.94	6392.24
330.0	22399.71	22008.34	20696.13	18455.39	15204.02	12842.04	10066.44	7629.25	5598.78
360.0	22284.60	21816.50	20389.18	17987.29	15339.85	12362.43	9569.18	7236.36	5363.96
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3944.31	2732.63	1992.88	1461.08	1121.14	883.25	727.47	612.37	521.05
30.0	3928.97	2612.15	1882.37	1398.16	1068.95	851.79	695.24	585.51	498.03
60.0	3267.49	2322.08	1715.09	1297.79	1014.70	807.13	662.02	555.66	476.62
90.0	3905.94	2533.11	1830.96	1364.39	1058.98	834.91	686.80	575.53	485.75
120.0	3538.37	2536.95	1850.91	1417.27	1089.98	875.58	715.96	594.33	499.72
150.0	3921.29	2812.43	2020.50	1514.80	1152.60	916.25	742.05	613.13	518.75
180.0	3833.81	2754.11	1973.69	1489.09	1132.49	894.91	731.08	615.21	519.90
210.0	4123.11	2961.30	2101.08	1518.02	1199.49	934.51	758.09	635.39	535.40
240.0	4596.58	3328.11	2362.75	1719.69	1319.12	1019.84	814.19	670.69	565.56
270.0	4603.49	3344.22	2381.17	1752.69	1331.40	1038.87	829.69	686.11	570.77
300.0	4719.36	3615.88	2464.04	1829.42	1386.65	1070.49	854.09	707.52	586.28
330.0	4137.69	2966.68	2154.79	1513.27	1215.06	957.30	777.12	644.06	539.31
360.0	3944.31	2732.63	1992.88	1461.08	1121.14	883.25	727.47	612.37	521.05
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	440.47	388.29	336.72	303.50	277.18	255.08	237.58	221.93	208.80
30.0	429.73	387.52	338.80	303.27	274.72	252.93	234.59	220.70	208.50
60.0	413.23	364.50	327.06	295.13	270.04	247.17	230.67	216.17	203.51
90.0	418.99	365.50	321.91	287.15	261.83	241.65	225.07	210.87	195.14
120.0	432.03	377.01	334.50	298.89	271.73	249.93	232.05	217.86	204.97
150.0	442.78	389.83	342.94	306.87	277.02	254.69	235.81	220.47	207.96
180.0	444.46	385.38	337.95	304.73	276.18	256.00	238.81	224.00	209.80
210.0	461.65	406.17	356.60	318.23	285.77	261.37	241.95	226.84	213.56
240.0	481.91	421.29	379.70	328.51	295.29	269.66	248.09	231.13	217.17
270.0	483.29	417.76	361.82	319.00	286.08	260.75	240.96	224.92	210.72
300.0	501.10	430.50	389.83	330.13	297.51	269.96	248.94	232.67	217.78
330.0	465.80	403.87	355.68	315.62	284.01	258.61	240.11	223.92	210.57
360.0	440.47	388.29	336.72	303.50	277.18	255.08	237.58	221.93	208.80
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	195.68	185.70	175.19	165.60	156.85	147.95	138.82	127.54	115.72
30.0	197.68	187.93	179.26	172.51	165.83	158.08	147.57	134.75	120.25
60.0	192.53	179.26	165.52	151.48	139.82	126.77	113.42	99.30	84.64
90.0	179.34	165.52	153.32	140.66	128.38	115.95	102.98	89.78	77.27
120.0	193.92	181.02	167.06	153.94	141.96	129.07	115.11	101.83	87.10
150.0	197.45	188.47	180.41	174.73	168.75	160.61	150.02	137.59	121.94
180.0	197.45	186.70	176.19	166.21	156.85	148.41	139.05	128.23	116.56
210.0	202.66	193.07	183.71	175.81	168.82	162.07	153.17	141.12	127.31
240.0	204.81	194.15	180.95	167.36	153.24	139.82	127.69	113.88	99.91
270.0	195.53	179.49	165.14	152.71	139.82	127.31	114.80	101.52	88.63
300.0	205.27	194.38	181.64	167.67	154.01	141.43	128.31	114.95	100.14
330.0	200.13	190.00	181.25	175.27	169.82	162.38	152.94	140.89	125.93
360.0	195.68	185.70	175.19	165.60	156.85	147.95	138.82	127.54	115.72

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光强数据表(cd)

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C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	103.21	91.62	79.12	65.07	52.80	40.29	27.70	17.27	3.99
30.0	101.60	81.42	62.69	48.34	34.92	24.02	15.65	4.07	2.07
60.0	70.98	57.40	46.27	38.91	21.79	8.98	7.14	3.38	1.84
90.0	64.46	54.02	47.35	32.23	17.73	9.82	7.52	3.84	2.23
120.0	73.28	58.78	47.65	40.06	22.94	9.67	7.37	3.76	2.23
150.0	103.37	84.18	64.92	50.03	36.45	25.48	18.42	4.22	2.23
180.0	103.60	90.78	78.35	65.53	52.26	40.59	29.16	18.03	6.83
210.0	111.19	91.55	71.37	54.71	40.29	28.01	20.18	6.37	2.92
240.0	84.56	70.83	56.86	46.12	38.75	20.34	8.21	6.60	3.53
270.0	75.51	62.77	52.80	45.89	27.24	12.97	8.98	6.14	3.76
300.0	85.33	70.83	57.40	46.73	38.83	18.19	7.67	6.06	3.38
330.0	109.89	89.86	69.75	52.95	39.21	26.86	19.95	4.37	2.23
360.0	103.21	91.62	79.12	65.07	52.80	40.29	27.70	17.27	3.99

C/γ(°)	90.0
0.0	0.31
30.0	0.23
60.0	0.23
90.0	0.23
120.0	0.31
150.0	0.31
180.0	0.54
210.0	1.07
240.0	1.61
270.0	1.46
300.0	1.15
330.0	0.38
360.0	0.31