

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(3015-XL-24RGBWH-AJ, L610mm, C, CT)

报告编号:

电压(V): 201.7000

测试编号: 20210301001

电流(A): 0.5220

光源规格型号: XL

功率(W): 103.9000

每个光源光通量(lm)

功率因数: 0.9870

光源数量: 24

镇流器型号:

发光面长度(mm): 550

发光面宽度(mm): 105

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 5140.69

灯具效能(lm/w): 49.48

中心光强(cd): 27686.930

最大光强(cd): 28646.150

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=28.0

[C90/270]Total=13.0

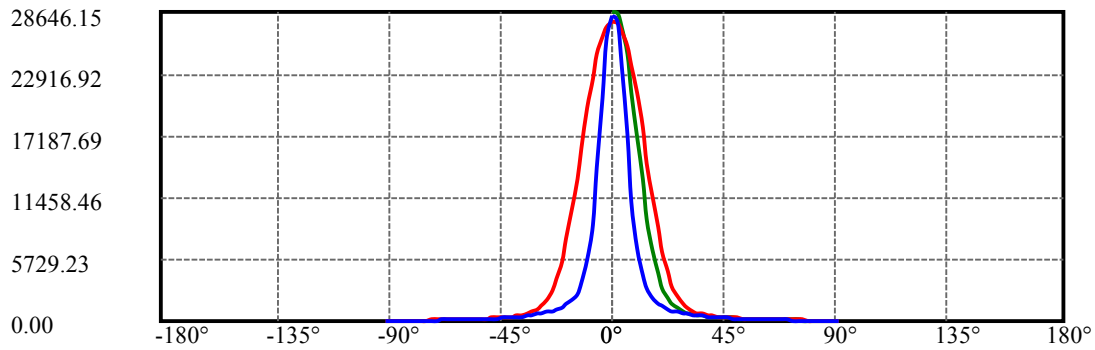
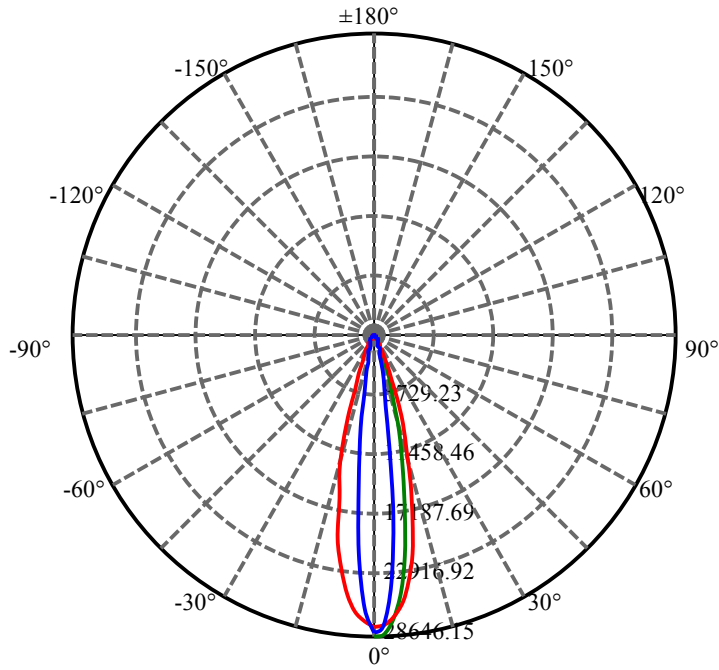
光束扩散角(10%Imax): [C0/180]Total=48.9

[C90/270]Total=27.8

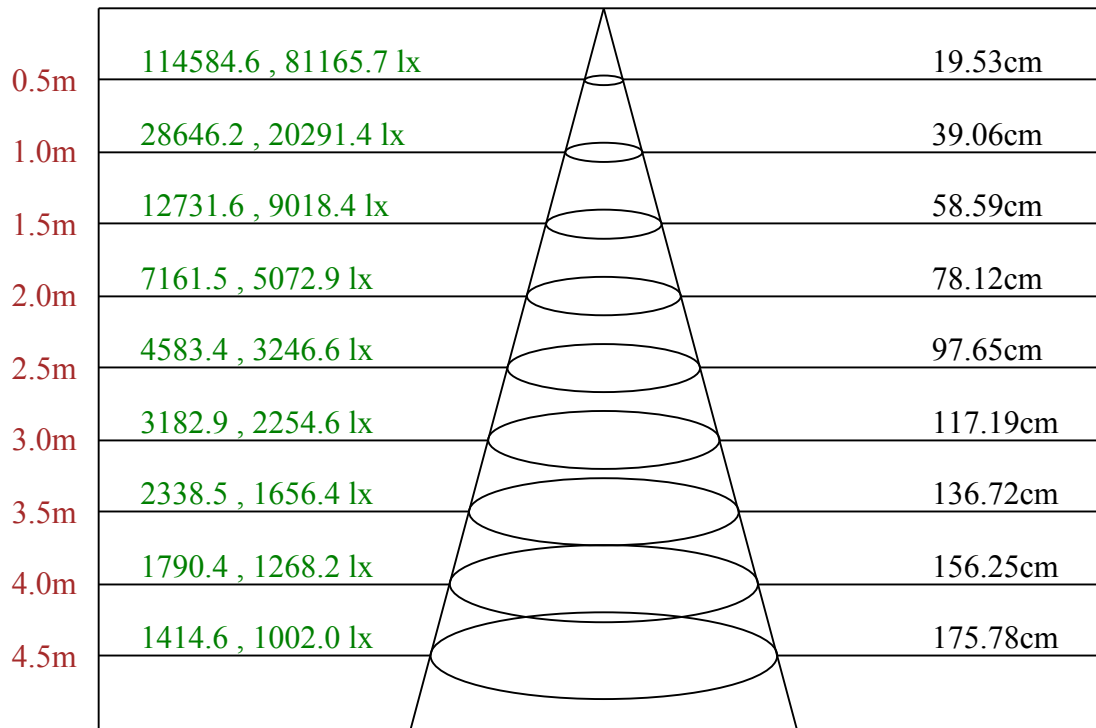
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/1
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

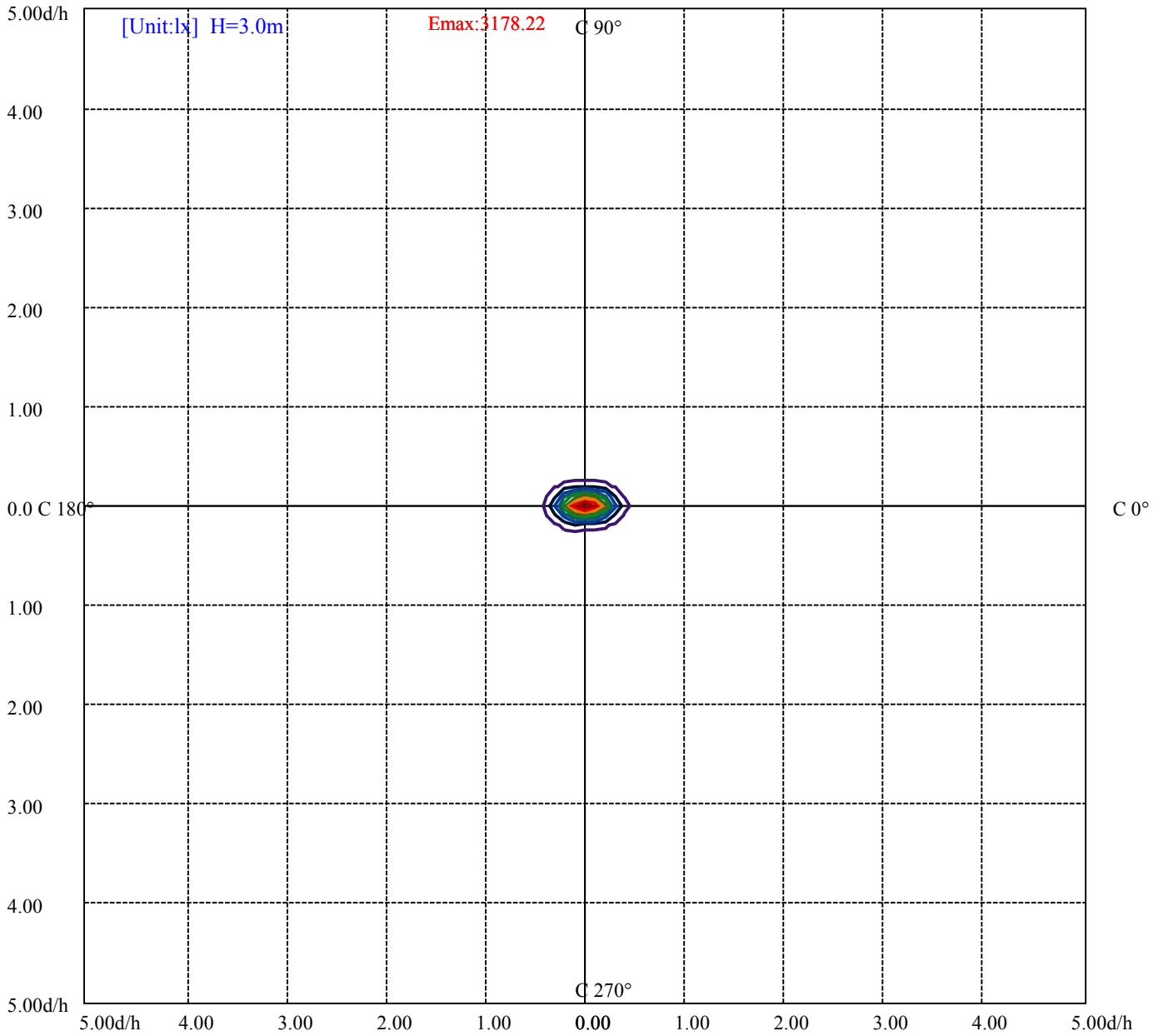


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角22.10

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平面等照度曲线



(10%Emax) 317.8211	——
(20%Emax) 635.6422	——
(30%Emax) 953.4633	——
(40%Emax) 1271.289	——
(50%Emax) 1589.1	——
(60%Emax) 1906.922	——
(70%Emax) 2224.744	——
(80%Emax) 2542.567	——
(90%Emax) 2860.389	——

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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

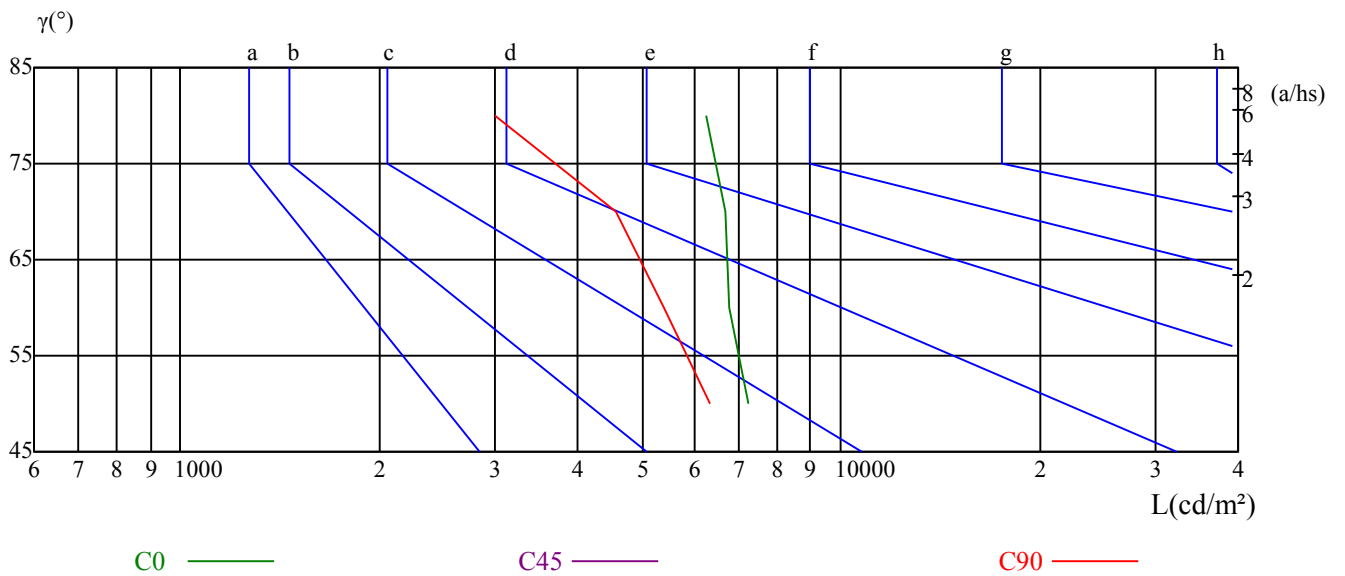
γ	45	50	55	60	65	70	75	80	85
C0	0	7225	0	6766	0	6671	0	6244	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6332	0	5387	0	4557	0	3000	0

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)							
		a	b	c	d	e	f	g	h
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

亮度限制曲线



测试设备: GMS1800
环境温度($^{\circ}\text{C}$): 25.0

测试日期: 2021/3/1
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	7.95	9.01	8.32	9.32	9.64	8.82	9.88	9.19	10.19	10.50
	3H	9.42	10.35	9.80	10.68	11.05	10.77	11.71	11.16	12.04	12.41
	4H	9.90	10.77	10.31	11.12	11.51	11.46	12.33	11.87	12.68	13.07
	6H	10.16	10.95	10.57	11.32	11.72	11.97	12.76	12.39	13.14	13.53
	8H	10.20	10.94	10.63	11.34	11.74	12.14	12.89	12.58	13.28	13.69
	12H	10.22	10.94	10.66	11.32	11.75	12.37	13.08	12.80	13.46	13.89
4H	2H	8.64	9.51	9.05	9.86	10.25	9.31	10.18	9.72	10.53	10.92
	3H	10.26	10.97	10.67	11.38	11.79	11.53	12.24	11.94	12.65	13.05
	4H	10.82	11.46	11.26	11.88	12.33	12.31	12.95	12.75	13.37	13.82
	6H	11.10	11.65	11.57	12.10	12.57	12.82	13.36	13.28	13.81	14.28
	8H	11.16	11.67	11.64	12.12	12.59	13.02	13.53	13.50	13.98	14.46
	12H	11.19	11.63	11.68	12.12	12.60	13.25	13.69	13.74	14.18	14.66
8H	4H	11.13	11.64	11.60	12.09	12.56	12.44	12.95	12.92	13.40	13.87
	6H	11.52	11.93	12.03	12.43	12.91	13.05	13.45	13.55	13.95	14.44
	8H	11.63	11.99	12.16	12.51	13.01	13.32	13.67	13.85	14.20	14.69
	12H	12.22	12.53	12.74	13.02	13.60	14.08	14.39	14.60	14.88	15.46
12H	4H	11.14	11.58	11.63	12.06	12.54	12.41	12.85	12.90	13.34	13.82
	6H	11.89	11.92	12.10	12.39	12.94	13.37	13.40	13.57	13.87	14.42
	8H	11.71	12.02	12.23	12.52	13.09	13.34	13.65	13.87	14.15	14.73
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.4/-0.5					
S = 1.5H	0.7/-0.8					0.8/-0.7					
S = 2.0H	1.5/-1.0					1.5/-0.7					
标准表格	BK3					BK3					
更正系数	-1.1					0.4					

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光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	27686.93	27518.10	26827.46	25469.21	23612.16	21102.84	17979.62	14557.12	11579.70
30.0	28646.15	28477.32	27157.44	24671.14	21187.25	17166.20	13221.89	9454.07	6507.35
60.0	28561.73	27740.64	24456.27	19000.23	13409.13	8669.05	5455.28	3586.72	2544.62
90.0	28300.83	27571.82	23665.88	17273.63	10950.46	6814.30	4281.96	2945.19	2156.33
120.0	28193.39	27364.63	24034.22	18516.78	12707.75	8352.89	5290.29	3587.48	2532.34
150.0	27909.47	27802.03	26512.84	24003.52	20680.78	16483.24	12646.36	9047.36	6384.57
180.0	27686.93	27287.89	26313.32	24747.88	22507.14	19683.19	15938.40	13209.61	10364.18
210.0	28646.15	27671.58	25530.60	22299.95	18478.41	14620.05	10803.89	7742.82	5515.90
240.0	28561.73	26927.22	23151.73	17219.92	11848.29	7735.15	5141.42	3882.92	2468.65
270.0	28300.83	25944.98	20627.07	14187.25	8854.75	5637.91	3574.44	2573.01	1944.53
300.0	28193.39	26574.23	22507.14	17104.81	11487.62	7451.22	4842.14	3562.93	2402.65
330.0	27909.47	26842.81	24678.81	21371.42	17526.87	13542.65	10050.32	7142.74	4987.18
360.0	27686.93	27518.10	26827.46	25469.21	23612.16	21102.84	17979.62	14557.12	11579.70
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	8771.11	6376.89	4604.26	3217.61	2257.62	1651.39	1258.50	974.57	793.47
30.0	4466.13	3026.53	2154.79	1556.24	1209.38	966.13	800.37	670.69	570.93
60.0	1878.54	1494.08	1210.00	1002.65	847.72	730.62	631.17	551.36	488.51
90.0	1681.32	1373.60	1139.55	963.06	826.46	725.94	640.76	567.09	507.24
120.0	1893.88	1524.93	1248.37	1044.32	888.70	769.37	665.62	584.36	511.92
150.0	4366.37	3009.65	2179.35	1617.63	1249.29	1000.66	831.07	695.24	594.72
180.0	7605.46	5586.50	3925.13	2787.88	1987.50	1468.91	1130.04	888.85	720.41
210.0	3809.25	2710.37	2008.99	1519.79	1211.07	982.16	809.81	685.04	590.42
240.0	1890.05	1484.11	1216.29	1016.77	867.90	747.42	653.80	569.39	501.10
270.0	1518.02	1289.35	1093.36	930.75	808.81	710.97	625.87	559.95	500.18
300.0	1852.45	1470.29	1217.83	1028.28	883.25	763.54	663.01	578.60	508.00
330.0	3526.86	2531.57	1902.33	1458.09	1161.35	950.09	794.85	673.60	576.07
360.0	8771.11	6376.89	4604.26	3217.61	2257.62	1651.39	1258.50	974.57	793.47
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	652.27	546.37	465.80	401.34	354.07	318.84	291.76	268.20	250.01
30.0	497.26	432.03	387.52	349.85	320.15	294.75	274.87	257.07	241.26
60.0	433.41	388.98	352.00	322.76	297.59	276.95	257.68	240.04	224.84
90.0	451.98	402.11	362.28	329.89	298.36	274.41	253.54	235.05	218.32
120.0	451.45	402.57	364.50	331.66	304.73	282.55	261.91	243.49	226.53
150.0	511.84	444.31	389.83	351.23	319.84	291.83	270.50	254.39	237.58
180.0	596.94	509.77	431.11	373.79	331.66	299.12	272.50	250.24	232.90
210.0	508.69	447.15	397.19	357.83	326.29	300.12	278.86	260.75	245.10
240.0	442.78	397.50	360.28	327.75	302.19	279.71	259.30	241.03	225.46
270.0	443.77	395.81	355.22	316.16	289.30	266.74	246.40	229.91	213.64
300.0	448.15	399.80	362.74	329.74	303.34	280.32	259.53	241.72	224.84
330.0	499.02	437.86	391.13	350.84	320.38	295.21	274.72	256.92	240.96
360.0	652.27	546.37	465.80	401.34	354.07	318.84	291.76	268.20	250.01
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	232.51	218.93	206.88	195.37	183.71	172.20	160.07	145.72	131.76
30.0	228.06	215.10	203.28	192.76	183.02	172.35	161.15	146.80	131.91
60.0	209.57	196.91	182.87	167.75	152.02	138.20	125.31	111.81	98.30
90.0	203.28	186.09	169.28	155.55	142.12	129.61	116.49	102.98	90.01
120.0	212.18	198.37	184.25	169.21	152.94	138.74	125.08	111.73	96.77
150.0	220.54	203.66	192.23	183.94	176.11	162.53	154.09	141.89	128.15
180.0	217.17	203.97	191.23	178.57	166.60	155.62	142.19	128.46	114.26
210.0	229.98	216.78	204.74	194.45	184.02	173.04	161.61	148.56	133.29
240.0	210.34	196.45	183.33	167.67	151.86	138.13	124.93	111.58	98.99
270.0	197.60	180.56	165.22	151.10	138.74	125.70	112.11	99.38	85.95
300.0	209.34	195.45	182.41	166.29	150.48	137.28	123.39	109.96	96.69
330.0	227.07	214.40	202.43	191.31	181.25	169.74	157.31	144.65	129.46
360.0	232.51	218.93	206.88	195.37	183.71	172.20	160.07	145.72	131.76

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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	116.56	102.83	89.40	76.12	62.62	48.81	36.22	23.40	10.59
30.0	114.80	93.77	72.29	56.56	42.90	29.08	21.64	5.68	2.30
60.0	83.95	70.37	57.02	47.42	34.61	17.88	10.59	5.60	2.69
90.0	76.35	64.92	54.87	48.50	30.08	16.19	11.74	5.53	3.07
120.0	79.12	68.60	54.02	46.35	37.60	18.26	10.28	5.91	2.76
150.0	111.04	92.01	71.52	55.86	41.98	29.16	21.10	6.75	2.92
180.0	100.45	87.02	74.51	62.39	50.57	40.90	29.16	16.88	4.60
210.0	116.79	97.84	74.90	58.40	44.97	31.16	22.56	7.98	3.53
240.0	84.41	70.45	57.48	47.58	38.83	20.26	10.82	6.60	2.92
270.0	72.82	61.31	53.56	41.13	25.48	13.66	10.97	4.30	2.84
300.0	82.95	68.91	56.56	46.89	36.07	18.42	10.82	5.68	2.84
330.0	113.03	91.47	70.98	54.79	41.90	28.70	20.72	6.06	2.69
360.0	116.56	102.83	89.40	76.12	62.62	48.81	36.22	23.40	10.59
C/γ(°)	90.0								
0.0	1.07								
30.0	0.38								
60.0	0.46								
90.0	0.92								
120.0	0.84								
150.0	0.84								
180.0	0.69								
210.0	1.07								
240.0	0.77								
270.0	0.38								
300.0	0.38								
330.0	0.69								
360.0	1.07								