

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(12-XL-24RGBWN-AJ, L610mm, C, CT)

报告编号:

电压(V): 220.1000

测试编号: 20210331004

电流(A): 0.4810

光源规格型号: XL

功率(W): 104.2000

每个光源光通量(lm)

功率因数: 0.9830

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): 5095.03

灯具效能(lm/w): 48.90

中心光强(cd): 53800.730

最大光强(cd): 53800.730

最大光强角度: C=0.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=14.1

[C90/270]Total=13.9

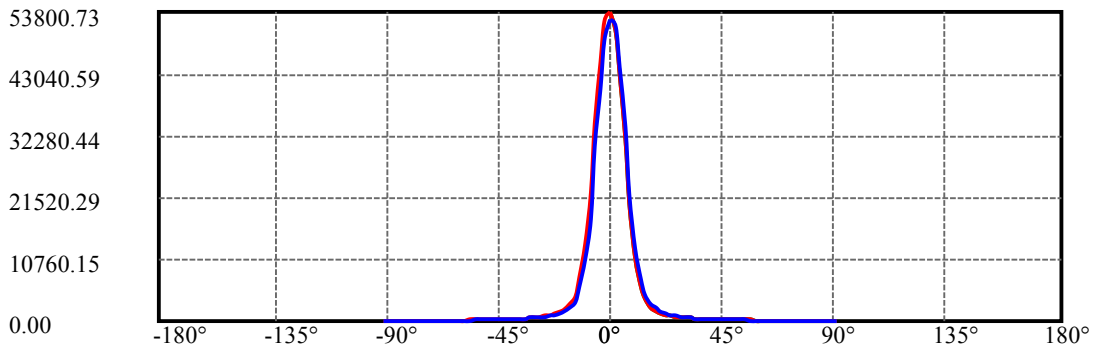
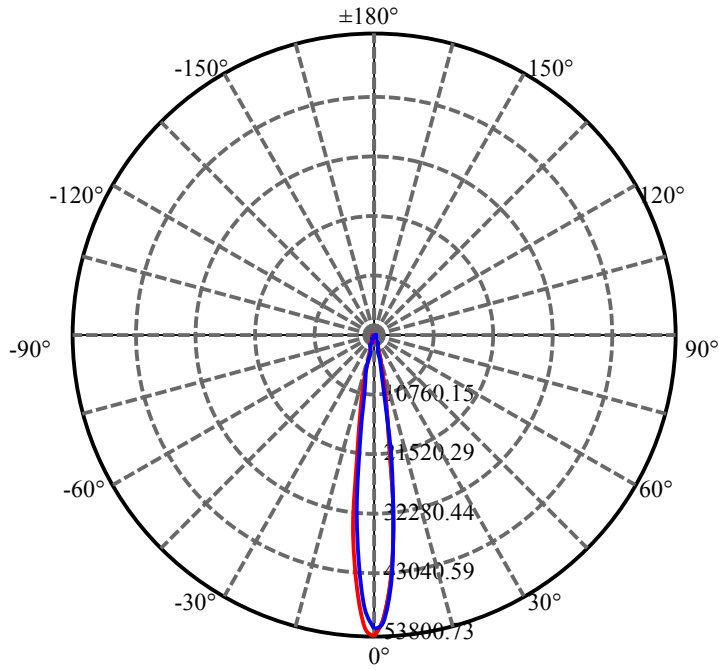
光束扩散角(10%Imax): [C0/180]Total=25.9

[C90/270]Total=26.2

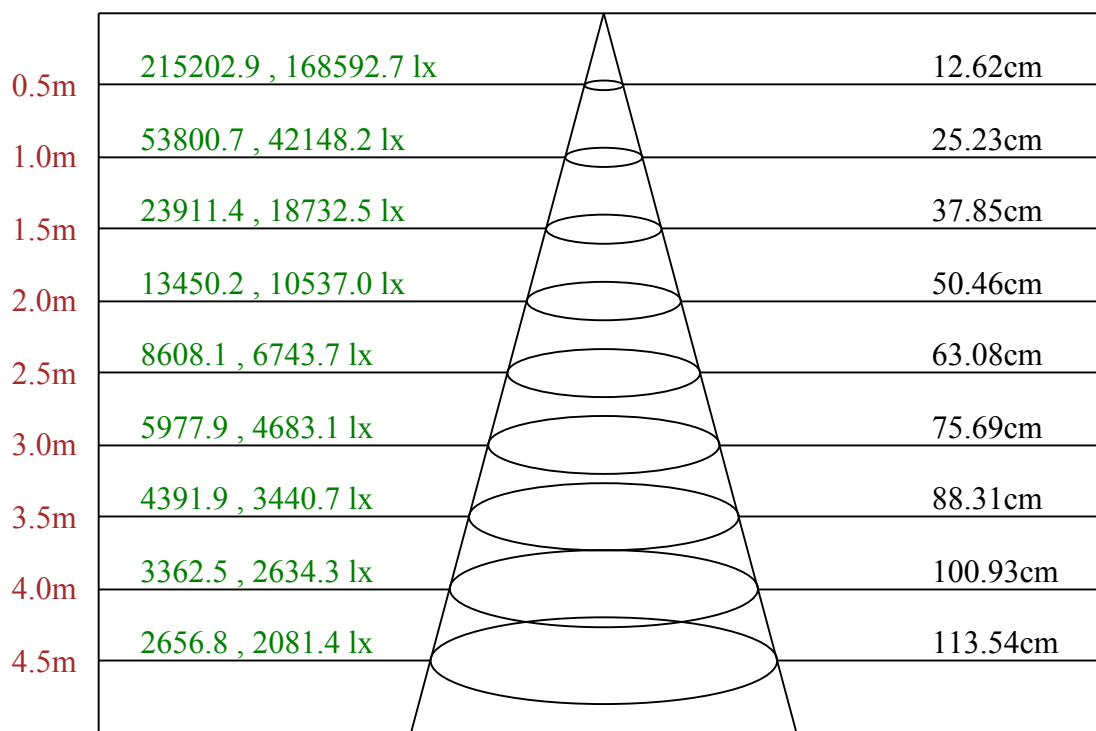
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/31
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

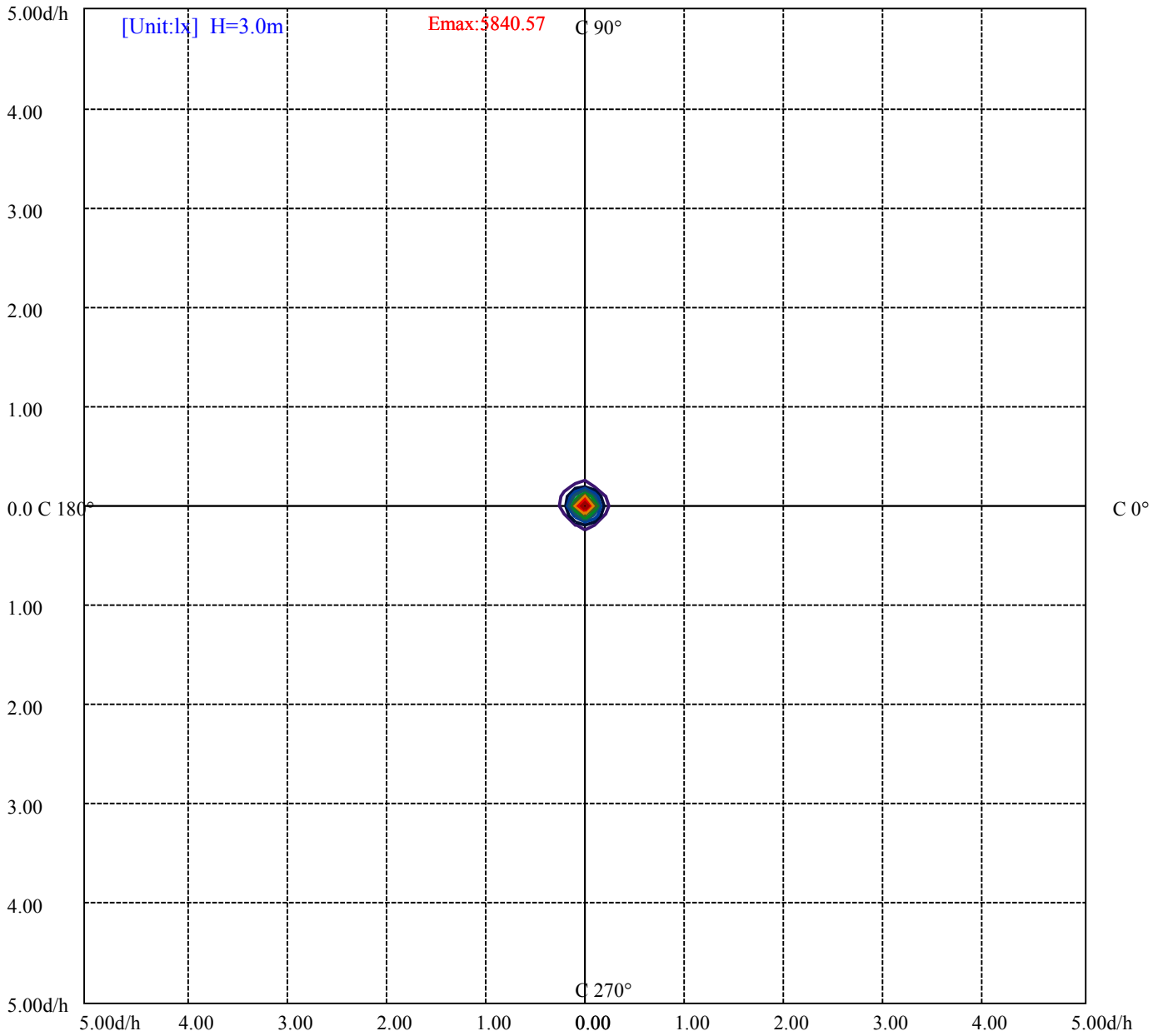


C0(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C0面光束角14.38

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平面等照度曲线



- (10%Emax) 584.0566
- (20%Emax) 1168.111
- (30%Emax) 1752.167
- (40%Emax) 2336.222
- (50%Emax) 2920.278
- (60%Emax) 3504.344
- (70%Emax) 4088.4
- (80%Emax) 4672.456
- (90%Emax) 5256.511

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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

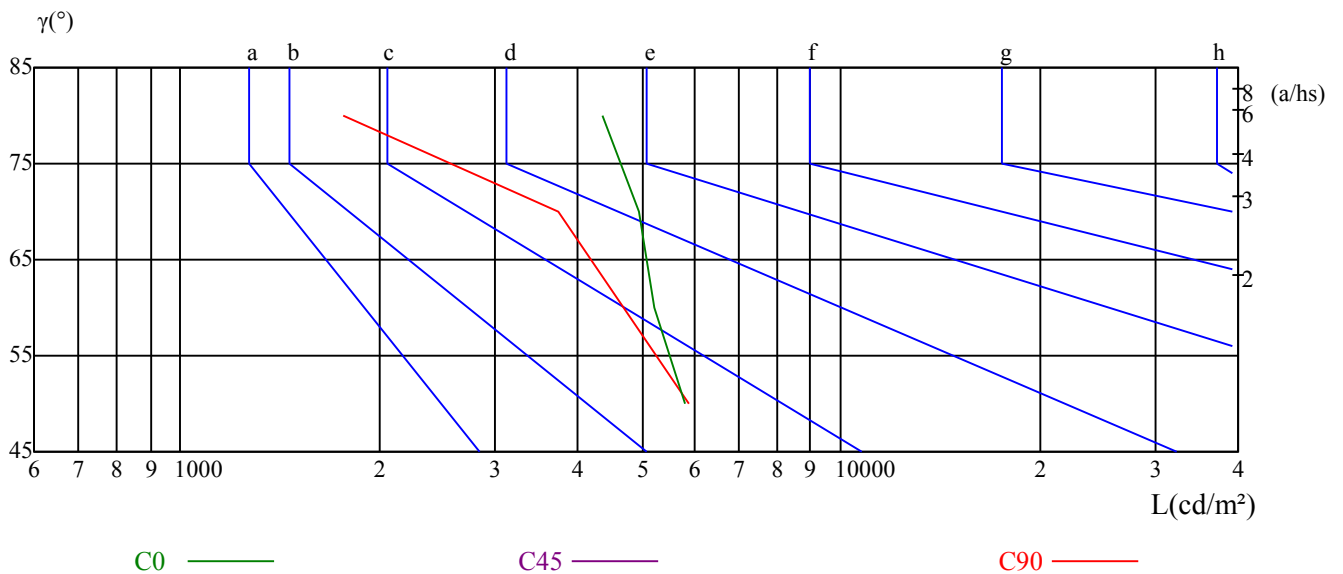
γ	45	50	55	60	65	70	75	80	85
C0	0	5821	0	5229	0	4951	0	4353	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5890	0	4700	0	3739	0	1763	0

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($^{\circ}\text{C}$): 25.0

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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	7.23	8.26	7.60	8.57	8.88	7.55	8.57	7.91	8.88	9.20
	3H	8.51	9.41	8.89	9.75	10.12	9.37	10.27	9.75	10.61	10.97
	4H	8.90	9.74	9.30	10.09	10.48	10.04	10.88	10.45	11.24	11.62
	6H	9.05	9.82	9.47	10.20	10.59	10.51	11.28	10.93	11.66	12.05
	8H	9.06	9.78	9.49	10.17	10.58	10.66	11.38	11.09	11.77	12.18
	12H	9.05	9.74	9.49	10.13	10.56	10.82	11.51	11.25	11.89	12.32
4H	2H	7.77	8.61	8.18	8.96	9.35	8.02	8.86	8.43	9.21	9.60
	3H	9.21	9.90	9.62	10.30	10.71	10.08	10.76	10.49	11.17	11.58
	4H	9.67	10.29	10.11	10.71	11.16	10.85	11.46	11.28	11.88	12.33
	6H	9.86	10.38	10.33	10.83	11.31	11.31	11.84	11.78	12.29	12.76
	8H	9.87	10.36	10.35	10.81	11.29	11.49	11.98	11.96	12.43	12.90
	12H	9.87	10.29	10.36	10.78	11.26	11.65	12.08	12.14	12.57	13.04
8H	4H	9.90	10.39	10.38	10.84	11.32	10.95	11.44	11.42	11.89	12.36
	6H	10.16	10.55	10.67	11.05	11.54	11.50	11.89	12.01	12.39	12.88
	8H	10.21	10.56	10.74	11.08	11.57	11.73	12.07	12.26	12.59	13.09
	12H	10.82	11.12	11.34	11.61	12.19	12.43	12.73	12.95	13.23	13.81
12H	4H	9.89	10.32	10.38	10.80	11.28	10.91	11.33	11.40	11.82	12.30
	6H	10.47	10.52	10.71	11.00	11.54	11.78	11.83	12.02	12.30	12.85
	8H	10.26	10.56	10.78	11.05	11.63	11.74	12.03	12.26	12.53	13.11
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.3/-0.5					
S = 1.5H	0.8/-1.0					0.8/-0.8					
S = 2.0H	2.1/-1.3					1.1/-0.9					
标准表格	BK3					BK3					
更正系数	-2.2					-1.3					

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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	53800.73	50255.45	42627.74	31562.17	20289.42	11080.91	5878.10	3913.62	2236.13
30.0	52588.28	50815.64	43939.95	33910.35	21923.93	12362.43	6476.65	3951.99	2548.46
60.0	52542.23	50125.00	42412.87	31232.20	19752.26	10678.04	6053.83	3680.34	2516.23
90.0	52434.80	51053.53	44062.73	33825.93	22200.19	12822.85	7359.14	4642.62	3075.64
120.0	52925.92	50854.01	43356.74	32713.24	21839.52	12931.82	7768.91	4939.60	3239.09
150.0	53524.48	52281.33	45536.09	35652.29	24103.28	14480.39	8748.09	5317.92	3951.99
180.0	53800.73	52097.16	45098.69	34462.86	22461.10	13350.81	7581.67	4418.55	2883.80
210.0	52588.28	49280.89	41645.50	30664.34	17181.55	10453.96	5553.50	3361.87	2213.88
240.0	52542.23	49725.96	42643.08	31869.13	21087.49	11610.40	6023.90	3944.31	2378.87
270.0	52434.80	48713.03	40425.37	30349.72	17611.28	10570.60	5935.65	3501.54	2292.15
300.0	52925.92	49633.88	41814.32	31715.65	20918.67	11840.61	6369.22	3928.97	2485.53
330.0	53524.48	49365.30	40801.38	29989.05	19514.37	10650.41	5755.32	3470.07	2280.64
360.0	53800.73	50255.45	42627.74	31562.17	20289.42	11080.91	5878.10	3913.62	2236.13
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1668.28	1324.49	1089.67	893.23	767.38	662.25	583.21	512.61	451.22
30.0	1868.56	1448.81	1159.51	956.15	801.14	692.17	602.39	527.19	467.33
60.0	1857.82	1458.17	1155.28	947.02	790.24	677.75	593.34	520.74	461.27
90.0	2191.63	1639.88	1283.82	1027.52	849.49	726.71	627.71	550.98	484.21
120.0	2276.04	1594.61	1314.82	1051.07	877.65	745.43	642.91	560.34	496.03
150.0	2325.92	1727.36	1324.49	1069.72	886.32	754.33	653.04	569.39	503.40
180.0	2030.48	1519.40	1217.90	1006.57	844.96	731.08	634.54	553.12	484.75
210.0	1688.23	1350.43	1104.94	917.17	778.89	672.37	591.49	520.43	459.73
240.0	1747.32	1383.58	1133.41	933.13	797.30	682.20	598.55	526.42	468.10
270.0	1718.92	1367.92	1110.32	932.59	793.85	686.11	600.24	530.56	468.87
300.0	1793.36	1425.78	1152.60	958.45	807.28	702.92	612.37	539.47	476.54
330.0	1693.60	1348.59	1104.79	919.09	788.25	680.43	594.79	525.42	463.26
360.0	1668.28	1324.49	1089.67	893.23	767.38	662.25	583.21	512.61	451.22
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	402.11	359.75	323.07	292.29	267.89	245.94	227.91	211.95	195.99
30.0	415.92	388.29	339.03	307.87	279.32	255.84	236.97	218.32	201.90
60.0	411.16	370.64	334.27	303.88	276.33	253.39	233.13	214.10	198.29
90.0	428.96	388.29	346.16	310.33	279.48	254.23	233.59	214.48	197.29
120.0	438.94	390.75	351.46	315.39	286.54	260.22	239.19	219.09	202.05
150.0	444.31	397.50	357.37	320.53	290.68	264.28	242.18	222.00	205.58
180.0	430.11	381.46	340.41	307.56	278.40	254.85	234.89	217.17	200.29
210.0	411.70	368.49	332.89	300.81	273.34	250.39	232.13	213.71	197.91
240.0	415.15	373.41	335.34	303.96	276.64	252.70	233.90	215.71	199.75
270.0	420.06	375.48	336.57	305.19	275.87	248.86	228.91	211.57	195.22
300.0	421.29	388.29	342.02	308.56	280.32	256.92	236.81	219.24	202.13
330.0	412.54	368.72	332.66	301.27	274.87	251.16	231.67	213.41	198.21
360.0	402.11	359.75	323.07	292.29	267.89	245.94	227.91	211.95	195.99
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	182.48	170.97	159.15	148.10	138.43	127.84	117.41	106.59	95.92
30.0	188.54	177.49	165.60	154.78	144.19	133.75	123.70	112.04	101.14
60.0	184.55	172.51	158.85	142.58	126.85	113.80	101.14	88.86	76.43
90.0	181.25	162.84	147.11	133.14	120.40	108.43	96.15	84.56	72.44
120.0	188.16	174.58	160.23	142.27	127.00	113.34	101.14	88.94	76.43
150.0	191.38	179.41	167.06	155.16	144.34	134.21	123.39	112.34	101.29
180.0	185.63	173.04	161.07	150.48	139.43	129.61	119.33	109.12	98.30
210.0	186.01	174.58	162.84	152.48	142.12	131.68	121.17	110.20	98.61
240.0	185.86	173.81	161.30	148.26	133.37	117.49	104.21	91.62	78.50
270.0	181.25	166.52	148.64	133.14	119.71	107.89	95.92	83.18	71.44
300.0	187.70	175.27	162.61	149.72	134.14	118.33	104.06	91.16	78.50
330.0	185.40	173.66	162.22	151.02	140.43	130.61	120.09	108.81	97.30
360.0	182.48	170.97	159.15	148.10	138.43	127.84	117.41	106.59	95.92

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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	85.10	74.44	64.38	53.56	42.82	31.54	21.79	12.35	3.99
30.0	88.79	74.13	57.55	44.66	33.23	22.79	15.58	3.61	1.84
60.0	64.61	53.10	42.05	35.30	21.41	9.44	5.91	3.53	2.15
90.0	61.16	50.65	43.28	31.08	17.34	8.13	6.52	3.30	2.38
120.0	64.46	52.34	41.75	34.69	20.57	8.36	5.76	3.30	2.00
150.0	88.09	72.21	55.02	43.13	31.77	21.64	14.81	3.45	1.61
180.0	87.48	77.43	66.99	55.02	43.51	32.92	22.33	12.58	3.30
210.0	87.33	72.67	55.33	41.98	30.46	20.18	14.12	3.45	1.76
240.0	66.15	54.48	42.90	35.15	28.39	13.20	6.68	4.76	2.76
270.0	59.47	49.04	41.13	33.84	19.26	8.82	7.29	4.37	3.15
300.0	65.46	53.64	41.82	34.15	27.63	13.12	6.22	4.76	2.76
330.0	86.02	71.90	55.10	41.28	29.77	20.03	14.50	3.61	2.00
360.0	85.10	74.44	64.38	53.56	42.82	31.54	21.79	12.35	3.99

C/γ(°)	90.0
0.0	0.31
30.0	0.31
60.0	0.23
90.0	0.08
120.0	0.23
150.0	0.23
180.0	0.23
210.0	0.23
240.0	0.38
270.0	0.54
300.0	0.69
330.0	0.46
360.0	0.31