

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3823A-24-24DC-PC-A3(20-OL-24WN-AA.L1000.C.CT)

报告编号:

电压(V): 23.7000

测试编号: 20210325010

电流(A): 1.0290

光源规格型号: OL

功率(W): 24.4000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 24

镇流器型号:

发光面长度(mm): 990

发光面宽度(mm): 30

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2619.38

灯具效能(lm/w): 107.35

中心光强(cd): 13604.040

最大光强(cd): 14567.100

最大光强角度: $C=60.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=18.9

[C90/270]Total=17.9

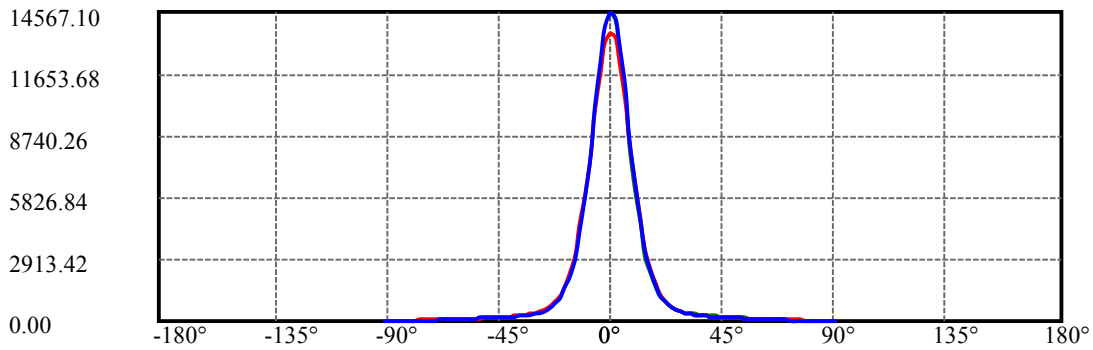
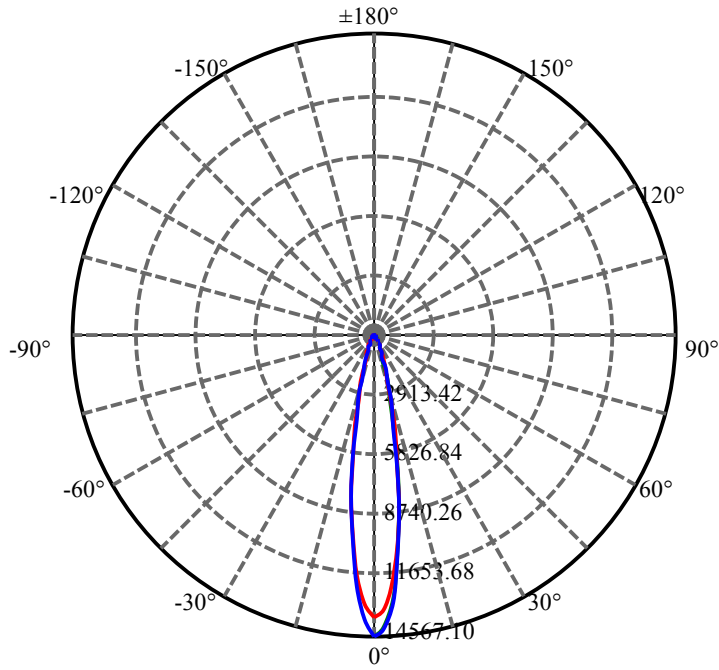
光束扩散角(10%Imax): [C0/180]Total=38.8

[C90/270]Total=37.2

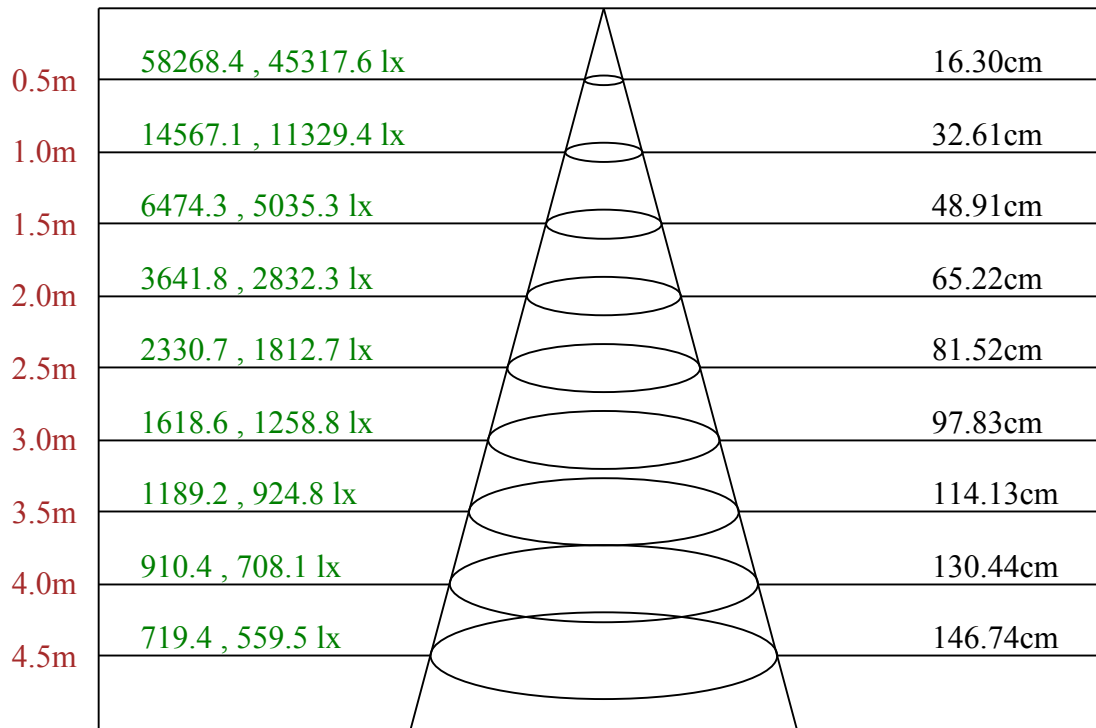
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/25
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

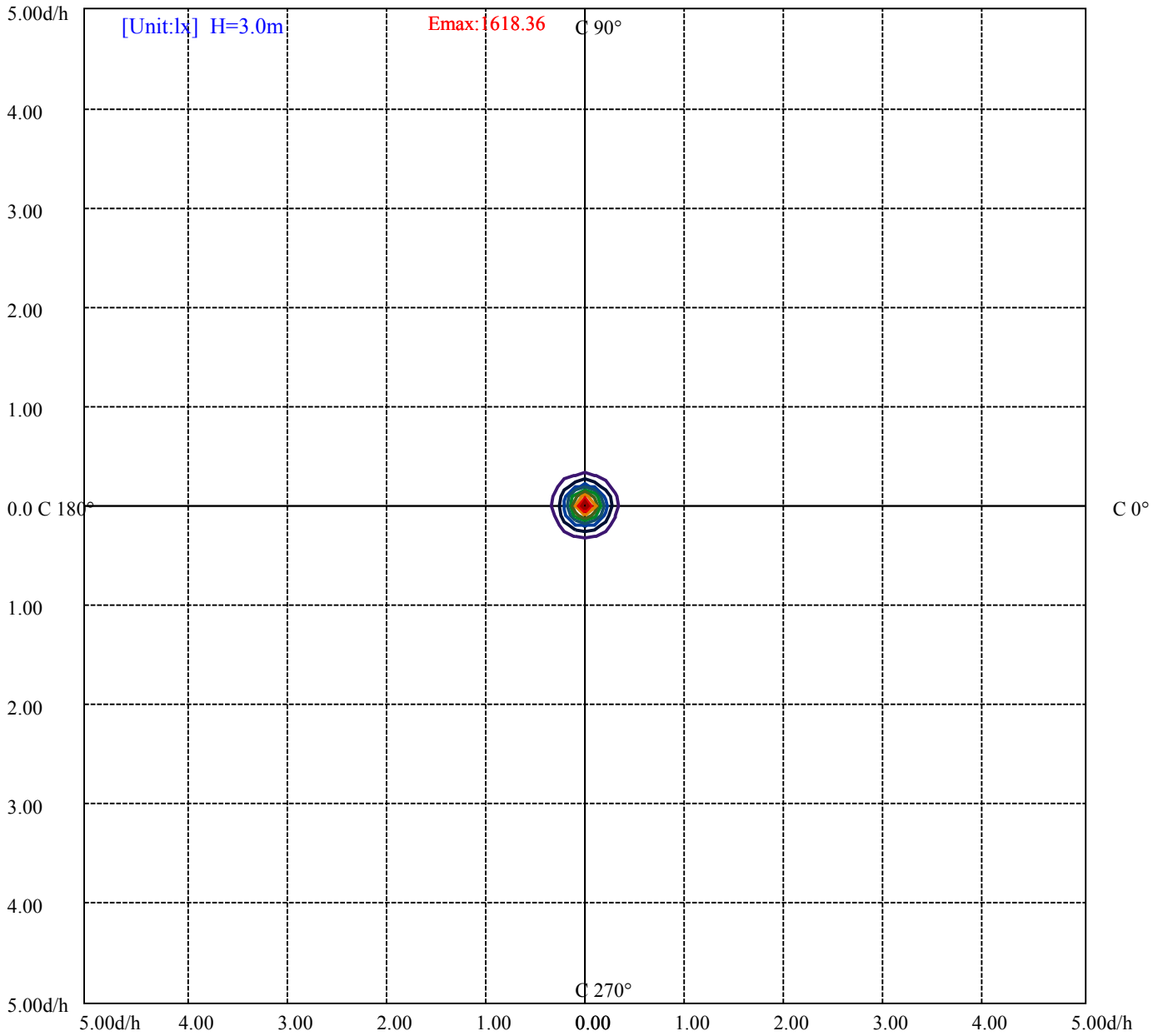


C60(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C60面光束角18.52

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平面等照度曲线



(10%Emax) 161.8356	——
(20%Emax) 323.67	——
(30%Emax) 485.5045	——
(40%Emax) 647.34	——
(50%Emax) 809.1755	——
(60%Emax) 971.01	——
(70%Emax) 1132.844	——
(80%Emax) 1294.678	——
(90%Emax) 1456.511	——

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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

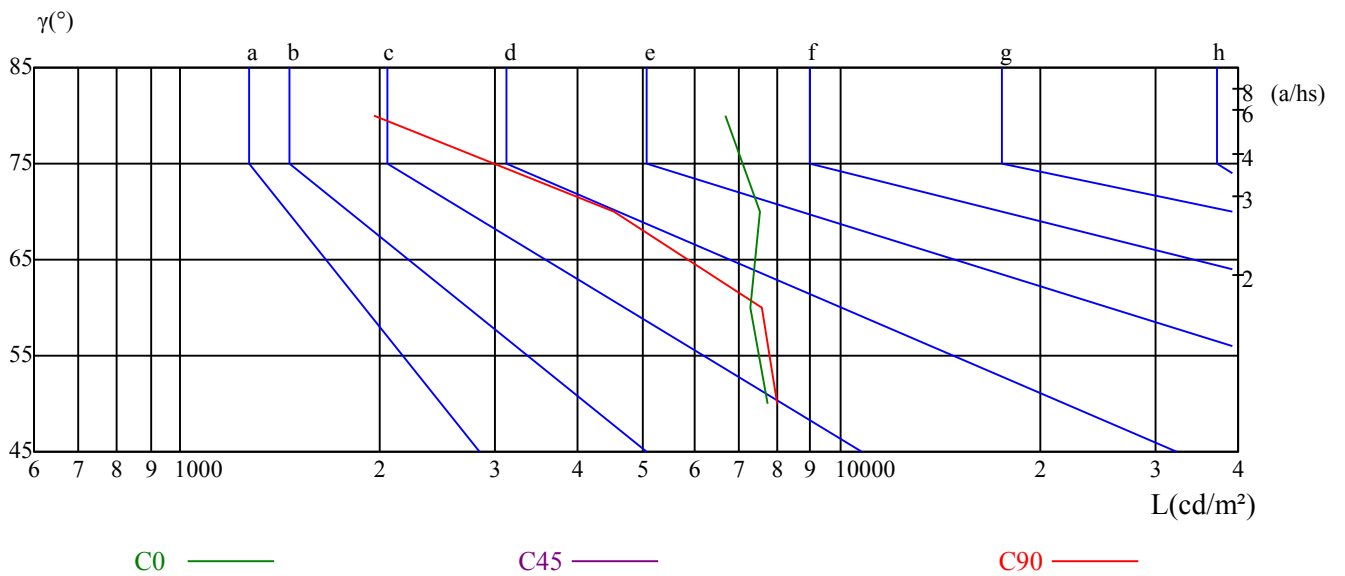
γ	45	50	55	60	65	70	75	80	85
C0	0	7774	0	7317	0	7547	0	6696	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7995	0	7596	0	4548	0	1964	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
1700	1321	0	1273	888	0	756	430	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: 2021/3/25
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	12.22	13.33	12.59	13.64	13.96	12.12	13.23	12.49	13.54	13.86
	3H	13.40	14.38	13.78	14.72	15.08	14.24	15.22	14.62	15.55	15.92
	4H	13.56	14.47	13.96	14.82	15.21	15.01	15.92	15.41	16.27	16.66
	6H	13.58	14.42	14.00	14.79	15.19	15.49	16.33	15.91	16.71	17.10
	8H	13.56	14.35	13.99	14.74	15.15	15.65	16.43	16.08	16.83	17.24
	12H	13.54	14.29	13.97	14.67	15.10	15.86	16.61	16.29	16.99	17.43
4H	2H	12.97	13.88	13.37	14.23	14.62	12.90	13.81	13.30	14.16	14.55
	3H	14.22	14.97	14.63	15.37	15.78	15.20	15.96	15.62	16.36	16.77
	4H	14.40	15.07	14.83	15.49	15.94	16.08	16.75	16.51	17.17	17.62
	6H	14.43	15.00	14.90	15.45	15.92	16.53	17.11	17.00	17.56	18.03
	8H	14.40	14.94	14.88	15.39	15.86	16.69	17.23	17.17	17.68	18.15
	12H	14.38	14.85	14.87	15.33	15.81	16.89	17.36	17.38	17.84	18.32
8H	4H	14.65	15.19	15.13	15.64	16.11	16.15	16.69	16.63	17.14	17.61
	6H	14.69	15.12	15.20	15.62	16.11	16.67	17.10	17.18	17.60	18.09
	8H	14.68	15.06	15.21	15.58	16.07	16.87	17.25	17.40	17.77	18.27
	12H	15.56	15.88	16.08	16.38	16.96	17.61	17.94	18.13	18.44	19.01
12H	4H	14.64	15.11	15.13	15.60	16.07	16.11	16.57	16.60	17.06	17.54
	6H	15.08	15.08	15.23	15.55	16.09	17.01	17.01	17.16	17.48	18.03
	8H	14.70	15.03	15.22	15.53	16.10	16.85	17.18	17.37	17.68	18.26
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.7					0.3/-0.6					
S = 1.5H	1.2/-0.7					0.8/-0.7					
S = 2.0H	1.8/-1.8					0.8/-0.8					
标准表格	BK3					BK3					
更正系数	0.4					1.5					

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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	13604.04	13296.32	12145.26	10358.04	8477.97	6490.47	4735.48	3410.22	2454.07
30.0	14563.26	14242.50	13024.67	11085.51	8821.75	6716.07	4840.61	3448.59	2392.68
60.0	14567.10	14094.39	12736.14	10688.78	8343.68	6175.84	4479.94	3104.80	2217.72
90.0	14531.80	14247.87	12935.66	10904.41	8585.40	6474.35	4634.18	3306.62	2317.48
120.0	14516.45	14024.56	12567.32	10513.82	8319.12	6203.47	4555.91	3218.37	2292.92
150.0	14292.38	13851.14	12559.64	10617.41	8456.48	6494.30	4751.59	3467.00	2470.95
180.0	13604.04	13032.35	11667.18	9833.92	7891.69	5998.58	4490.68	3206.86	2284.48
210.0	14563.26	13868.02	12278.78	10325.81	8152.60	6090.66	4497.59	3199.96	2239.20
240.0	14567.10	13970.85	12537.39	10420.20	8359.79	6191.19	4519.08	3227.58	2322.08
270.0	14531.80	13771.33	12189.77	10040.35	7829.54	5879.63	4153.04	2981.26	2079.59
300.0	14516.45	13979.29	12497.49	10390.27	8319.12	6246.44	4488.38	3206.10	2308.27
330.0	14292.38	13719.92	12243.48	10362.65	8214.76	6151.29	4547.47	3249.07	2289.85
360.0	13604.04	13296.32	12145.26	10358.04	8477.97	6490.47	4735.48	3410.22	2454.07
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1738.87	1283.05	940.80	705.99	550.98	448.15	389.06	322.30	287.08
30.0	1703.57	1237.78	933.90	719.80	572.46	476.54	410.55	369.18	335.96
60.0	1528.61	1175.16	886.93	698.54	559.03	465.26	405.40	360.28	328.59
90.0	1655.23	1220.13	892.46	692.17	542.53	441.24	389.06	320.92	286.38
120.0	1512.81	1240.92	930.83	716.27	569.09	460.73	388.75	331.89	294.60
150.0	1787.99	1308.38	985.31	751.26	584.74	472.70	391.36	339.56	296.97
180.0	1518.79	1218.59	902.97	686.26	541.77	437.17	367.04	317.39	283.70
210.0	1512.65	1188.90	875.88	683.35	545.07	449.38	390.90	348.16	315.08
240.0	1636.81	1188.67	890.16	673.76	537.16	444.31	389.06	343.17	312.55
270.0	1508.20	1083.15	802.21	599.93	476.46	387.45	329.74	290.68	261.06
300.0	1635.28	1192.50	894.76	674.52	530.26	428.20	372.48	313.17	279.02
330.0	1507.43	1227.19	903.20	696.70	544.68	437.33	366.42	317.00	278.94
360.0	1738.87	1283.05	940.80	705.99	550.98	448.15	389.06	322.30	287.08
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	259.60	239.96	220.16	204.51	189.31	174.19	161.00	148.41	137.51
30.0	310.25	285.92	261.60	239.50	217.63	198.98	181.56	166.21	153.55
60.0	301.50	278.79	254.77	231.13	211.18	192.61	177.03	161.30	149.33
90.0	260.68	240.50	222.31	206.88	191.54	177.95	164.60	152.63	141.96
120.0	265.74	244.49	225.38	207.88	191.61	176.65	163.07	150.56	139.89
150.0	269.58	246.17	227.22	209.34	192.84	178.57	164.68	152.32	141.35
180.0	257.68	236.97	217.78	200.36	184.02	169.44	156.77	144.65	134.37
210.0	290.68	267.74	245.71	226.30	207.27	189.54	174.27	161.69	149.95
240.0	287.00	265.28	244.18	224.38	207.11	189.31	174.12	160.92	148.87
270.0	241.42	224.38	208.42	194.22	181.41	168.59	157.24	147.64	138.20
300.0	252.62	232.98	216.02	200.13	186.24	172.89	161.53	150.48	140.43
330.0	252.39	232.05	213.48	198.52	184.02	170.43	158.54	148.33	138.05
360.0	259.60	239.96	220.16	204.51	189.31	174.19	161.00	148.41	137.51
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	127.23	119.86	113.73	108.66	104.21	98.84	92.47	84.87	76.66
30.0	141.35	132.30	124.47	118.64	113.88	109.43	104.06	96.84	88.48
60.0	138.20	129.46	122.32	116.87	112.73	107.13	94.85	76.58	52.57
90.0	132.83	124.70	118.56	112.80	102.52	92.78	71.14	56.56	46.20
120.0	130.68	122.86	117.41	113.11	109.20	104.21	95.92	80.80	57.55
150.0	132.22	124.24	118.25	113.57	109.12	104.21	97.61	89.63	79.65
180.0	125.08	117.72	112.34	107.74	102.91	97.53	91.09	82.26	73.28
210.0	140.43	133.06	127.31	123.24	119.40	114.42	107.82	100.30	91.39
240.0	138.66	131.22	125.47	121.32	117.95	113.42	104.82	84.26	59.63
270.0	130.30	124.01	119.86	115.80	107.36	93.77	70.21	54.79	44.35
300.0	131.53	124.39	118.71	114.80	111.42	106.67	98.99	83.72	59.55
330.0	129.99	123.24	117.64	113.65	109.27	103.67	96.69	87.63	77.89
360.0	127.23	119.86	113.73	108.66	104.21	98.84	92.47	84.87	76.66

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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	68.60	60.62	52.87	45.20	34.53	27.78	20.57	14.12	6.68
30.0	78.89	68.76	56.02	39.83	20.34	10.44	3.53	2.46	1.07
60.0	39.75	30.16	20.57	12.05	7.21	6.22	3.84	2.15	1.69
90.0	36.14	27.17	18.34	11.36	10.13	8.21	4.14	2.76	2.15
120.0	42.82	32.46	22.56	14.50	8.98	7.60	4.68	2.23	1.84
150.0	69.14	59.24	49.34	39.06	25.63	14.04	5.14	3.30	1.07
180.0	65.46	57.17	50.03	41.82	31.54	25.09	18.65	12.66	6.14
210.0	81.57	70.45	58.17	40.06	18.72	9.29	3.38	2.23	1.07
240.0	40.44	30.85	21.18	12.66	7.67	6.45	3.68	2.07	1.53
270.0	34.61	25.02	16.81	11.59	10.28	7.14	3.07	2.61	1.53
300.0	42.51	32.15	22.71	14.12	9.36	7.52	3.68	2.23	1.61
330.0	67.91	58.86	48.65	37.60	21.03	11.20	4.45	2.38	1.00
360.0	68.60	60.62	52.87	45.20	34.53	27.78	20.57	14.12	6.68

C/γ(°)	90.0
0.0	0.15
30.0	0.23
60.0	0.23
90.0	0.31
120.0	0.38
150.0	0.38
180.0	0.15
210.0	0.23
240.0	0.15
270.0	0.00
300.0	0.15
330.0	0.15
360.0	0.15