

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

报告编号:

电压(V): 201.2000

测试编号: 20210228001

电流(A): 0.5050

光源规格型号: XL

功率(W): 100.1000

每个光源光通量(lm)

功率因数: 0.9850

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): 4729.66

灯具效能(lm/w): 47.25

中心光强(cd): 4270.448

最大光强(cd): 4420.086

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=55.8

[C90/270]Total=56.0

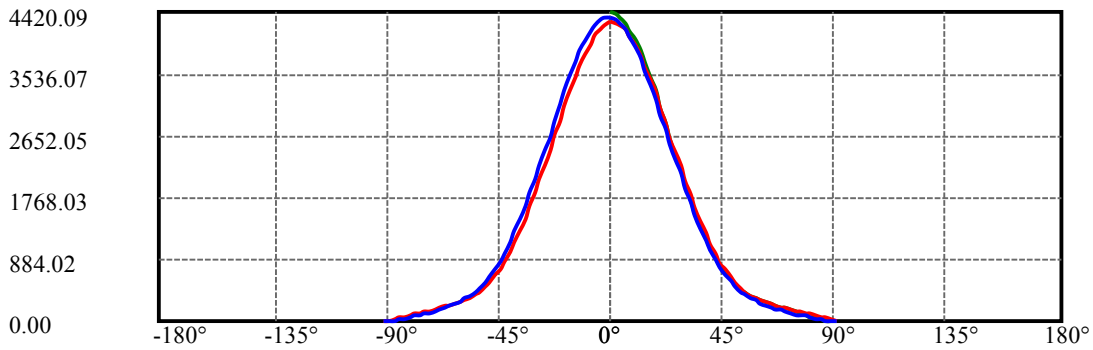
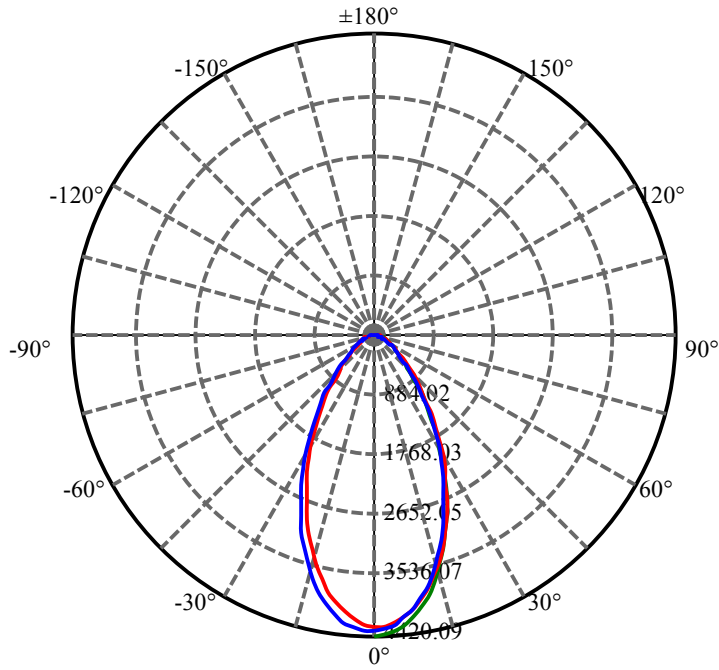
光束扩散角(10%Imax): [C0/180]Total=105.5

[C90/270]Total=105.0

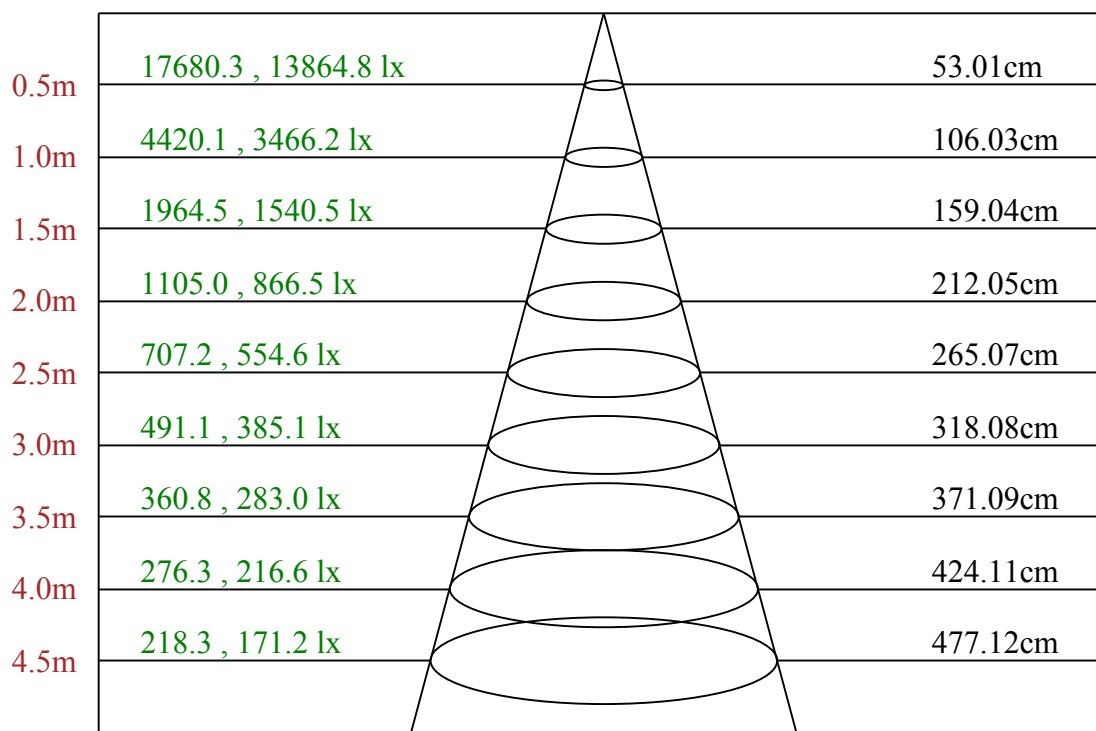
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/28
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

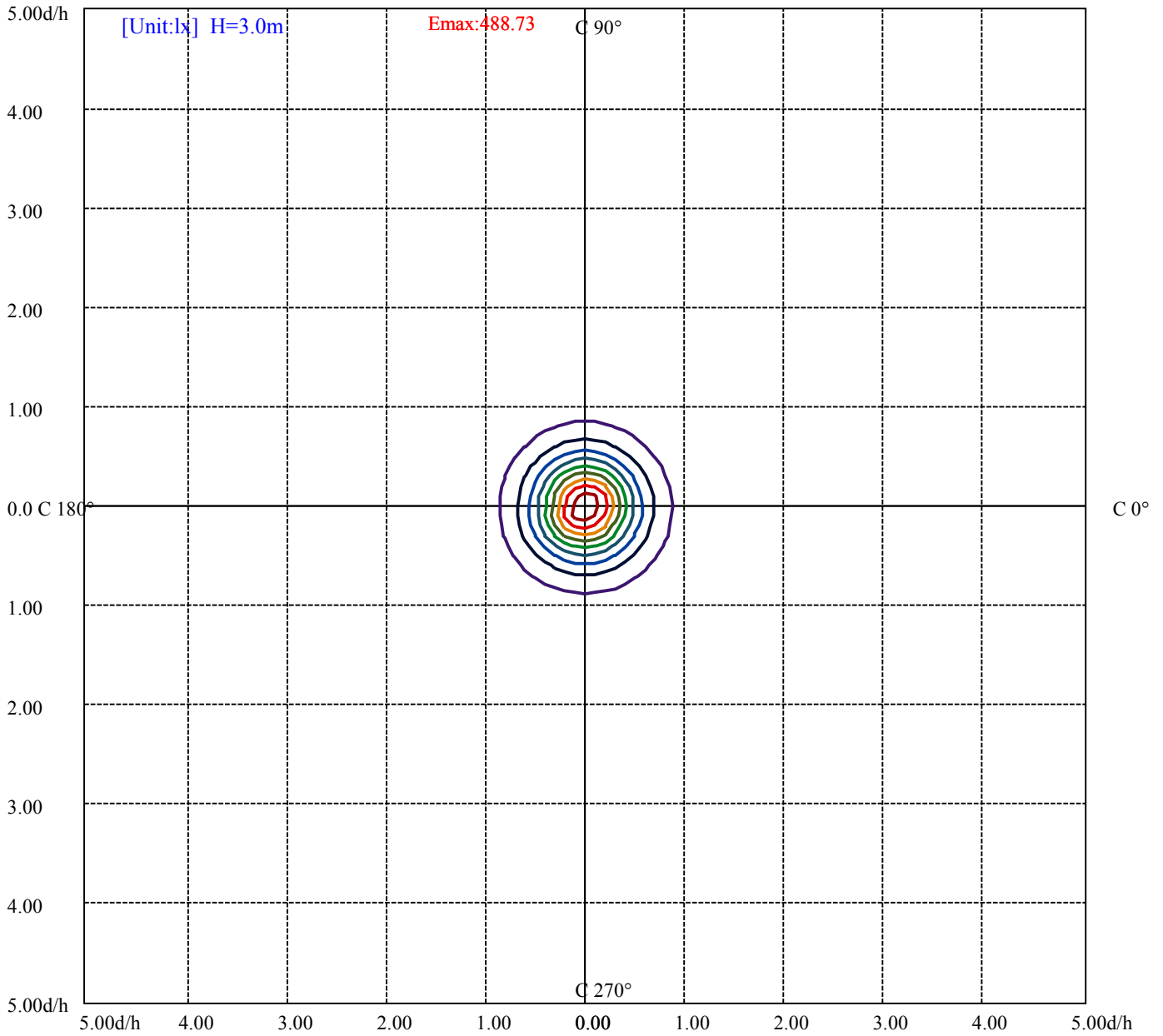


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角55.86

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平面等照度曲线



(10%Emax) 48.87322	—
(20%Emax) 97.74655	—
(30%Emax) 146.62	—
(40%Emax) 195.4933	—
(50%Emax) 244.3667	—
(60%Emax) 293.24	—
(70%Emax) 342.1122	—
(80%Emax) 390.9856	—
(90%Emax) 439.8589	—

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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

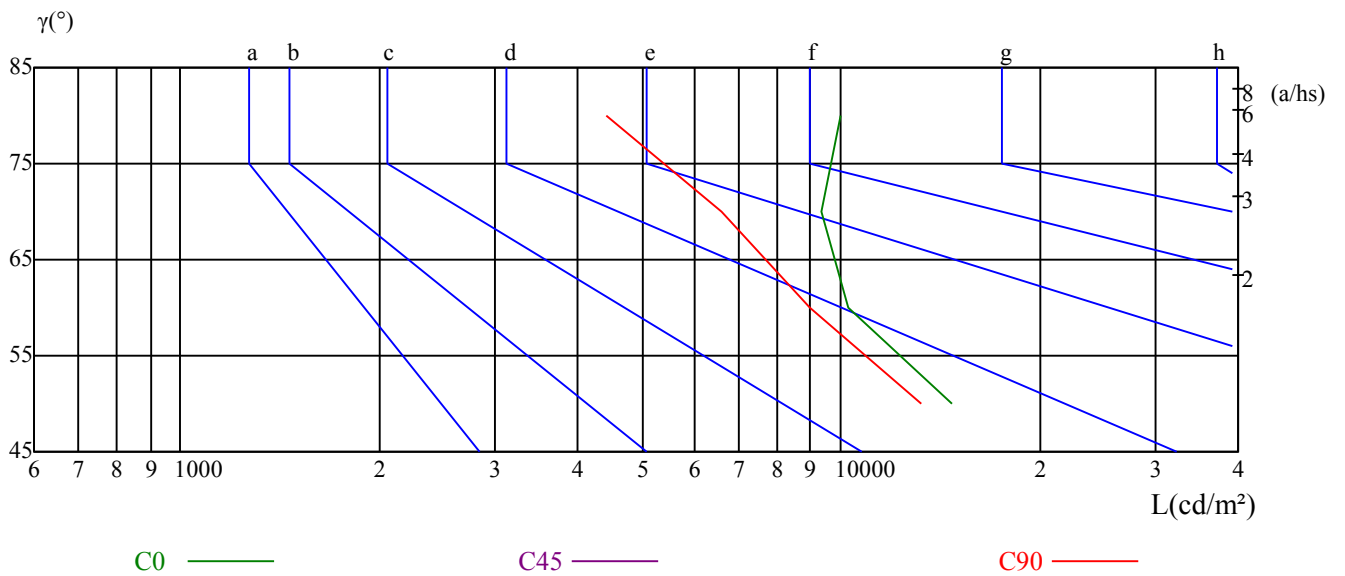
γ	45	50	55	60	65	70	75	80	85
C0	0	14698	0	10280	0	9344	0	9978	0
C45	0	0	0	0	0	0	0	0	0
C90	0	13272	0	8961	0	6601	0	4431	0

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

测试日期: 2021/2/28
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	12.40	13.68	12.77	13.99	14.30	12.57	13.85	12.94	14.16	14.47
	3H	13.57	14.70	13.95	15.03	15.40	14.14	15.27	14.52	15.60	15.97
	4H	13.97	15.02	14.37	15.37	15.76	14.80	15.85	15.20	16.20	16.59
	6H	14.25	15.21	14.66	15.58	15.98	15.35	16.32	15.76	16.69	17.08
	8H	14.31	15.22	14.74	15.61	16.02	15.56	16.48	15.99	16.87	17.27
	12H	14.35	15.22	14.78	15.61	16.04	15.85	16.73	16.28	17.11	17.54
4H	2H	12.89	13.95	13.30	14.30	14.68	13.03	14.09	13.44	14.44	14.82
	3H	14.26	15.13	14.67	15.53	15.93	14.86	15.73	15.28	16.13	16.54
	4H	14.75	15.53	15.19	15.95	16.39	15.64	16.42	16.08	16.84	17.28
	6H	15.06	15.73	15.53	16.18	16.65	16.20	16.87	16.66	17.32	17.78
	8H	15.15	15.78	15.62	16.22	16.70	16.46	17.09	16.93	17.53	18.01
	12H	15.20	15.75	15.68	16.23	16.71	16.77	17.32	17.25	17.80	18.28
8H	4H	15.01	15.64	15.48	16.09	16.56	15.81	16.43	16.28	16.88	17.35
	6H	15.43	15.94	15.94	16.44	16.92	16.48	16.98	16.98	17.48	17.96
	8H	15.57	16.02	16.09	16.54	17.03	16.80	17.26	17.33	17.77	18.27
	12H	16.17	16.57	16.69	17.07	17.64	17.59	17.99	18.10	18.48	19.05
12H	4H	15.03	15.58	15.52	16.06	16.54	15.80	16.35	16.28	16.83	17.30
	6H	16.04	15.94	16.01	16.40	16.95	17.05	16.94	17.01	17.41	17.95
	8H	15.65	16.05	16.16	16.54	17.12	16.85	17.25	17.36	17.74	18.31
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-1.1					0.6/-0.9					
S = 1.5H	1.4/-1.6					1.2/-1.2					
S = 2.0H	3.3/-1.9					2.5/-1.3					
标准表格	BK3					BK3					
更正系数	3.5					4.5					

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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	4270.45	4268.15	4229.78	4163.78	4060.19	3944.31	3799.28	3637.36	3455.49
30.0	4420.09	4395.53	4342.58	4265.08	4159.18	4027.96	3872.18	3697.22	3494.63
60.0	4377.11	4346.42	4288.86	4203.69	4101.62	3968.87	3807.72	3631.99	3427.10
90.0	4344.88	4315.72	4255.87	4168.39	4058.65	3918.99	3756.31	3572.14	3381.83
120.0	4312.65	4277.35	4210.59	4110.83	3991.89	3843.79	3669.59	3490.03	3286.67
150.0	4292.70	4261.24	4199.85	4107.76	3984.98	3837.65	3668.06	3487.72	3285.14
180.0	4270.45	4239.75	4176.83	4085.51	3959.66	3824.60	3658.85	3484.65	3284.37
210.0	4420.09	4412.41	4371.74	4305.75	4209.06	4086.28	3935.87	3762.44	3575.20
240.0	4377.11	4376.35	4344.12	4285.03	4196.01	4081.67	3939.71	3777.02	3585.95
270.0	4344.88	4339.51	4301.91	4232.85	4139.23	4014.91	3868.34	3696.45	3506.14
300.0	4312.65	4313.42	4276.59	4209.82	4109.30	3984.22	3839.95	3660.38	3470.84
330.0	4292.70	4285.79	4242.05	4163.01	4064.02	3934.34	3774.72	3600.53	3415.59
360.0	4270.45	4268.15	4229.78	4163.78	4060.19	3944.31	3799.28	3637.36	3455.49
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3253.67	3046.48	2833.92	2617.52	2403.42	2212.35	2012.06	1814.84	1622.23
30.0	3288.21	3055.69	2823.18	2601.40	2362.75	2153.26	1938.39	1735.80	1533.98
60.0	3200.73	2967.44	2744.14	2513.16	2291.38	2084.96	1868.56	1661.37	1482.72
90.0	3168.50	2946.72	2738.00	2520.06	2315.94	2104.91	1896.95	1689.76	1502.52
120.0	3071.04	2856.94	2654.35	2447.93	2248.41	2061.17	1860.89	1662.90	1479.88
150.0	3087.15	2873.82	2665.86	2471.72	2270.67	2073.45	1878.54	1691.30	1499.45
180.0	3070.27	2864.61	2649.75	2436.42	2234.60	2042.75	1840.17	1652.16	1467.84
210.0	3357.27	3143.17	2913.73	2677.37	2465.58	2246.11	2025.11	1817.15	1620.70
240.0	3374.92	3155.45	2926.00	2692.72	2464.04	2260.69	2048.13	1834.80	1643.72
270.0	3305.09	3088.69	2868.45	2642.84	2441.79	2234.60	2035.08	1832.49	1633.74
300.0	3262.88	3052.62	2840.83	2639.01	2428.75	2234.60	2041.22	1843.24	1661.37
330.0	3205.33	2995.07	2796.32	2583.75	2393.45	2190.86	1999.78	1811.01	1629.91
360.0	3253.67	3046.48	2833.92	2617.52	2403.42	2212.35	2012.06	1814.84	1622.23
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1433.46	1255.43	1097.35	960.75	833.37	729.77	631.55	545.60	474.24
30.0	1349.05	1186.36	1035.19	900.13	782.72	684.50	594.72	519.51	452.75
60.0	1301.70	1138.86	999.97	870.36	757.86	658.41	574.30	498.18	434.18
90.0	1319.89	1151.83	1009.10	876.34	765.07	657.64	571.70	492.66	423.59
120.0	1307.92	1142.85	1001.96	869.97	755.64	655.11	570.85	494.65	430.27
150.0	1328.33	1159.51	1009.10	875.58	760.47	664.55	574.76	502.63	437.40
180.0	1287.50	1124.44	985.54	855.39	747.96	648.20	560.88	486.44	424.36
210.0	1430.70	1264.02	1104.79	958.45	835.83	732.08	633.32	551.28	483.75
240.0	1449.57	1276.91	1113.46	976.10	848.72	744.35	646.13	558.65	488.82
270.0	1445.81	1279.83	1118.83	970.58	850.64	738.75	641.14	551.21	478.69
300.0	1473.36	1302.24	1141.09	992.98	862.53	755.87	655.34	567.09	495.72
330.0	1444.66	1272.46	1119.76	971.04	845.80	734.53	639.07	555.50	486.44
360.0	1433.46	1255.43	1097.35	960.75	833.37	729.77	631.55	545.60	474.24
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	416.69	367.73	328.36	296.82	269.27	246.86	223.69	204.20	184.55
30.0	399.80	356.91	322.99	294.21	268.66	246.48	224.23	201.28	179.41
60.0	383.92	339.87	305.11	272.88	247.10	220.47	193.38	165.06	142.12
90.0	389.06	326.21	290.61	258.76	229.22	199.98	176.11	153.01	130.38
120.0	379.77	335.80	301.04	268.97	242.87	215.79	187.24	161.46	138.90
150.0	387.52	344.71	312.17	284.24	259.30	237.73	215.86	194.38	172.51
180.0	375.63	334.04	301.89	273.80	249.40	227.45	207.34	187.16	167.90
210.0	422.90	377.63	336.88	306.49	280.40	257.38	234.05	211.34	189.62
240.0	425.89	388.29	333.04	298.43	268.12	242.72	215.10	186.17	159.23
270.0	411.39	360.74	317.23	280.48	249.24	221.16	192.07	167.36	145.49
300.0	430.50	389.83	335.11	299.66	268.81	243.03	215.71	187.01	160.92
330.0	423.51	374.63	334.73	303.50	277.18	253.16	231.36	209.19	187.16
360.0	416.69	367.73	328.36	296.82	269.27	246.86	223.69	204.20	184.55

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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	166.29	148.64	131.99	116.64	100.07	82.03	64.38	45.74	26.24
30.0	158.85	136.75	114.34	88.94	66.15	46.96	34.69	8.82	3.15
60.0	120.55	99.22	82.26	69.22	54.71	24.56	15.19	6.06	3.45
90.0	111.12	95.00	82.65	70.06	44.43	20.64	15.50	5.91	3.68
120.0	117.41	96.15	80.50	68.07	52.26	21.79	14.43	5.29	3.15
150.0	151.48	129.23	106.44	82.11	60.01	42.51	30.85	7.90	2.84
180.0	150.41	133.06	116.87	100.76	83.34	65.46	47.81	29.08	4.60
210.0	167.21	145.11	121.63	96.61	73.05	52.80	37.75	18.57	5.76
240.0	135.37	113.57	93.54	77.66	65.76	49.27	19.49	12.89	5.06
270.0	121.86	103.83	88.09	77.12	61.62	33.84	18.72	11.59	5.68
300.0	137.28	114.42	94.16	78.12	66.07	51.03	20.80	13.35	5.14
330.0	166.60	145.42	123.55	98.68	76.66	54.71	38.45	25.25	6.98
360.0	166.29	148.64	131.99	116.64	100.07	82.03	64.38	45.74	26.24
C/γ(°)	90.0								
0.0	1.76								
30.0	0.54								
60.0	0.38								
90.0	0.38								
120.0	0.38								
150.0	0.46								
180.0	0.46								
210.0	2.00								
240.0	2.46								
270.0	2.69								
300.0	2.76								
330.0	2.46								
360.0	1.76								