

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3493A1-48-24DC-PC-A3(60-CL-48RGBWN-AA,L1000mm, C,CT)

报告编号:

电压(V): 22.1000

测试编号: 20210309003

电流(A): 3.8110

光源规格型号: CL

功率(W): 84.3000

每个光源光通量(lm)

功率因数: 1.0220

光源数量: 48

镇流器型号:

发光面长度(mm): 990

发光面宽度(mm): 70

测试模式: C

发光面高度(mm): 0

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## 光度结果

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灯具光通量(lm): 4069.54

灯具效能(lm/w): 48.27

中心光强(cd): 3750.934

最大光强(cd): 3915.920

最大光强角度: C=210.0  $\gamma$ =4.0

半峰边角(50%Imax): [C0/180]Total=58.8

[C90/270]Total=55.2

光束扩散角(10%Imax): [C0/180]Total=104.0

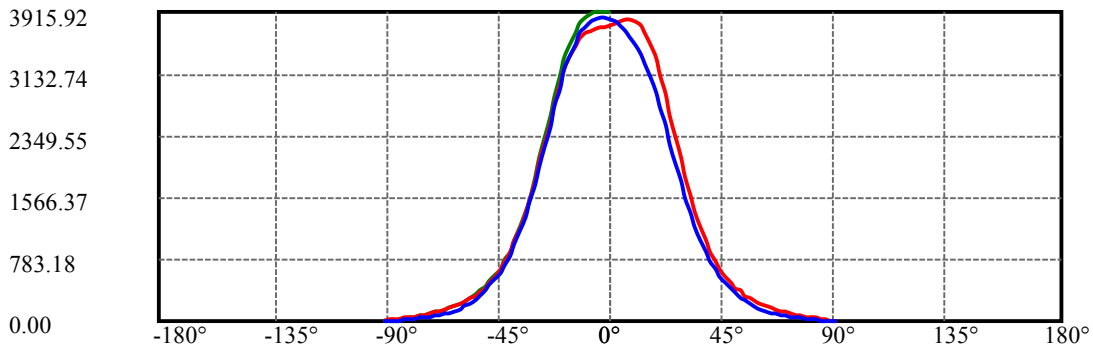
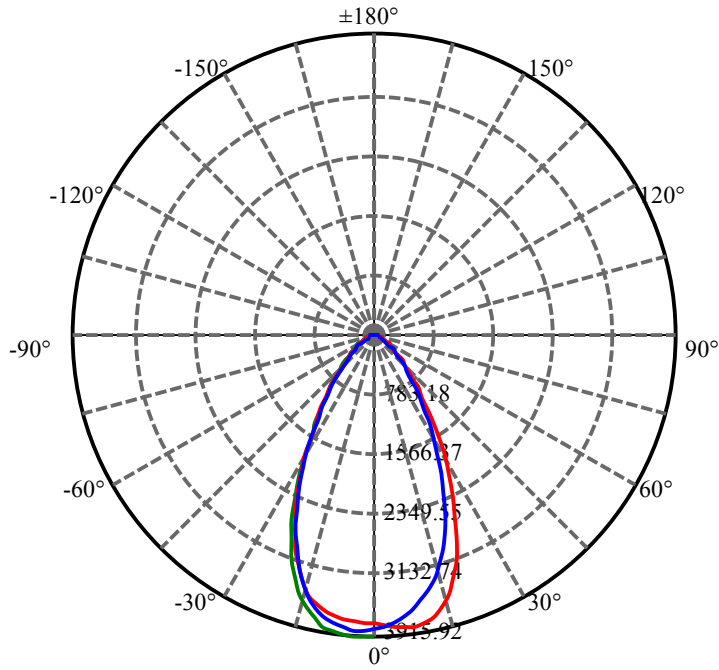
[C90/270]Total=99.1

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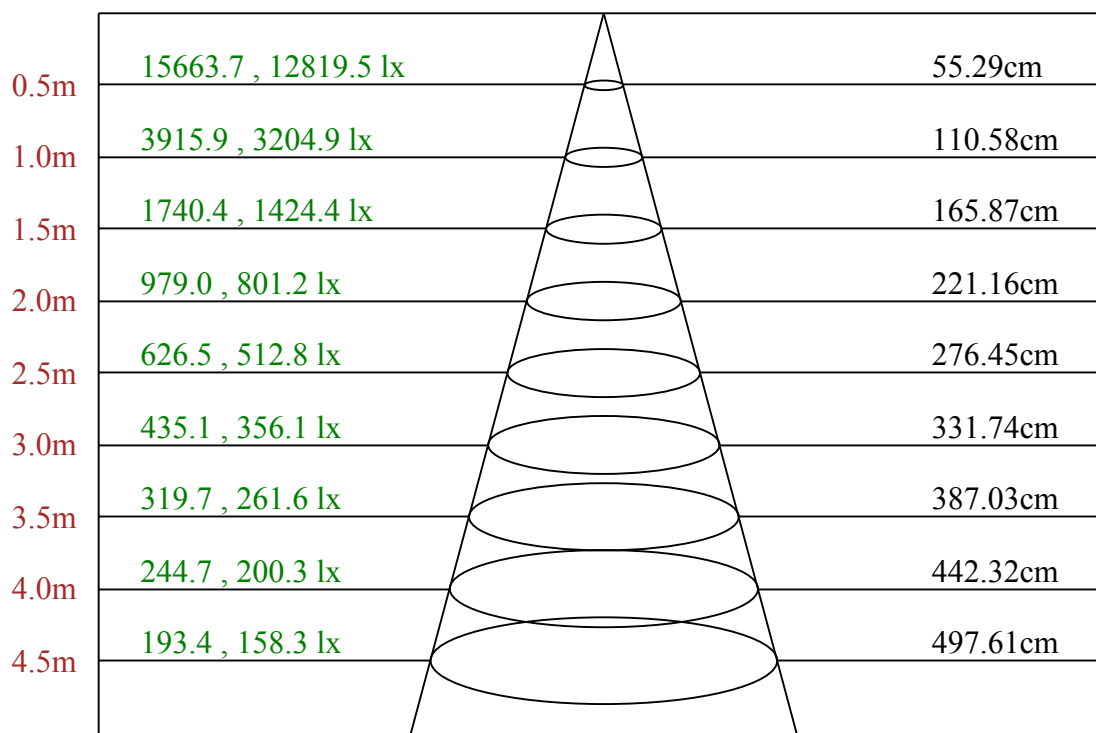
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/9  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

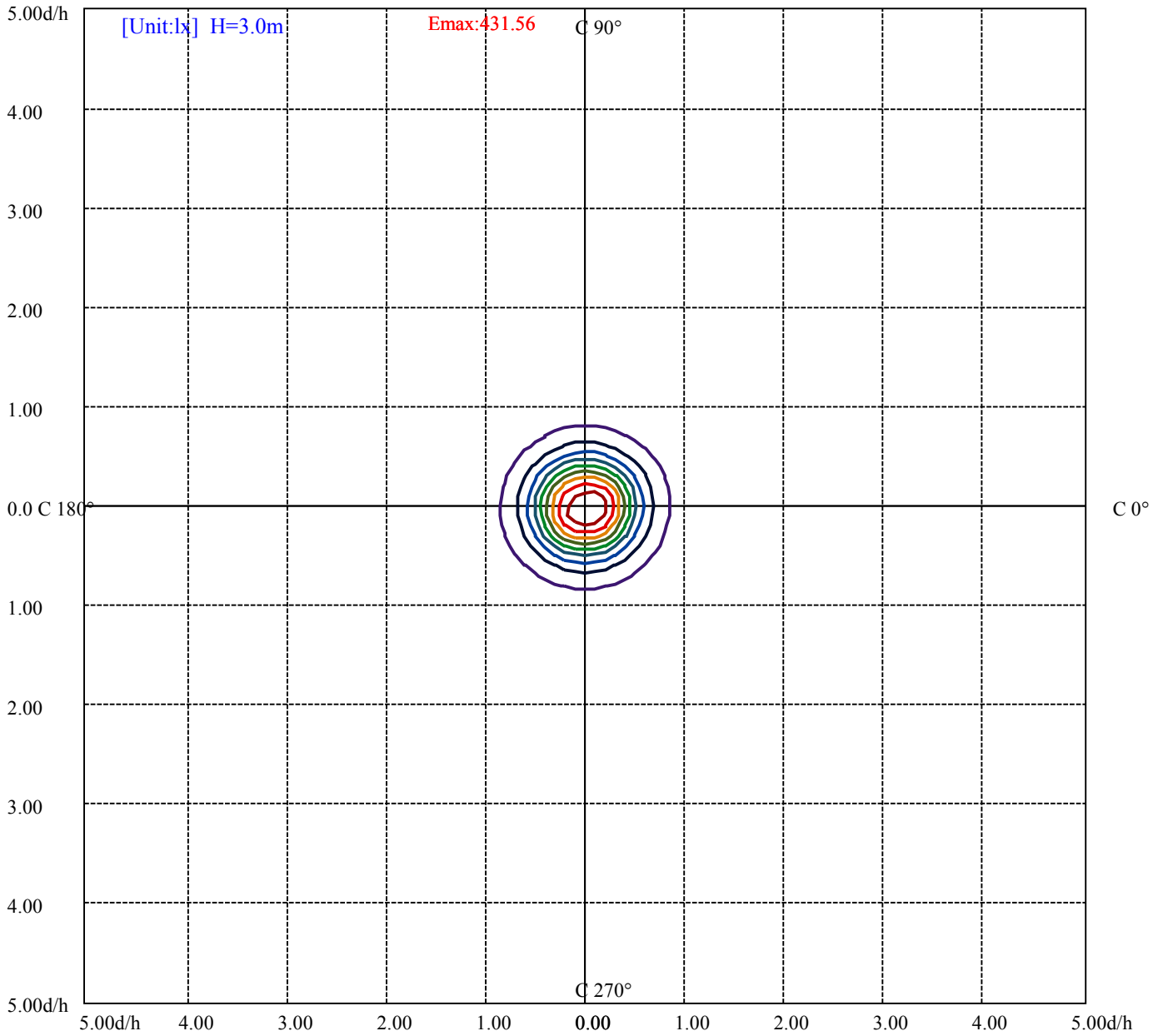


C210(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C210面光束角57.88

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 43.15633
- (20%Emax) 86.31255
- (30%Emax) 129.4689
- (40%Emax) 172.6255
- (50%Emax) 215.7811
- (60%Emax) 258.9378
- (70%Emax) 302.0945
- (80%Emax) 345.25
- (90%Emax) 388.4066

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# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

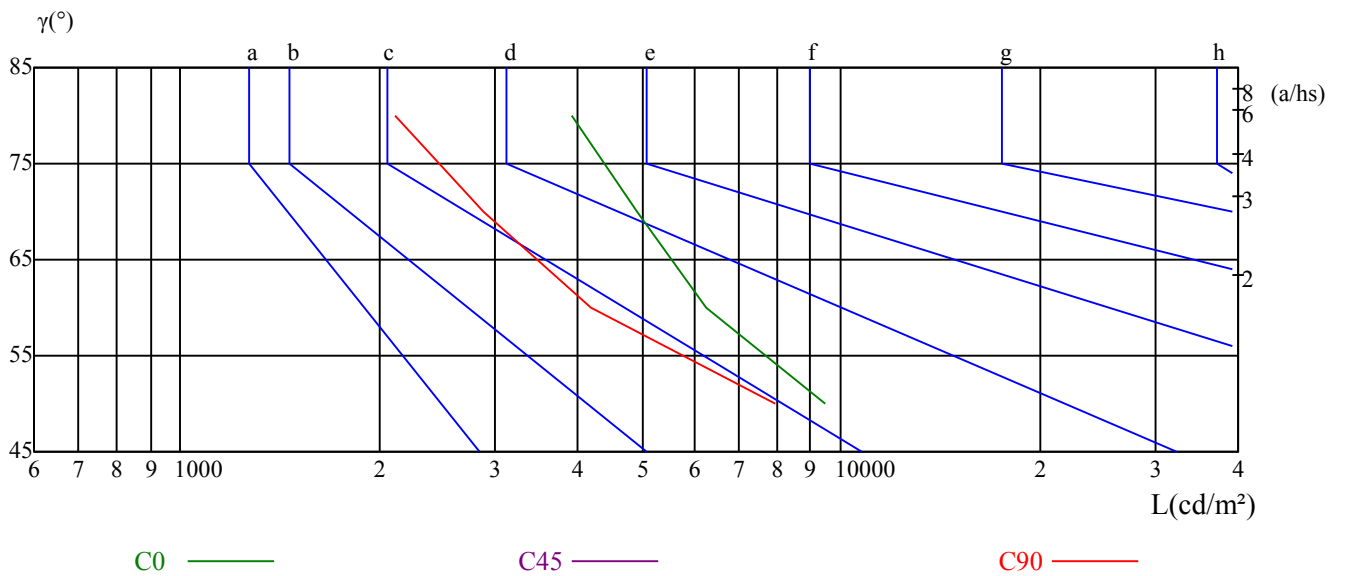
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	9475	0	6265	0	4915	0	3922	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7938	0	4197	0	2875	0	2117	0

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



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	9.77	10.98	10.14	11.29	11.61	11.20	12.40	11.56	12.71	13.03
	3H	10.56	11.63	10.95	11.96	12.33	12.36	13.42	12.74	13.76	14.12
	4H	10.85	11.84	11.25	12.19	12.57	12.78	13.77	13.18	14.12	14.51
	6H	11.02	11.93	11.43	12.30	12.69	13.10	14.01	13.52	14.38	14.78
	8H	11.05	11.91	11.48	12.30	12.70	13.22	14.08	13.65	14.47	14.87
	12H	11.08	11.90	11.51	12.28	12.71	13.40	14.22	13.84	14.60	15.04
4H	2H	10.18	11.17	10.59	11.52	11.91	11.39	12.38	11.80	12.73	13.12
	3H	11.19	12.00	11.61	12.41	12.81	12.79	13.60	13.20	14.00	14.41
	4H	11.56	12.29	12.00	12.71	13.15	13.33	14.06	13.77	14.48	14.92
	6H	11.77	12.39	12.23	12.84	13.31	13.70	14.32	14.16	14.77	15.24
	8H	11.82	12.40	12.29	12.85	13.32	13.87	14.45	14.34	14.89	15.37
	12H	11.86	12.36	12.34	12.85	13.33	14.08	14.59	14.56	15.07	15.55
8H	4H	11.79	12.37	12.26	12.82	13.29	13.41	13.99	13.88	14.44	14.91
	6H	12.09	12.56	12.59	13.06	13.54	13.88	14.35	14.39	14.85	15.34
	8H	12.18	12.60	12.71	13.12	13.61	14.12	14.54	14.64	15.05	15.55
	12H	12.73	13.10	13.25	13.60	14.17	14.86	15.22	15.37	15.72	16.30
12H	4H	11.81	12.31	12.29	12.80	13.27	13.38	13.89	13.87	14.37	14.85
	6H	12.61	12.55	12.66	13.02	13.57	14.35	14.29	14.40	14.76	15.31
	8H	12.26	12.63	12.78	13.12	13.70	14.14	14.51	14.66	15.00	15.58
对应照射距离，改变观察者位置S											
S = 1.0H	1.1/-1.6					0.9/-1.2					
S = 1.5H	2.3/-2.6					2.0/-1.9					
S = 2.0H	4.3/-3.0					3.8/-2.0					
标准表格	BK2					BK2					
更正系数	0.1					1.6					

# ROLED 投光灯

## 光强数据表(cd)

附页 第7页 共8页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	3750.93	3771.65	3796.98	3813.86	3816.16	3795.44	3740.19	3650.41	3506.14
30.0	3912.08	3909.01	3905.18	3893.67	3867.58	3822.30	3747.86	3639.66	3501.54
60.0	3856.06	3834.58	3803.12	3758.61	3694.92	3613.57	3500.77	3371.08	3203.79
90.0	3815.39	3783.16	3739.42	3675.73	3596.69	3497.70	3385.66	3248.30	3091.76
120.0	3779.33	3742.49	3696.45	3642.73	3570.60	3480.05	3371.85	3246.00	3084.85
150.0	3766.28	3735.59	3704.89	3672.66	3630.46	3569.83	3487.72	3384.13	3243.70
180.0	3750.93	3733.28	3720.24	3705.66	3683.40	3642.73	3579.81	3487.72	3354.20
210.0	3912.08	3915.15	3915.92	3907.48	3882.16	3838.41	3760.91	3655.01	3505.37
240.0	3856.06	3866.81	3866.81	3850.69	3816.16	3761.68	3680.34	3573.67	3424.80
270.0	3815.39	3836.11	3839.95	3823.83	3789.30	3721.77	3636.59	3513.81	3356.50
300.0	3779.33	3807.72	3829.21	3832.28	3816.16	3774.72	3703.36	3601.30	3453.96
330.0	3766.28	3796.21	3827.67	3846.09	3847.62	3820.77	3760.14	3654.24	3515.35
360.0	3750.93	3771.65	3796.98	3813.86	3816.16	3795.44	3740.19	3650.41	3506.14
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3325.04	3114.78	2860.78	2599.87	2332.06	2073.45	1824.05	1588.47	1378.21
30.0	3318.13	3114.01	2856.17	2605.24	2336.66	2081.89	1824.82	1587.70	1385.11
60.0	3008.11	2794.78	2551.53	2313.64	2061.94	1817.91	1523.01	1399.39	1209.08
90.0	2900.68	2690.42	2472.49	2233.83	1999.78	1771.10	1563.14	1362.86	1180.99
120.0	2910.66	2700.40	2470.18	2231.53	1989.04	1763.43	1529.76	1354.34	1167.33
150.0	3080.25	2881.50	2657.42	2415.70	2167.84	1931.49	1691.30	1480.27	1277.68
180.0	3183.84	2980.49	2760.25	2516.23	2262.99	2021.27	1779.54	1527.92	1352.27
210.0	3329.64	3104.80	2857.71	2609.85	2333.59	2066.54	1813.31	1527.54	1379.44
240.0	3243.70	3027.30	2777.13	2535.41	2269.90	2015.13	1771.87	1542.43	1330.63
270.0	3175.40	2949.79	2716.51	2451.00	2203.90	1954.51	1730.43	1512.19	1311.60
300.0	3270.56	3050.32	2796.32	2548.46	2280.64	2021.27	1771.87	1537.82	1320.65
330.0	3330.41	3115.55	2865.38	2599.87	2317.48	2058.10	1801.03	1530.07	1359.48
360.0	3325.04	3114.78	2860.78	2599.87	2332.06	2073.45	1824.05	1588.47	1378.21
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1190.97	1030.59	875.58	759.70	653.80	564.79	488.05	422.06	388.29
30.0	1194.80	1028.28	885.55	769.68	665.31	574.76	501.10	435.10	388.29
60.0	1044.71	907.35	781.27	673.45	579.14	500.94	430.50	372.71	319.77
90.0	1026.75	882.48	756.63	647.67	558.65	478.08	412.85	353.61	301.35
120.0	1013.01	871.13	748.27	643.98	553.12	478.31	411.54	356.98	307.03
150.0	1098.88	943.87	818.79	705.99	610.06	531.79	461.19	402.87	350.38
180.0	1176.08	1011.71	875.12	753.03	648.20	558.42	486.06	420.83	365.27
210.0	1200.79	1029.90	887.55	766.30	664.01	575.07	498.79	433.80	377.24
240.0	1158.74	999.12	854.86	742.05	637.69	544.84	468.87	404.41	347.16
270.0	1141.16	975.80	835.60	714.66	612.90	524.35	451.60	382.77	323.53
300.0	1146.46	984.54	841.81	729.01	624.64	536.40	457.36	395.20	338.87
330.0	1170.63	1009.41	866.90	747.04	641.37	558.88	484.60	418.22	366.04
360.0	1190.97	1030.59	875.58	759.70	653.80	564.79	488.05	422.06	388.29
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	321.76	280.55	245.02	217.09	190.54	168.52	149.56	132.53	116.49
30.0	329.43	288.76	251.78	220.85	191.84	166.37	145.03	126.16	110.43
60.0	275.10	236.89	204.12	173.66	147.41	127.08	110.58	97.69	85.03
90.0	256.07	213.64	177.11	145.42	122.17	103.75	90.24	78.35	68.14
120.0	264.67	228.14	197.14	168.52	144.04	124.55	108.51	95.38	83.87
150.0	307.72	268.81	236.74	206.65	180.03	157.62	136.90	119.56	105.05
180.0	320.38	279.79	246.10	214.33	189.85	167.36	149.33	132.99	117.41
210.0	331.05	285.39	250.55	217.78	189.39	164.14	142.42	124.78	109.81
240.0	300.50	256.84	217.78	184.55	156.47	132.76	115.26	101.52	89.09
270.0	273.88	226.30	185.55	152.63	127.08	107.66	93.16	80.19	69.45
300.0	293.67	251.39	213.25	182.25	153.17	129.99	113.03	99.61	87.25
330.0	318.69	276.49	241.57	212.03	182.87	158.23	138.20	120.17	106.20
360.0	321.76	280.55	245.02	217.09	190.54	168.52	149.56	132.53	116.49

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/9  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

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## 光强数据表(cd)

附页 第 8页 共8页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	98.99	81.57	67.07	56.79	47.19	38.68	30.00	19.80	9.06
30.0	96.15	82.95	69.37	56.40	44.35	33.69	21.26	9.44	3.22
60.0	70.75	57.32	48.19	39.67	29.47	20.11	11.43	5.45	4.14
90.0	59.70	51.34	43.59	34.38	25.48	17.34	10.44	6.06	4.60
120.0	69.91	56.33	47.65	39.06	29.39	19.64	11.51	5.53	4.45
150.0	92.47	79.81	67.76	54.48	42.67	32.61	21.41	9.82	3.61
180.0	101.22	83.64	69.52	57.94	48.96	40.13	31.77	22.79	12.74
210.0	96.08	82.03	69.14	55.63	43.82	32.61	20.26	8.82	2.92
240.0	75.89	59.63	49.88	41.75	31.77	22.02	13.58	6.83	4.68
270.0	60.32	51.72	44.20	34.92	25.71	17.96	10.82	5.99	4.91
300.0	73.13	58.93	48.88	40.90	30.70	21.03	12.74	6.22	4.45
330.0	92.62	78.96	65.53	53.03	40.98	30.93	18.42	7.67	2.76
360.0	98.99	81.57	67.07	56.79	47.19	38.68	30.00	19.80	9.06
C/γ(°)	90.0								
0.0	0.38								
30.0	1.15								
60.0	0.54								
90.0	0.69								
120.0	0.92								
150.0	1.61								
180.0	2.00								
210.0	1.23								
240.0	1.30								
270.0	1.30								
300.0	1.15								
330.0	0.69								
360.0	0.38								