

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3072A-48-UN(20-OL-48WN-AA, L450mm, C, CT)

报告编号:

电压(V): 220.4000

测试编号: 20210329011

电流(A): 0.2650

光源规格型号: OL

功率(W): 53.5000

每个光源光通量(lm)

功率因数: 0.9150

光源数量: 48

镇流器型号:

发光面长度(mm): 390

发光面宽度(mm): 103

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): 5145.85

灯具效能(lm/w): 96.18

中心光强(cd): 22568.530

最大光强(cd): 22760.370

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=20.9

[C90/270]Total=20.8

光束扩散角(10%Imax): [C0/180]Total=43.2

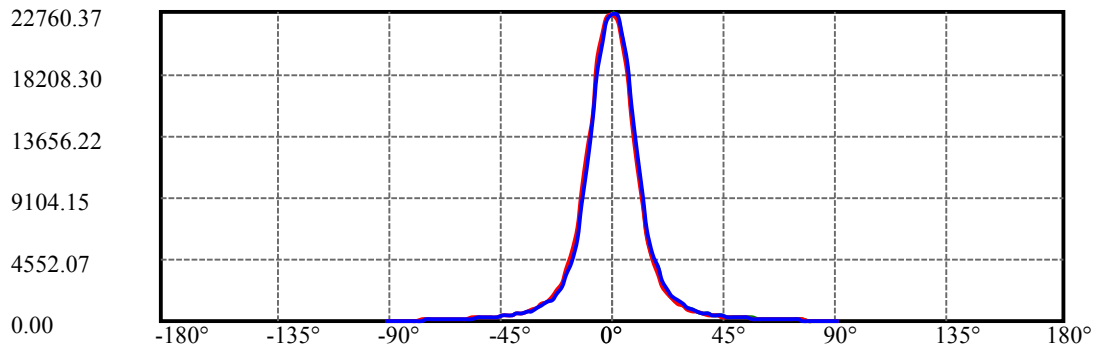
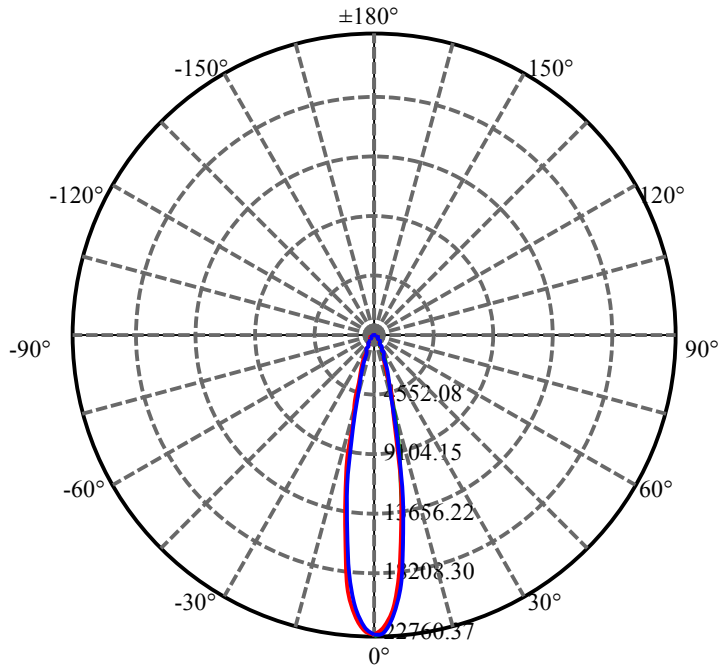
[C90/270]Total=43.4

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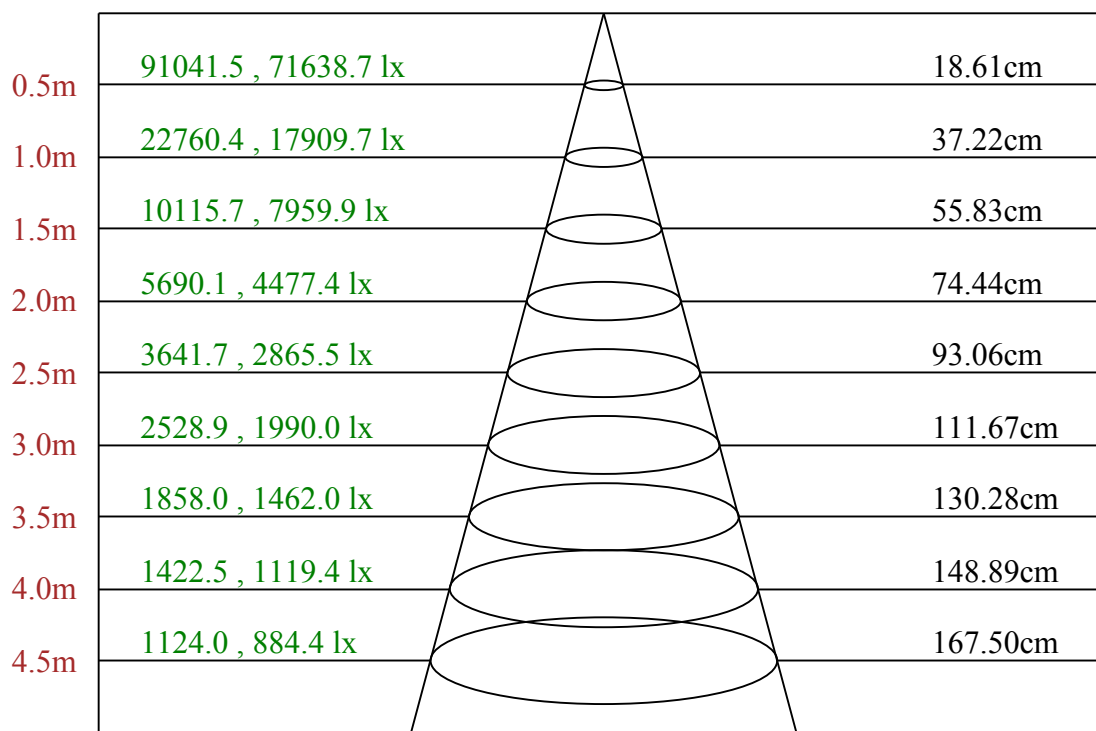
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/29  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

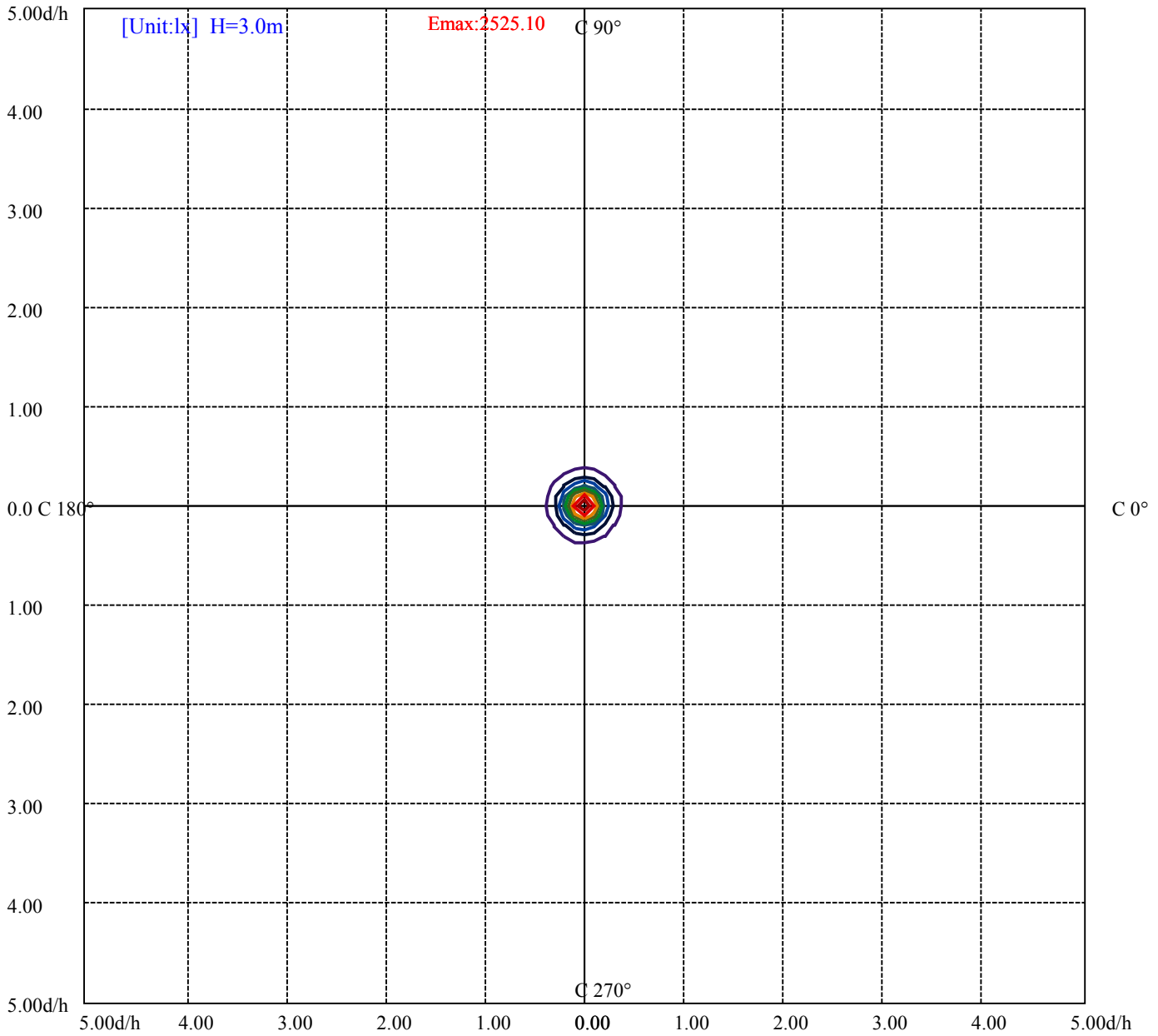


C30(Max): ———  
C0/C180: ———  
C90/C270: ———



Max , Ave    C30面光束角21.09

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 252.5089
- (20%Emax) 505.0178
- (30%Emax) 757.5267
- (40%Emax) 1010.036
- (50%Emax) 1262.544
- (60%Emax) 1515.056
- (70%Emax) 1767.567
- (80%Emax) 2020.067
- (90%Emax) 2272.578

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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

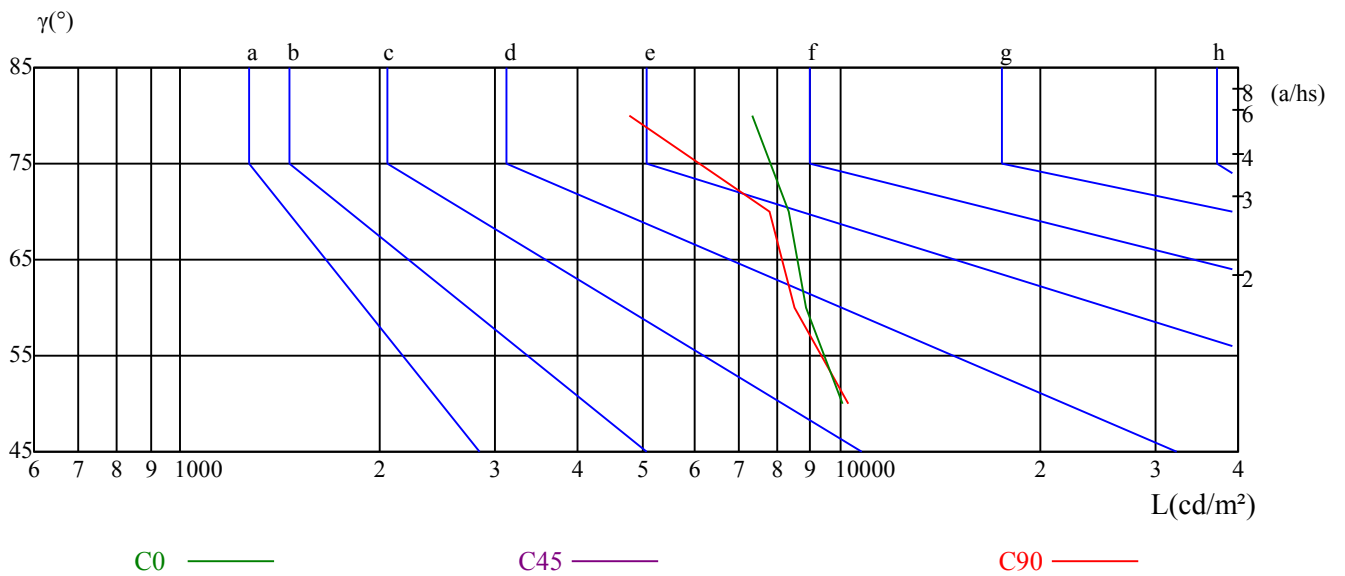
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	10048	0	8845	0	8322	0	7338	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10283	0	8539	0	7797	0	4785	0

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	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		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	9.63	10.71	10.00	11.02	11.34	10.09	11.17	10.45	11.48	11.79
	3H	11.28	12.24	11.67	12.57	12.94	11.82	12.78	12.20	13.11	13.48
	4H	11.85	12.74	12.26	13.10	13.48	12.49	13.38	12.90	13.73	14.12
	6H	12.16	12.97	12.58	13.35	13.74	12.99	13.80	13.41	14.18	14.57
	8H	12.21	12.98	12.64	13.37	13.78	13.14	13.91	13.57	14.30	14.71
	12H	12.24	12.97	12.67	13.35	13.79	13.30	14.03	13.73	14.41	14.85
4H	2H	10.22	11.10	10.62	11.46	11.85	10.57	11.46	10.98	11.82	12.20
	3H	12.04	12.77	12.45	13.17	13.58	12.54	13.27	12.95	13.67	14.08
	4H	12.71	13.36	13.15	13.79	14.23	13.31	13.97	13.75	14.39	14.84
	6H	13.04	13.60	13.51	14.05	14.52	13.82	14.38	14.29	14.83	15.30
	8H	13.11	13.63	13.59	14.08	14.56	14.01	14.53	14.49	14.98	15.46
	12H	13.14	13.59	13.63	14.08	14.56	14.17	14.63	14.66	15.11	15.59
8H	4H	12.96	13.48	13.43	13.93	14.40	13.49	14.01	13.97	14.46	14.94
	6H	13.39	13.80	13.90	14.30	14.79	14.12	14.54	14.63	15.04	15.52
	8H	13.50	13.87	14.03	14.39	14.89	14.37	14.74	14.90	15.26	15.76
	12H	14.07	14.39	14.59	14.89	15.46	15.05	15.37	15.57	15.86	16.44
12H	4H	12.96	13.41	13.45	13.90	14.38	13.47	13.92	13.96	14.41	14.89
	6H	13.77	13.79	13.95	14.26	14.81	14.48	14.49	14.66	14.96	15.51
	8H	13.56	13.88	14.08	14.38	14.96	14.41	14.73	14.93	15.23	15.80
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.7					0.4/-0.6					
S = 1.5H	1.0/-1.0					0.9/-0.8					
S = 2.0H	2.3/-1.1					1.6/-1.0					
标准表格	BK3					BK3					
更正系数	0.9					1.3					

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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	22568.53	22008.34	20573.35	18087.05	14963.83	11502.97	8533.22	6169.70	4527.52
30.0	22760.37	22353.66	21026.10	18647.24	15408.91	12001.76	8817.15	6361.55	4627.28
60.0	22691.31	22284.60	20849.61	18424.70	15286.90	11842.91	8950.67	6462.07	4707.85
90.0	22637.59	22445.75	21240.97	18977.21	15984.44	12446.84	9239.21	6814.30	4980.27
120.0	22614.57	22345.99	21141.21	18892.80	15204.02	12470.63	9373.50	6808.93	5053.94
150.0	22553.18	22484.12	21448.16	19345.55	16306.74	12769.14	9668.94	7036.84	5218.16
180.0	22568.53	22322.97	21179.58	19038.60	15268.48	12528.18	9527.74	6882.60	5069.29
210.0	22760.37	22392.03	20972.39	18747.00	15175.63	12120.70	8929.19	6433.68	4739.31
240.0	22691.31	22322.97	21049.12	18777.69	15930.73	12492.88	9385.01	6706.87	4895.86
270.0	22637.59	22062.06	20527.31	18079.38	15001.43	11446.18	8510.20	6120.59	4423.92
300.0	22614.57	22077.41	20627.07	18324.94	15263.11	11994.09	8809.48	6369.22	4588.91
330.0	22553.18	21854.87	20297.10	17749.41	14419.00	11044.08	8038.26	5773.74	4199.08
360.0	22568.53	22008.34	20573.35	18087.05	14963.83	11502.97	8533.22	6169.70	4527.52
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3358.80	2594.50	2029.71	1632.98	1328.33	1088.14	909.34	764.31	653.04
30.0	3898.27	2741.07	2180.12	1741.94	1411.20	1169.48	969.20	811.88	688.34
60.0	3544.51	2761.02	2167.84	1732.74	1426.71	1171.40	973.19	815.57	698.39
90.0	3898.27	2937.52	2305.20	1840.17	1506.36	1232.41	1019.08	858.69	725.94
120.0	3799.28	2917.56	2315.94	1847.07	1499.61	1239.62	1026.52	856.93	725.25
150.0	3928.97	3081.01	2385.00	1921.51	1550.87	1266.17	1055.91	878.65	748.19
180.0	3787.00	2893.77	2264.53	1801.80	1477.20	1209.23	1010.25	842.58	716.96
210.0	3579.81	2768.69	2162.47	1746.55	1424.63	1175.01	976.26	818.48	697.39
240.0	3890.60	2803.22	2182.42	1728.90	1415.81	1158.74	957.69	805.74	689.10
270.0	3334.25	2604.47	2032.01	1517.18	1343.83	1099.34	923.23	769.68	658.95
300.0	3628.92	2655.89	2072.68	1662.14	1350.58	1104.25	913.94	775.82	658.41
330.0	3223.75	2497.81	1982.13	1519.63	1302.70	1066.73	896.06	753.87	640.22
360.0	3358.80	2594.50	2029.71	1632.98	1328.33	1088.14	909.34	764.31	653.04
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	555.58	487.28	426.66	389.06	342.25	308.49	282.32	259.45	238.81
30.0	596.25	517.21	452.75	403.64	362.59	327.36	299.81	275.49	254.15
60.0	601.62	526.34	460.96	407.78	364.12	329.97	299.89	272.42	248.25
90.0	622.34	539.47	474.24	418.22	389.06	334.12	297.43	265.51	239.96
120.0	627.25	543.30	477.69	421.14	374.56	336.42	306.18	277.41	250.93
150.0	634.62	551.74	481.91	427.43	389.06	342.63	312.40	285.62	262.67
180.0	609.07	530.26	462.27	406.71	363.28	325.83	295.13	269.50	248.78
210.0	600.47	521.89	457.05	408.17	365.27	331.12	302.42	278.10	256.53
240.0	591.65	519.51	455.82	403.64	363.66	329.89	300.66	275.95	253.08
270.0	570.08	501.33	440.86	393.05	354.45	318.61	287.61	259.45	235.81
300.0	570.93	499.56	438.17	391.36	351.46	319.31	291.53	269.04	245.94
330.0	557.27	486.52	430.19	383.30	344.32	311.94	287.23	264.59	244.72
360.0	555.58	487.28	426.66	389.06	342.25	308.49	282.32	259.45	238.81
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	221.08	206.35	191.08	177.65	164.53	151.17	138.59	126.39	114.34
30.0	236.35	219.62	204.20	189.77	176.73	162.30	147.41	132.68	115.87
60.0	224.84	204.12	186.47	172.12	157.85	143.65	130.45	116.26	103.75
90.0	218.70	201.13	186.09	171.51	158.31	144.34	132.22	119.33	107.13
120.0	227.99	206.27	187.93	172.35	158.62	144.42	130.84	117.95	104.90
150.0	242.80	225.99	209.72	195.53	181.41	167.29	153.32	138.05	121.71
180.0	229.60	213.48	198.06	184.17	169.67	156.93	144.04	131.53	119.63
210.0	238.27	222.46	207.04	193.46	179.80	165.91	151.86	137.13	120.55
240.0	230.75	210.49	191.61	176.57	162.53	148.26	135.21	122.01	107.89
270.0	215.63	199.29	184.17	170.43	156.93	144.65	132.07	119.02	106.90
300.0	224.69	205.89	187.09	171.20	157.24	144.11	130.68	118.25	104.82
330.0	228.37	212.56	197.68	184.17	171.43	157.85	143.96	129.92	114.19
360.0	221.08	206.35	191.08	177.65	164.53	151.17	138.59	126.39	114.34

测试设备: GMS1800  
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测试日期: 2021/3/29  
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测试人员: anpeilou  
测试距离(m): 8.76

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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	101.91	89.86	76.97	64.08	51.18	38.06	24.79	11.74	1.53
30.0	99.91	85.33	70.91	57.17	45.43	30.08	17.73	6.22	2.07
60.0	91.39	79.19	61.47	47.12	35.15	19.49	8.36	4.99	2.69
90.0	93.54	76.35	62.54	47.73	33.38	20.11	10.13	5.22	3.30
120.0	93.77	80.96	64.00	49.27	37.37	22.18	9.29	5.60	2.76
150.0	104.67	91.01	76.28	62.46	49.96	35.68	20.34	8.36	2.76
180.0	107.13	94.77	81.03	68.83	55.40	42.13	28.55	14.96	3.99
210.0	103.29	88.48	73.67	59.78	46.66	33.00	19.41	7.29	2.46
240.0	95.69	84.95	68.45	53.49	40.06	25.48	12.58	7.29	3.45
270.0	94.23	78.20	62.69	49.19	34.84	21.33	12.58	5.76	3.76
300.0	92.93	81.50	65.76	50.42	37.83	23.40	10.97	6.14	3.15
330.0	98.53	82.80	68.91	55.48	43.82	28.39	16.50	5.37	1.76
360.0	101.91	89.86	76.97	64.08	51.18	38.06	24.79	11.74	1.53

C/γ(°)	90.0
0.0	0.31
30.0	0.31
60.0	0.23
90.0	0.46
120.0	0.61
150.0	0.84
180.0	0.46
210.0	0.61
240.0	0.69
270.0	0.23
300.0	0.31
330.0	0.31
360.0	0.31