

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F2222A-18-36DC-RC-Y (40-XL-18RGBWN-C, CT)

报告编号:

电压(V): 36.4000

测试编号: 20210305004

电流(A): 1.9270

光源规格型号: XL

功率(W): 70.1000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 18

镇流器型号:

发光面长度(mm): 270

发光面宽度(mm): 160

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): 3772.15

灯具效能(lm/w): 53.81

中心光强(cd): 5392.351

最大光强(cd): 5550.431

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=42.1

[C90/270]Total=41.8

光束扩散角(10%Imax): [C0/180]Total=79.1

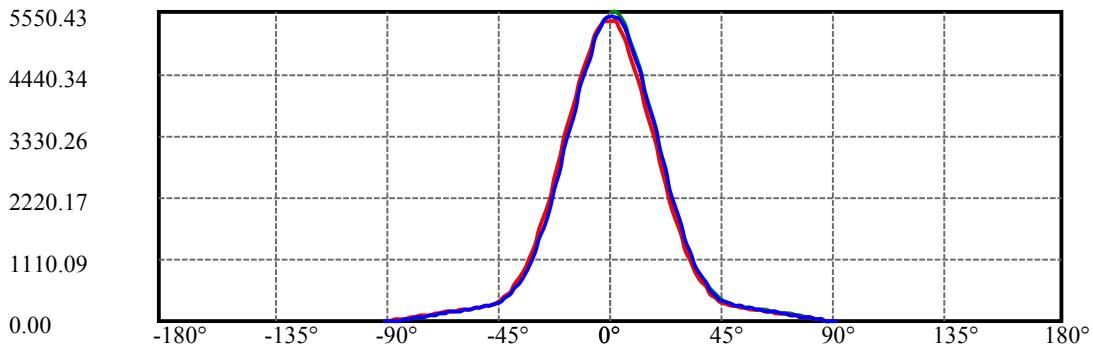
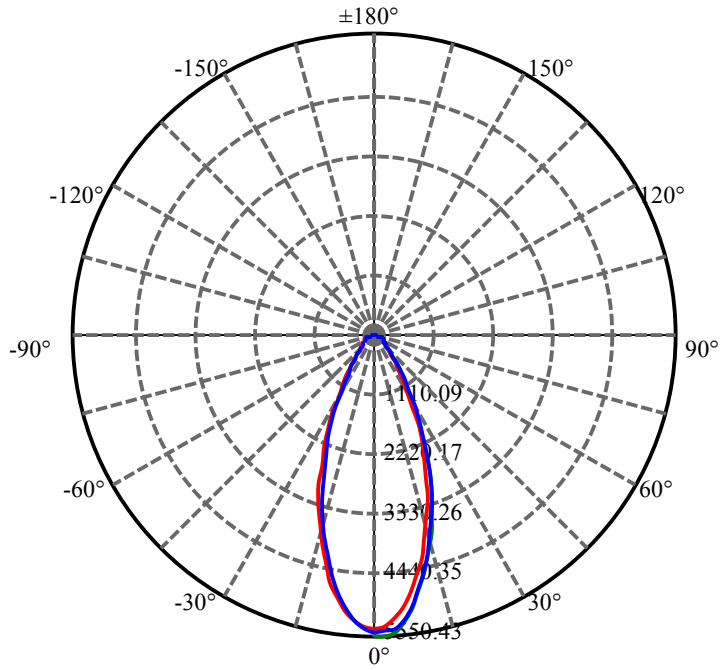
[C90/270]Total=78.8

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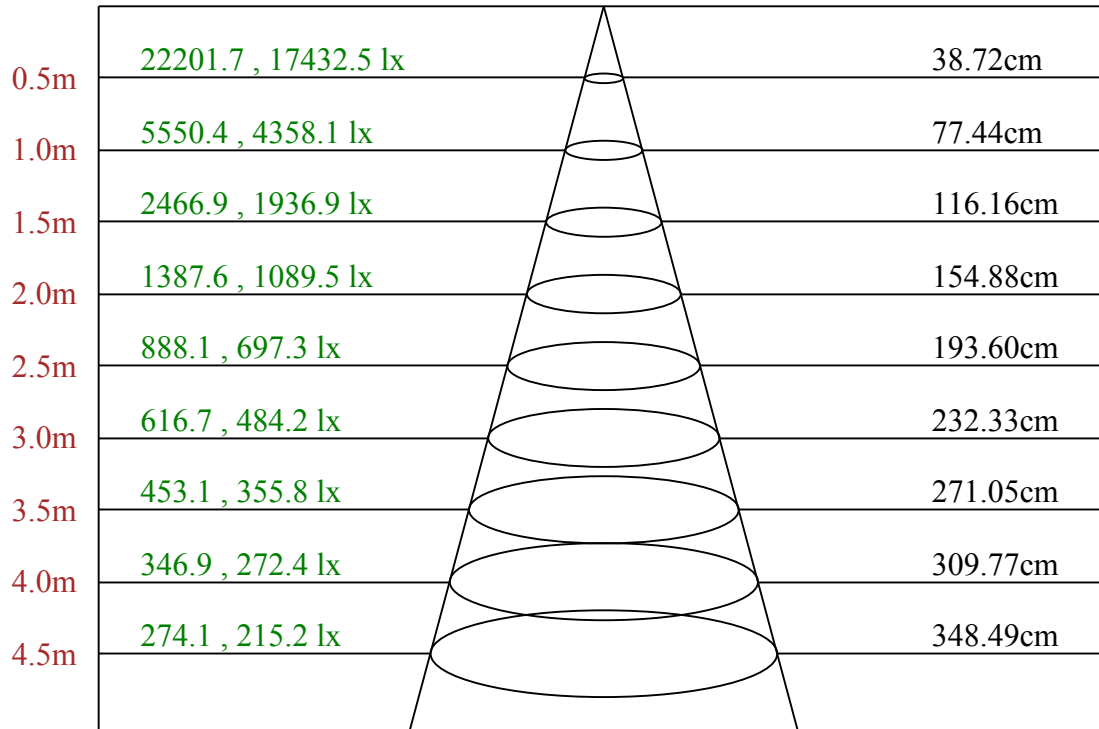
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/5  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

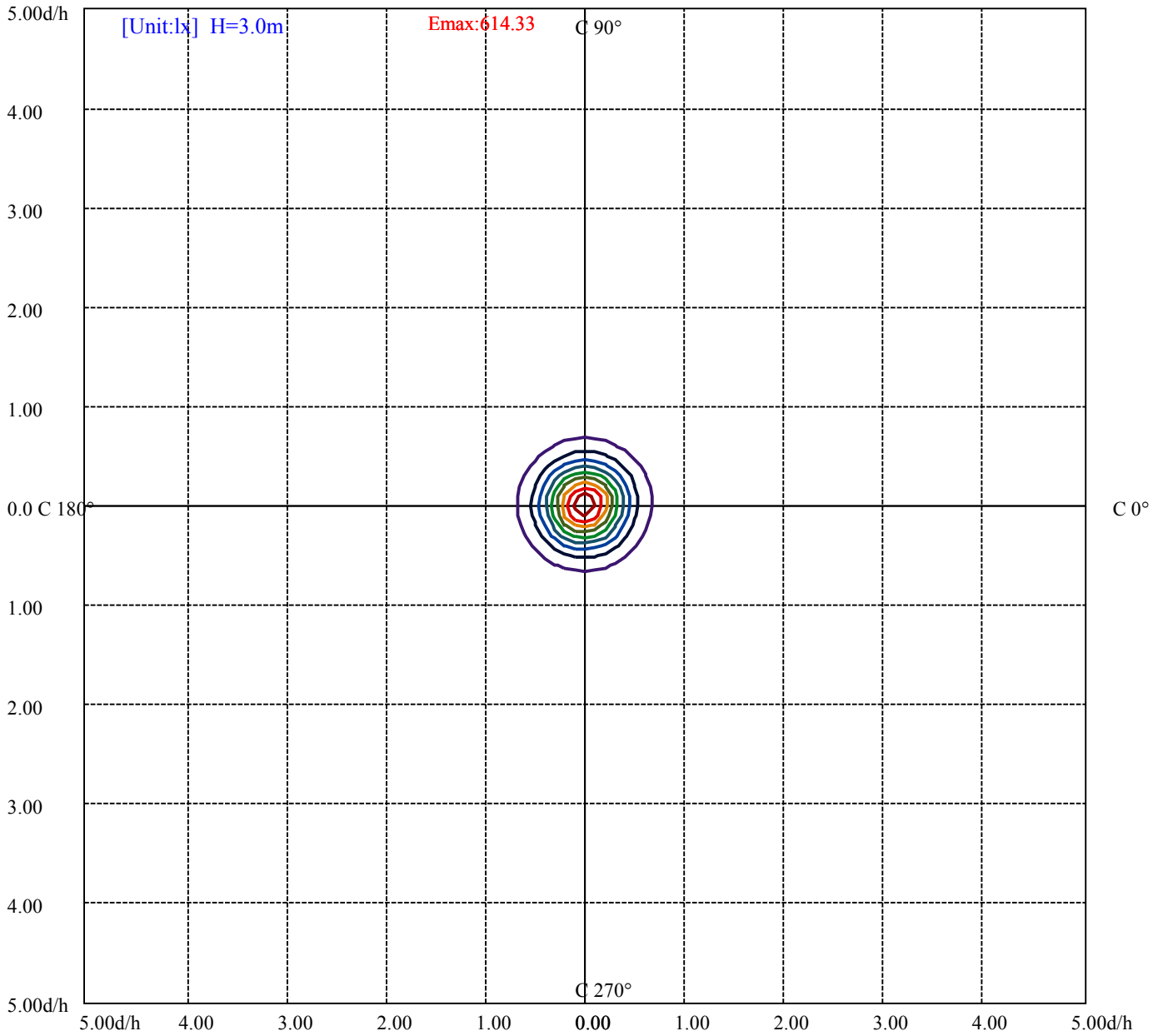


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角42.33

ROLED 投光灯  
平面等照度曲线



(10%Emax) 61.43266	—
(20%Emax) 122.8656	—
(30%Emax) 184.2978	—
(40%Emax) 245.7311	—
(50%Emax) 307.1633	—
(60%Emax) 368.5956	—
(70%Emax) 430.0289	—
(80%Emax) 491.4611	—
(90%Emax) 552.8933	—

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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

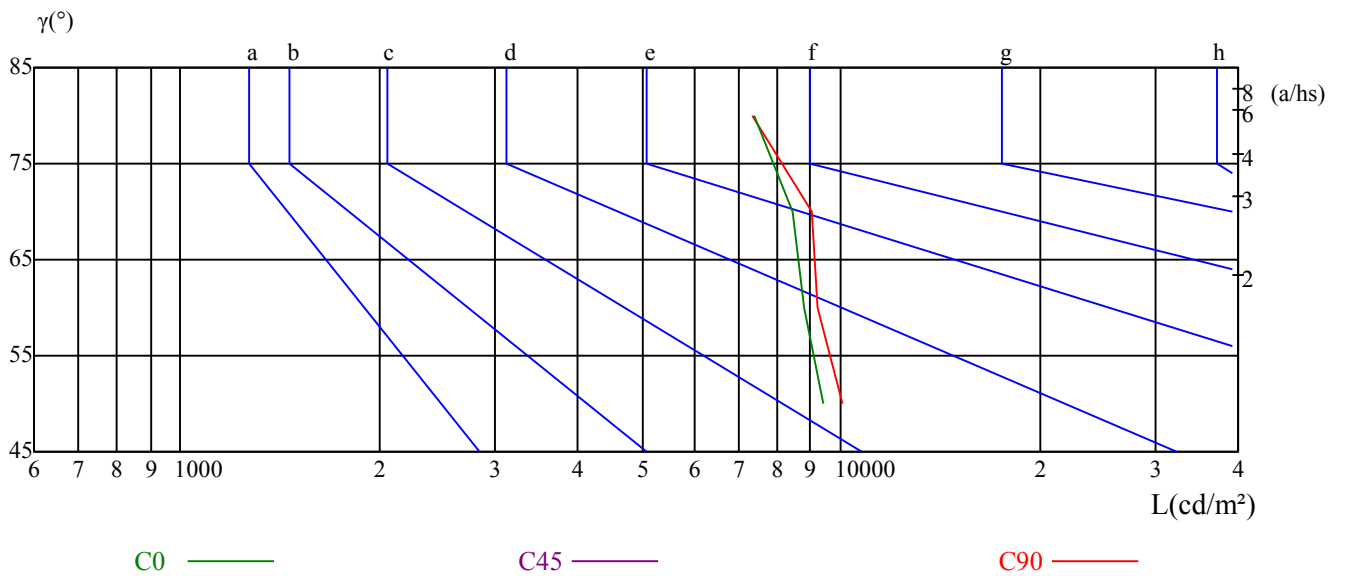
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	9440	0	8793	0	8445	0	7375	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10031	0	9209	0	9068	0	7335	0

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	12.07	13.24	12.43	13.56	13.87	12.09	13.26	12.45	13.57	13.89
	3H	13.98	15.03	14.36	15.36	15.72	14.02	15.06	14.40	15.40	15.76
	4H	14.64	15.62	15.05	15.97	16.36	14.75	15.73	15.15	16.08	16.46
	6H	15.07	15.97	15.49	16.34	16.74	15.29	16.19	15.71	16.56	16.95
	8H	15.17	16.02	15.60	16.41	16.82	15.46	16.30	15.89	16.70	17.10
	12H	15.24	16.05	15.67	16.43	16.86	15.64	16.45	16.08	16.84	17.27
4H	2H	12.69	13.66	13.09	14.02	14.40	12.70	13.68	13.11	14.03	14.42
	3H	14.81	15.62	15.22	16.02	16.43	14.88	15.68	15.29	16.09	16.49
	4H	15.60	16.32	16.03	16.74	17.18	15.74	16.46	16.18	16.88	17.33
	6H	16.04	16.66	16.51	17.11	17.58	16.28	16.91	16.75	17.35	17.82
	8H	16.17	16.75	16.64	17.20	17.67	16.50	17.07	16.97	17.52	18.00
	12H	16.24	16.75	16.73	17.23	17.71	16.68	17.19	17.17	17.68	18.15
8H	4H	15.89	16.47	16.37	16.92	17.40	16.02	16.60	16.49	17.05	17.52
	6H	16.47	16.93	16.97	17.43	17.92	16.72	17.18	17.22	17.68	18.16
	8H	16.65	17.07	17.18	17.59	18.08	17.00	17.41	17.52	17.93	18.43
	12H	17.23	17.59	17.75	18.09	18.66	17.66	18.02	18.17	18.51	19.09
12H	4H	15.91	16.42	16.40	16.90	17.38	16.02	16.53	16.51	17.02	17.49
	6H	16.98	16.93	17.05	17.40	17.95	17.22	17.17	17.28	17.64	18.18
	8H	16.74	17.10	17.26	17.60	18.17	17.08	17.44	17.59	17.93	18.51
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-0.7					0.7/-0.7					
S = 1.5H	1.2/-0.9					1.2/-0.9					
S = 2.0H	2.3/-0.9					2.0/-0.9					
标准表格	BK3					BK4					
更正系数	3.2					3.7					

# 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	5392.35	5360.89	5238.11	5040.13	4777.68	4496.06	4186.04	3855.30	3503.07
30.0	5550.43	5539.69	5476.76	5299.50	5070.05	4780.75	4479.17	4147.67	3796.21
60.0	5507.46	5490.58	5417.67	5244.25	4999.45	4730.11	4422.39	4100.86	3747.86
90.0	5466.79	5459.88	5407.70	5256.53	5020.17	4738.55	4442.34	4113.90	3767.82
120.0	5435.32	5424.58	5350.91	5196.67	4949.58	4674.09	4367.90	4042.54	3715.63
150.0	5409.23	5398.49	5341.70	5196.67	4961.09	4676.39	4381.72	4056.35	3730.98
180.0	5392.35	5370.86	5293.36	5130.68	4885.12	4614.23	4308.82	3987.29	3641.97
210.0	5550.43	5513.60	5393.89	5181.32	4928.09	4628.04	4304.98	3953.52	3610.50
240.0	5507.46	5473.69	5356.28	5165.21	4907.37	4605.79	4285.79	3958.13	3586.72
270.0	5466.79	5415.37	5278.01	5050.87	4770.78	4484.55	4159.95	3808.49	3464.70
300.0	5435.32	5393.12	5252.69	5040.13	4765.40	4473.80	4139.23	3820.00	3462.40
330.0	5409.23	5357.05	5213.55	4984.11	4723.97	4416.25	4096.25	3757.07	3407.92
360.0	5392.35	5360.89	5238.11	5040.13	4777.68	4496.06	4186.04	3855.30	3503.07
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3173.87	2820.11	2455.60	2137.91	1826.35	1535.52	1287.66	1078.16	884.78
30.0	3447.82	3081.78	2711.91	2350.47	2034.31	1725.83	1446.50	1213.99	1004.50
60.0	3392.57	3044.18	2676.61	2329.75	1999.78	1711.25	1447.81	1215.52	1004.03
90.0	3427.87	3066.43	2699.63	2339.73	2022.80	1716.62	1450.34	1206.32	995.29
120.0	3368.78	3006.58	2640.54	2308.27	1978.30	1690.53	1427.55	1184.06	973.65
150.0	3355.74	3013.49	2648.98	2309.80	1980.60	1676.72	1412.74	1171.78	963.82
180.0	3308.16	2951.33	2586.82	2256.09	1928.42	1643.72	1373.99	1151.45	948.63
210.0	3241.40	2857.71	2504.72	2157.09	1824.82	1531.22	1299.24	1070.57	896.45
240.0	3241.40	2878.43	2503.18	2161.70	1840.94	1557.77	1303.77	1090.44	897.06
270.0	3104.80	2730.32	2388.07	2052.73	1738.11	1468.60	1234.55	1015.32	846.57
300.0	3125.52	2766.39	2399.58	2084.96	1778.78	1491.01	1246.22	1039.03	854.09
330.0	3071.04	2705.00	2369.66	2040.45	1729.67	1474.28	1228.34	1009.10	835.14
360.0	3173.87	2820.11	2455.60	2137.91	1826.35	1535.52	1287.66	1078.16	884.78
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	739.75	608.53	497.26	415.15	356.60	310.48	281.17	262.14	244.41
30.0	831.84	685.27	570.16	472.70	402.11	348.54	310.48	286.69	268.58
60.0	830.99	683.96	567.09	468.79	394.28	342.63	304.88	282.55	262.06
90.0	828.00	680.66	560.18	464.26	394.43	340.87	302.96	278.56	260.29
120.0	810.73	665.85	546.14	456.44	383.46	329.97	293.44	272.11	253.31
150.0	795.77	661.48	544.84	451.22	387.52	333.96	298.28	273.88	257.92
180.0	789.48	649.66	533.02	445.85	376.17	325.21	290.45	269.12	251.85
210.0	743.28	609.30	509.77	428.35	366.12	322.84	296.13	277.10	258.45
240.0	745.12	611.60	508.00	423.59	362.74	319.23	291.14	271.42	252.39
270.0	700.08	573.23	476.08	405.17	346.39	306.11	281.63	262.29	244.26
300.0	706.75	585.51	480.38	405.94	344.78	304.57	278.17	258.45	240.80
330.0	695.63	569.70	475.16	400.03	341.87	302.73	277.48	259.68	241.88
360.0	739.75	608.53	497.26	415.15	356.60	310.48	281.17	262.14	244.41
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	229.45	215.40	202.59	189.93	177.72	164.76	151.94	138.05	124.78
30.0	249.47	233.05	218.09	203.74	190.92	179.03	166.44	153.78	140.81
60.0	246.25	230.29	215.79	202.43	188.93	176.11	163.07	150.79	136.59
90.0	242.18	226.61	212.18	198.90	187.32	175.58	162.68	148.79	133.98
120.0	237.89	223.46	209.19	195.76	182.56	170.74	158.16	146.34	132.76
150.0	240.11	224.69	210.11	196.22	184.17	172.66	160.54	148.41	136.13
180.0	236.74	221.93	208.57	195.30	182.33	170.05	156.54	143.65	129.61
210.0	241.11	225.30	210.49	197.83	185.17	172.74	160.77	147.26	133.60
240.0	237.35	222.23	208.42	194.84	181.71	169.05	156.01	142.66	127.31
270.0	227.22	213.41	200.13	188.08	176.27	163.83	151.02	134.83	119.33
300.0	226.38	213.02	199.13	186.09	173.20	161.07	148.72	136.21	121.48
330.0	226.91	211.57	198.67	185.86	173.50	161.76	150.33	137.67	124.24
360.0	229.45	215.40	202.59	189.93	177.72	164.76	151.94	138.05	124.78

测试设备: GMS1800  
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测试日期: 2021/3/5  
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	110.73	95.77	82.19	68.76	55.33	42.97	28.01	12.51	0.77
30.0	126.16	111.50	97.23	81.42	65.61	49.50	32.54	16.04	2.84
60.0	121.94	106.51	89.71	72.21	57.09	41.44	26.86	9.98	1.00
90.0	118.10	100.99	85.03	69.68	55.02	41.52	24.48	9.06	1.07
120.0	118.02	103.14	87.79	71.37	55.86	41.36	26.93	10.67	1.00
150.0	121.09	105.82	88.48	73.82	58.17	38.83	21.64	16.04	3.61
180.0	115.26	100.53	86.48	72.75	59.39	47.04	32.31	18.57	3.76
210.0	118.94	103.60	88.02	71.98	55.86	38.75	22.18	8.36	0.69
240.0	112.65	96.54	79.35	63.77	47.88	33.84	16.19	1.46	0.77
270.0	101.98	85.26	69.98	54.64	41.59	26.78	11.13	1.15	0.61
300.0	106.59	91.01	74.59	60.01	44.74	31.23	14.43	1.07	0.61
330.0	110.96	96.54	81.96	66.45	51.03	34.92	19.41	5.83	0.54
360.0	110.73	95.77	82.19	68.76	55.33	42.97	28.01	12.51	0.77

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