

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3082B5-18-UN-RC-Y(3015-XL-18RGBWN-AJ, L480mm, C, CT)

报告编号:

电压(V): 201.4000

测试编号: 20210226003

电流(A): 0.6550

光源规格型号: XL

功率(W): 130.8000

每个光源光通量(lm)

功率因数: 0.9920

光源数量: 18

镇流器型号:

发光面长度(mm): 420

发光面宽度(mm): 105

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): 5627.25

灯具效能(lm/w): 43.02

中心光强(cd): 30035.100

最大光强(cd): 32030.280

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=27.8

[C90/270]Total=13.1

光束扩散角(10%Imax): [C0/180]Total=48.8

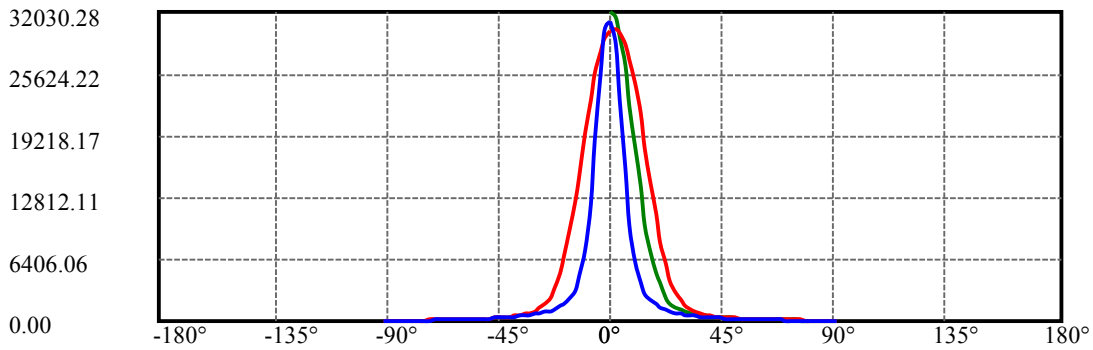
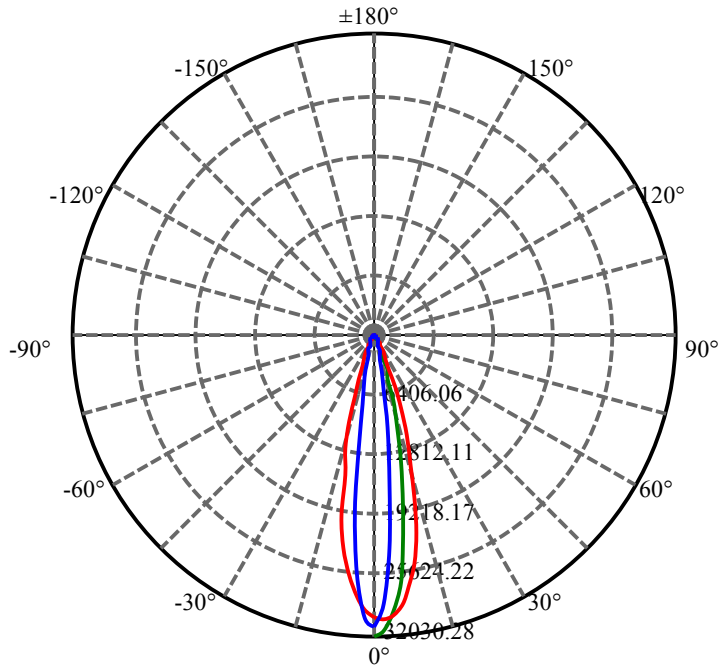
[C90/270]Total=27.9

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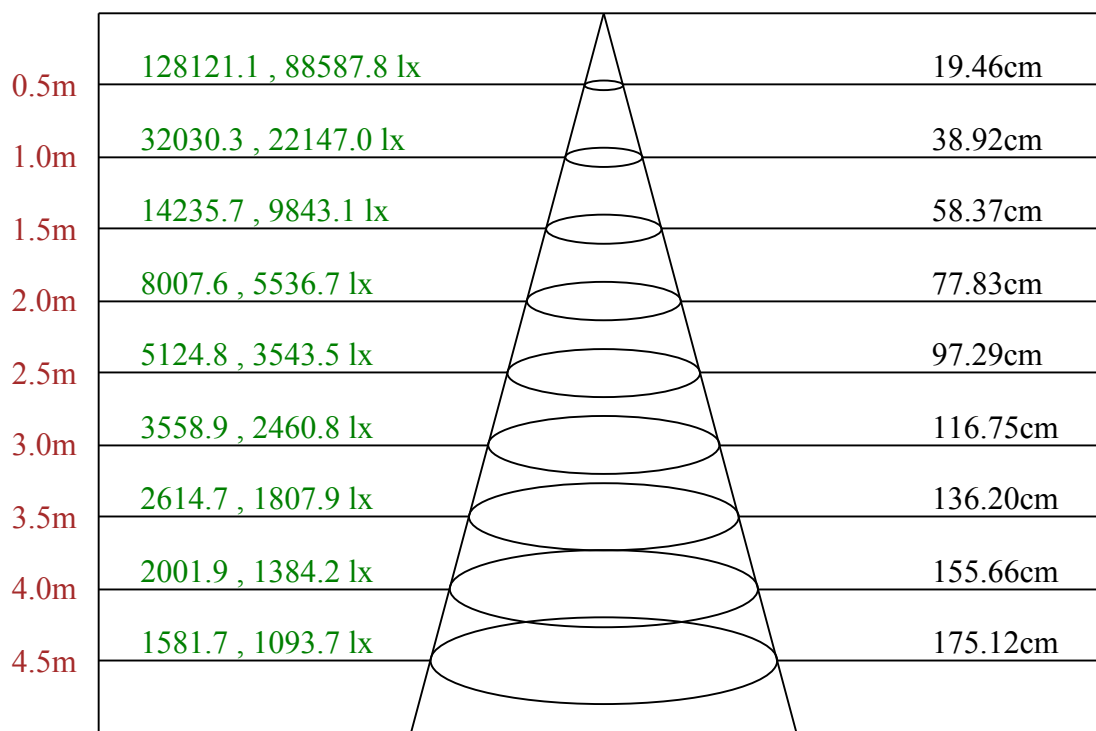
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/26  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

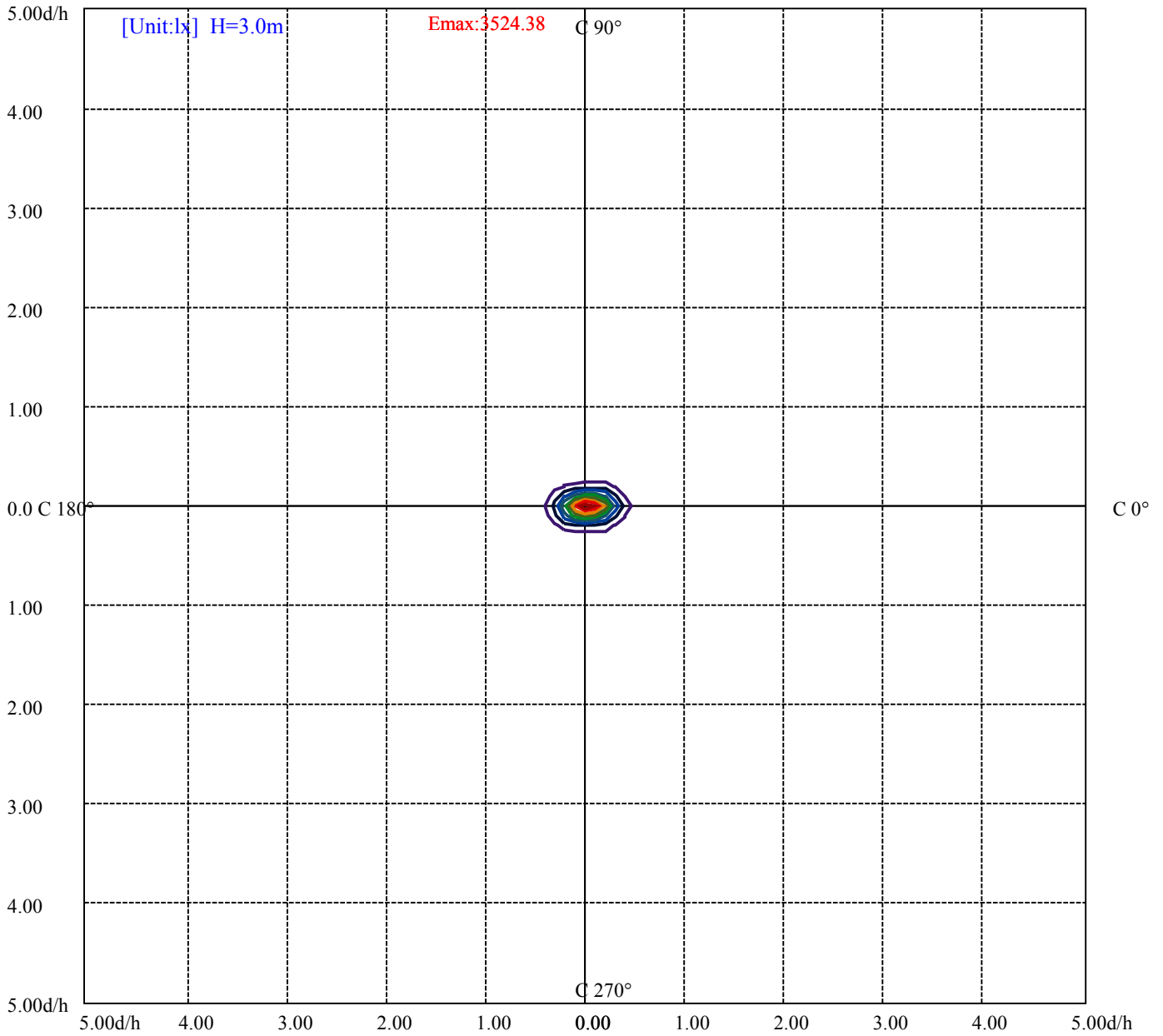


C30(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave    C30面光束角22.02

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 352.4366
- (20%Emax) 704.8733
- (30%Emax) 1057.31
- (40%Emax) 1409.745
- (50%Emax) 1762.189
- (60%Emax) 2114.622
- (70%Emax) 2467.056
- (80%Emax) 2819.489
- (90%Emax) 3171.933

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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

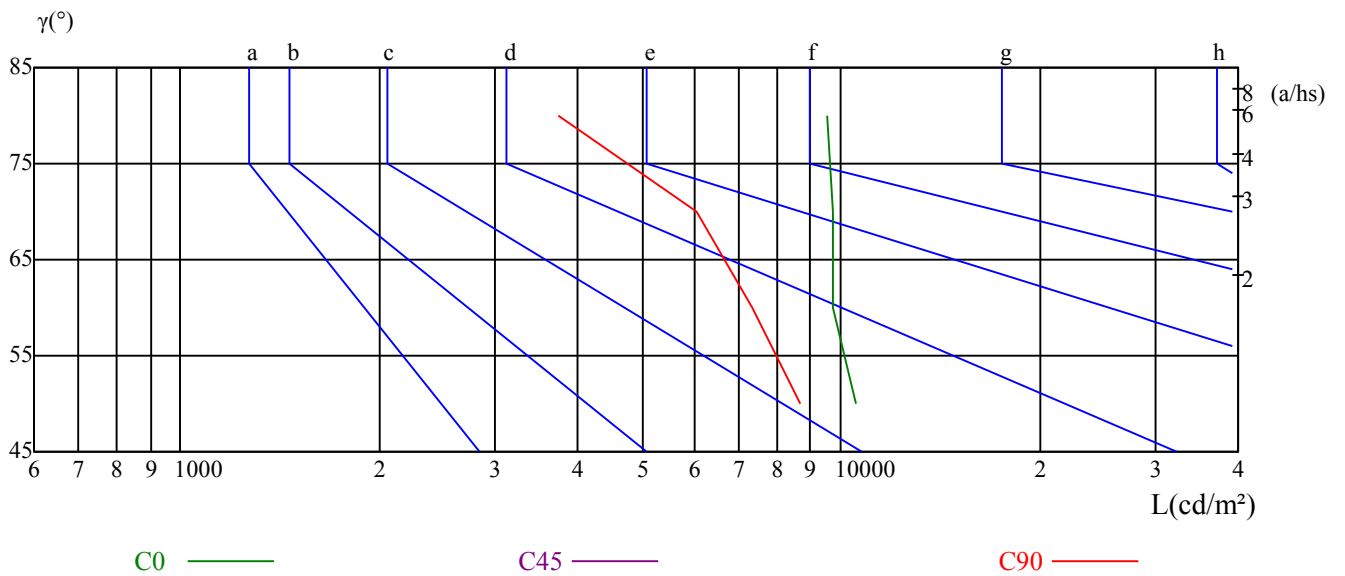
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	10579	0	9710	0	9733	0	9520	0
C45	0	0	0	0	0	0	0	0	0
C90	0	8684	0	7340	0	6059	0	3738	0

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	8.86	9.91	9.22	10.22	10.54	9.76	10.82	10.13	11.13	11.45
	3H	10.35	11.28	10.73	11.61	11.98	11.70	12.64	12.09	12.97	13.34
	4H	10.85	11.71	11.25	12.07	12.45	12.40	13.26	12.80	13.62	14.01
	6H	11.12	11.92	11.54	12.29	12.69	12.89	13.69	13.31	14.06	14.46
	8H	11.17	11.92	11.61	12.31	12.72	13.05	13.80	13.49	14.19	14.60
	12H	11.21	11.92	11.64	12.31	12.74	13.24	13.95	13.67	14.34	14.77
4H	2H	9.55	10.42	9.95	10.77	11.16	10.25	11.12	10.66	11.47	11.86
	3H	11.20	11.91	11.61	12.32	12.72	12.45	13.16	12.86	13.57	13.97
	4H	11.78	12.42	12.22	12.84	13.29	13.24	13.88	13.68	14.30	14.75
	6H	12.08	12.63	12.55	13.08	13.55	13.74	14.28	14.20	14.73	15.20
	8H	12.15	12.66	12.62	13.11	13.58	13.93	14.44	14.40	14.89	15.36
	12H	12.19	12.63	12.68	13.12	13.59	14.12	14.56	14.61	15.05	15.52
8H	4H	12.09	12.60	12.56	13.05	13.52	13.37	13.88	13.85	14.33	14.80
	6H	12.50	12.90	13.01	13.40	13.89	13.97	14.37	14.47	14.87	15.36
	8H	12.62	12.97	13.15	13.49	13.99	14.22	14.58	14.75	15.10	15.59
	12H	13.20	13.51	13.72	14.01	14.59	14.94	15.25	15.47	15.75	16.33
12H	4H	12.09	12.53	12.58	13.02	13.50	13.34	13.78	13.83	14.27	14.75
	6H	12.86	12.89	13.07	13.36	13.91	14.29	14.32	14.49	14.79	15.34
	8H	12.69	13.00	13.21	13.50	14.08	14.25	14.55	14.77	15.05	15.63
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.5/-0.6					
S = 1.5H	0.7/-0.9					0.8/-0.7					
S = 2.0H	1.4/-1.1					1.7/-0.8					
标准表格	BK4					BK3					
更正系数	0.7					1.9					

# 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	30035.10	30180.90	29774.19	28684.51	27019.31	24602.07	21417.46	17856.84	14419.00
30.0	32030.27	31370.33	29398.17	26451.45	22376.68	18133.09	13851.14	9991.24	7128.92
60.0	31408.70	29229.35	24433.25	18102.40	12366.26	8009.10	5314.08	3591.32	2586.06
90.0	31040.36	28600.10	22798.74	15700.51	9952.87	6092.97	3967.33	2811.67	2107.21
120.0	30487.85	27970.86	22852.46	15190.98	10816.16	7051.42	4567.42	3163.89	2300.59
150.0	30349.72	28960.77	26390.06	22745.02	18562.83	13935.55	10252.14	7105.90	4949.58
180.0	30035.10	29221.68	27755.99	25730.12	22860.13	19445.31	15176.40	12439.16	9540.02
210.0	32030.27	31278.25	29298.42	26014.05	21954.63	17588.26	13036.95	9481.70	6369.99
240.0	31408.70	30664.34	27395.32	21678.37	15692.84	10321.21	6545.72	4304.98	3022.69
270.0	31040.36	29981.38	25400.15	18670.26	12076.20	7415.15	4682.53	3262.12	2378.10
300.0	30487.85	30272.98	27203.48	21931.61	15646.80	10359.58	6637.80	4496.82	3135.50
330.0	30349.72	30311.35	28991.47	26267.28	22614.57	18278.90	14084.42	10302.02	7355.30
360.0	30035.10	30180.90	29774.19	28684.51	27019.31	24602.07	21417.46	17856.84	14419.00
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	11050.21	8233.94	6023.90	4189.87	2940.58	2102.61	1562.38	1196.34	956.15
30.0	4941.90	3882.92	2442.56	1837.10	1411.97	1138.02	933.90	781.19	663.78
60.0	1961.41	1531.38	1292.41	1088.06	921.16	791.09	686.42	604.62	533.48
90.0	1691.30	1378.21	1150.30	979.17	852.55	746.66	660.71	588.58	522.58
120.0	1773.41	1449.57	1202.94	1017.16	869.97	756.86	657.87	578.06	508.39
150.0	3882.92	2435.65	1827.89	1411.20	1125.74	923.15	778.89	659.18	568.63
180.0	6846.53	4911.21	3436.31	2468.65	1787.99	1350.35	1061.43	848.64	697.77
210.0	4399.37	3054.92	2207.74	1529.07	1286.43	1043.17	857.85	723.41	615.74
240.0	2193.93	1699.74	1383.58	1138.79	968.43	829.53	712.89	621.57	549.44
270.0	1843.24	1520.33	1258.57	1070.11	923.54	806.13	709.59	633.55	564.71
300.0	2333.59	1814.84	1471.06	1217.83	1042.10	893.23	769.68	675.29	590.11
330.0	5065.45	3557.56	2581.45	1904.63	1482.65	1178.23	972.57	813.65	692.40
360.0	11050.21	8233.94	6023.90	4189.87	2940.58	2102.61	1562.38	1196.34	956.15
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	771.21	642.29	544.07	461.96	402.87	360.67	327.44	299.89	276.95
30.0	577.07	504.17	446.61	402.87	366.58	337.49	312.78	292.06	273.80
60.0	474.32	427.66	387.37	354.14	325.98	302.42	280.48	260.83	244.49
90.0	470.40	420.52	389.06	337.72	310.33	285.92	264.28	246.17	228.45
120.0	451.22	404.56	368.72	337.95	311.17	288.84	268.20	248.94	232.28
150.0	494.19	434.33	387.52	355.22	325.29	300.89	281.47	263.52	247.63
180.0	586.66	502.09	429.27	379.85	341.25	310.63	285.85	265.97	248.02
210.0	536.17	471.94	421.37	379.39	346.85	319.38	298.20	279.56	262.21
240.0	482.68	432.03	389.06	356.29	328.05	303.80	283.39	264.90	248.40
270.0	503.86	452.29	406.02	368.49	333.89	303.73	279.02	258.99	241.19
300.0	516.44	458.89	412.85	380.00	343.40	316.62	292.91	274.11	254.62
330.0	591.19	513.76	450.37	403.79	365.81	333.96	309.64	288.61	269.66
360.0	771.21	642.29	544.07	461.96	402.87	360.67	327.44	299.89	276.95
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	257.53	242.03	227.37	214.10	202.28	189.70	176.65	161.92	146.80
30.0	257.92	244.18	230.75	218.70	206.35	193.99	181.02	166.90	150.25
60.0	229.22	214.02	198.67	181.25	164.83	150.87	136.44	121.94	108.05
90.0	211.11	192.53	176.42	161.84	148.41	134.37	120.25	105.82	91.39
120.0	217.78	202.82	187.09	169.51	153.78	139.20	124.78	111.04	96.08
150.0	233.44	220.93	208.42	196.76	184.71	171.66	158.46	143.19	125.85
180.0	232.44	219.39	206.58	193.84	181.10	168.29	153.71	137.82	122.55
210.0	247.48	233.51	220.16	208.88	197.52	185.01	170.97	156.62	138.82
240.0	230.98	217.09	202.89	187.70	170.43	154.01	139.59	125.16	110.35
270.0	224.00	207.65	187.85	172.74	158.62	144.88	130.99	116.79	102.60
300.0	237.73	222.39	208.96	194.07	178.11	161.69	146.11	131.37	116.72
330.0	254.23	239.81	225.99	213.64	202.59	190.69	178.72	165.37	149.79
360.0	257.53	242.03	227.37	214.10	202.28	189.70	176.65	161.92	146.80

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/26  
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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)

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	130.30	115.41	100.14	85.79	72.90	56.33	42.13	28.70	15.35
30.0	131.76	112.27	85.79	67.68	51.64	37.14	25.25	12.66	4.45
60.0	92.93	77.43	62.39	51.64	41.75	21.64	11.51	7.52	2.76
90.0	78.66	66.15	57.40	46.35	28.62	14.89	11.97	4.30	2.69
120.0	81.80	66.92	53.64	45.81	27.70	12.74	9.52	3.07	1.61
150.0	105.97	82.65	63.85	49.42	35.38	24.02	10.28	4.07	1.23
180.0	107.36	92.62	79.12	63.92	49.11	36.07	22.25	7.98	0.77
210.0	120.71	99.07	74.44	57.55	42.13	28.09	17.57	5.83	2.30
240.0	94.69	79.81	64.54	52.57	42.97	21.56	12.97	6.68	3.76
270.0	88.09	74.82	62.54	55.86	35.99	20.80	15.27	7.21	4.37
300.0	102.52	87.48	72.82	57.86	48.50	32.08	15.73	11.13	4.53
330.0	133.98	116.26	95.08	71.60	56.10	40.21	26.86	17.88	5.45
360.0	130.30	115.41	100.14	85.79	72.90	56.33	42.13	28.70	15.35
C/γ(°)	90.0								
0.0	1.92								
30.0	1.53								
60.0	0.84								
90.0	0.31								
120.0	0.31								
150.0	0.31								
180.0	0.38								
210.0	0.46								
240.0	0.31								
270.0	1.07								
300.0	2.23								
330.0	2.38								
360.0	1.92								