

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

ROLED

灯具名称: 投光灯

灯具描述: F3443A-18-UN-RC-Y (20-XL-18RGBWN-AJ, L1000, A, CT)

报告编号:

电压(V): 219.9000

测试编号: 20210409001

电流(A): 0.4420

光源规格型号: XL

功率(W): 93.5000

每个光源光通量(lm)

功率因数: 0.9620

光源数量: 18

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 60

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 4234.00

灯具效能(lm/w): 45.28

中心光强(cd): 18708.630

最大光强(cd): 19038.600

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=22.1

[C90/270]Total=21.9

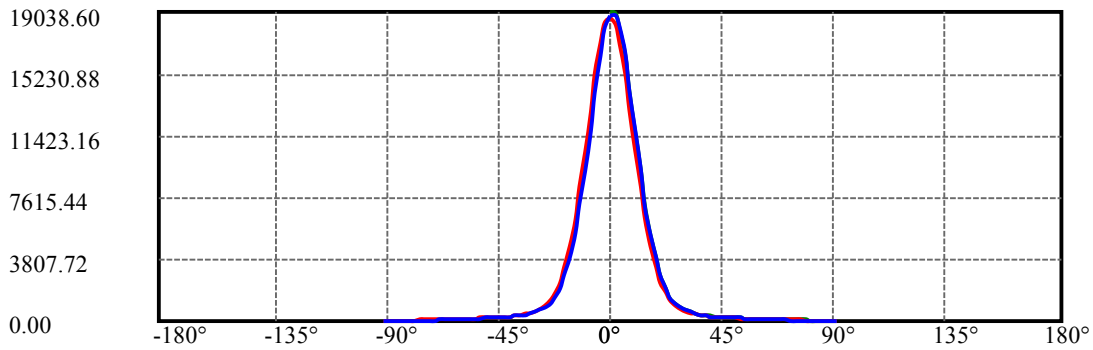
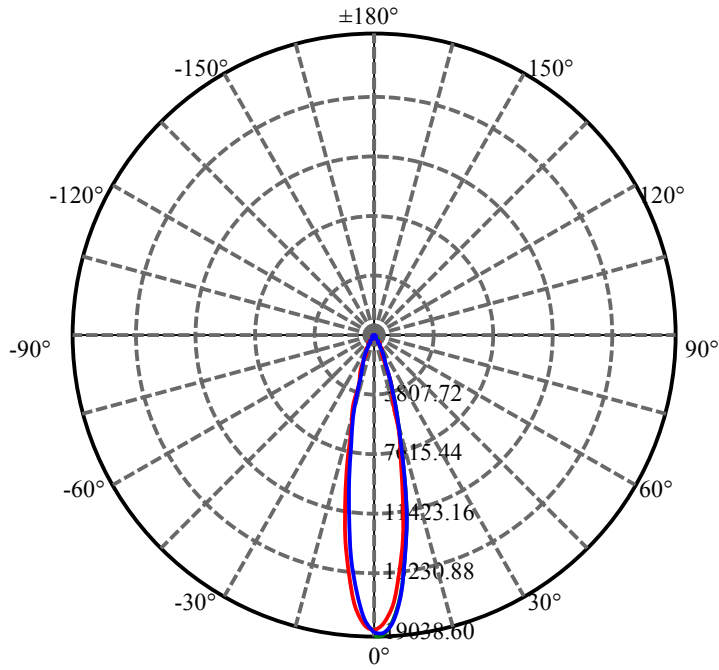
光束扩散角(10%Imax): [C0/180]Total=42.9

[C90/270]Total=42.9

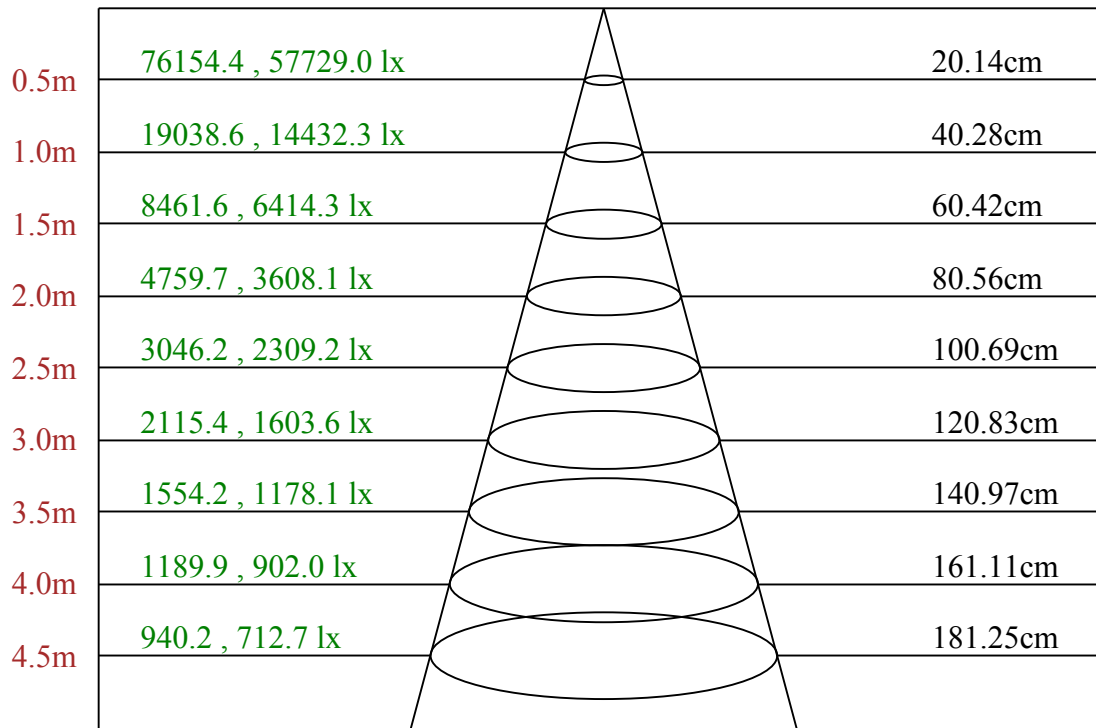
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/9
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

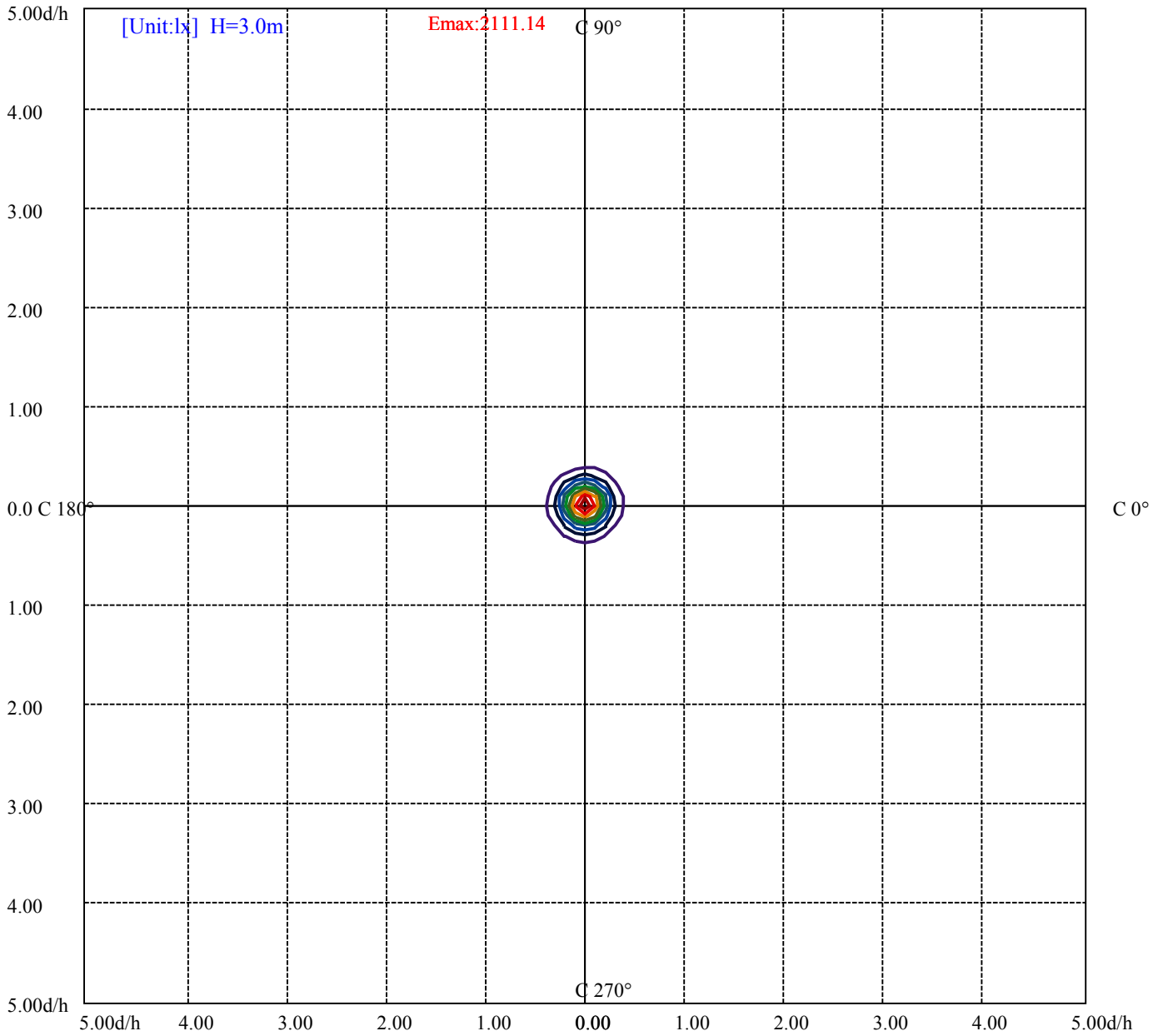


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角22.77

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平面等照度曲线



- (10%Emax) 211.1133
- (20%Emax) 422.2267
- (30%Emax) 633.34
- (40%Emax) 844.4534
- (50%Emax) 1055.568
- (60%Emax) 1266.678
- (70%Emax) 1477.789
- (80%Emax) 1688.911
- (90%Emax) 1900.022

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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

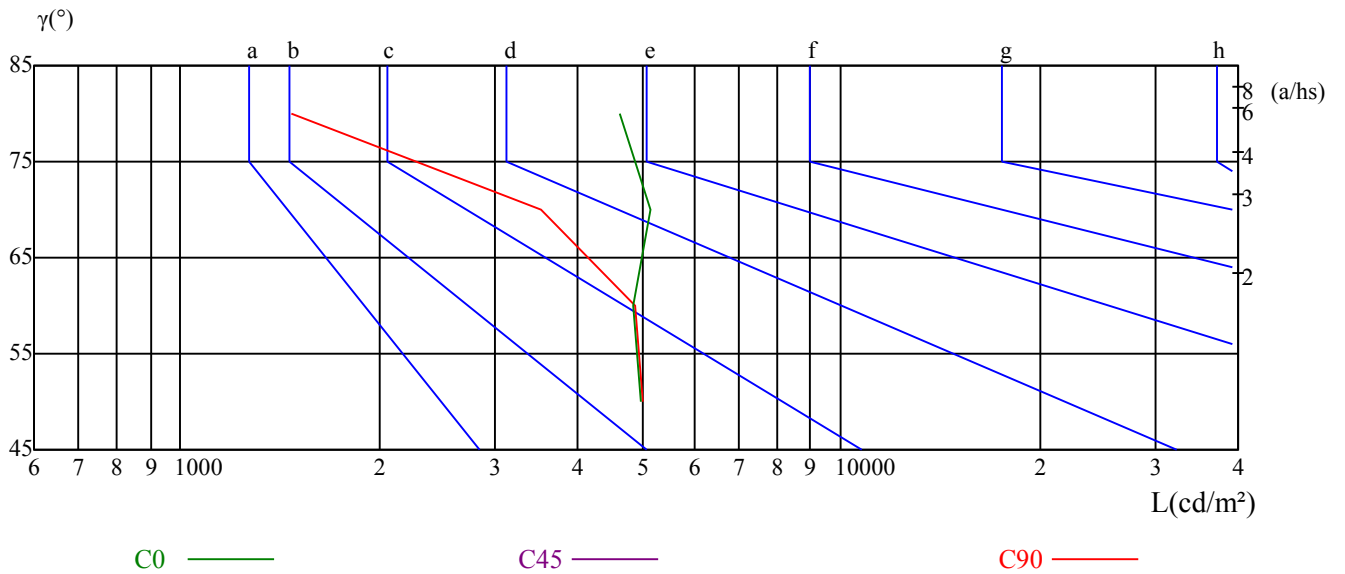
γ	45	50	55	60	65	70	75	80	85
C0	0	4968	0	4860	0	5144	0	4637	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4999	0	4897	0	3510	0	1473	0

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

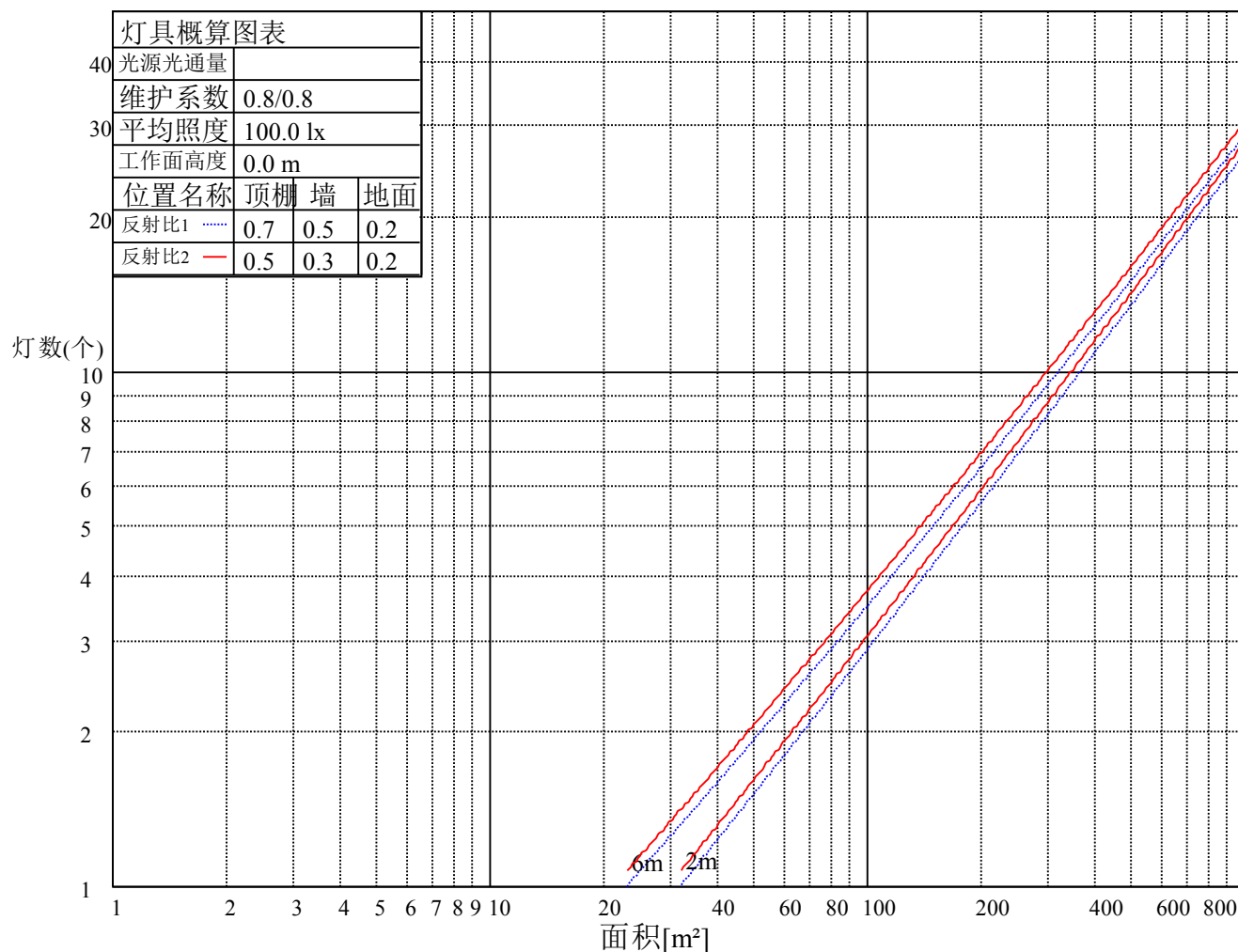
亮度限制曲线



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	8.12	9.18	8.49	9.49	9.81	8.18	9.24	8.55	9.55	9.87
	3H	9.32	10.26	9.70	10.59	10.96	10.46	11.40	10.85	11.74	12.10
	4H	9.57	10.44	9.97	10.79	11.18	11.28	12.15	11.69	12.51	12.89
	6H	9.62	10.42	10.04	10.79	11.19	11.84	12.63	12.25	13.01	13.41
	8H	9.61	10.36	10.04	10.75	11.16	12.02	12.77	12.45	13.16	13.57
	12H	9.60	10.32	10.04	10.70	11.14	12.26	12.98	12.69	13.36	13.79
4H	2H	8.81	9.69	9.22	10.04	10.43	8.86	9.73	9.27	10.09	10.48
	3H	10.12	10.83	10.53	11.24	11.64	11.37	12.09	11.79	12.50	12.90
	4H	10.40	11.04	10.84	11.46	11.91	12.30	12.94	12.74	13.36	13.81
	6H	10.47	11.02	10.94	11.47	11.94	12.83	13.38	13.30	13.83	14.30
	8H	10.46	10.97	10.93	11.42	11.89	13.03	13.54	13.50	13.99	14.46
	12H	10.45	10.90	10.94	11.38	11.86	13.26	13.70	13.75	14.19	14.66
8H	4H	10.71	11.22	11.19	11.67	12.15	12.40	12.91	12.87	13.36	13.83
	6H	10.81	11.21	11.31	11.71	12.20	13.01	13.42	13.52	13.92	14.41
	8H	10.81	11.17	11.34	11.69	12.18	13.26	13.62	13.79	14.14	14.64
	12H	11.55	11.86	12.07	12.35	12.93	14.00	14.31	14.52	14.80	15.38
12H	4H	10.72	11.16	11.21	11.65	12.13	12.35	12.79	12.84	13.28	13.75
	6H	11.16	11.19	11.36	11.66	12.21	13.31	13.33	13.51	13.80	14.35
	8H	10.86	11.17	11.38	11.67	12.24	13.25	13.56	13.77	14.06	14.64
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.3/-0.7					
S = 1.5H	1.0/-0.7					0.8/-0.6					
S = 2.0H	2.0/-1.4					0.8/-0.7					
标准表格	BK3					BK3					
更正系数	-1.8					-0.7					

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灯具的概算曲线



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灯具的利用系数表

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.05	1.01	0.98	1.03	0.99	0.97	1.00	0.97	0.95	0.97	0.94	0.93	0.94	0.92	0.91	0.89
3	0.99	0.94	0.91	0.97	0.93	0.90	0.95	0.91	0.89	0.92	0.90	0.87	0.90	0.88	0.86	0.84
4	0.94	0.89	0.85	0.93	0.88	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.81
5	0.90	0.85	0.81	0.89	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.79	0.77
6	0.86	0.81	0.77	0.85	0.80	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.74
7	0.83	0.78	0.74	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.72
8	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
9	0.77	0.72	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67
10	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.65

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光强数据表(cd)

附页 第9页 共10页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	18708.63	18225.18	17035.75	15155.68	12999.35	10559.09	8295.33	6407.59	4604.26
30.0	19038.60	18915.82	18017.99	16337.44	14142.74	11664.12	9392.68	7228.68	5340.94
60.0	18961.86	18823.73	17925.90	15884.68	13871.86	11356.40	9088.80	6907.15	5164.44
90.0	18816.06	18839.08	18079.38	16414.17	14196.46	11809.92	9361.99	7144.27	5348.61
120.0	18808.39	18677.93	17741.73	15243.92	13754.45	11439.27	9084.20	6877.22	4994.08
150.0	18723.97	18593.52	17672.67	15976.77	13782.07	11479.94	9093.41	6937.08	5156.77
180.0	18708.63	18309.59	17097.14	15273.85	12923.38	10449.36	8267.71	6242.60	4654.90
210.0	19038.60	18294.24	16782.51	14600.10	12238.88	9743.37	7538.70	5628.70	4172.99
240.0	18961.86	18263.55	16759.49	14557.12	12124.54	9791.72	7581.67	5709.28	4151.50
270.0	18816.06	17956.60	16329.76	14108.98	11671.79	9273.74	7250.17	5395.42	3952.75
300.0	18808.39	18163.79	16636.71	14526.43	12185.93	9906.82	7673.76	5739.97	4182.20
330.0	18723.97	18002.64	16575.32	14572.47	12231.21	9833.92	7738.22	5746.11	4189.87
360.0	18708.63	18225.18	17035.75	15155.68	12999.35	10559.09	8295.33	6407.59	4604.26
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3355.74	2389.61	1731.97	1273.08	969.96	768.14	623.11	516.44	431.27
30.0	3928.97	2817.04	2048.89	1467.99	1115.00	861.76	694.48	570.16	475.77
60.0	3745.56	2674.31	1948.37	1440.59	1084.38	842.12	683.43	561.87	467.87
90.0	3913.62	2792.48	1989.81	1444.97	1082.00	832.60	670.69	549.44	465.03
120.0	3565.23	2554.59	1820.22	1364.70	1025.98	794.85	638.99	532.33	444.39
150.0	3928.97	2599.87	1848.61	1362.86	1019.08	785.03	633.85	523.35	438.94
180.0	3306.62	2385.00	1614.56	1283.36	969.66	760.09	629.02	521.89	435.79
210.0	3020.39	2162.47	1511.73	1193.50	912.26	729.01	596.56	495.72	424.44
240.0	3034.97	2183.95	1604.58	1194.04	917.78	723.64	597.79	498.03	419.75
270.0	2827.01	2012.83	1470.68	1123.21	865.83	687.26	569.24	474.78	400.42
300.0	2972.81	2118.73	1553.94	1161.81	898.60	709.06	583.97	485.75	410.55
330.0	2980.49	2145.58	1526.46	1156.82	886.09	701.46	578.60	481.37	408.93
360.0	3355.74	2389.61	1731.97	1273.08	969.96	768.14	623.11	516.44	431.27
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	388.29	323.30	285.31	255.46	231.98	213.48	199.59	187.78	177.11
30.0	406.71	353.91	308.18	274.26	246.02	223.54	205.89	192.07	180.33
60.0	399.42	343.48	300.50	267.58	239.73	219.09	203.58	190.16	178.88
90.0	392.13	339.72	293.91	261.52	235.58	216.25	201.74	188.93	179.18
120.0	382.61	330.43	290.30	259.91	232.82	213.94	197.68	185.55	174.96
150.0	387.52	330.59	289.99	260.45	233.59	212.56	197.29	183.86	172.89
180.0	372.02	323.91	284.39	255.15	234.82	217.24	203.43	190.77	179.64
210.0	369.11	321.91	283.62	254.23	230.14	211.72	197.91	185.86	176.42
240.0	365.73	320.61	281.32	252.85	229.60	210.95	196.76	185.78	176.04
270.0	346.93	301.04	264.82	239.27	218.86	203.12	191.38	181.10	172.20
300.0	355.99	310.86	274.26	244.87	222.69	204.81	192.00	180.87	171.66
330.0	352.38	307.49	272.96	244.95	221.77	203.66	190.23	178.65	169.44
360.0	388.29	323.30	285.31	255.46	231.98	213.48	199.59	187.78	177.11
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	167.90	159.31	150.71	142.89	136.06	129.53	122.47	113.57	103.44
30.0	171.12	162.99	156.62	152.17	149.02	144.57	137.36	127.69	116.33
60.0	169.51	161.84	154.78	149.41	144.04	132.91	115.41	95.77	78.27
90.0	170.28	161.92	153.32	143.96	129.15	111.65	96.15	82.34	70.60
120.0	166.29	159.00	152.71	146.88	140.66	129.30	112.27	94.39	75.28
150.0	163.91	156.54	149.79	144.73	140.20	135.06	129.15	121.40	111.35
180.0	169.21	160.15	151.48	143.27	136.06	129.99	122.63	114.03	104.29
210.0	168.36	161.30	156.39	152.86	148.26	141.89	133.91	123.32	111.42
240.0	168.29	161.84	156.70	151.94	142.81	124.62	104.21	86.10	70.06
270.0	164.22	155.47	144.96	127.31	110.04	94.85	82.19	69.83	55.71
300.0	164.60	157.77	151.48	145.57	137.21	121.02	101.52	83.95	68.07
330.0	162.07	155.09	149.18	144.11	140.05	135.13	128.00	117.72	106.44
360.0	167.90	159.31	150.71	142.89	136.06	129.53	122.47	113.57	103.44

测试设备: GMS1800
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测试日期: 2021/4/9
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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 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	91.62	80.50	68.91	57.63	47.35	36.91	27.09	17.50	7.21
30.0	103.98	90.78	76.66	61.70	40.98	22.18	10.13	3.99	2.38
60.0	63.39	50.65	38.06	26.55	16.04	9.36	7.98	4.30	3.76
90.0	57.48	45.74	34.76	23.48	15.04	11.89	9.52	5.76	4.83
120.0	61.16	48.34	37.37	26.40	15.96	9.36	7.98	4.76	3.84
150.0	99.45	86.64	72.44	57.09	39.44	21.33	9.44	3.84	2.23
180.0	92.47	80.80	69.45	58.55	47.73	38.06	28.47	19.18	9.06
210.0	99.30	84.80	69.06	48.73	27.93	13.35	4.68	3.30	1.76
240.0	55.63	42.05	29.39	18.80	10.51	8.98	5.68	4.45	1.69
270.0	44.05	33.00	22.02	13.89	11.74	8.90	5.99	4.45	1.38
300.0	54.79	40.36	29.24	18.42	10.67	8.90	5.68	4.37	1.69
330.0	94.31	80.96	65.84	47.81	26.93	13.43	4.83	3.22	1.69
360.0	91.62	80.50	68.91	57.63	47.35	36.91	27.09	17.50	7.21

C/γ(°)	90.0
0.0	0.23
30.0	1.07
60.0	1.30
90.0	1.69
120.0	1.46
150.0	1.07
180.0	0.31
210.0	0.38
240.0	0.31
270.0	0.31
300.0	0.38
330.0	0.31
360.0	0.23