

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3443A-18-UN-RC-Y (40-XL-18RGBWN-AJ, L1000, A, CT)

报告编号:

电压(V): 219.9000

测试编号: 20210410001

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): 3906.87

灯具效能(lm/w): 41.78

中心光强(cd): 5575.754

最大光强(cd): 5733.833

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=42.2

[C90/270]Total=42.0

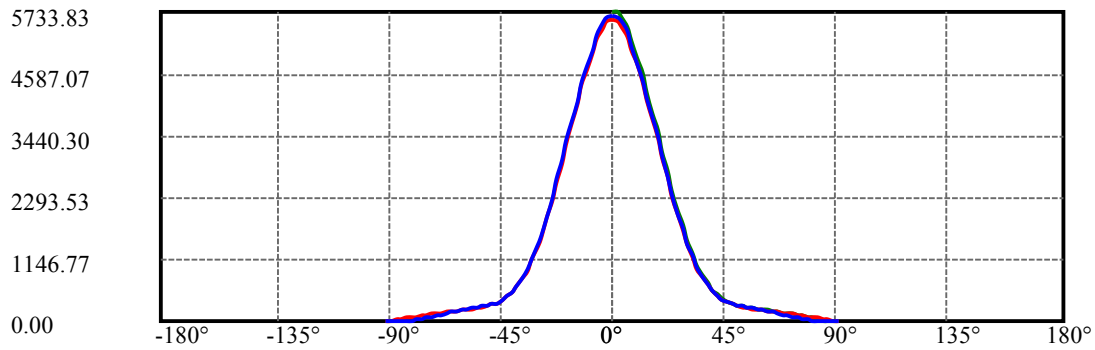
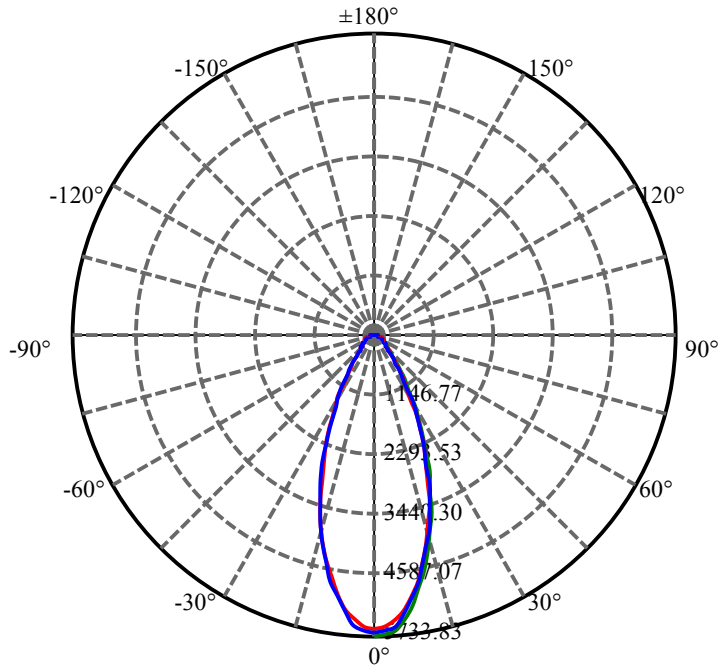
光束扩散角(10%Imax): [C0/180]Total=79.4

[C90/270]Total=79.3

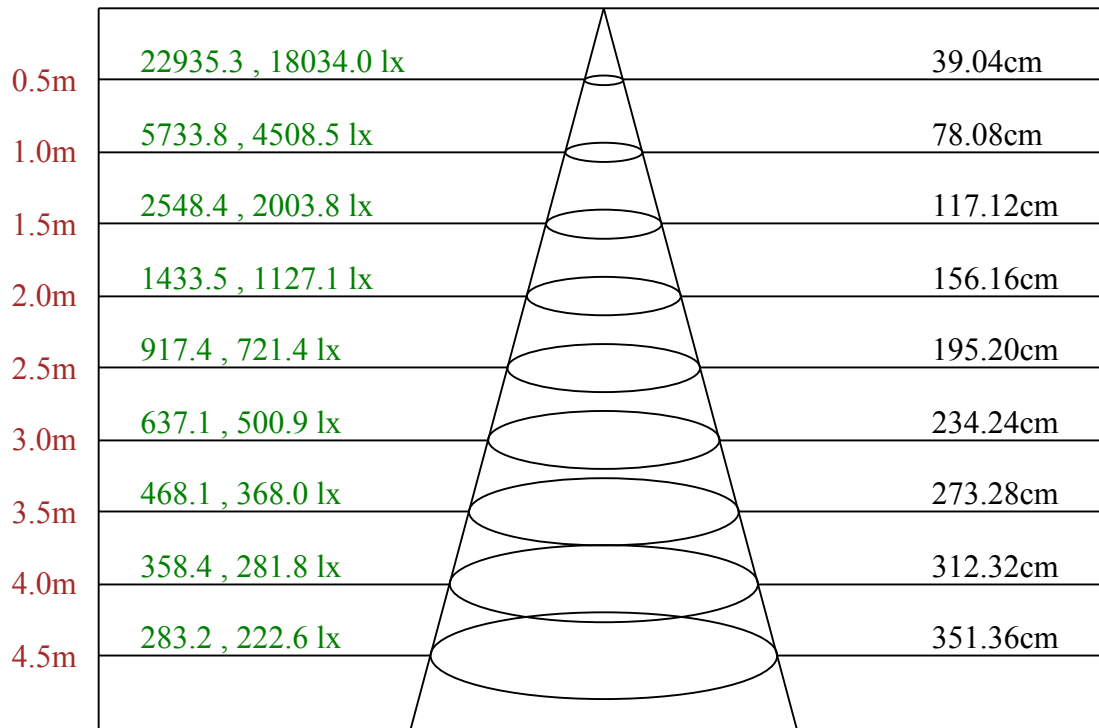
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/10
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

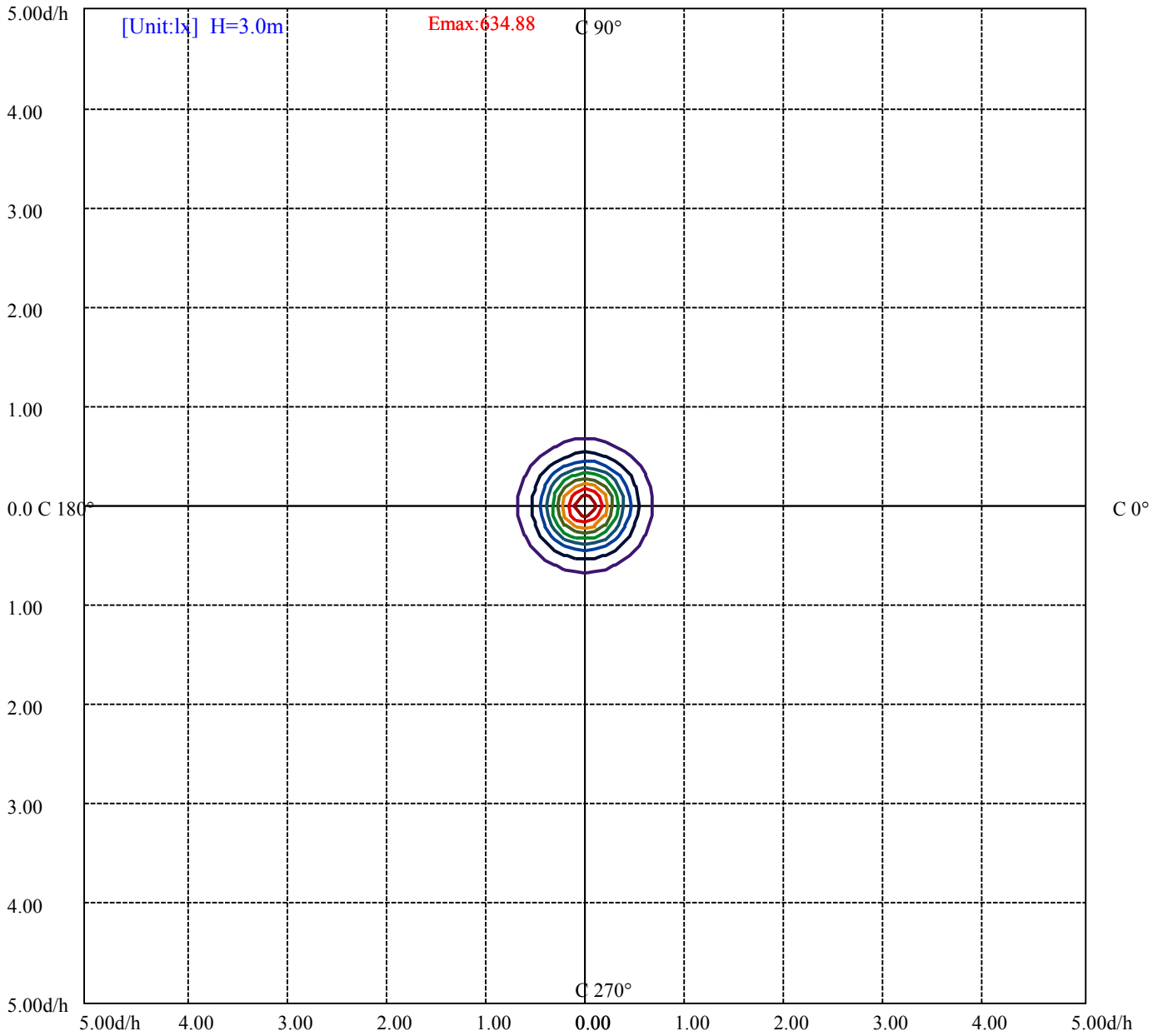


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角42.65

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平面等照度曲线



(10%Emax) 63.48756	——
(20%Emax) 126.9756	——
(30%Emax) 190.4622	——
(40%Emax) 253.95	——
(50%Emax) 317.4378	——
(60%Emax) 380.9256	——
(70%Emax) 444.4122	——
(80%Emax) 507.9	——
(90%Emax) 571.3878	——

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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

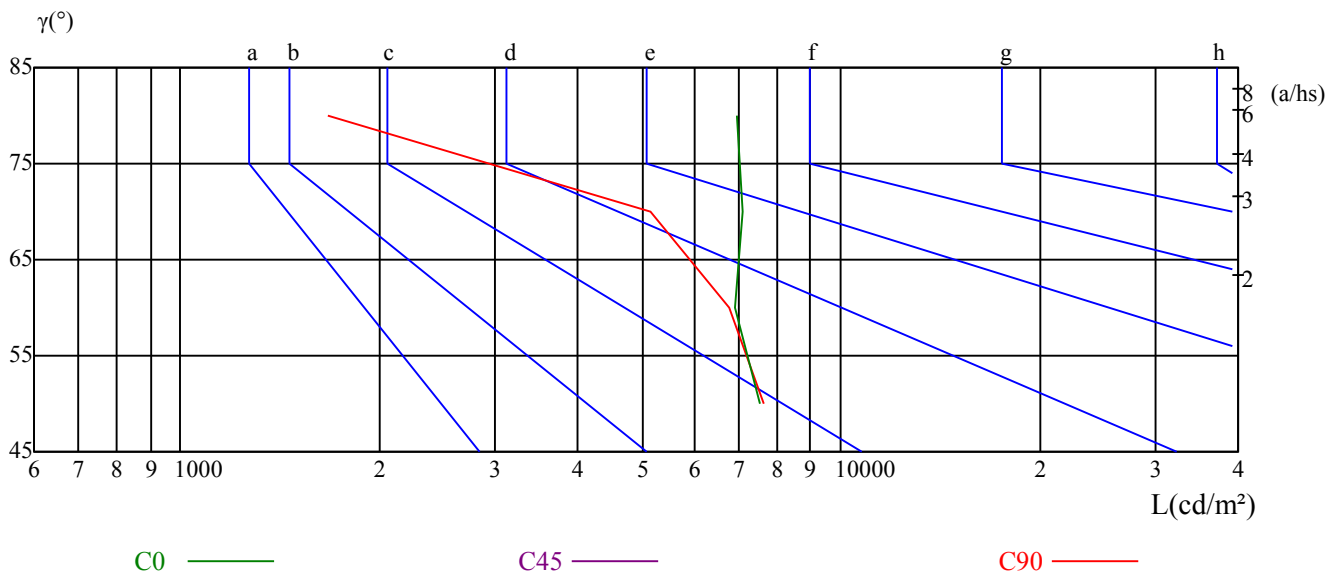
γ	45	50	55	60	65	70	75	80	85
C0	0	7551	0	6925	0	7086	0	6974	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7624	0	6776	0	5136	0	1676	0

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

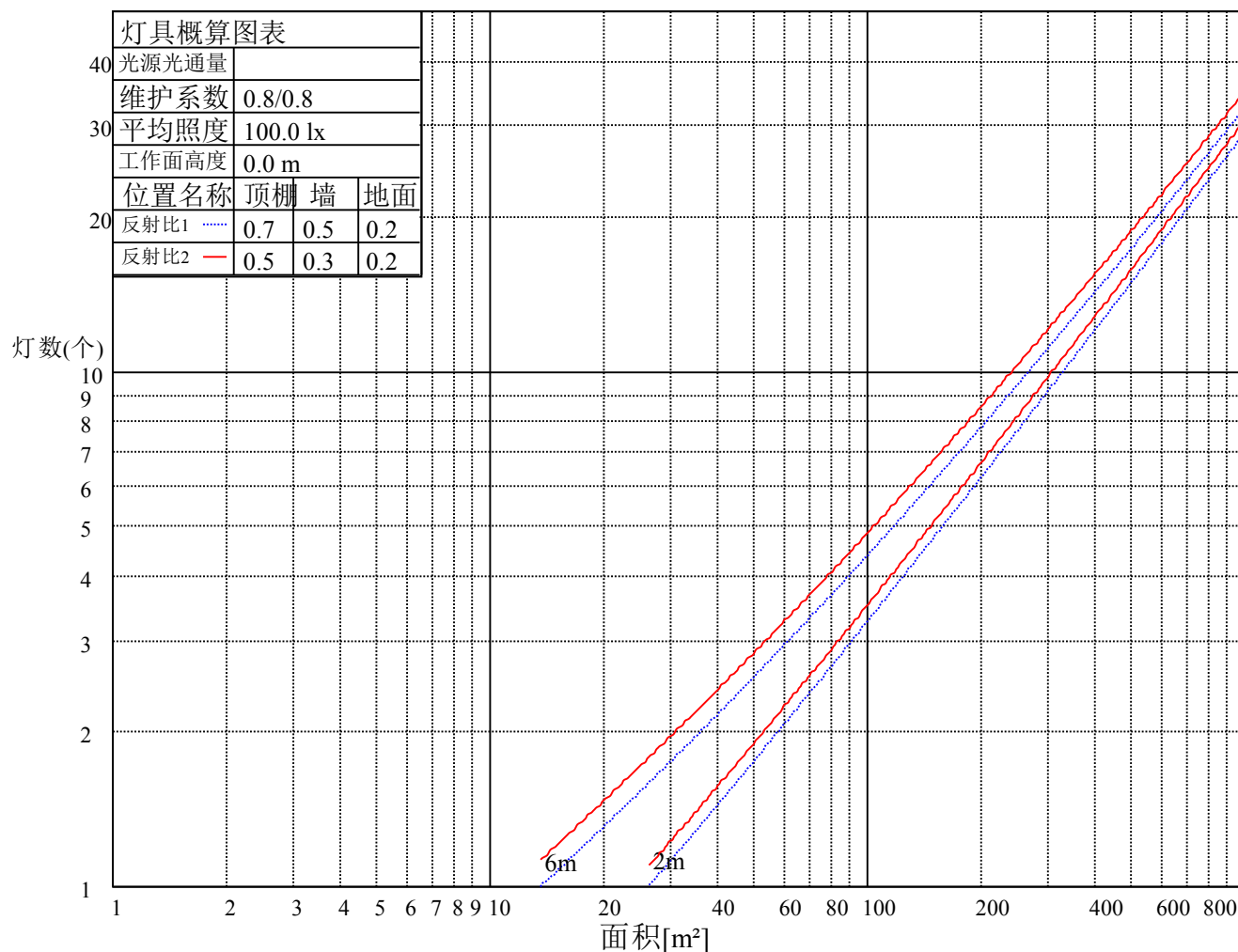
亮度限制曲线



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	11.17	12.34	11.53	12.66	12.97	11.18	12.35	11.54	12.67	12.98
	3H	12.56	13.61	12.94	13.94	14.30	13.19	14.24	13.57	14.57	14.93
	4H	12.87	13.84	13.27	14.19	14.58	14.00	14.97	14.40	15.32	15.71
	6H	12.92	13.82	13.34	14.19	14.58	14.62	15.52	15.04	15.89	16.28
	8H	12.90	13.74	13.33	14.14	14.54	14.85	15.69	15.28	16.08	16.49
	12H	12.88	13.69	13.32	14.07	14.50	15.15	15.96	15.58	16.34	16.77
4H	2H	11.76	12.73	12.16	13.08	13.47	11.77	12.74	12.17	13.09	13.48
	3H	13.34	14.14	13.75	14.54	14.95	14.02	14.82	14.43	15.22	15.63
	4H	13.70	14.42	14.14	14.84	15.29	14.95	15.67	15.39	16.09	16.54
	6H	13.78	14.40	14.25	14.85	15.32	15.56	16.18	16.03	16.63	17.10
	8H	13.76	14.33	14.23	14.78	15.25	15.82	16.40	16.30	16.85	17.32
	12H	13.74	14.25	14.23	14.73	15.21	16.12	16.63	16.61	17.11	17.59
8H	4H	13.98	14.55	14.45	15.00	15.48	15.10	15.68	15.57	16.12	16.60
	6H	14.08	14.55	14.59	15.05	15.53	15.83	16.29	16.34	16.79	17.28
	8H	14.08	14.49	14.60	15.01	15.50	16.15	16.56	16.68	17.08	17.57
	12H	14.76	15.12	15.28	15.62	16.19	16.90	17.26	17.42	17.75	18.33
12H	4H	14.00	14.50	14.49	14.99	15.46	15.06	15.56	15.55	16.05	16.53
	6H	14.58	14.54	14.66	15.01	15.55	16.26	16.22	16.33	16.69	17.23
	8H	14.14	14.50	14.66	14.99	15.57	16.15	16.51	16.67	17.01	17.58
对应照射距离，改变观察者位置S											
S = 1.0H		0.9/-0.7					0.7/-0.7				
S = 1.5H		1.7/-1.1					1.1/-0.9				
S = 2.0H		3.4/-1.5					2.1/-0.9				
标准表格		BK3					BK3				
更正系数		1.3					2.3				

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灯具的概算曲线



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	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.94	0.93	0.91
2	1.00	0.96	0.92	0.99	0.94	0.91	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.83
3	0.93	0.87	0.83	0.91	0.86	0.82	0.89	0.84	0.81	0.86	0.82	0.79	0.84	0.81	0.78	0.76
4	0.86	0.80	0.75	0.85	0.79	0.75	0.83	0.78	0.74	0.81	0.76	0.73	0.79	0.75	0.72	0.70
5	0.80	0.74	0.69	0.79	0.73	0.69	0.77	0.72	0.68	0.76	0.71	0.68	0.74	0.70	0.67	0.65
6	0.75	0.69	0.64	0.74	0.68	0.64	0.73	0.67	0.63	0.71	0.67	0.63	0.70	0.66	0.63	0.61
7	0.71	0.64	0.60	0.70	0.64	0.60	0.69	0.63	0.59	0.67	0.63	0.59	0.66	0.62	0.59	0.57
8	0.67	0.60	0.56	0.66	0.60	0.56	0.65	0.60	0.56	0.64	0.59	0.55	0.63	0.58	0.55	0.54
9	0.63	0.57	0.53	0.63	0.57	0.53	0.62	0.56	0.52	0.61	0.56	0.52	0.60	0.55	0.52	0.51
10	0.60	0.54	0.50	0.59	0.54	0.50	0.59	0.53	0.50	0.58	0.53	0.49	0.57	0.53	0.49	0.48

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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	5575.75	5554.27	5457.58	5286.45	5037.06	4756.96	4433.90	4096.25	3738.66
30.0	5733.83	5718.49	5629.47	5452.97	5193.60	4888.19	4579.70	4229.01	3862.97
60.0	5693.93	5671.68	5566.55	5373.17	5093.84	4798.40	4476.10	4127.72	3777.79
90.0	5660.93	5638.68	5554.27	5361.66	5084.63	4777.68	4465.36	4121.58	3781.63
120.0	5633.31	5601.08	5492.11	5285.69	5004.06	4706.32	4375.58	4021.82	3662.69
150.0	5613.36	5587.26	5481.37	5301.80	5040.13	4728.57	4414.71	4071.70	3731.75
180.0	5575.75	5541.22	5425.35	5241.95	4980.27	4677.16	4374.04	4019.52	3675.73
210.0	5733.83	5698.53	5584.96	5376.24	5111.49	4805.31	4498.36	4152.27	3794.67
240.0	5693.93	5667.84	5571.15	5372.40	5116.86	4832.93	4506.80	4169.15	3803.88
270.0	5660.93	5625.63	5511.29	5295.66	5023.24	4732.41	4410.11	4070.93	3703.36
300.0	5633.31	5607.22	5505.16	5301.03	5040.89	4754.66	4424.69	4091.65	3732.52
330.0	5613.36	5581.13	5468.32	5259.60	4994.85	4704.78	4383.25	4060.95	3681.10
360.0	5575.75	5554.27	5457.58	5286.45	5037.06	4756.96	4433.90	4096.25	3738.66
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3390.27	3026.53	2678.91	2317.48	1992.88	1683.62	1420.41	1184.83	976.10
30.0	3515.35	3137.03	2780.20	2420.30	2079.59	1766.50	1500.22	1249.29	1033.66
60.0	3410.99	3031.90	2655.89	2314.41	1980.60	1687.46	1422.48	1180.22	976.10
90.0	3417.89	3050.32	2676.61	2338.19	2002.85	1695.13	1435.76	1194.80	993.75
120.0	3317.37	2945.19	2579.15	2247.64	1919.21	1531.22	1359.41	1135.33	936.51
150.0	3350.36	3001.97	2637.47	2308.27	1980.60	1677.48	1418.88	1167.95	971.50
180.0	3292.04	2934.45	2564.57	2234.60	1906.16	1525.16	1368.54	1134.10	935.05
210.0	3420.19	3039.58	2672.77	2312.87	1991.34	1665.21	1416.27	1177.15	978.79
240.0	3438.61	3061.06	2672.77	2316.71	1982.90	1668.28	1391.25	1168.71	965.36
270.0	3357.27	2985.09	2619.05	2262.99	1932.25	1583.10	1382.20	1148.69	945.18
300.0	3377.22	3012.72	2636.70	2292.92	1968.32	1673.65	1380.51	1158.74	955.38
330.0	3338.09	2970.51	2615.22	2271.43	1945.30	1651.39	1394.25	1157.36	952.08
360.0	3390.27	3026.53	2678.91	2317.48	1992.88	1683.62	1420.41	1184.83	976.10
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	811.12	671.45	553.28	461.19	395.97	343.94	309.18	285.39	265.13
30.0	864.07	712.89	587.04	487.28	414.38	359.59	323.07	297.36	277.33
60.0	817.79	674.68	555.89	468.18	398.27	346.70	312.17	294.06	273.34
90.0	820.32	676.83	555.58	460.43	392.90	342.63	309.64	288.15	269.27
120.0	782.42	645.59	533.71	446.38	384.38	336.03	303.27	284.70	265.28
150.0	809.58	666.08	549.44	457.36	390.59	341.25	308.33	285.62	266.43
180.0	771.98	642.75	532.02	449.84	385.53	336.42	303.65	283.16	264.74
210.0	812.96	670.69	557.50	462.88	397.35	347.08	316.54	293.52	273.65
240.0	807.28	669.92	551.74	461.19	399.80	350.61	317.08	299.05	277.94
270.0	790.17	652.35	539.70	447.46	384.99	336.65	307.18	285.85	267.43
300.0	795.77	659.18	542.53	457.36	391.36	343.32	309.87	288.99	269.66
330.0	795.16	655.26	543.53	454.52	386.22	337.19	306.11	281.86	262.52
360.0	811.12	671.45	553.28	461.19	395.97	343.94	309.18	285.39	265.13
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	246.56	230.98	216.55	203.58	192.38	180.26	168.21	155.93	142.50
30.0	260.52	244.72	229.60	214.79	201.59	187.78	174.04	158.92	145.88
60.0	254.69	238.81	222.54	206.88	190.00	173.04	154.09	136.29	117.10
90.0	253.69	237.81	219.16	199.21	180.03	160.69	142.89	123.85	103.29
120.0	247.86	231.90	216.86	201.05	184.86	166.83	148.03	129.38	111.42
150.0	249.55	234.36	219.16	204.20	190.92	177.80	165.91	152.71	139.97
180.0	246.02	230.75	215.86	202.43	190.08	178.41	166.21	153.40	140.35
210.0	257.45	241.49	226.22	211.72	198.60	184.94	172.28	158.69	144.96
240.0	259.45	243.49	228.22	212.87	197.83	180.49	162.07	143.50	124.16
270.0	252.62	236.66	217.17	198.06	179.41	160.38	141.73	122.17	99.76
300.0	252.54	237.50	222.08	207.34	192.38	175.35	157.47	140.28	120.55
330.0	247.25	232.28	217.78	204.81	191.54	178.41	165.91	153.40	140.43
360.0	246.56	230.98	216.55	203.58	192.38	180.26	168.21	155.93	142.50

测试设备: GMS1800
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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	127.77	113.57	99.99	84.10	71.21	56.94	43.74	29.54	13.66
30.0	130.76	114.34	97.53	79.73	58.40	33.46	13.66	4.76	2.69
60.0	96.61	72.44	52.41	35.99	19.95	10.13	7.67	5.22	3.38
90.0	82.95	65.46	48.88	31.08	17.11	12.43	8.67	6.75	4.45
120.0	91.47	71.83	53.64	36.83	20.64	10.59	7.98	5.37	3.53
150.0	125.01	108.89	92.24	74.21	55.33	31.62	12.89	4.68	2.69
180.0	125.70	111.58	97.61	82.65	68.91	56.17	43.05	29.54	13.74
210.0	130.91	114.65	97.53	78.20	56.40	29.93	11.51	4.83	2.84
240.0	101.75	78.27	56.79	38.29	21.49	11.51	8.67	5.99	3.53
270.0	79.65	60.55	43.43	26.55	14.96	12.20	7.67	6.60	3.38
300.0	98.68	75.89	55.25	37.37	20.80	11.43	8.44	5.91	3.45
330.0	126.54	110.66	93.70	74.74	53.41	28.01	10.97	4.68	2.76
360.0	127.77	113.57	99.99	84.10	71.21	56.94	43.74	29.54	13.66
C/γ(°)	90.0								
0.0	0.46								
30.0	0.46								
60.0	0.38								
90.0	0.38								
120.0	0.46								
150.0	0.54								
180.0	0.38								
210.0	0.46								
240.0	0.38								
270.0	0.38								
300.0	0.38								
330.0	0.38								
360.0	0.46								