

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3072A-48-UN(15-OL-48WN-AA, L450mm, C, CT)

报告编号:

电压(V): 220.4000

测试编号: 20210329002

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: 0.9160

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

光度结果

灯具光通量(lm): 5129.32

灯具效能(lm/w): 95.88

中心光强(cd): 38645.060

最大光强(cd): 38921.310

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=14.6

[C90/270]Total=15.0

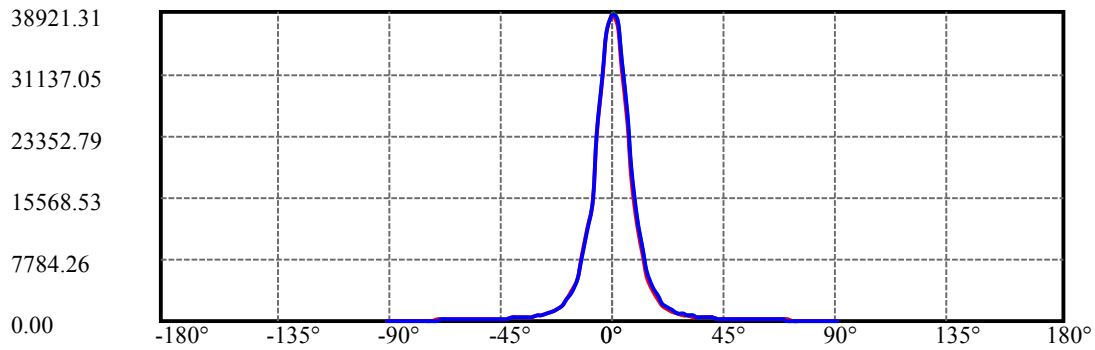
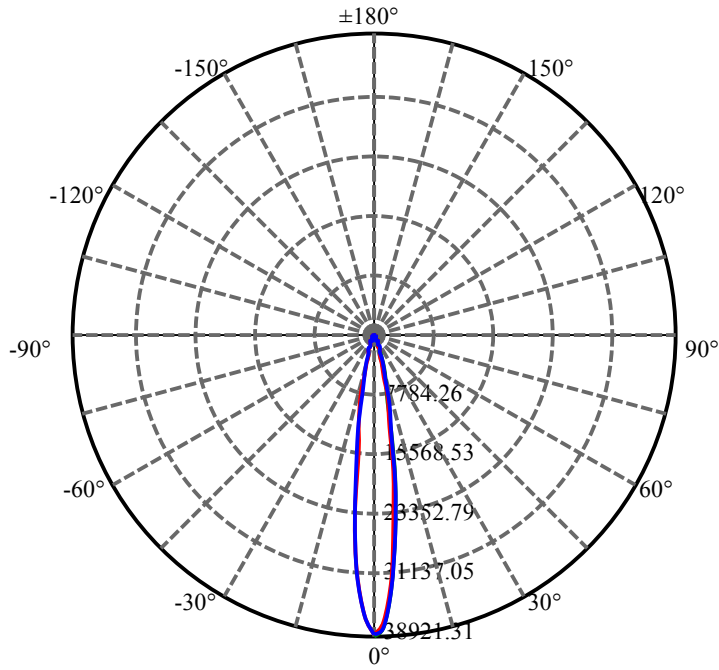
光束扩散角(10%Imax): [C0/180]Total=32.1

[C90/270]Total=32.6

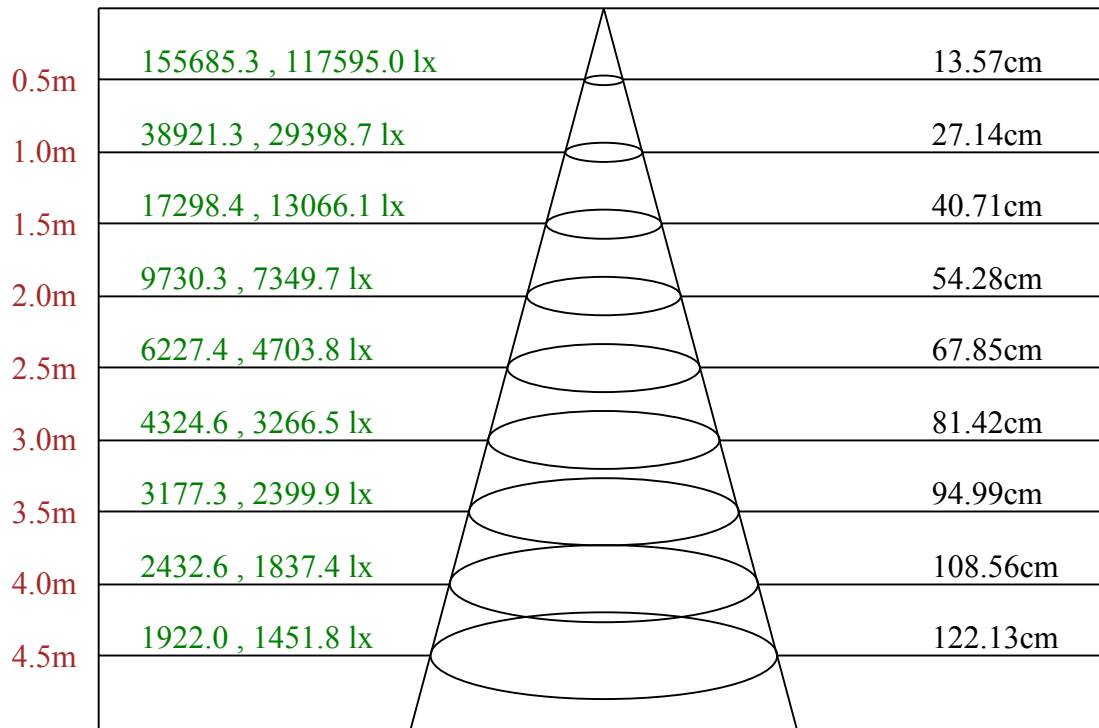
测试设备: GMS1800
环境温度(°C): 25.0

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

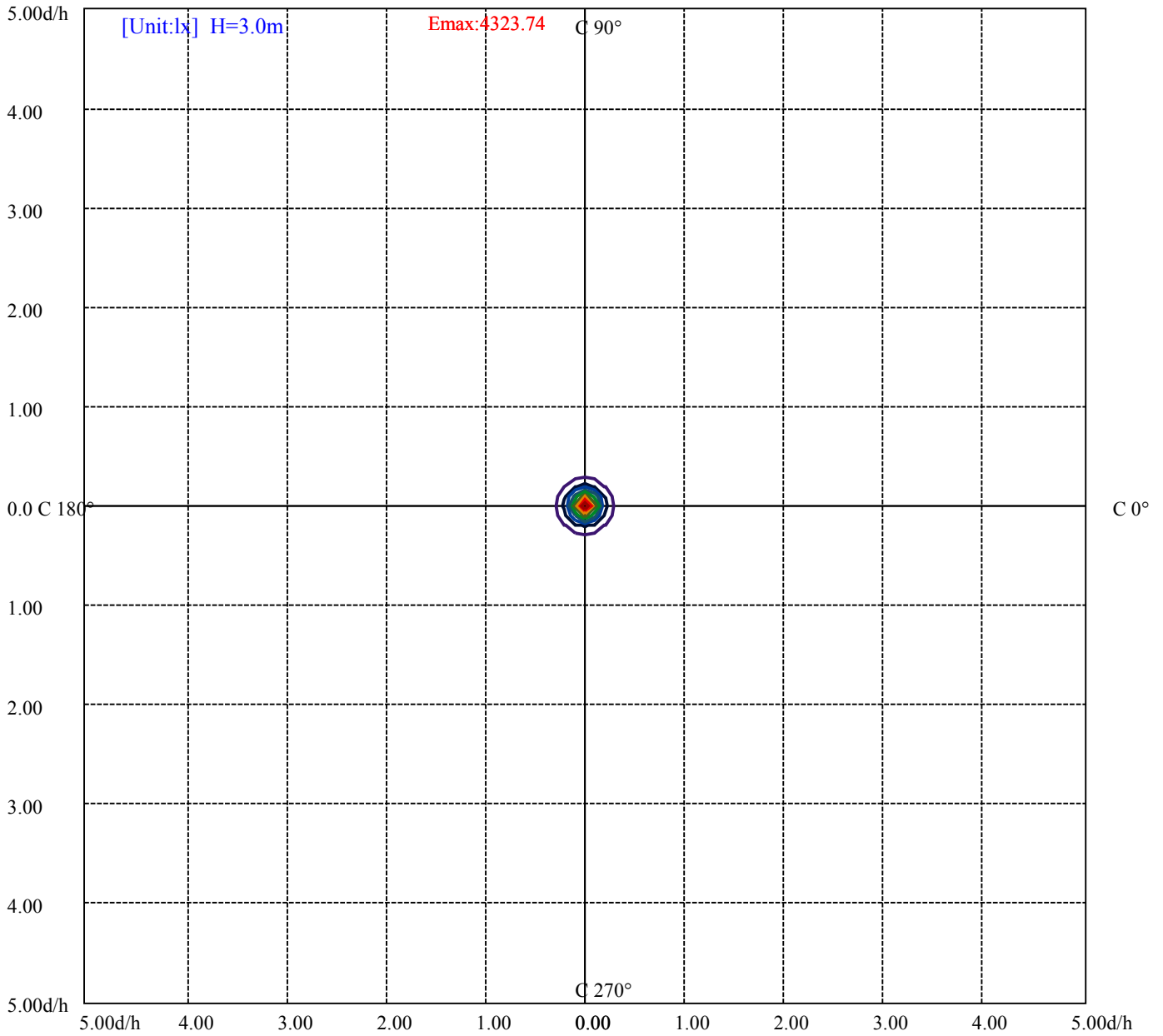


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角15.45

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平面等照度曲线



- (10%Emax) 432.3722
- (20%Emax) 864.7444
- (30%Emax) 1297.122
- (40%Emax) 1729.489
- (50%Emax) 2161.867
- (60%Emax) 2594.233
- (70%Emax) 3026.611
- (80%Emax) 3458.978
- (90%Emax) 3891.355

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

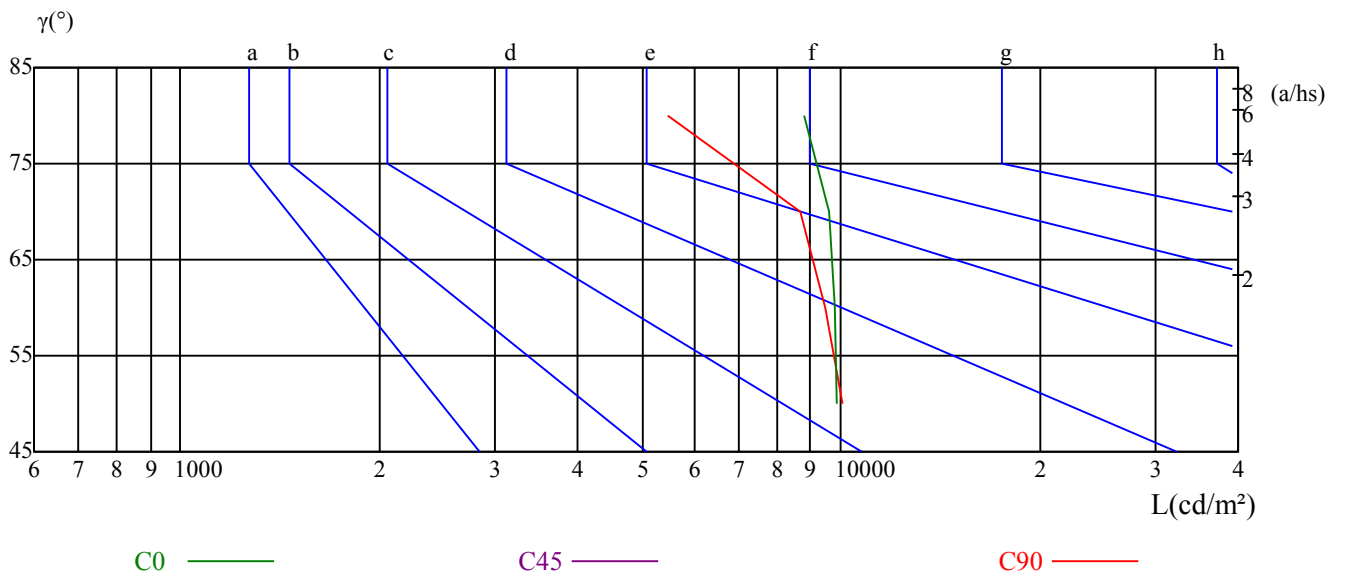
γ	45	50	55	60	65	70	75	80	85
C0	0	9861	0	9769	0	9590	0	8801	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10078	0	9475	0	8680	0	5490	0

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

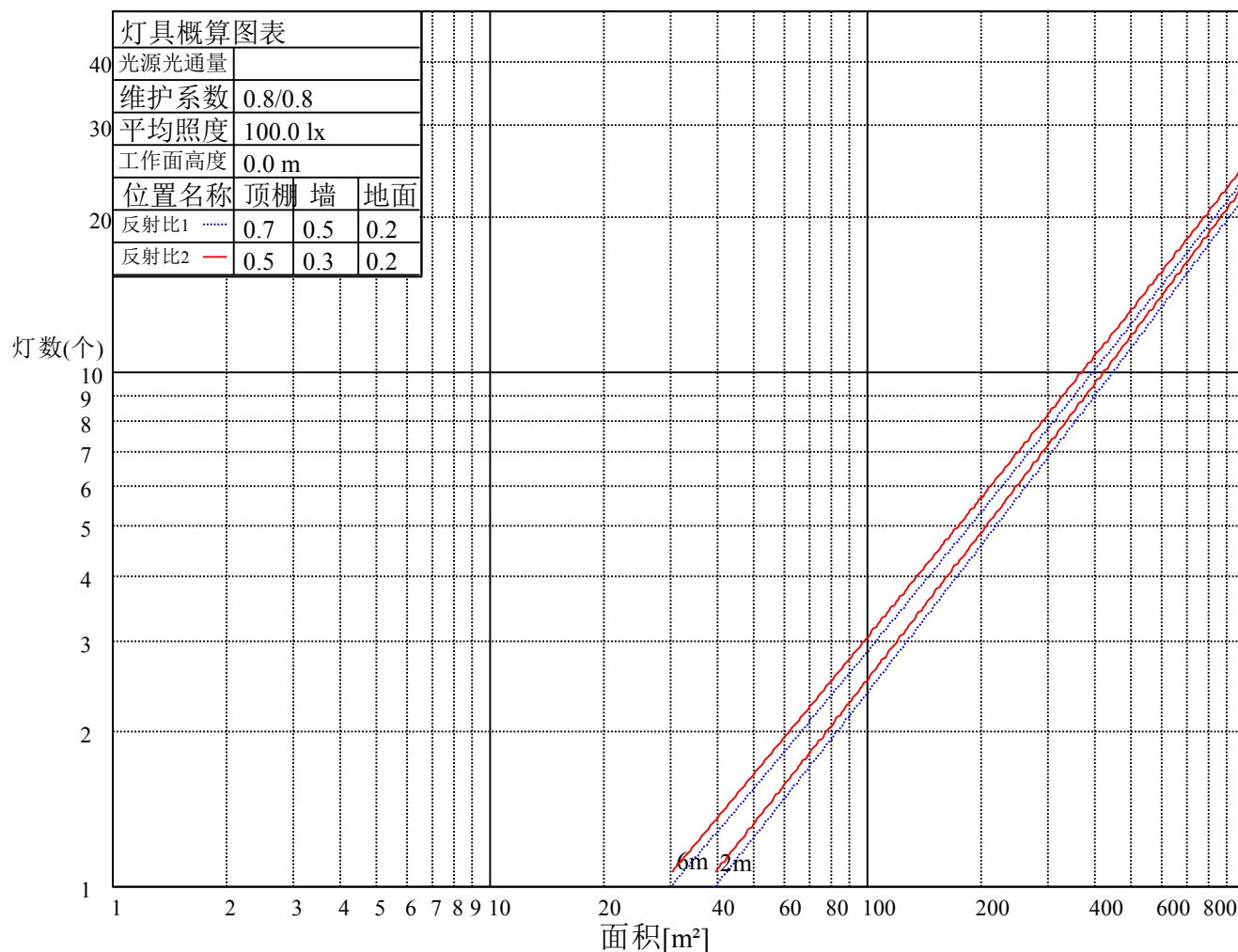
亮度限制曲线



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	10.08	11.16	10.45	11.47	11.79	10.43	11.51	10.80	11.82	12.13
	3H	11.85	12.81	12.24	13.14	13.51	12.37	13.32	12.75	13.65	14.02
	4H	12.44	13.32	12.84	13.67	14.06	13.08	13.97	13.49	14.32	14.71
	6H	12.75	13.57	13.17	13.94	14.34	13.61	14.42	14.03	14.80	15.19
	8H	12.81	13.57	13.24	13.96	14.37	13.77	14.54	14.21	14.93	15.34
	12H	12.84	13.57	13.28	13.95	14.39	13.94	14.67	14.38	15.06	15.49
4H	2H	10.72	11.60	11.12	11.95	12.34	10.99	11.87	11.39	12.22	12.61
	3H	12.63	13.36	13.05	13.77	14.17	13.13	13.85	13.54	14.26	14.67
	4H	13.31	13.96	13.75	14.39	14.83	13.94	14.59	14.38	15.02	15.46
	6H	13.65	14.21	14.12	14.66	15.13	14.48	15.03	14.94	15.48	15.96
	8H	13.73	14.25	14.20	14.70	15.17	14.68	15.20	15.15	15.65	16.12
	12H	13.76	14.21	14.25	14.70	15.17	14.85	15.30	15.34	15.79	16.26
8H	4H	13.57	14.09	14.05	14.54	15.02	14.13	14.64	14.60	15.09	15.57
	6H	14.01	14.42	14.52	14.93	15.41	14.78	15.20	15.29	15.70	16.18
	8H	14.13	14.50	14.66	15.02	15.51	15.05	15.42	15.58	15.94	16.43
	12H	14.71	15.03	15.23	15.53	16.11	15.73	16.05	16.26	16.55	17.13
12H	4H	13.58	14.03	14.07	14.52	14.99	14.11	14.56	14.60	15.04	15.52
	6H	14.40	14.41	14.58	14.88	15.43	15.14	15.15	15.32	15.63	16.17
	8H	14.20	14.51	14.72	15.01	15.59	15.09	15.41	15.61	15.90	16.48
对应照射距离，改变观察者位置S											
S = 1.0H		0.3/-0.5					0.2/-0.6				
S = 1.5H		0.8/-0.7					0.8/-0.6				
S = 2.0H		1.3/-0.8					0.7/-0.7				
标准表格		BK3					BK3				
更正系数		1.1					1.8				

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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	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.90	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.85
4	0.94	0.90	0.86	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.88	0.85	0.83	0.81
5	0.90	0.86	0.82	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.78
6	0.87	0.82	0.79	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.76
7	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.73
8	0.81	0.77	0.73	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
9	0.79	0.74	0.71	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
10	0.77	0.72	0.69	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68

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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	38645.06	36956.83	31654.26	24786.24	17887.53	12109.19	8172.55	5586.50	3898.27
30.0	38921.31	37593.75	32836.02	25576.64	18846.75	12861.22	8824.82	6000.88	4182.20
60.0	38905.96	37133.32	31884.47	25001.11	18294.24	12482.91	8459.55	5772.97	4124.65
90.0	38790.86	37601.42	32805.32	26044.74	19368.57	13091.43	9047.36	6192.72	4397.06
120.0	38760.16	36757.31	31347.31	24793.92	17795.45	12170.58	8469.53	5833.59	4191.41
150.0	38683.42	37010.54	32007.25	24985.76	18363.31	12577.29	8556.24	5931.82	4197.55
180.0	38645.06	36151.08	30649.00	23550.77	15111.17	11493.76	7974.57	5383.14	3875.25
210.0	38921.31	36419.66	30464.83	23259.17	15123.45	11271.99	7615.44	5250.39	3745.56
240.0	38905.96	36887.76	31823.08	24264.43	17749.41	12032.46	8126.51	5571.15	3882.92
270.0	38790.86	36258.52	30833.17	23773.31	15227.81	11301.91	7702.92	5241.18	3705.66
300.0	38760.16	36803.35	31769.37	24632.77	18071.70	12254.99	8103.49	5540.45	3928.97
330.0	38683.42	36304.56	30495.52	23688.90	15110.40	11196.78	7646.13	5233.50	3721.01
360.0	38645.06	36956.83	31654.26	24786.24	17887.53	12109.19	8172.55	5586.50	3898.27
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2770.99	2051.96	1548.56	1217.83	976.87	799.61	670.69	575.53	504.93
30.0	3041.11	2199.30	1653.70	1287.66	1035.19	844.11	714.43	610.83	531.02
60.0	2949.79	2172.44	1525.93	1282.90	1017.77	840.35	705.37	603.23	528.72
90.0	3137.80	2267.60	1695.90	1330.63	1050.54	851.79	719.03	613.90	535.63
120.0	2954.40	2180.88	1516.10	1304.16	1028.67	838.74	707.90	603.16	523.81
150.0	3062.60	2223.86	1694.37	1311.45	1042.86	846.42	708.29	602.39	522.58
180.0	2779.44	2019.73	1521.02	1214.37	974.11	796.92	670.00	573.23	503.17
210.0	2686.58	2002.08	1526.31	1200.56	973.88	800.37	678.28	584.20	512.68
240.0	2801.69	2051.96	1553.17	1213.99	987.61	811.88	689.10	593.95	517.21
270.0	2652.05	1943.76	1503.75	1185.14	954.23	786.94	673.83	581.44	511.53
300.0	2789.41	2044.29	1571.59	1225.50	984.54	807.28	685.27	589.34	512.61
330.0	2667.40	1958.34	1496.08	1193.27	957.46	787.79	672.68	579.29	505.01
360.0	2770.99	2051.96	1548.56	1217.83	976.87	799.61	670.69	575.53	504.93
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	446.61	402.87	365.81	334.42	309.02	287.92	269.27	254.62	240.88
30.0	470.40	420.52	387.52	350.00	325.14	303.11	285.62	269.27	255.15
60.0	467.41	417.07	376.40	345.93	319.46	297.97	278.79	261.29	246.17
90.0	472.70	422.82	387.52	352.69	324.29	299.12	278.86	260.22	243.57
120.0	461.73	414.15	373.87	343.09	316.62	294.52	275.49	258.68	242.87
150.0	464.26	415.15	387.52	346.24	320.38	298.82	281.32	265.05	251.39
180.0	445.69	399.27	363.43	332.50	306.87	285.46	268.27	253.08	239.73
210.0	455.05	410.78	372.48	342.94	318.23	297.43	280.55	264.97	251.78
240.0	457.36	410.55	380.93	342.94	319.00	297.13	278.33	262.60	246.56
270.0	456.28	411.16	375.09	343.25	318.54	295.29	276.41	258.61	242.03
300.0	455.82	408.24	371.41	341.71	316.54	294.52	276.79	260.52	245.41
330.0	449.22	405.40	367.50	339.49	315.01	294.14	277.64	261.75	247.71
360.0	446.61	402.87	365.81	334.42	309.02	287.92	269.27	254.62	240.88
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	228.52	217.55	207.11	196.22	184.78	172.74	159.54	146.19	131.76
30.0	241.95	230.14	218.32	206.88	195.68	182.41	167.83	152.78	134.75
60.0	230.75	215.71	200.21	186.78	172.97	158.46	144.65	130.07	115.03
90.0	227.30	213.56	201.44	190.31	178.03	164.60	151.02	135.13	119.25
120.0	227.76	213.41	198.06	184.48	170.97	157.62	143.42	128.92	114.95
150.0	239.11	226.99	216.09	204.28	193.15	179.64	165.91	150.18	131.76
180.0	228.14	217.01	206.58	194.91	183.79	170.97	158.23	144.65	130.30
210.0	238.88	226.53	214.64	203.74	191.38	177.65	163.76	147.34	130.07
240.0	231.21	217.01	202.66	187.85	174.04	160.15	145.49	131.07	115.64
270.0	227.60	212.87	200.21	188.62	176.27	162.22	148.72	133.06	117.26
300.0	229.60	216.09	201.44	186.78	173.81	159.61	146.03	131.14	116.64
330.0	234.82	223.31	211.80	201.28	189.54	176.34	162.38	146.65	130.68
360.0	228.52	217.55	207.11	196.22	184.78	172.74	159.54	146.19	131.76

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

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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	118.41	104.06	89.17	75.66	61.39	46.73	31.46	16.88	4.07
30.0	115.26	98.45	82.57	66.92	54.10	38.68	22.71	8.82	3.07
60.0	101.52	88.40	69.75	54.02	40.36	23.48	10.67	6.29	3.07
90.0	103.60	85.33	68.76	53.18	38.29	22.56	11.36	5.68	3.53
120.0	101.60	87.71	68.30	53.10	40.06	22.94	9.59	5.29	2.84
150.0	114.19	97.76	80.96	65.53	52.49	34.61	20.26	7.37	2.07
180.0	116.64	101.68	86.87	72.21	58.24	42.59	27.40	13.05	1.69
210.0	111.04	93.93	77.12	62.92	48.81	32.38	18.42	5.76	2.07
240.0	102.67	89.32	71.98	55.02	41.44	24.79	12.05	6.45	3.45
270.0	103.29	83.87	68.14	53.18	38.06	22.71	13.35	5.76	3.84
300.0	102.98	90.17	74.05	56.86	43.36	27.24	12.97	7.52	3.53
330.0	112.42	96.23	79.65	64.61	51.49	35.76	20.64	8.67	2.46
360.0	118.41	104.06	89.17	75.66	61.39	46.73	31.46	16.88	4.07
C/γ(°)	90.0								
0.0	0.46								
30.0	0.84								
60.0	0.61								
90.0	0.46								
120.0	0.31								
150.0	0.31								
180.0	0.31								
210.0	0.31								
240.0	0.23								
270.0	0.31								
300.0	0.46								
330.0	0.54								
360.0	0.46								