

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: F3323A-15-36DC-RC-Y (12-XL-15RGBWN-AJ, L1000, C, CT)

报告编号:

电压(V): 220.4000

测试编号: 20210408009

电流(A): 0.3710

光源规格型号: XL

功率(W): 76.5000

每个光源光通量(lm)

功率因数: 0.9350

光源数量: 15

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 48

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 3300.15

灯具效能(lm/w): 43.14

中心光强(cd): 33135.300

最大光强(cd): 34102.190

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=14.5

[C90/270]Total=13.8

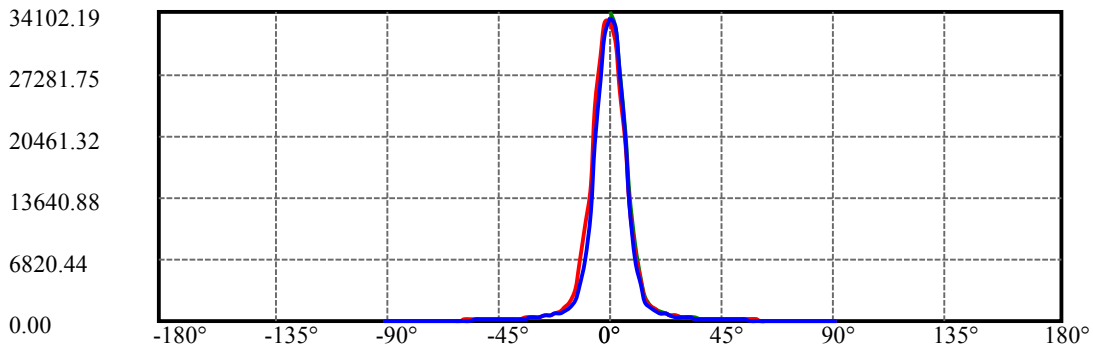
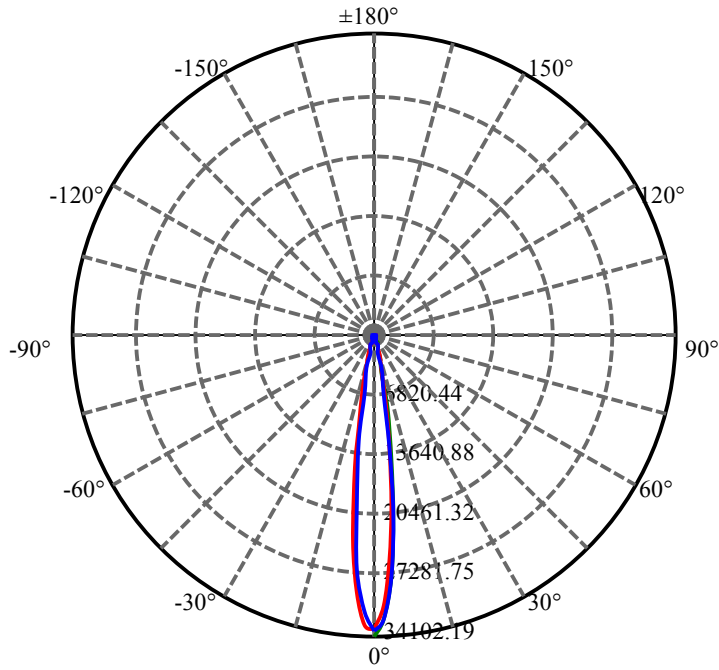
光束扩散角(10%Imax): [C0/180]Total=27.6

[C90/270]Total=25.2

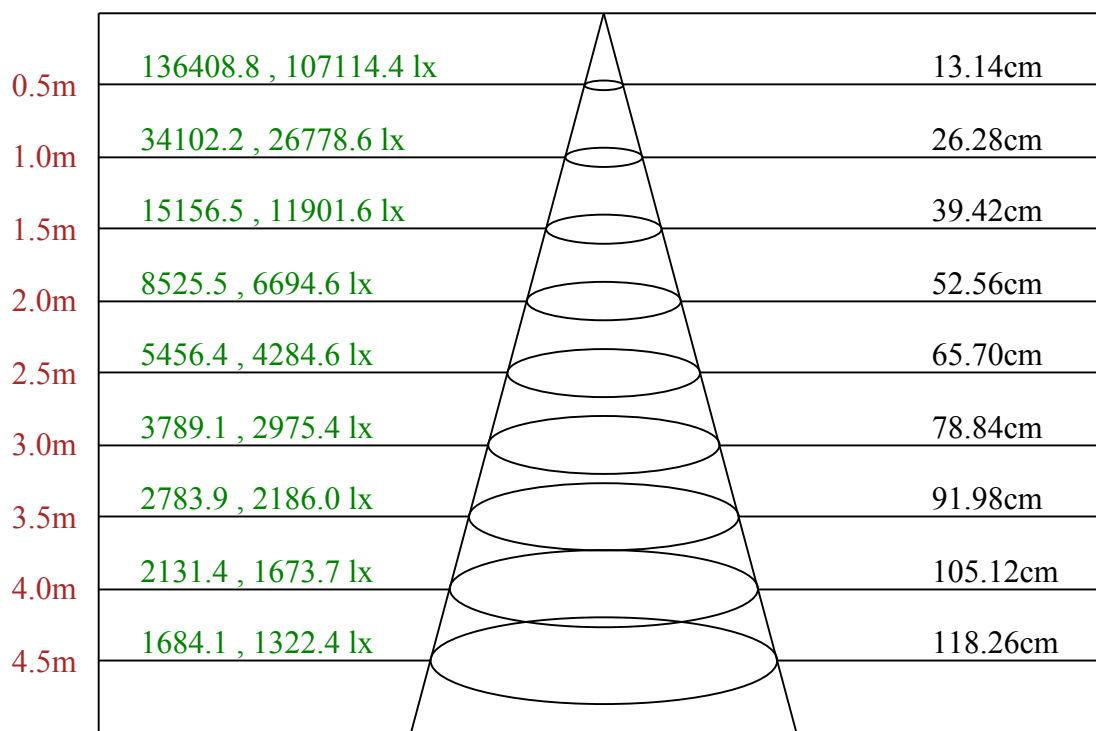
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/8
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

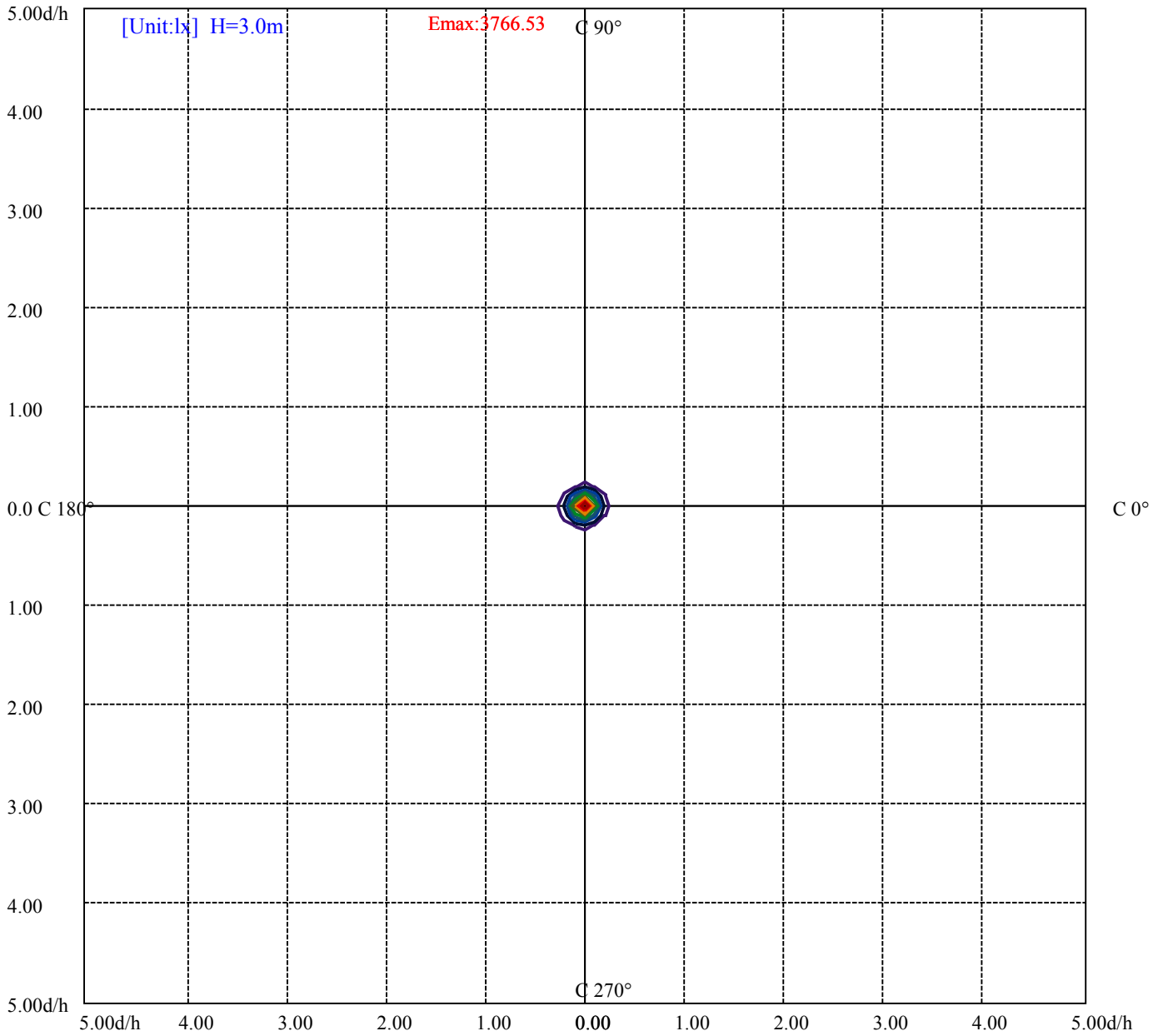


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角14.97

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平面等照度曲线



- (10%Emax) 376.6511
- (20%Emax) 753.3033
- (30%Emax) 1129.956
- (40%Emax) 1506.611
- (50%Emax) 1883.256
- (60%Emax) 2259.911
- (70%Emax) 2636.556
- (80%Emax) 3013.211
- (90%Emax) 3389.867

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

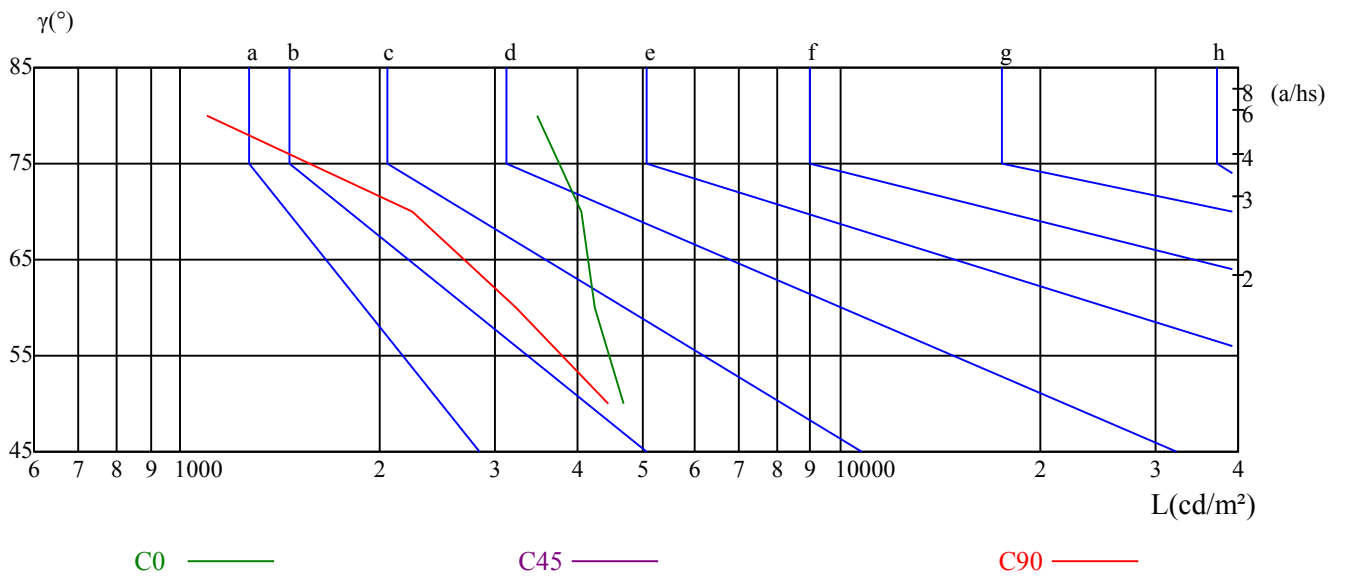
γ	45	50	55	60	65	70	75	80	85
C0	0	4675	0	4255	0	4040	0	3476	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4459	0	3220	0	2251	0	1099	0

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

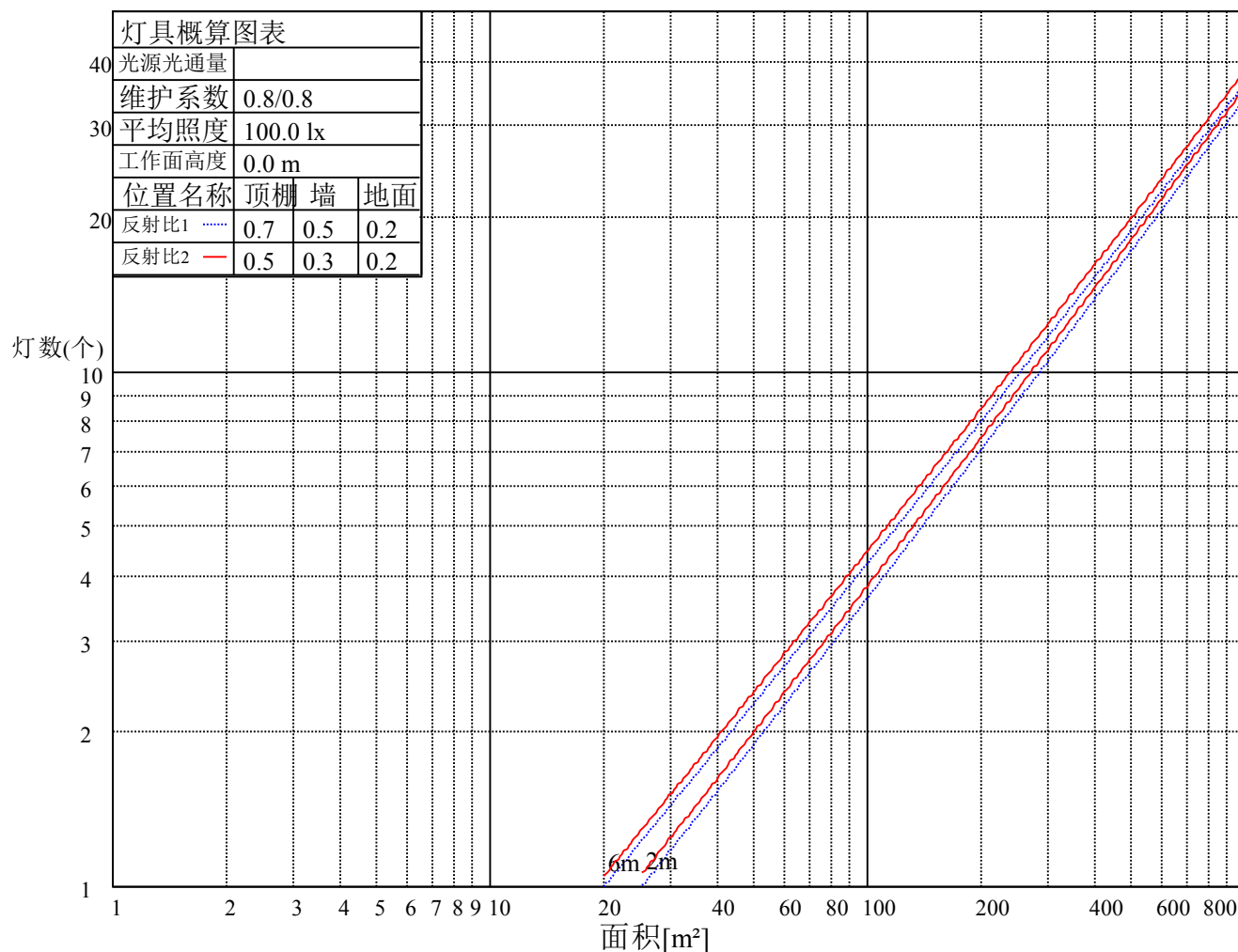
亮度限制曲线



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	7.56	8.59	7.93	8.90	9.22	8.52	9.54	8.88	9.85	10.17
	3H	8.51	9.41	8.89	9.75	10.11	10.36	11.26	10.74	11.60	11.96
	4H	8.68	9.52	9.09	9.88	10.26	11.02	11.86	11.43	12.21	12.60
	6H	8.73	9.49	9.14	9.87	10.26	11.48	12.25	11.90	12.63	13.02
	8H	8.72	9.44	9.15	9.83	10.24	11.64	12.36	12.07	12.75	13.16
	12H	8.72	9.40	9.15	9.79	10.22	11.83	12.52	12.26	12.90	13.33
4H	2H	8.12	8.96	8.53	9.32	9.70	8.89	9.73	9.29	10.08	10.47
	3H	9.18	9.86	9.59	10.27	10.68	10.98	11.67	11.40	12.08	12.49
	4H	9.39	10.00	9.83	10.42	10.87	11.73	12.35	12.17	12.77	13.22
	6H	9.44	9.97	9.91	10.42	10.89	12.19	12.71	12.66	13.16	13.63
	8H	9.43	9.92	9.91	10.37	10.85	12.36	12.85	12.84	13.30	13.77
	12H	9.44	9.86	9.93	10.35	10.83	12.56	12.98	13.05	13.47	13.95
8H	4H	9.62	10.11	10.09	10.56	11.03	11.74	12.23	12.21	12.68	13.15
	6H	9.70	10.08	10.21	10.59	11.07	12.24	12.62	12.75	13.13	13.61
	8H	9.71	10.05	10.24	10.57	11.07	12.45	12.79	12.98	13.31	13.81
	12H	10.37	10.66	10.89	11.16	11.74	13.21	13.51	13.73	14.01	14.59
12H	4H	9.60	10.02	10.09	10.51	10.99	11.68	12.11	12.18	12.60	13.07
	6H	9.98	10.04	10.23	10.51	11.06	12.48	12.53	12.72	13.00	13.55
	8H	9.73	10.02	10.25	10.52	11.10	12.42	12.71	12.94	13.21	13.79
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.3/-0.5					
S = 1.5H	1.0/-1.5					0.9/-0.8					
S = 2.0H	2.7/-2.0					1.3/-1.0					
标准表格	BK3					BK3					
更正系数	-3.6					-2.0					

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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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96
2	1.06	1.03	1.00	1.05	1.02	0.99	1.02	0.99	0.97	0.99	0.97	0.95	0.96	0.94	0.93	0.92
3	1.02	0.98	0.94	1.00	0.97	0.94	0.98	0.95	0.92	0.95	0.93	0.91	0.93	0.91	0.90	0.88
4	0.97	0.93	0.90	0.96	0.92	0.89	0.94	0.91	0.88	0.92	0.90	0.87	0.91	0.88	0.86	0.85
5	0.94	0.90	0.86	0.93	0.89	0.86	0.91	0.88	0.85	0.90	0.87	0.85	0.88	0.86	0.84	0.83
6	0.91	0.87	0.83	0.90	0.86	0.83	0.89	0.85	0.83	0.88	0.84	0.82	0.86	0.84	0.82	0.81
7	0.88	0.84	0.81	0.88	0.84	0.81	0.87	0.83	0.80	0.86	0.82	0.80	0.85	0.82	0.80	0.79
8	0.86	0.82	0.79	0.85	0.81	0.79	0.85	0.81	0.78	0.84	0.80	0.78	0.83	0.80	0.78	0.77
9	0.84	0.80	0.77	0.83	0.80	0.77	0.83	0.79	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
10	0.82	0.78	0.76	0.82	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.75	0.80	0.77	0.75	0.74

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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	33135.30	30579.93	25499.90	19383.92	13022.37	7712.13	4412.41	2559.20	1630.67
30.0	34102.19	32130.03	27525.78	20680.78	14234.82	8433.46	4696.34	2784.81	1772.64
60.0	33695.48	31462.42	26121.48	19529.72	11958.02	6800.49	3744.03	2287.55	1525.70
90.0	33442.25	32114.69	27349.28	20212.68	13022.37	6814.30	3944.31	2216.18	1524.78
120.0	33258.08	31892.15	27080.70	20373.83	12611.82	6979.28	3679.57	2169.37	1509.43
150.0	33035.54	32697.89	29321.44	23167.08	15900.03	9676.61	5225.83	2981.26	1845.54
180.0	33135.30	32728.59	29206.33	23427.99	15097.36	10535.31	6266.39	3566.00	2169.37
210.0	34102.19	32813.00	28339.20	21946.95	15214.00	9253.79	5350.15	3102.50	1994.41
240.0	33695.48	32567.44	28062.94	21762.78	14580.14	8471.83	4711.69	2834.69	1812.54
270.0	33442.25	31385.68	26489.82	19522.05	12117.63	6821.21	3744.79	2239.97	1519.86
300.0	33258.08	31316.61	26658.64	19859.69	12700.07	7205.66	3959.66	2292.92	1554.70
330.0	33035.54	30342.05	25039.48	18770.02	12018.64	6976.98	3814.63	2224.62	1492.39
360.0	33135.30	30579.93	25499.90	19383.92	13022.37	7712.13	4412.41	2559.20	1630.67
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1173.32	923.15	745.89	620.04	531.79	457.36	398.27	350.31	308.64
30.0	1286.89	995.29	802.68	663.78	565.56	485.75	422.06	389.06	328.67
60.0	1163.27	931.90	758.47	631.32	536.01	466.79	407.09	359.06	316.85
90.0	1141.09	919.32	746.66	616.97	522.58	452.75	396.73	348.31	305.65
120.0	1132.03	893.53	722.56	601.62	506.31	439.17	383.53	337.42	299.12
150.0	1297.63	988.38	791.93	643.06	536.40	459.66	397.50	351.84	308.95
180.0	1465.92	1083.00	836.52	676.98	567.86	482.91	418.30	364.43	321.61
210.0	1401.23	1065.73	837.67	691.48	578.52	494.04	429.65	375.02	332.50
240.0	1316.82	1016.77	811.88	669.92	570.93	490.35	427.43	389.06	332.50
270.0	1154.13	914.18	750.95	625.72	533.48	462.27	405.63	354.14	310.56
300.0	1148.76	908.57	743.59	616.20	522.58	450.45	395.97	349.23	309.87
330.0	1125.82	884.25	718.65	604.46	512.53	444.54	388.14	340.10	300.58
360.0	1173.32	923.15	745.89	620.04	531.79	457.36	398.27	350.31	308.64
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	272.50	243.72	217.17	196.14	178.65	164.53	152.40	141.35	131.60
30.0	291.37	260.68	233.36	210.26	191.69	174.96	160.69	148.49	137.51
60.0	281.32	250.32	224.53	201.67	181.94	166.14	152.17	139.66	128.46
90.0	266.66	235.05	210.87	190.92	173.04	158.62	146.95	134.83	123.70
120.0	266.82	239.81	215.02	194.38	175.27	159.77	147.11	135.83	125.16
150.0	276.79	247.94	224.30	202.66	183.79	169.05	155.93	144.11	133.60
180.0	284.31	253.00	227.76	205.73	188.08	171.74	159.38	147.57	137.13
210.0	295.59	264.74	236.97	214.02	193.76	177.88	163.76	150.71	140.20
240.0	295.29	262.83	235.28	211.49	191.77	173.81	159.08	145.80	134.44
270.0	274.49	241.34	216.25	194.38	175.73	161.23	149.41	137.13	126.00
300.0	275.26	245.64	219.78	197.83	179.80	163.60	150.87	138.66	127.38
330.0	268.89	239.73	215.02	195.14	177.19	162.38	149.79	138.66	128.77
360.0	272.50	243.72	217.17	196.14	178.65	164.53	152.40	141.35	131.60
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	122.93	115.03	107.13	100.07	92.93	86.25	79.19	72.13	65.00
30.0	128.15	120.09	112.65	105.13	98.22	90.70	82.72	74.82	66.92
60.0	119.56	110.35	99.91	87.17	74.97	64.23	54.87	46.58	38.52
90.0	110.96	97.61	85.72	75.74	67.68	59.63	52.18	44.28	36.22
120.0	116.03	107.82	97.76	85.79	74.28	64.77	55.86	47.88	39.90
150.0	125.01	117.26	110.04	103.29	96.31	89.40	82.03	74.82	66.92
180.0	127.77	119.71	112.34	104.59	97.15	90.01	83.41	76.35	69.14
210.0	130.91	122.86	114.72	107.74	100.45	93.16	85.72	77.58	69.91
240.0	124.55	115.72	106.74	96.08	83.72	71.21	61.24	51.87	42.97
270.0	116.03	102.83	90.01	78.73	69.45	61.08	53.03	45.35	37.29
300.0	118.41	110.50	101.60	91.39	79.81	67.76	58.17	48.73	40.67
330.0	121.17	113.73	106.59	99.84	92.78	85.87	78.58	71.29	63.69
360.0	122.93	115.03	107.13	100.07	92.93	86.25	79.19	72.13	65.00

测试设备: GMS1800
环境温度(°C): 25.0测试日期: 2021/4/8
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	57.17	49.88	42.05	35.30	28.39	21.64	14.27	8.06	2.46
30.0	57.86	46.50	33.61	22.25	13.89	7.75	3.91	2.30	1.46
60.0	30.85	23.10	15.88	9.67	7.52	4.99	3.30	2.76	1.15
90.0	28.47	21.33	14.66	10.74	8.98	5.76	4.14	3.45	1.46
120.0	31.92	24.25	16.88	10.97	8.13	5.91	3.53	2.99	1.23
150.0	58.86	48.19	35.07	24.48	16.11	9.44	4.37	2.76	1.69
180.0	62.00	54.56	46.81	39.44	32.92	26.09	18.88	12.74	5.37
210.0	61.39	50.49	36.76	25.09	15.88	9.21	4.30	2.84	1.69
240.0	35.38	27.32	19.80	12.89	8.36	6.68	4.07	3.45	2.15
270.0	30.00	21.79	15.27	10.67	8.90	6.22	4.53	3.68	2.00
300.0	32.92	25.17	18.03	11.66	7.90	6.22	3.84	3.38	1.92
330.0	55.79	44.97	32.38	21.33	12.97	7.29	3.84	2.30	1.46
360.0	57.17	49.88	42.05	35.30	28.39	21.64	14.27	8.06	2.46
C/γ(°)	90.0								
0.0	0.15								
30.0	0.15								
60.0	0.08								
90.0	0.00								
120.0	0.08								
150.0	0.15								
180.0	0.31								
210.0	0.31								
240.0	0.38								
270.0	0.31								
300.0	0.31								
330.0	0.15								
360.0	0.15								