

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3072A-48-UN(10-OL-48WN-AA, L450mm, C, CT)

报告编号:

电压(V): 220.5000

测试编号: 20210329006

电流(A): 0.2650

光源规格型号: OL

功率(W): 53.6000

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): 5058.99

灯具效能(lm/w): 94.38

中心光强(cd): 51575.340

最大光强(cd): 51575.340

最大光强角度: C=0.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=10.7

[C90/270]Total=10.9

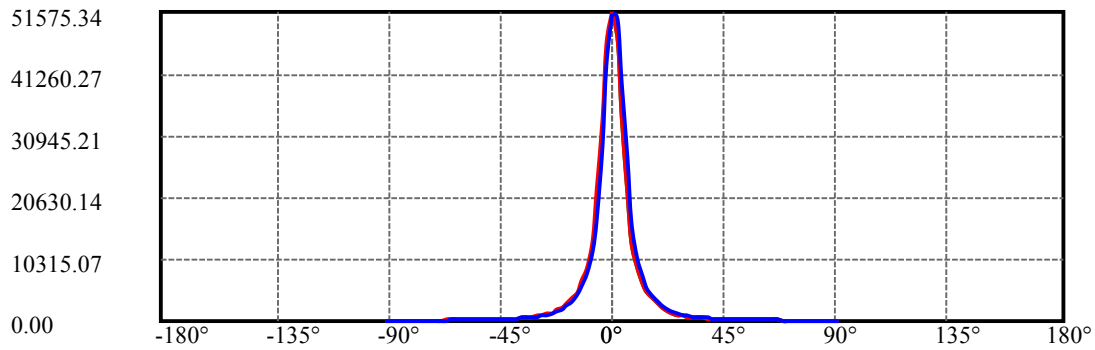
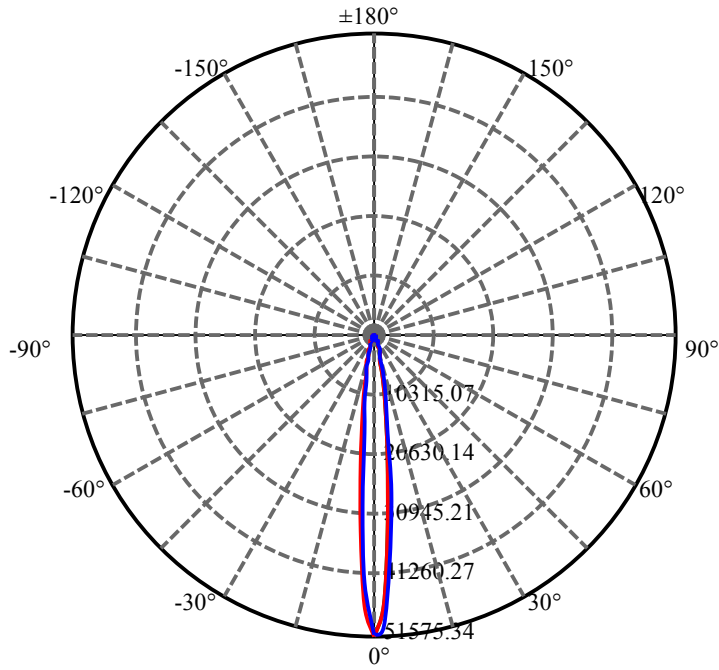
光束扩散角(10%Imax): [C0/180]Total=27.1

[C90/270]Total=27.4

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%

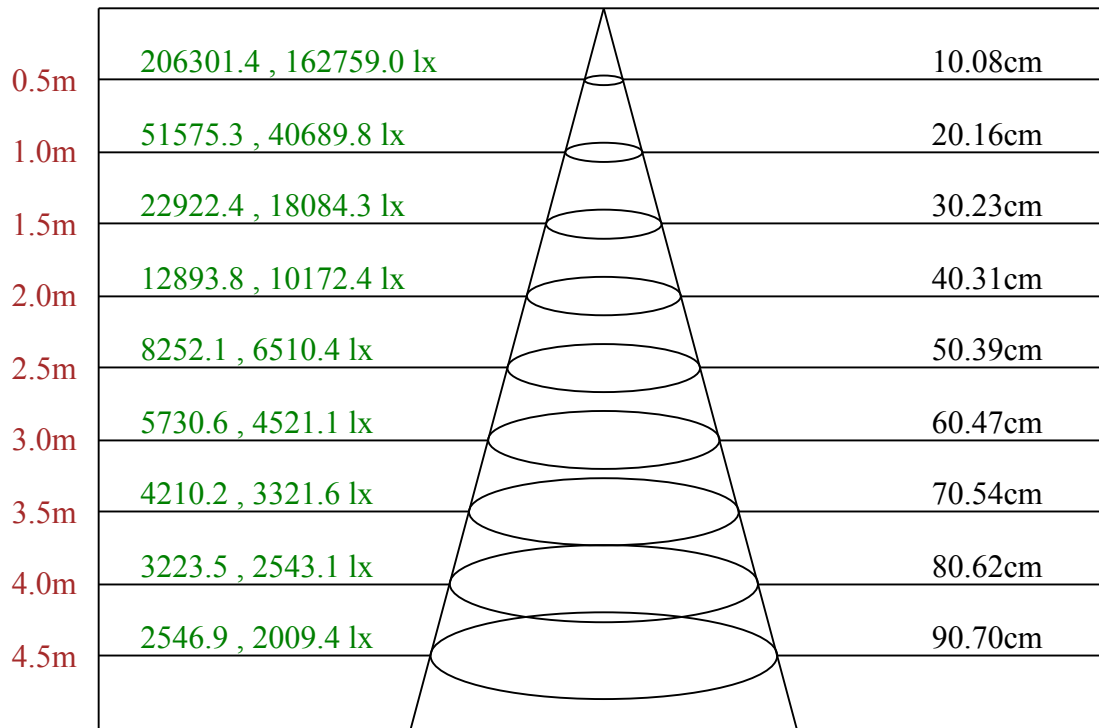
测试人员: anpeilou
测试距离(m): 8.76



C0(Max): ——
C0/C180: ——
C90/C270: ——

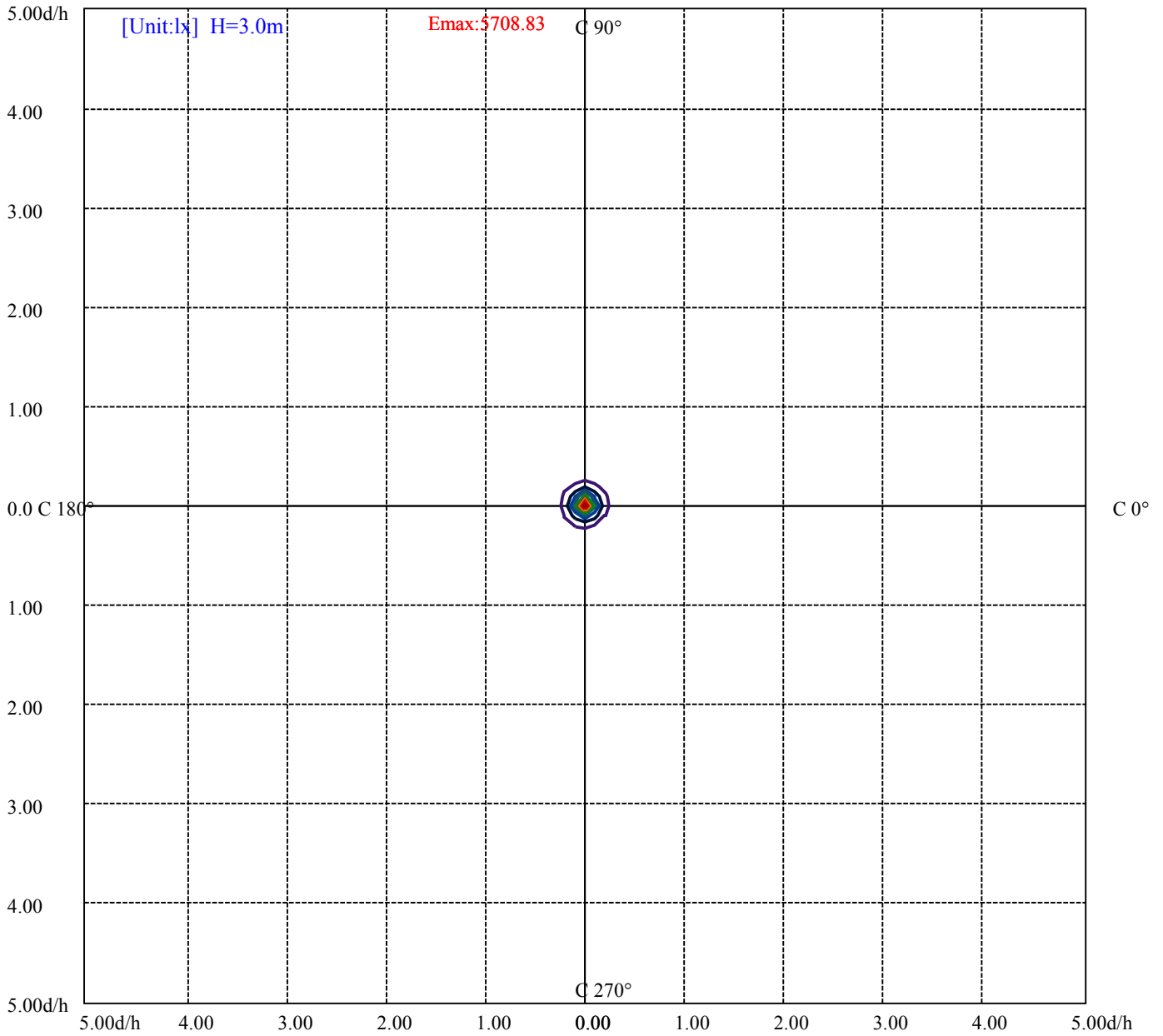
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照度距离图表



Max , Ave C0面光束角11.51

ROLED 投光灯
平面等照度曲线



- (10%Emax) 570.8834
- (20%Emax) 1141.767
- (30%Emax) 1712.644
- (40%Emax) 2283.533
- (50%Emax) 2854.411
- (60%Emax) 3425.3
- (70%Emax) 3996.178
- (80%Emax) 4567.067
- (90%Emax) 5137.944

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

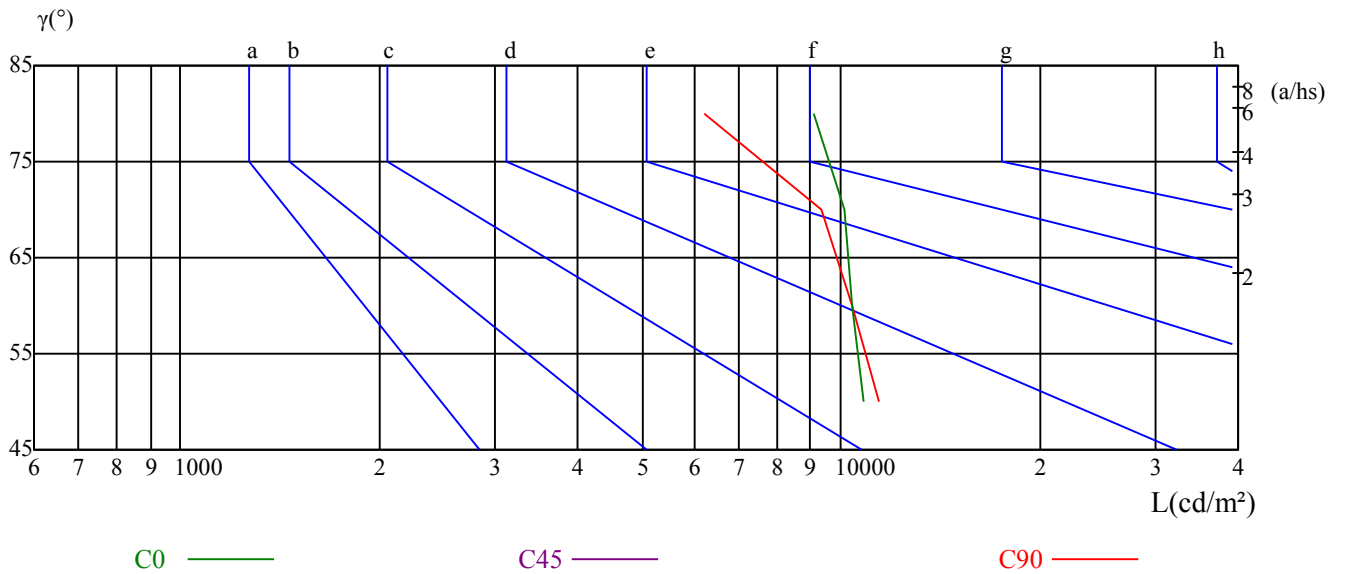
γ	45	50	55	60	65	70	75	80	85
C0	0	10815	0	10400	0	10121	0	9109	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11433	0	10442	0	9367	0	6205	0

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

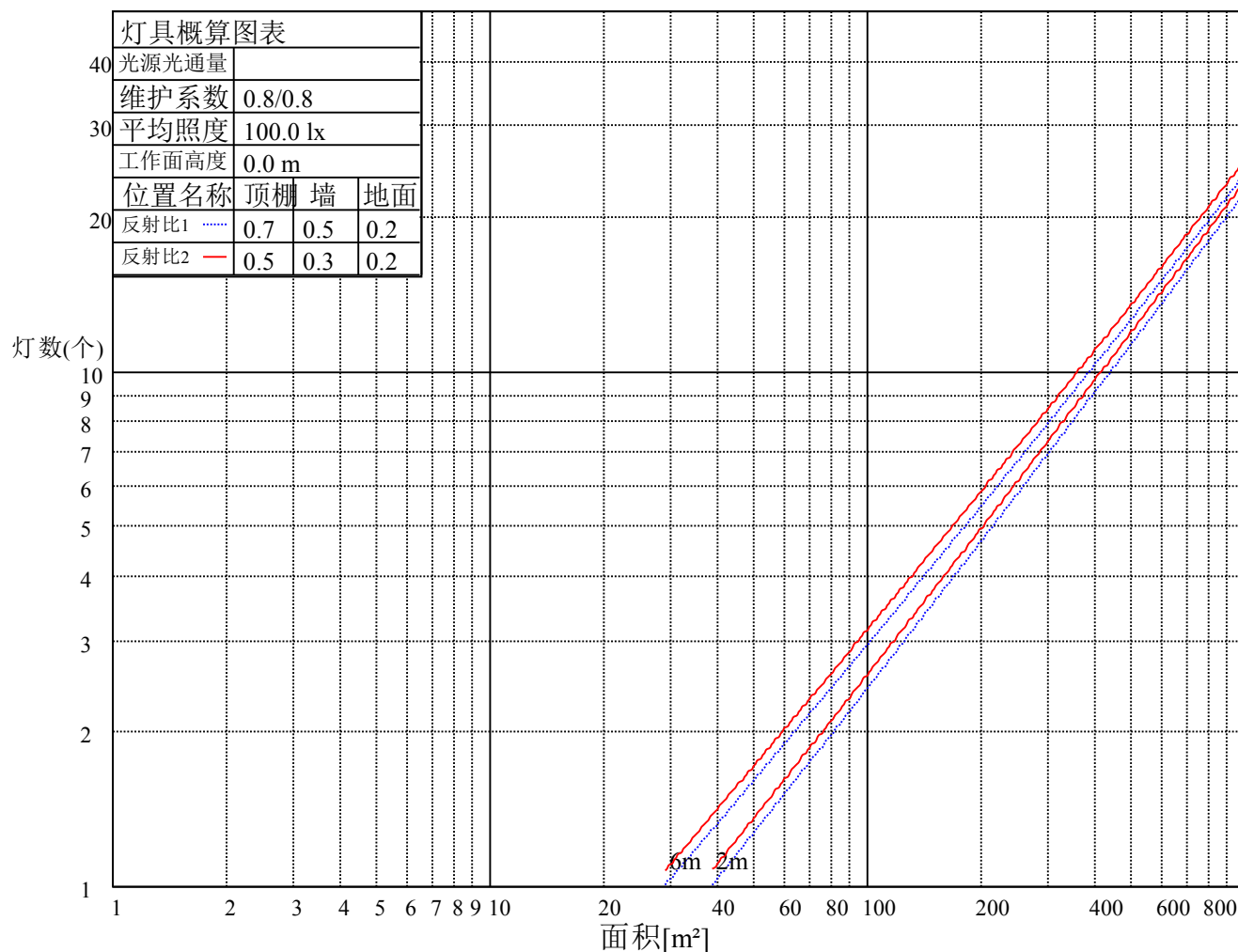
眩光等级表

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	10.74	11.82	11.10	12.14	12.45	11.00	12.09	11.37	12.40	12.72
	3H	12.46	13.43	12.85	13.76	14.13	12.89	13.86	13.28	14.19	14.56
	4H	13.05	13.95	13.46	14.30	14.69	13.62	14.51	14.02	14.87	15.26
	6H	13.37	14.19	13.78	14.56	14.96	14.15	14.97	14.57	15.35	15.74
	8H	13.42	14.19	13.85	14.59	14.99	14.31	15.09	14.75	15.48	15.89
	12H	13.45	14.19	13.88	14.57	15.00	14.49	15.23	14.92	15.61	16.04
4H	2H	11.32	12.22	11.72	12.57	12.96	11.53	12.43	11.93	12.78	13.17
	3H	13.21	13.94	13.62	14.35	14.76	13.63	14.37	14.05	14.78	15.18
	4H	13.90	14.56	14.34	14.98	15.43	14.47	15.13	14.90	15.55	16.00
	6H	14.24	14.81	14.71	15.26	15.73	15.00	15.57	15.47	16.02	16.49
	8H	14.31	14.84	14.79	15.29	15.77	15.21	15.73	15.68	16.18	16.66
	12H	14.35	14.80	14.84	15.29	15.77	15.39	15.84	15.88	16.33	16.81
8H	4H	14.15	14.68	14.63	15.13	15.61	14.65	15.18	15.13	15.63	16.11
	6H	14.60	15.02	15.10	15.52	16.00	15.32	15.74	15.82	16.24	16.72
	8H	14.71	15.09	15.24	15.61	16.10	15.58	15.96	16.11	16.48	16.97
	12H	15.29	15.61	15.81	16.11	16.69	16.26	16.58	16.78	17.08	17.66
12H	4H	14.16	14.62	14.65	15.10	15.58	14.64	15.09	15.13	15.58	16.06
	6H	14.99	15.00	15.16	15.47	16.02	15.69	15.69	15.85	16.16	16.71
	8H	14.78	15.10	15.30	15.60	16.18	15.62	15.95	16.14	16.44	17.02
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.2/-0.6					
S = 1.5H	0.8/-0.7					0.8/-0.7					
S = 2.0H	1.5/-0.8					0.8/-0.8					
标准表格	BK3					BK3					
更正系数	1.8					2.3					



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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	1.06	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	1.04	1.00	0.97	1.02	0.99	0.96	0.99	0.96	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.88
3	0.98	0.94	0.90	0.97	0.93	0.89	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.87	0.85	0.84
4	0.93	0.89	0.85	0.92	0.88	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.84	0.81	0.80
5	0.89	0.84	0.80	0.88	0.84	0.80	0.87	0.83	0.79	0.85	0.82	0.79	0.84	0.81	0.78	0.77
6	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.74
7	0.82	0.77	0.74	0.82	0.77	0.74	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.72
8	0.80	0.75	0.71	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.69
9	0.77	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.67
10	0.75	0.70	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.66

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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	51575.34	46472.29	33856.63	21194.93	13183.52	8840.17	6246.44	4650.30	3913.62
30.0	51253.04	48367.71	36703.59	23873.07	15124.98	9776.37	6898.71	5164.44	3898.27
60.0	51506.28	48505.84	37018.22	24256.76	14818.03	9845.43	6953.19	5201.27	3936.64
90.0	51160.96	50094.31	39681.01	27103.72	16774.84	10620.48	7466.57	5456.04	4105.46
120.0	51552.32	48820.46	37363.54	25146.91	15014.48	10184.61	7176.50	5277.24	3997.26
150.0	51176.31	49158.11	37877.68	24924.37	15493.32	10267.49	7236.36	5433.02	4113.14
180.0	51575.34	46288.12	33664.79	22085.08	13640.88	9069.62	6611.71	4898.16	3723.31
210.0	51253.04	44323.64	31147.79	20143.62	12700.07	8504.83	6139.78	4650.30	3520.72
240.0	51506.28	44523.16	31569.85	20212.68	12799.83	8732.74	6115.99	4642.62	3699.52
270.0	51160.96	42566.35	29190.98	16820.88	11750.83	7900.14	5726.16	4347.19	3299.72
300.0	51552.32	43916.93	31385.68	19522.05	12600.31	8441.14	6031.58	4527.52	3448.59
330.0	51176.31	43425.81	29950.69	19107.66	11938.07	8171.02	5825.92	4430.06	3358.80
360.0	51575.34	46472.29	33856.63	21194.93	13183.52	8840.17	6246.44	4650.30	3913.62
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2741.07	2170.14	1706.64	1359.02	1108.86	923.15	774.28	664.55	578.60
30.0	3048.78	2367.35	1852.45	1476.43	1205.55	988.38	828.00	710.59	613.13
60.0	3031.90	2346.64	1863.19	1493.54	1205.01	999.05	836.59	711.82	615.97
90.0	3152.38	2478.62	1942.23	1563.14	1262.33	1034.42	863.30	738.22	636.15
120.0	3080.25	2415.70	1893.88	1516.49	1234.78	1020.30	843.73	720.41	619.89
150.0	3166.19	2484.00	1937.62	1537.05	1237.01	1019.08	847.95	723.64	622.34
180.0	2912.96	2260.69	1778.01	1430.08	1169.25	961.98	813.19	690.56	595.10
210.0	2731.86	2163.23	1701.27	1392.40	1136.64	938.12	793.08	684.81	593.41
240.0	2739.53	2150.95	1698.20	1373.60	1126.51	932.36	785.79	681.43	591.65
270.0	2564.57	2013.59	1524.39	1311.98	1086.76	901.67	766.61	664.93	578.68
300.0	2687.35	2107.98	1682.09	1342.91	1097.35	906.27	769.68	661.48	573.23
330.0	2601.40	2056.57	1525.54	1319.96	1076.78	888.70	752.34	651.66	567.47
360.0	2741.07	2170.14	1706.64	1359.02	1108.86	923.15	774.28	664.55	578.60
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	508.00	452.75	409.01	380.16	344.09	318.61	296.97	279.25	263.06
30.0	538.70	480.38	436.64	397.50	368.42	340.10	317.16	297.90	279.63
60.0	545.14	484.83	438.33	398.11	363.43	334.50	312.02	289.99	269.43
90.0	556.35	497.26	446.61	409.01	375.02	343.17	316.39	295.21	274.72
120.0	546.14	484.67	435.49	396.96	361.82	332.12	308.10	287.23	266.74
150.0	544.07	484.21	438.17	398.27	366.81	339.33	315.85	296.74	277.71
180.0	521.28	465.41	417.99	379.70	348.47	320.84	298.82	280.17	264.90
210.0	524.73	472.86	427.58	391.36	359.52	333.73	312.09	292.60	275.79
240.0	521.05	469.63	422.82	388.29	356.60	328.74	306.11	287.00	267.43
270.0	514.45	462.96	422.06	386.37	355.53	329.82	307.33	287.23	268.50
300.0	508.77	457.36	414.38	388.29	350.46	323.99	303.11	283.62	264.51
330.0	507.24	455.82	413.23	378.93	349.16	325.52	304.88	287.31	270.12
360.0	508.00	452.75	409.01	380.16	344.09	318.61	296.97	279.25	263.06
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	249.40	235.58	221.62	208.88	195.68	181.10	167.29	154.01	139.05
30.0	263.13	247.71	233.13	217.78	203.51	189.70	174.19	157.77	140.12
60.0	251.70	233.74	216.48	198.75	184.09	168.67	153.32	138.97	123.32
90.0	256.46	241.03	225.22	209.72	194.84	179.95	163.30	145.72	128.69
120.0	248.09	231.06	213.33	196.52	181.25	166.98	152.02	136.98	122.63
150.0	262.14	246.86	232.59	217.32	203.28	189.31	173.96	157.93	140.35
180.0	250.47	236.43	223.38	210.03	197.22	182.25	168.98	154.70	140.58
210.0	260.68	245.41	229.75	215.02	200.90	187.01	171.97	155.32	137.97
240.0	249.55	233.51	214.94	198.29	183.33	168.59	153.48	138.43	123.16
270.0	252.93	237.04	222.16	207.65	192.23	176.11	159.46	141.35	124.55
300.0	247.17	231.13	213.02	196.45	182.56	167.29	153.09	137.36	122.17
330.0	254.77	240.65	225.38	211.03	196.99	183.33	168.52	153.32	135.83
360.0	249.40	235.58	221.62	208.88	195.68	181.10	167.29	154.01	139.05

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	124.39	109.96	94.39	79.88	63.54	48.57	32.31	16.35	3.22
30.0	122.70	105.67	88.86	72.06	57.40	41.52	23.79	9.29	2.99
60.0	110.04	95.00	76.89	59.39	44.28	27.24	12.51	6.98	3.30
90.0	112.42	94.77	76.28	59.16	43.28	25.78	12.35	7.29	3.84
120.0	109.04	95.00	76.66	60.24	44.43	28.62	13.12	6.98	3.22
150.0	123.39	106.67	88.86	72.52	57.55	41.82	23.94	10.36	2.99
180.0	125.70	110.04	95.23	79.42	63.46	47.65	32.23	16.19	3.53
210.0	119.56	101.60	83.49	67.91	52.49	36.07	20.49	7.06	2.15
240.0	108.97	94.92	76.05	59.32	44.12	26.47	12.82	6.60	3.61
270.0	108.89	89.86	72.06	56.33	38.29	21.87	13.51	5.68	3.76
300.0	108.12	95.00	76.43	58.70	44.12	26.24	12.43	6.60	3.38
330.0	118.02	100.53	82.65	66.99	52.26	35.61	20.11	6.91	2.07
360.0	124.39	109.96	94.39	79.88	63.54	48.57	32.31	16.35	3.22
C/γ(°)	90.0								
0.0	0.46								
30.0	0.84								
60.0	1.00								
90.0	1.00								
120.0	0.92								
150.0	0.84								
180.0	0.46								
210.0	0.31								
240.0	0.23								
270.0	0.38								
300.0	0.23								
330.0	0.38								
360.0	0.46								