

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3083A-24-UN-RC-Y(40-XL-24RGBWH-AJ, L610mm, C, CT)

报告编号:

电压(V): 201.4000

测试编号: 20210227006

电流(A): 0.5040

光源规格型号: XL

功率(W): 100.1000

每个光源光通量(lm)

功率因数: 0.9860

光源数量: 24

镇流器型号:

发光面长度(mm): 550

发光面宽度(mm): 105

测试模式: C

发光面高度(mm): 0

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## 光度结果

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灯具光通量(lm): 4744.43

灯具效能(lm/w): 47.40

中心光强(cd): 6708.401

最大光强(cd): 6931.708

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=42.5

[C90/270]Total=42.1

光束扩散角(10%Imax): [C0/180]Total=80.0

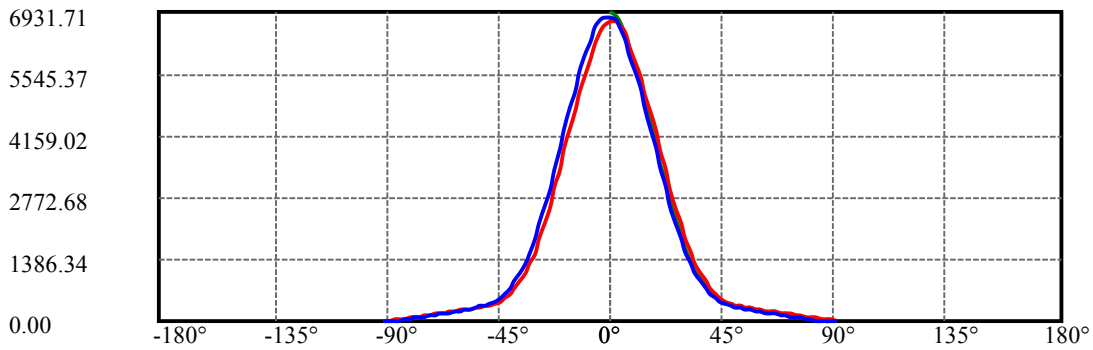
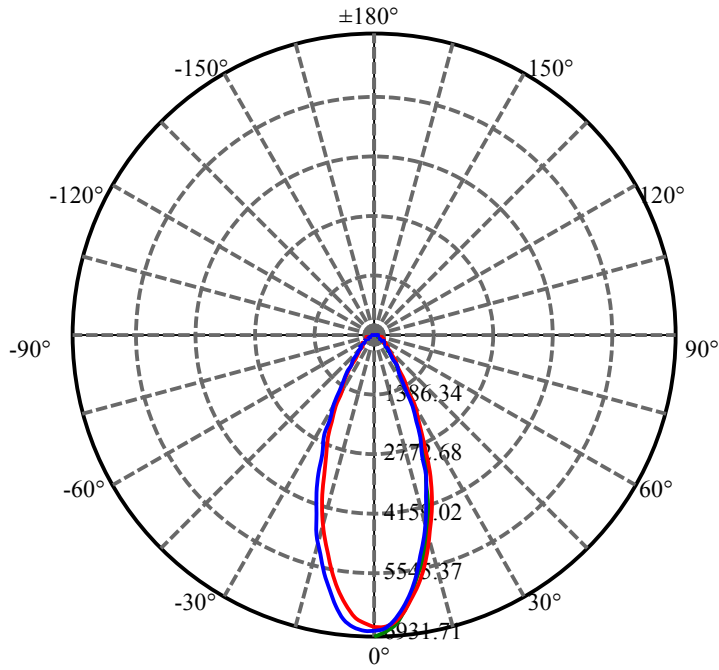
[C90/270]Total=79.7

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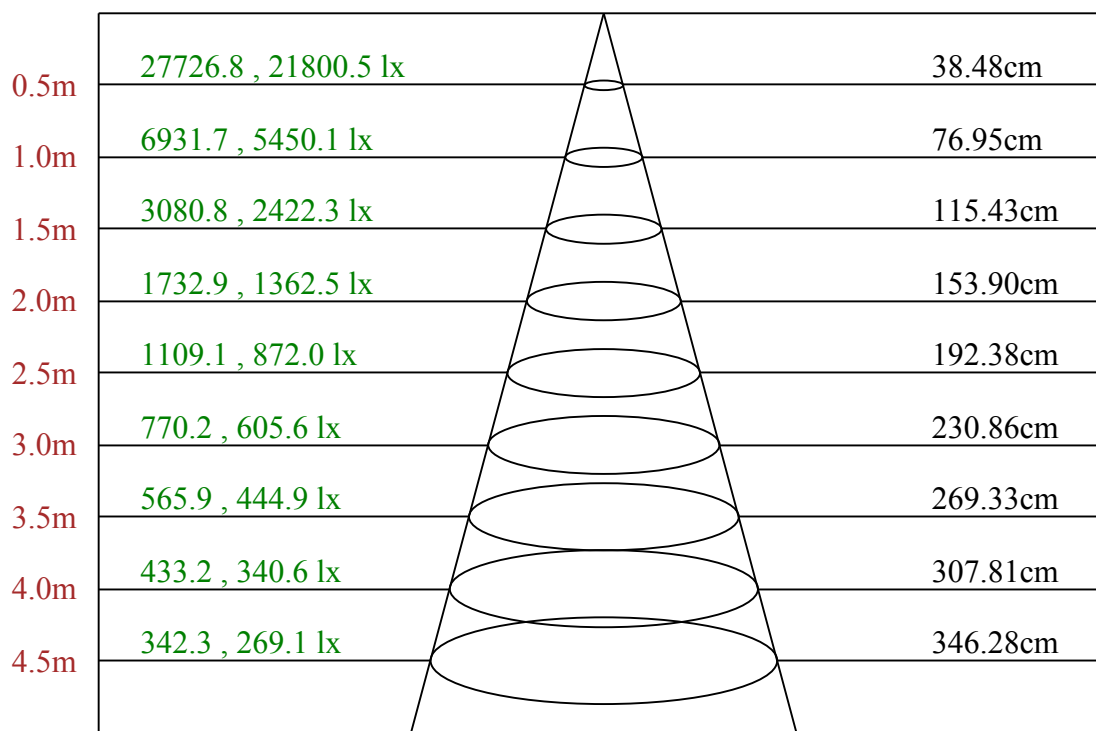
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/27  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

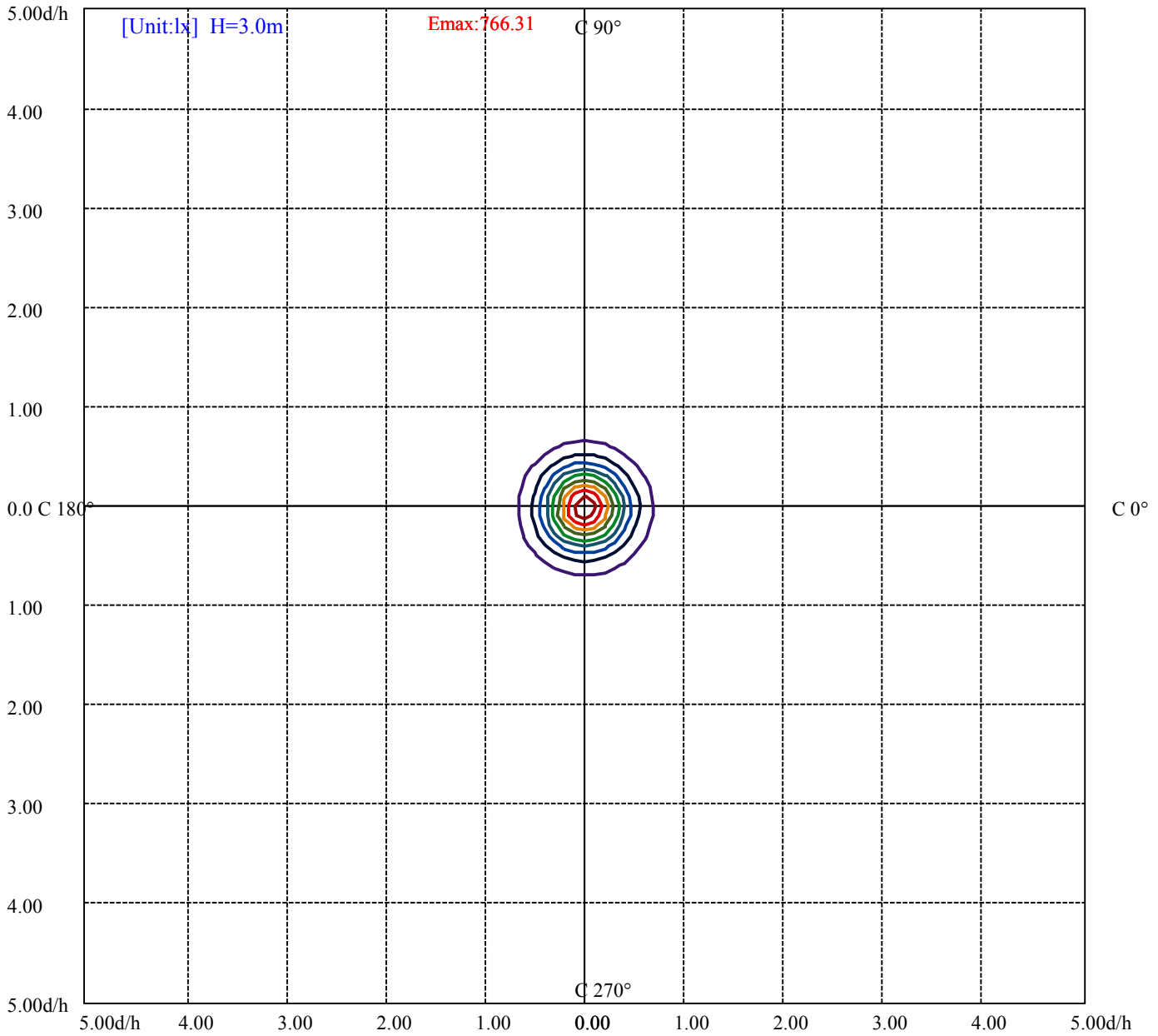


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角42.08

ROLED 投光灯  
平面等照度曲线



(10%Emax) 76.63089	—
(20%Emax) 153.2622	—
(30%Emax) 229.8922	—
(40%Emax) 306.5233	—
(50%Emax) 383.1544	—
(60%Emax) 459.7855	—
(70%Emax) 536.4156	—
(80%Emax) 613.0466	—
(90%Emax) 689.6778	—

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# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

附页 第 5页 共8页

亮度值表

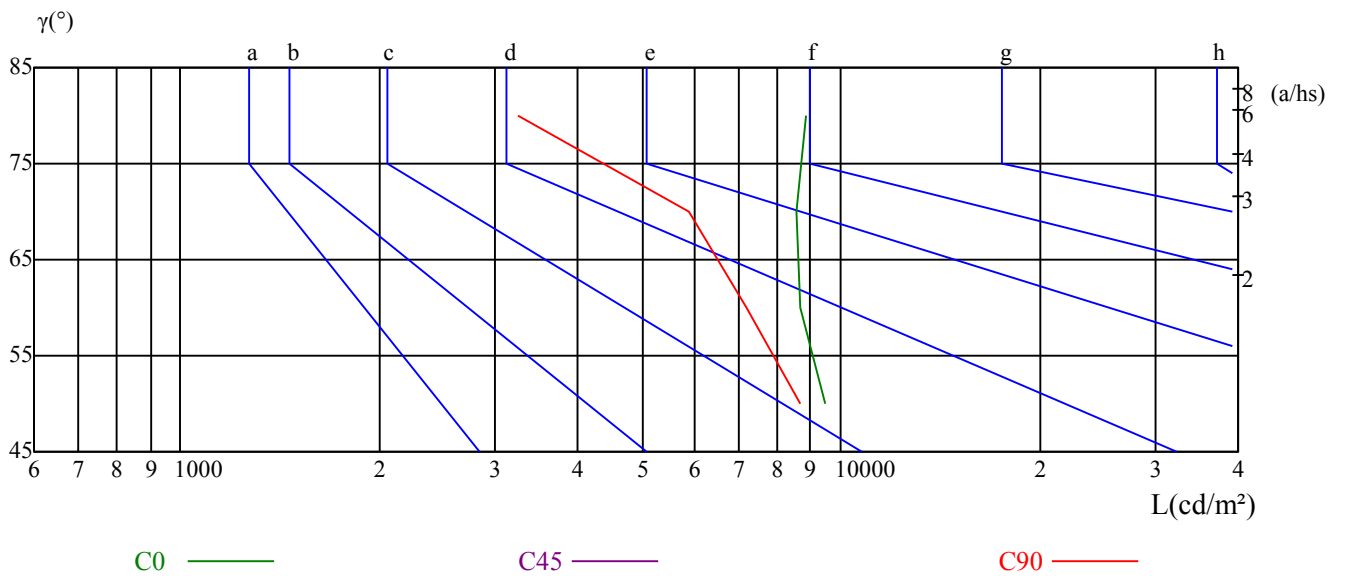
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	9466	0	8685	0	8543	0	8869	0
C45	0	0	0	0	0	0	0	0	0
C90	0	8684	0	7221	0	5878	0	3252	0

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



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测试日期: 2021/2/27  
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测试人员: anpeilou  
测试距离(m): 8.76

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	10.79	11.97	11.16	12.28	12.59	11.24	12.41	11.60	12.72	13.04
	3H	12.23	13.27	12.61	13.60	13.97	13.10	14.15	13.49	14.48	14.84
	4H	12.73	13.70	13.14	14.06	14.44	13.84	14.81	14.25	15.16	15.55
	6H	13.04	13.94	13.46	14.31	14.70	14.43	15.32	14.85	15.70	16.09
	8H	13.11	13.95	13.54	14.34	14.75	14.65	15.49	15.08	15.88	16.29
	12H	13.16	13.96	13.59	14.35	14.78	14.94	15.74	15.37	16.13	16.56
4H	2H	11.40	12.38	11.81	12.73	13.11	11.75	12.72	12.16	13.08	13.46
	3H	13.01	13.81	13.42	14.21	14.62	13.87	14.67	14.28	15.07	15.48
	4H	13.60	14.32	14.04	14.74	15.19	14.72	15.44	15.16	15.86	16.31
	6H	13.94	14.56	14.41	15.01	15.48	15.31	15.92	15.77	16.37	16.84
	8H	14.03	14.61	14.50	15.06	15.53	15.57	16.15	16.04	16.59	17.07
	12H	14.08	14.59	14.57	15.07	15.55	15.87	16.37	16.36	16.86	17.33
8H	4H	13.90	14.48	14.37	14.92	15.40	14.89	15.46	15.36	15.91	16.38
	6H	14.35	14.81	14.85	15.31	15.79	15.59	16.05	16.09	16.55	17.03
	8H	14.49	14.90	15.01	15.42	15.91	15.92	16.33	16.44	16.85	17.34
	12H	15.09	15.45	15.61	15.94	16.52	16.70	17.06	17.22	17.56	18.13
12H	4H	13.92	14.42	14.41	14.91	15.38	14.87	15.37	15.36	15.86	16.33
	6H	14.86	14.81	14.93	15.28	15.83	16.05	16.00	16.12	16.47	17.02
	8H	14.57	14.93	15.09	15.43	16.00	15.96	16.32	16.48	16.82	17.39
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-0.8					0.8/-0.7					
S = 1.5H	1.5/-1.1					1.3/-0.9					
S = 2.0H	3.1/-1.3					2.3/-0.9					
标准表格	BK3					BK3					
更正系数	1.5					2.8					

# ROLED 投光灯

## 光强数据表(cd)

附页 第7页 共8页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	6708.40	6702.26	6617.85	6445.19	6164.33	5831.29	5468.32	5069.29	4687.13
30.0	6931.71	6866.48	6704.56	6422.17	6092.20	5697.77	5307.94	4877.44	4456.92
60.0	6861.88	6775.16	6571.81	6282.51	5927.98	5549.66	5153.70	4729.34	4309.58
90.0	6817.37	6742.93	6577.18	6294.79	5952.54	5600.31	5192.83	4762.34	4317.26
120.0	6772.86	6692.29	6515.79	6235.70	5927.98	5562.71	5179.79	4756.96	4315.72
150.0	6741.40	6683.08	6531.90	6292.48	5972.49	5615.66	5223.53	4822.19	4384.02
180.0	6708.40	6642.41	6485.09	6209.61	5892.68	5528.18	5126.84	4732.41	4301.91
210.0	6931.71	6916.36	6832.72	6627.83	6315.50	5952.54	5551.20	5156.00	4724.73
240.0	6861.88	6867.25	6806.63	6632.43	6360.01	6015.46	5640.21	5225.06	4824.49
270.0	6817.37	6814.30	6744.47	6573.34	6290.18	5966.35	5587.26	5184.39	4779.99
300.0	6772.86	6772.86	6711.47	6561.06	6308.60	5981.70	5618.73	5219.69	4829.86
330.0	6741.40	6726.82	6640.87	6468.98	6193.49	5861.99	5492.88	5123.00	4710.15
360.0	6708.40	6702.26	6617.85	6445.19	6164.33	5831.29	5468.32	5069.29	4687.13
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4261.24	3836.88	3401.78	2967.44	2542.32	2188.56	1847.07	1537.82	1290.73
30.0	4005.70	3549.88	3126.29	2701.93	2303.66	1943.76	1636.81	1352.88	1131.11
60.0	3831.51	3407.92	2967.44	2549.22	2190.09	1845.54	1530.22	1279.37	1068.65
90.0	3881.39	3425.57	3005.04	2585.29	2197.00	1865.49	1538.59	1286.12	1062.05
120.0	3859.90	3433.24	2988.93	2565.34	2202.37	1855.52	1525.77	1290.96	1080.77
150.0	3928.97	3490.79	3042.65	2615.22	2223.86	1887.74	1573.12	1315.28	1093.51
180.0	3856.83	3415.59	2995.84	2574.55	2213.11	1863.96	1520.63	1298.40	1083.15
210.0	4286.56	3830.74	3379.52	2923.70	2532.34	2150.19	1791.06	1511.42	1249.44
240.0	4387.86	3925.90	3503.07	3061.06	2629.80	2249.95	1913.84	1588.47	1329.86
270.0	4325.70	3871.41	3418.66	2985.09	2569.17	2189.32	1849.38	1524.78	1286.81
300.0	4395.53	3961.19	3517.65	3074.88	2640.54	2259.92	1926.88	1606.12	1351.35
330.0	4261.24	3835.35	3384.90	2957.47	2541.55	2164.77	1812.54	1524.39	1278.06
360.0	4261.24	3836.88	3401.78	2967.44	2542.32	2188.56	1847.07	1537.82	1290.73
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1067.42	886.32	726.71	606.23	505.70	438.17	387.52	351.38	327.06
30.0	936.97	772.75	640.76	541.00	465.03	409.01	373.41	348.16	324.75
60.0	882.25	734.84	610.14	512.22	445.08	394.28	358.44	331.12	307.79
90.0	887.85	732.84	610.06	519.51	444.31	388.29	351.38	322.37	294.44
120.0	893.23	745.20	618.51	520.20	451.68	396.89	363.43	336.03	312.55
150.0	907.04	758.17	623.11	530.26	458.12	405.94	372.25	350.69	325.90
180.0	893.99	738.29	615.36	514.91	445.15	389.29	354.68	329.59	308.49
210.0	1039.33	860.08	713.81	597.02	506.93	440.24	391.59	363.28	341.25
240.0	1098.12	903.20	746.66	619.27	521.82	448.91	398.27	363.35	336.03
270.0	1058.90	886.93	735.53	616.20	520.89	447.23	392.13	354.45	324.68
300.0	1122.67	926.99	769.68	643.83	537.93	461.96	408.24	372.41	345.24
330.0	1056.37	886.24	735.38	608.30	517.13	451.45	398.50	367.34	344.94
360.0	1067.42	886.32	726.71	606.23	505.70	438.17	387.52	351.38	327.06
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	304.80	284.70	267.12	250.78	233.74	217.09	201.05	184.63	168.75
30.0	302.27	283.24	263.75	246.79	229.75	212.33	195.07	177.34	157.93
60.0	285.16	264.97	243.57	222.16	200.82	180.26	158.08	137.74	120.55
90.0	271.11	248.63	227.53	208.50	188.47	168.44	151.40	134.83	116.10
120.0	289.22	267.35	246.63	225.15	203.51	181.33	159.54	138.82	121.55
150.0	303.96	283.70	265.74	248.02	231.06	214.25	196.22	177.34	157.47
180.0	289.84	271.96	255.61	237.50	221.08	203.97	187.85	171.59	154.78
210.0	318.31	297.82	278.33	258.91	242.49	225.84	207.42	190.39	171.59
240.0	310.56	288.92	267.28	245.33	224.99	204.28	183.63	160.61	141.35
270.0	295.82	272.73	250.24	229.45	209.11	189.54	169.05	152.71	135.29
300.0	317.54	294.90	272.88	251.70	229.37	208.50	187.39	164.22	143.12
330.0	319.31	298.82	277.64	259.22	242.11	226.76	208.57	190.85	173.81
360.0	304.80	284.70	267.12	250.78	233.74	217.09	201.05	184.63	168.75

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## 光强数据表(cd)

附页 第 8页 共8页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	151.48	135.60	119.86	105.21	88.94	72.44	56.10	39.06	22.10
30.0	137.36	117.26	94.85	74.51	55.79	38.52	26.70	7.44	2.69
60.0	102.44	84.72	69.22	59.78	40.90	19.18	12.74	4.68	2.61
90.0	99.53	84.03	73.21	58.70	32.61	18.57	12.58	5.29	2.84
120.0	103.29	85.56	69.83	59.93	40.36	17.88	12.35	4.60	2.46
150.0	137.97	116.26	93.01	72.21	53.87	37.06	24.86	6.98	2.46
180.0	138.74	121.94	106.28	90.78	74.13	57.55	41.28	24.33	3.76
210.0	151.25	130.76	110.20	86.87	67.07	49.80	34.84	18.72	6.29
240.0	122.70	105.44	88.09	71.83	61.31	45.51	21.10	13.28	5.29
270.0	116.33	99.53	84.03	72.90	57.94	34.22	18.11	12.20	5.37
300.0	124.01	106.51	88.94	72.21	61.54	46.20	21.79	12.97	5.53
330.0	153.78	133.60	111.96	89.55	69.06	51.34	35.22	21.79	6.52
360.0	151.48	135.60	119.86	105.21	88.94	72.44	56.10	39.06	22.10

C/γ(°)	90.0
0.0	1.53
30.0	0.38
60.0	0.31
90.0	0.31
120.0	0.38
150.0	0.46
180.0	0.46
210.0	2.23
240.0	2.99
270.0	3.15
300.0	2.99
330.0	2.38
360.0	1.53