

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3313A-27-UN (60-OL-27WN-AA, P1)

报告编号:

电压(V): 220.3000

测试编号: 20210327002

电流(A): 0.1560

光源规格型号: OL

功率(W): 33.4000

每个光源光通量(lm)

功率因数: 0.9680

光源数量: 27

镇流器型号:

发光面长度(mm): 900

发光面宽度(mm): 40

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): 2690.49

灯具效能(lm/w): 80.55

中心光强(cd): 2586.057

最大光强(cd): 2668.934

最大光强角度:  $C=30.0$   $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=54.7

[C90/270]Total=53.8

光束扩散角(10%Imax): [C0/180]Total=101.5

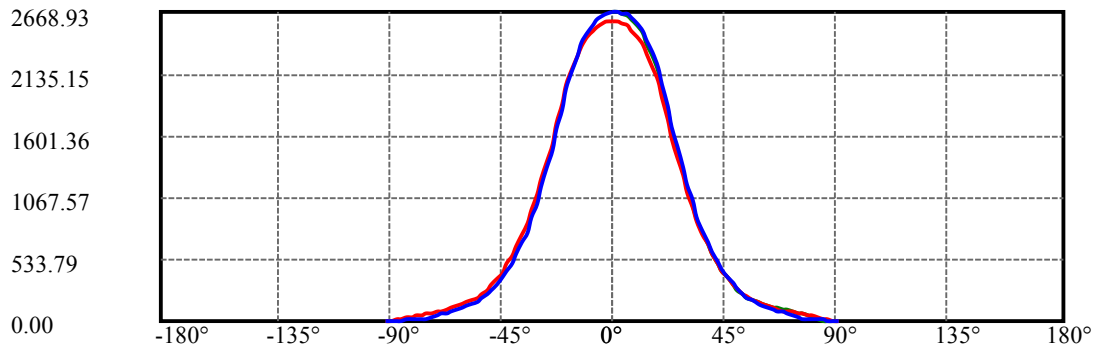
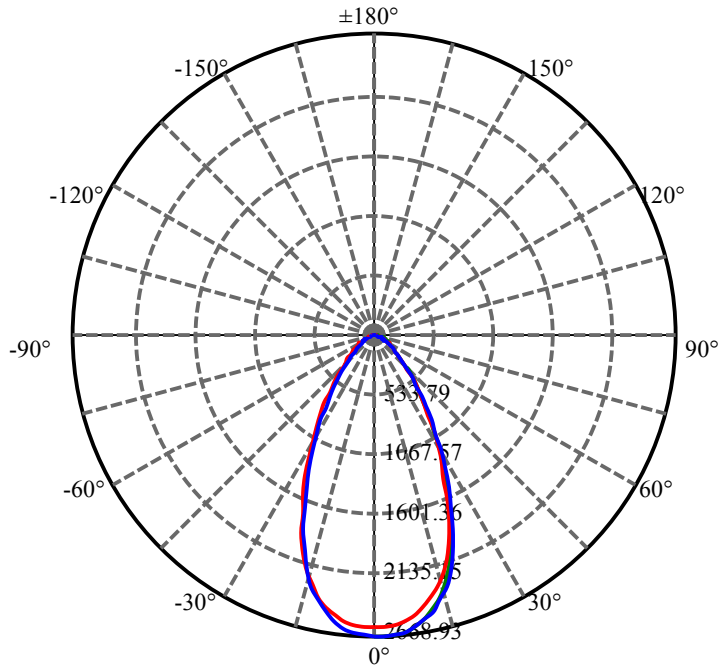
[C90/270]Total=98.8

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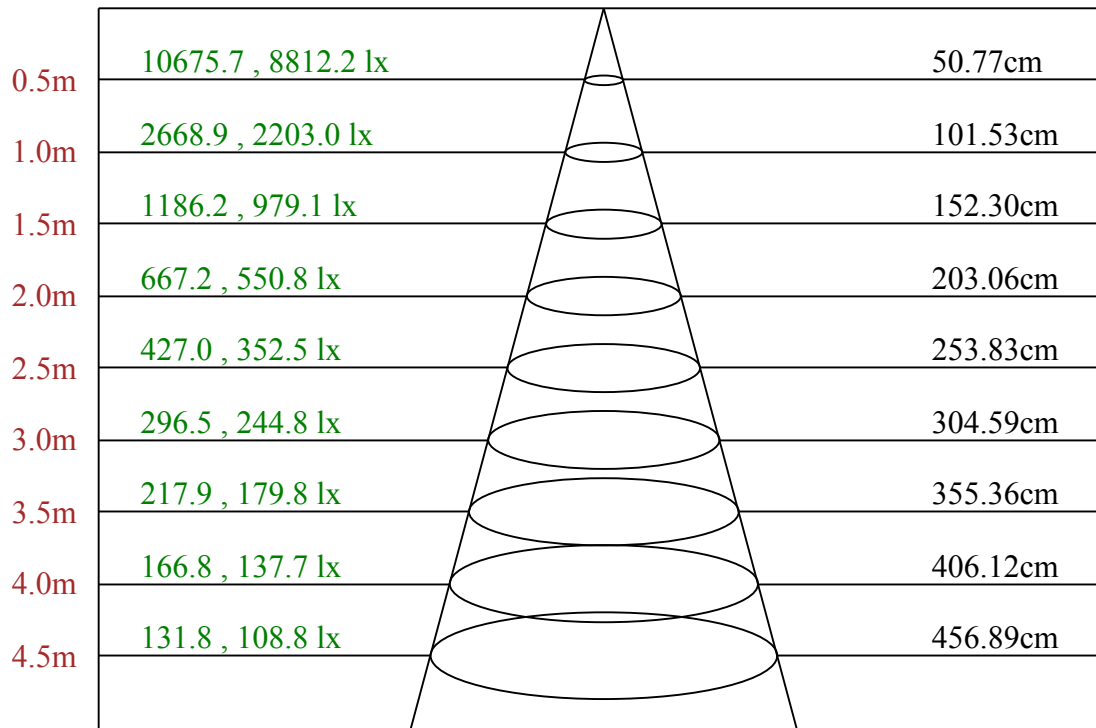
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/27  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

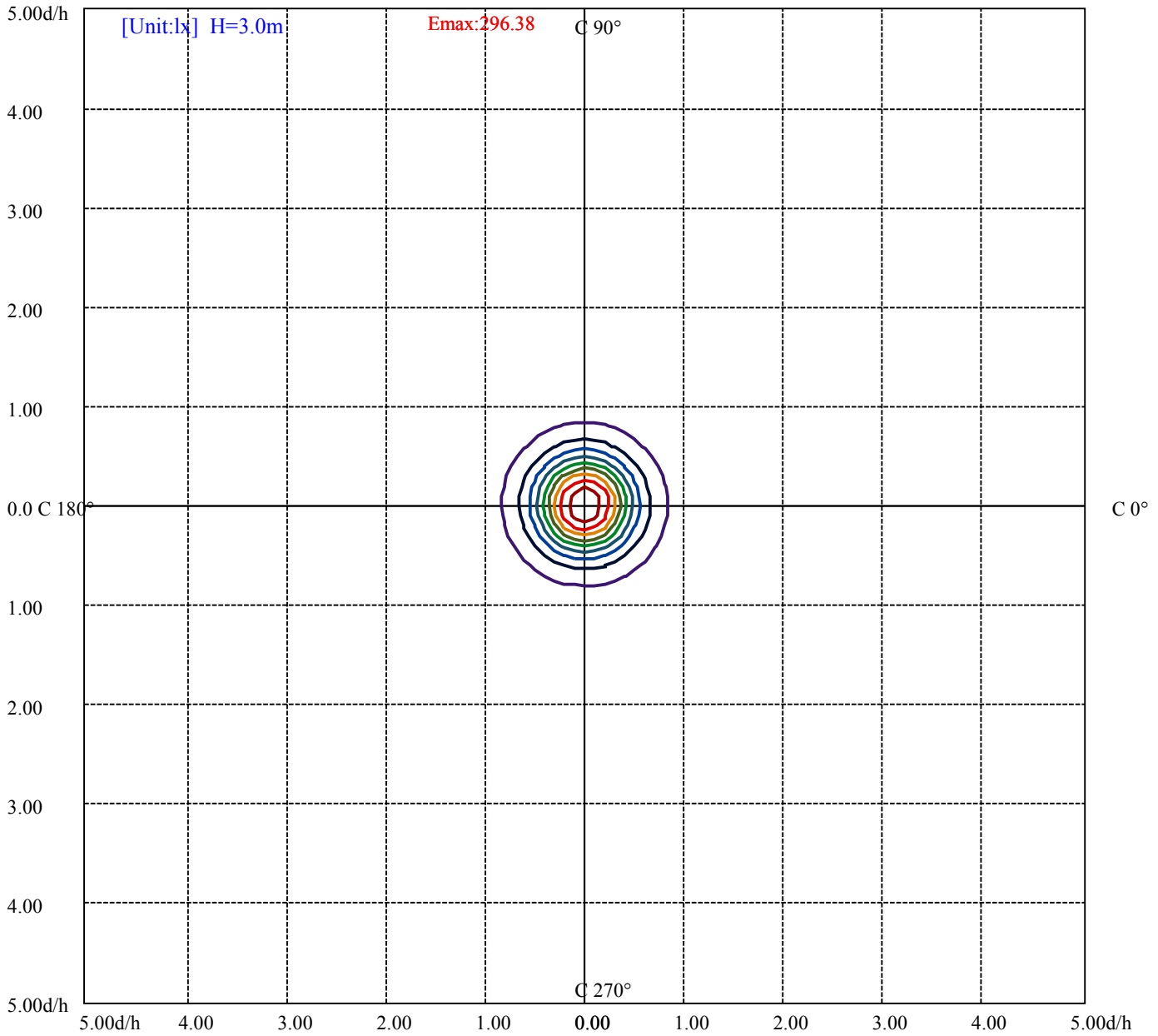


C30(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave    C30面光束角53.82

ROLED 投光灯  
平面等照度曲线



(10%Emax) 29.63778	——
(20%Emax) 59.27555	——
(30%Emax) 88.91333	——
(40%Emax) 118.5511	——
(50%Emax) 148.1889	——
(60%Emax) 177.8267	——
(70%Emax) 207.4644	——
(80%Emax) 237.1022	——
(90%Emax) 266.74	——

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测试人员: anpeilou  
测试距离(m): 8.76

# 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

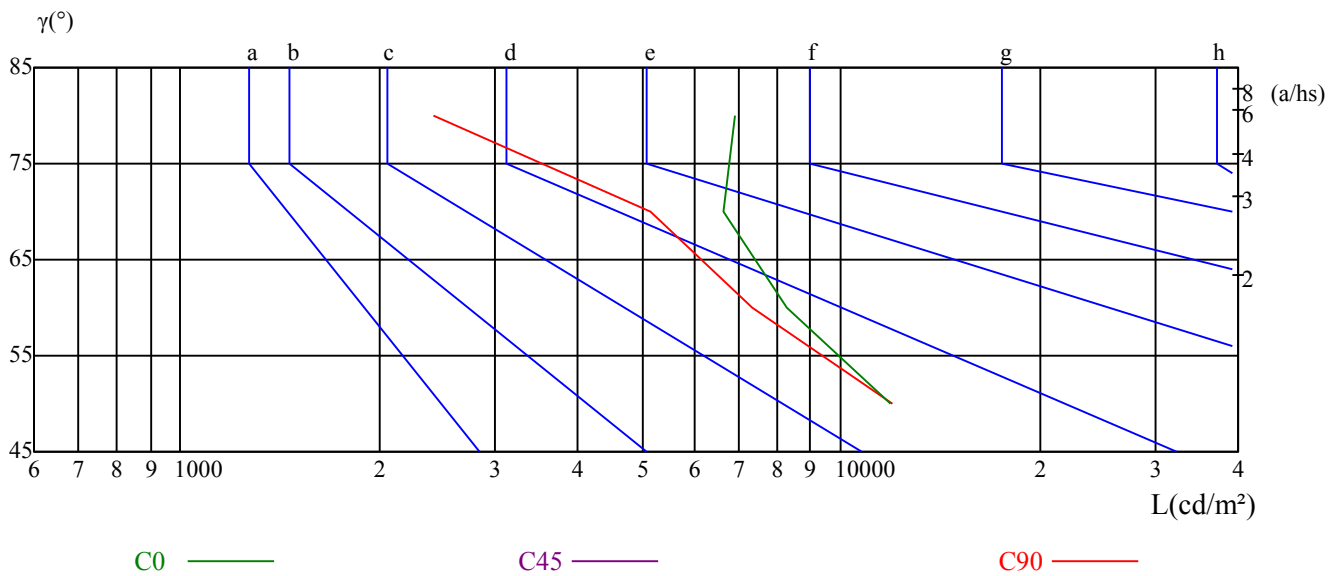
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	11928	0	8300	0	6625	0	6899	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11985	0	7345	0	5167	0	2418	0

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	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		a	b	c	d	e	f	g	h

亮度限制曲线



测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/27  
环境湿度(%): 60.0%

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	12.66	13.87	13.02	14.19	14.50	13.54	14.75	13.90	15.07	15.38
	3H	13.65	14.73	14.03	15.06	15.43	14.87	15.95	15.25	16.28	16.65
	4H	13.81	14.81	14.21	15.16	15.55	15.45	16.46	15.86	16.81	17.19
	6H	13.85	14.77	14.26	15.14	15.53	15.92	16.84	16.34	17.21	17.61
	8H	13.85	14.72	14.28	15.11	15.51	16.09	16.96	16.52	17.35	17.76
	12H	13.87	14.70	14.30	15.08	15.51	16.30	17.14	16.74	17.52	17.95
4H	2H	13.17	14.18	13.58	14.53	14.91	13.89	14.90	14.30	15.25	15.63
	3H	14.32	15.15	14.74	15.55	15.96	15.51	16.33	15.92	16.73	17.14
	4H	14.53	15.26	14.96	15.68	16.13	16.22	16.95	16.65	17.37	17.82
	6H	14.58	15.22	15.05	15.66	16.13	16.69	17.32	17.15	17.77	18.24
	8H	14.59	15.18	15.06	15.62	16.10	16.89	17.48	17.36	17.92	18.40
	12H	14.62	15.14	15.11	15.62	16.10	17.11	17.63	17.60	18.11	18.59
8H	4H	14.74	15.33	15.21	15.78	16.25	16.28	16.87	16.75	17.32	17.79
	6H	14.82	15.30	15.32	15.80	16.28	16.82	17.29	17.32	17.79	18.28
	8H	14.84	15.27	15.37	15.79	16.28	17.06	17.48	17.58	18.00	18.50
	12H	15.55	15.92	16.06	16.42	16.99	17.80	18.17	18.32	18.67	19.24
12H	4H	14.74	15.25	15.22	15.74	16.21	16.24	16.75	16.72	17.24	17.71
	6H	15.33	15.26	15.36	15.73	16.27	17.28	17.21	17.31	17.68	18.22
	8H	14.88	15.25	15.40	15.75	16.32	17.04	17.42	17.56	17.91	18.49
对应照射距离，改变观察者位置S											
S = 1.0H		1.0/-1.4					0.8/-1.1				
S = 1.5H		2.2/-2.2					1.5/-1.4				
S = 2.0H		4.3/-2.6					3.1/-1.7				
标准表格		BK2					BK2				
更正系数		2.0					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	2586.06	2582.99	2570.71	2546.92	2507.78	2459.44	2385.77	2303.66	2192.39
30.0	2668.17	2668.93	2660.49	2642.08	2605.24	2549.99	2484.00	2394.21	2281.41
60.0	2666.63	2668.93	2659.73	2638.24	2599.10	2546.92	2478.62	2389.61	2277.57
90.0	2664.33	2665.10	2660.49	2644.38	2612.15	2562.27	2501.65	2421.84	2322.85
120.0	2622.89	2619.82	2611.38	2592.20	2557.66	2502.41	2434.12	2349.71	2247.64
150.0	2625.19	2622.89	2612.15	2592.20	2556.90	2506.25	2440.26	2355.08	2243.81
180.0	2586.06	2582.22	2566.11	2542.32	2500.11	2447.93	2378.10	2283.71	2171.67
210.0	2668.17	2662.03	2644.38	2611.38	2566.11	2500.11	2416.47	2311.34	2172.44
240.0	2666.63	2659.73	2642.84	2612.92	2565.34	2502.41	2417.23	2309.80	2173.21
270.0	2664.33	2655.89	2640.54	2606.78	2556.13	2487.07	2402.65	2292.92	2154.02
300.0	2622.89	2616.75	2605.24	2574.55	2531.57	2467.88	2388.84	2295.22	2166.30
330.0	2625.19	2619.05	2602.94	2576.08	2531.57	2468.65	2392.68	2291.38	2169.37
360.0	2586.06	2582.99	2570.71	2546.92	2507.78	2459.44	2385.77	2303.66	2192.39
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2065.78	1916.91	1748.08	1579.26	1415.04	1256.19	1108.86	984.54	863.30
30.0	2147.89	1995.18	1816.38	1634.51	1465.69	1296.87	1141.86	999.89	877.88
60.0	2151.72	1992.88	1817.15	1644.49	1473.59	1313.21	1155.90	1010.79	881.25
90.0	2192.39	2038.92	1860.12	1675.18	1503.29	1332.93	1182.53	1036.72	902.43
120.0	2117.96	1973.69	1804.10	1629.14	1463.69	1309.14	1156.21	1015.32	894.68
150.0	2117.19	1962.18	1800.26	1625.30	1453.41	1290.73	1140.32	1006.80	875.58
180.0	2033.55	1871.63	1699.74	1526.77	1378.44	1232.56	1092.13	959.83	841.96
210.0	2027.41	1850.91	1674.41	1507.89	1349.12	1188.74	1046.01	921.31	799.99
240.0	2015.13	1855.52	1671.34	1498.69	1336.77	1180.22	1033.66	912.41	795.77
270.0	2004.39	1830.19	1649.86	1478.81	1320.12	1153.83	1018.15	888.01	770.37
300.0	2025.11	1857.05	1687.46	1511.73	1359.02	1202.48	1055.14	935.43	818.02
330.0	2022.04	1860.89	1693.60	1530.22	1365.62	1205.93	1070.11	939.19	818.10
360.0	2065.78	1916.91	1748.08	1579.26	1415.04	1256.19	1108.86	984.54	863.30
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	753.56	662.25	574.76	496.49	428.20	387.52	318.31	276.03	238.27
30.0	763.54	666.08	574.76	495.72	429.73	389.06	318.15	273.49	237.89
60.0	771.83	668.08	576.99	501.33	431.34	371.03	319.38	276.26	237.27
90.0	785.03	684.50	590.11	508.77	439.71	388.29	325.90	277.33	235.66
120.0	781.88	684.19	587.27	510.69	440.17	378.93	328.82	282.70	240.50
150.0	755.87	658.41	569.39	495.72	427.43	382.46	339.64	295.67	256.00
180.0	741.98	646.44	561.72	489.89	422.36	362.82	311.09	269.12	232.98
210.0	697.01	604.54	524.19	453.06	390.44	337.11	290.91	250.86	216.94
240.0	689.87	603.92	520.28	446.61	388.29	334.81	287.31	249.17	212.49
270.0	674.91	584.13	505.39	435.87	374.56	318.69	273.49	232.90	198.29
300.0	711.36	619.27	541.00	466.56	407.48	351.92	302.65	260.75	208.42
330.0	719.26	626.03	544.53	472.01	408.01	350.77	305.49	264.05	228.14
360.0	753.56	662.25	574.76	496.49	428.20	387.52	318.31	276.03	238.27
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	208.27	184.86	165.68	149.41	131.68	109.43	97.99	89.63	81.57
30.0	207.04	183.48	163.37	147.41	134.60	123.85	112.65	101.45	91.39
60.0	204.74	177.03	154.63	136.59	121.25	108.20	95.46	83.34	70.68
90.0	201.59	174.96	151.86	132.22	116.56	101.68	88.86	75.89	63.62
120.0	198.83	172.97	151.48	134.90	120.02	106.74	95.08	82.95	70.68
150.0	225.38	200.29	180.33	164.99	153.17	140.81	126.16	102.14	89.40
180.0	205.50	182.25	163.22	147.87	134.83	108.43	96.92	88.09	80.34
210.0	191.54	169.97	153.17	139.43	127.54	116.49	104.98	94.54	83.80
240.0	182.87	159.69	140.74	124.47	110.66	98.07	85.41	72.98	60.01
270.0	172.05	149.18	129.38	113.34	99.22	85.72	73.90	61.24	47.50
300.0	177.80	155.39	137.51	121.86	108.51	95.85	84.26	72.21	59.55
330.0	200.98	178.26	160.15	146.19	134.60	122.17	102.44	91.70	81.50
360.0	208.27	184.86	165.68	149.41	131.68	109.43	97.99	89.63	81.57

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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	74.67	67.30	59.78	51.64	43.13	34.30	24.86	15.50	6.14
30.0	80.96	70.21	58.32	45.35	30.54	15.65	6.75	3.99	3.07
60.0	57.63	44.81	30.46	18.03	13.28	9.82	7.98	6.60	3.84
90.0	50.11	36.53	23.94	17.96	15.12	10.82	10.21	7.98	4.53
120.0	58.09	45.35	31.23	18.80	13.28	9.75	7.90	6.60	3.84
150.0	79.04	68.45	57.40	44.28	30.85	16.04	7.44	4.22	2.99
180.0	72.67	65.15	57.55	49.34	41.13	32.92	23.48	14.35	5.29
210.0	73.90	62.46	49.80	35.07	20.72	8.52	5.22	3.61	1.84
240.0	47.19	33.99	21.03	14.20	10.97	7.98	7.14	4.53	1.61
270.0	34.07	21.95	17.34	14.20	10.67	10.13	7.67	4.22	0.84
300.0	47.19	33.92	20.64	14.50	11.05	8.13	7.06	4.53	1.38
330.0	71.90	60.32	48.11	34.30	20.26	8.44	5.14	3.68	1.69
360.0	74.67	67.30	59.78	51.64	43.13	34.30	24.86	15.50	6.14
C/γ(°)	90.0								
0.0	0.38								
30.0	0.69								
60.0	1.00								
90.0	1.15								
120.0	1.07								
150.0	0.84								
180.0	0.31								
210.0	0.23								
240.0	0.15								
270.0	0.15								
300.0	0.15								
330.0	0.23								
360.0	0.38								