

浙大三色

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ROLED

灯具名称: 投光灯

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

报告编号:

电压(V): 220.3000

测试编号: 20210401011

电流(A): 0.4670

光源规格型号: XL

功率(W): 101.1000

每个光源光通量(lm)

功率因数: 0.9820

光源数量: 24

镇流器型号:

发光面长度(mm): 550

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): 4653.12

灯具效能(lm/w): 46.02

中心光强(cd): 6623.222

最大光强(cd): 6816.602

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=42.5

[C90/270]Total=42.2

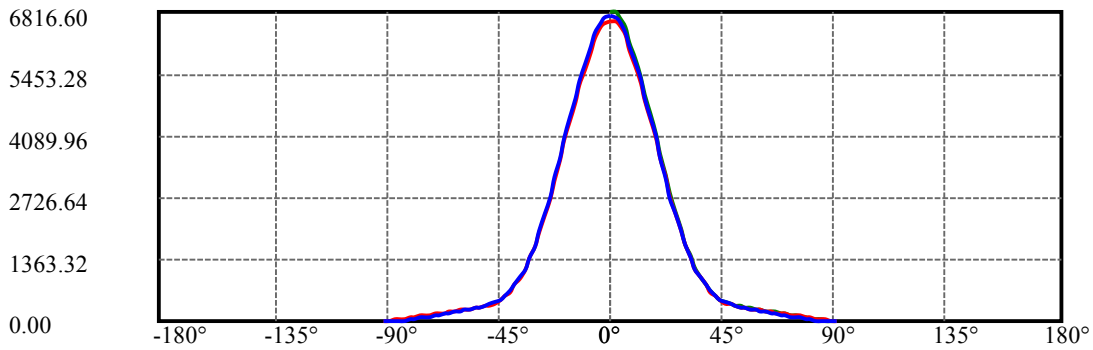
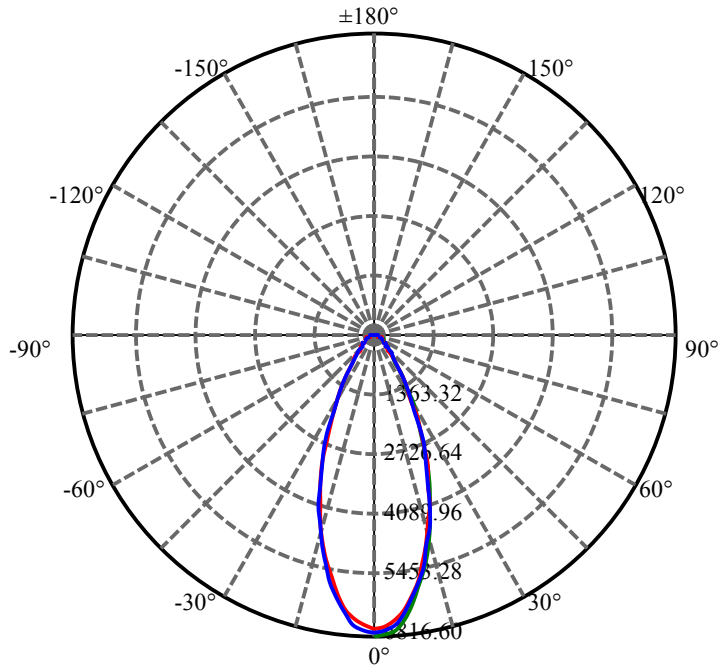
光束扩散角(10%Imax): [C0/180]Total=79.6

[C90/270]Total=79.6

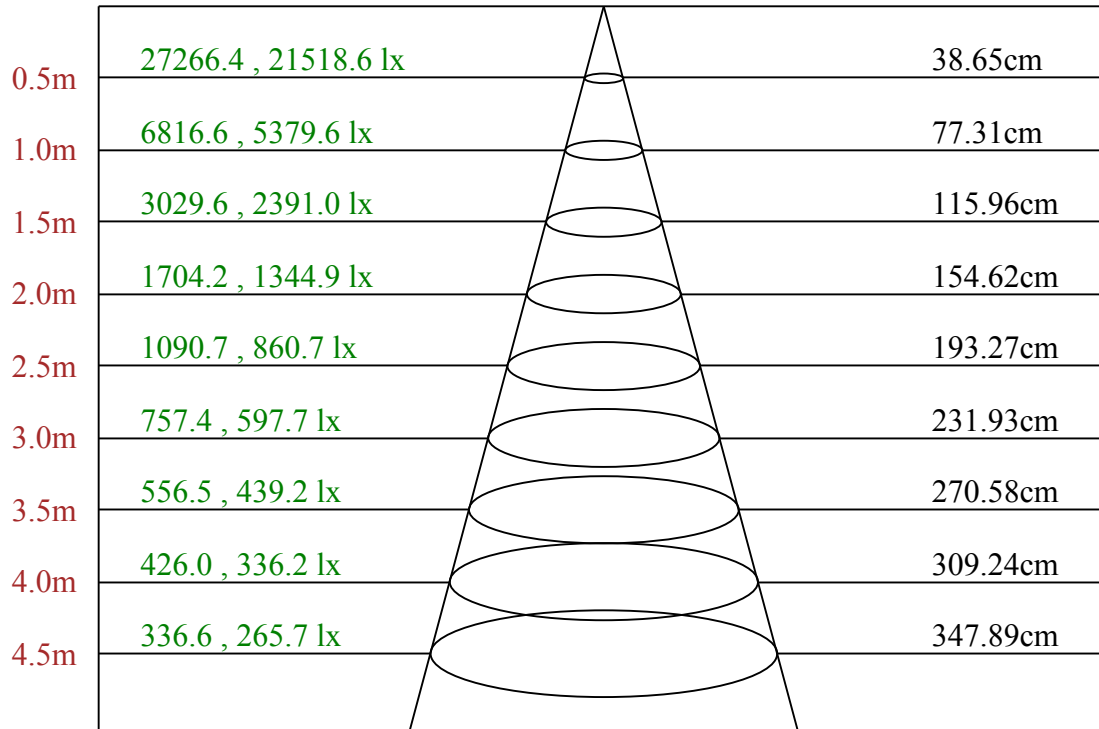
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/1
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

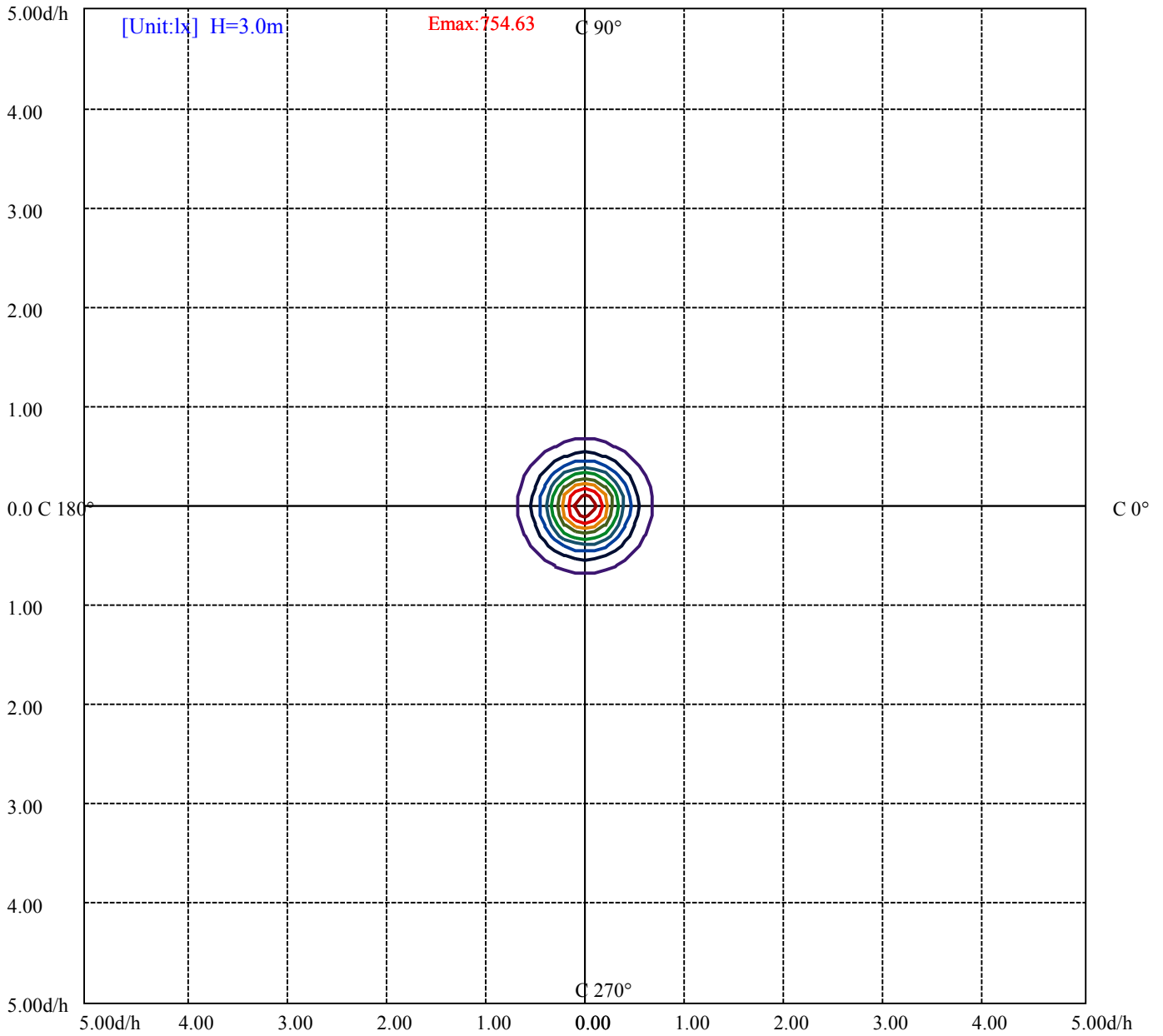


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角42.27

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平面等照度曲线



(10%Emax) 75.46278	——
(20%Emax) 150.9256	——
(30%Emax) 226.3889	——
(40%Emax) 301.8511	——
(50%Emax) 377.3145	——
(60%Emax) 452.7767	——
(70%Emax) 528.24	——
(80%Emax) 603.7022	——
(90%Emax) 679.1656	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

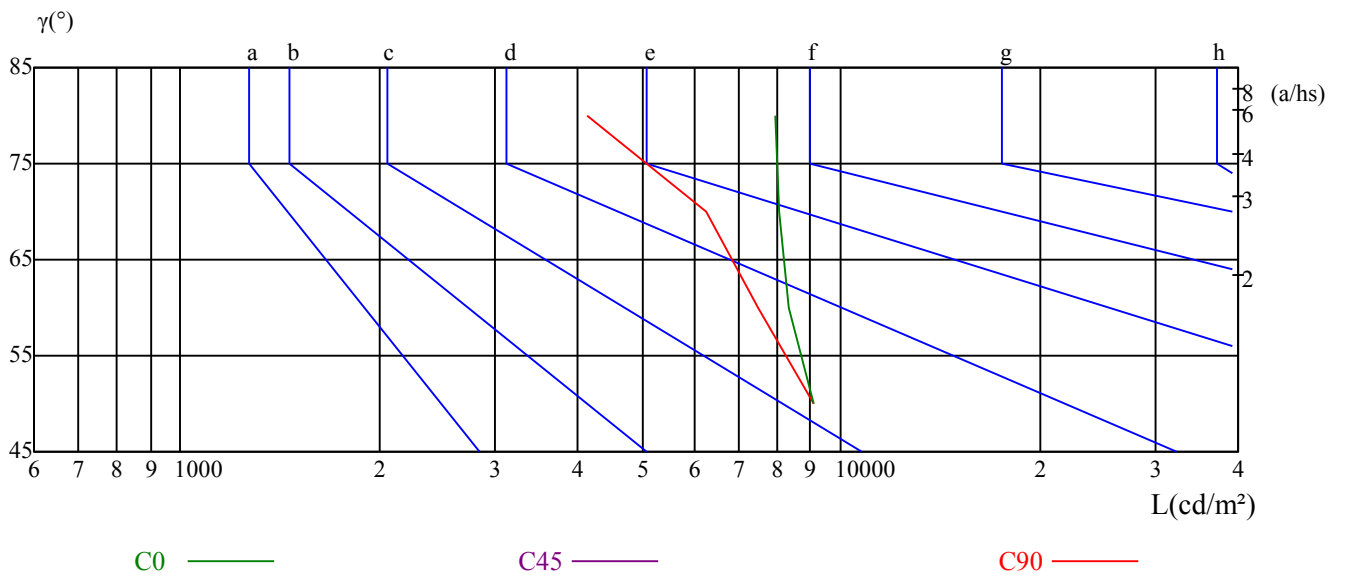
γ	45	50	55	60	65	70	75	80	85
C0	0	9116	0	8331	0	8064	0	7972	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9108	0	7518	0	6238	0	4127	0

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	10.88	12.05	11.25	12.36	12.68	11.21	12.37	11.57	12.69	13.00
	3H	12.27	13.31	12.65	13.64	14.00	13.06	14.09	13.44	14.43	14.79
	4H	12.72	13.69	13.13	14.04	14.43	13.79	14.76	14.19	15.11	15.49
	6H	12.98	13.87	13.40	14.24	14.64	14.36	15.25	14.78	15.62	16.02
	8H	13.02	13.86	13.45	14.25	14.66	14.57	15.41	15.01	15.80	16.21
	12H	13.05	13.85	13.48	14.23	14.66	14.85	15.65	15.29	16.04	16.47
4H	2H	11.47	12.44	11.88	12.79	13.18	11.73	12.69	12.13	13.05	13.43
	3H	13.02	13.82	13.43	14.22	14.63	13.83	14.62	14.24	15.03	15.43
	4H	13.56	14.27	14.00	14.70	15.14	14.67	15.39	15.11	15.81	16.25
	6H	13.85	14.46	14.31	14.91	15.38	15.24	15.85	15.71	16.30	16.77
	8H	13.91	14.48	14.38	14.93	15.40	15.49	16.06	15.97	16.51	16.99
	12H	13.94	14.44	14.43	14.92	15.40	15.78	16.28	16.27	16.76	17.24
8H	4H	13.85	14.42	14.32	14.87	15.34	14.83	15.40	15.30	15.85	16.32
	6H	14.24	14.70	14.74	15.20	15.68	15.51	15.97	16.01	16.47	16.95
	8H	14.34	14.75	14.87	15.27	15.77	15.82	16.23	16.35	16.75	17.24
	12H	14.94	15.30	15.46	15.80	16.37	16.59	16.95	17.11	17.45	18.02
12H	4H	13.86	14.36	14.35	14.85	15.32	14.81	15.31	15.30	15.79	16.27
	6H	14.73	14.69	14.81	15.16	15.71	15.96	15.92	16.04	16.39	16.93
	8H	14.42	14.78	14.94	15.27	15.85	15.86	16.21	16.37	16.71	17.28
对应照射距离，改变观察者位置S											
S = 1.0H	0.9/-0.8					0.7/-0.7					
S = 1.5H	1.6/-1.1					1.2/-0.9					
S = 2.0H	3.3/-1.4					2.3/-1.0					
标准表格	BK3					BK3					
更正系数	1.8					2.7					

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光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	6623.22	6596.36	6501.98	6287.88	5986.30	5627.94	5262.66	4872.07	4448.48
30.0	6816.60	6798.18	6701.49	6476.65	6158.96	5786.78	5393.89	4994.08	4552.07
60.0	6766.72	6733.72	6615.55	6363.85	6033.88	5678.58	5291.06	4888.95	4450.78
90.0	6722.98	6695.36	6590.23	6371.52	6057.67	5698.53	5334.80	4920.41	4503.73
120.0	6684.61	6647.78	6521.16	6302.46	5984.77	5650.96	5271.87	4859.79	4449.25
150.0	6652.38	6626.29	6518.86	6300.16	6007.79	5684.72	5313.31	4911.97	4507.57
180.0	6623.22	6581.78	6462.84	6231.09	5915.70	5565.01	5212.02	4808.38	4415.48
210.0	6816.60	6779.77	6640.10	6388.41	6080.69	5709.28	5319.45	4904.30	4481.48
240.0	6766.72	6738.33	6627.06	6402.22	6095.27	5737.67	5349.38	4966.46	4539.80
270.0	6722.98	6683.84	6577.95	6345.43	6049.23	5691.63	5311.78	4901.23	4480.71
300.0	6684.61	6656.99	6568.74	6368.45	6079.15	5756.85	5377.77	4986.41	4559.75
330.0	6652.38	6611.71	6509.65	6290.95	5990.14	5633.31	5278.78	4880.51	4443.11
360.0	6623.22	6596.36	6501.98	6287.88	5986.30	5627.94	5262.66	4872.07	4448.48

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4034.10	3608.97	3189.21	2733.39	2362.75	1996.71	1685.93	1406.60	1158.74
30.0	4127.72	3678.80	3228.35	2816.27	2411.86	2035.08	1702.04	1423.48	1173.32
60.0	4012.61	3563.69	3140.87	2718.81	2322.08	1979.06	1659.07	1397.16	1142.62
90.0	4052.51	3602.06	3151.61	2725.72	2351.24	1985.97	1677.48	1393.55	1151.06
120.0	4014.14	3566.00	3122.45	2719.58	2323.61	1963.72	1662.90	1390.26	1151.45
150.0	4069.39	3621.25	3168.50	2761.02	2363.52	1995.94	1686.69	1400.46	1170.25
180.0	3988.82	3547.58	3108.64	2707.30	2312.10	1952.97	1652.16	1380.97	1140.24
210.0	4038.70	3615.11	3157.75	2736.46	2344.33	1972.16	1664.44	1386.34	1151.45
240.0	4112.37	3678.03	3232.19	2799.39	2408.03	2056.57	1720.46	1446.50	1191.73
270.0	4041.77	3594.39	3159.29	2736.46	2361.98	1987.50	1667.51	1392.86	1157.82
300.0	4136.16	3701.05	3252.91	2836.22	2440.26	2065.78	1731.20	1458.78	1205.55
330.0	4024.89	3575.97	3141.64	2715.74	2322.08	1952.20	1649.86	1378.90	1137.56
360.0	4034.10	3608.97	3189.21	2733.39	2362.75	1996.71	1685.93	1406.60	1158.74

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	964.59	798.07	654.57	541.00	461.96	399.80	360.51	331.97	308.33
30.0	981.47	809.58	668.38	557.88	478.08	415.92	380.08	349.39	324.68
60.0	954.39	786.33	656.41	547.22	464.95	408.86	367.73	339.72	313.78
90.0	953.08	794.23	657.64	551.74	472.70	405.94	364.27	331.66	304.65
120.0	965.05	795.85	657.95	549.21	470.79	410.39	370.72	343.48	316.77
150.0	971.50	803.44	669.15	553.28	475.01	412.85	373.17	349.39	325.44
180.0	942.41	784.03	643.75	539.08	455.82	395.66	354.99	328.97	306.26
210.0	956.61	789.63	650.35	549.06	469.10	409.09	370.80	346.47	322.30
240.0	983.01	812.65	674.52	560.18	475.77	415.15	380.39	346.62	320.30
270.0	960.29	792.78	659.94	555.04	477.77	409.63	366.81	334.35	306.18
300.0	1006.03	832.60	685.27	568.63	484.98	419.75	387.52	350.54	323.76
330.0	955.69	790.86	657.33	546.06	471.71	410.16	371.87	347.77	321.84
360.0	964.59	798.07	654.57	541.00	461.96	399.80	360.51	331.97	308.33

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	287.38	270.12	252.62	235.97	220.08	203.43	187.16	172.66	156.24
30.0	302.12	283.01	263.67	245.41	229.29	212.72	194.99	179.11	160.69
60.0	291.99	270.27	248.63	228.14	206.96	185.40	163.68	143.12	124.31
90.0	278.25	255.84	233.97	212.95	194.45	174.35	155.39	138.28	120.86
120.0	294.67	271.27	250.55	229.06	207.58	187.01	164.76	143.65	124.55
150.0	300.96	281.70	262.14	245.02	228.22	211.57	194.76	177.03	158.69
180.0	286.08	268.58	251.01	234.20	217.01	200.75	184.78	169.28	153.63
210.0	301.04	281.01	261.45	244.72	227.76	210.80	194.15	176.96	159.23
240.0	297.13	275.64	254.85	233.59	212.72	191.54	169.51	147.41	126.85
270.0	282.01	258.76	237.50	216.09	196.37	175.42	156.70	138.82	120.09
300.0	301.66	279.09	257.99	236.43	216.55	194.45	172.05	150.25	128.08
330.0	300.66	280.32	260.98	243.72	228.06	211.57	193.92	177.80	159.54
360.0	287.38	270.12	252.62	235.97	220.08	203.43	187.16	172.66	156.24

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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	140.12	124.47	110.20	95.08	78.43	62.39	46.96	31.39	11.43
30.0	140.97	120.71	100.45	78.43	59.55	41.67	29.85	8.82	3.76
60.0	106.82	88.63	71.44	59.16	45.89	22.71	10.67	7.44	4.22
90.0	101.98	85.56	72.75	61.77	40.59	17.27	12.12	7.67	4.91
120.0	106.13	87.94	71.52	59.09	46.73	22.25	10.28	7.14	4.07
150.0	139.43	120.48	98.84	76.58	58.70	40.13	28.70	8.36	3.53
180.0	137.59	122.55	107.51	92.55	75.97	60.47	45.12	29.01	9.98
210.0	138.82	118.94	96.77	74.74	56.17	37.99	27.47	6.60	3.07
240.0	109.27	91.01	73.13	59.93	48.65	25.32	10.28	7.75	4.53
270.0	102.06	85.18	71.75	60.16	37.06	15.35	11.51	6.83	5.14
300.0	110.35	91.78	74.51	60.16	49.19	25.40	9.90	7.37	4.37
330.0	141.20	119.71	98.91	76.74	57.40	38.68	27.63	6.98	3.15
360.0	140.12	124.47	110.20	95.08	78.43	62.39	46.96	31.39	11.43
C/γ(°)	90.0								
0.0	0.61								
30.0	0.77								
60.0	0.46								
90.0	0.54								
120.0	0.46								
150.0	0.61								
180.0	0.46								
210.0	0.46								
240.0	0.54								
270.0	0.38								
300.0	0.54								
330.0	0.54								
360.0	0.61								