

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: F3083A-24-UN-RC-Y(30-XL-24RGBWN-AJ, L610mm, C, CT)

报告编号:

电压(V): 220.2000

测试编号: 20210401005

电流(A): 0.4670

光源规格型号: XL

功率(W): 101.0000

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): 4306.65

灯具效能(lm/w): 42.64

中心光强(cd): 10536.840

最大光强(cd): 10783.170

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=30.3

[C90/270]Total=30.2

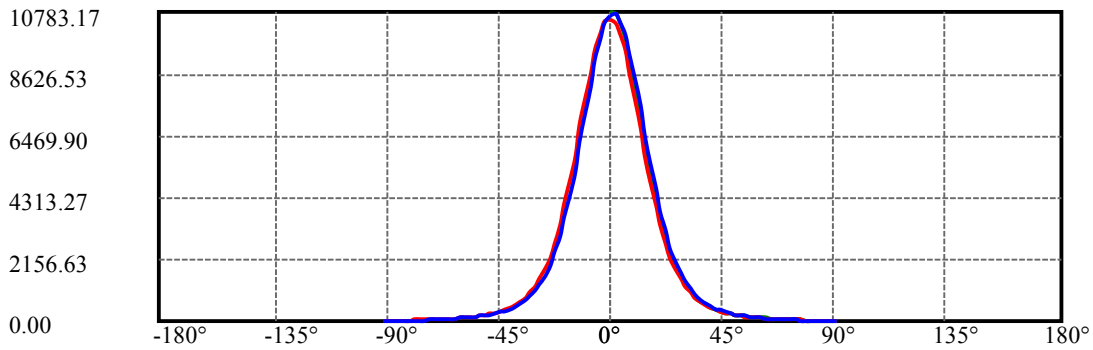
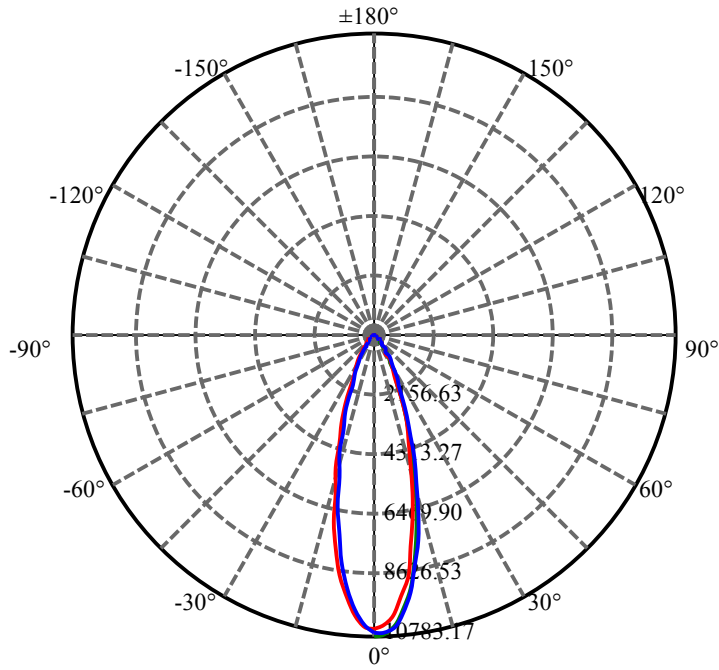
光束扩散角(10%Imax): [C0/180]Total=62.6

[C90/270]Total=62.8

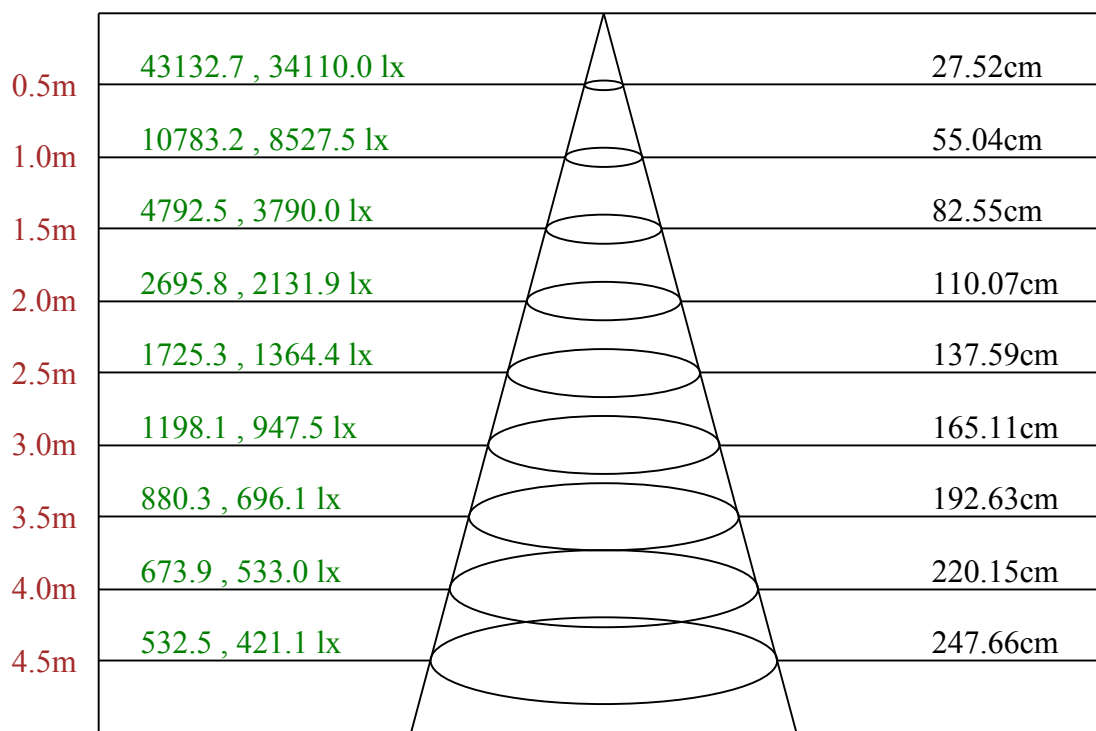
测试设备: GMS1800
环境温度(°C): 25.0

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

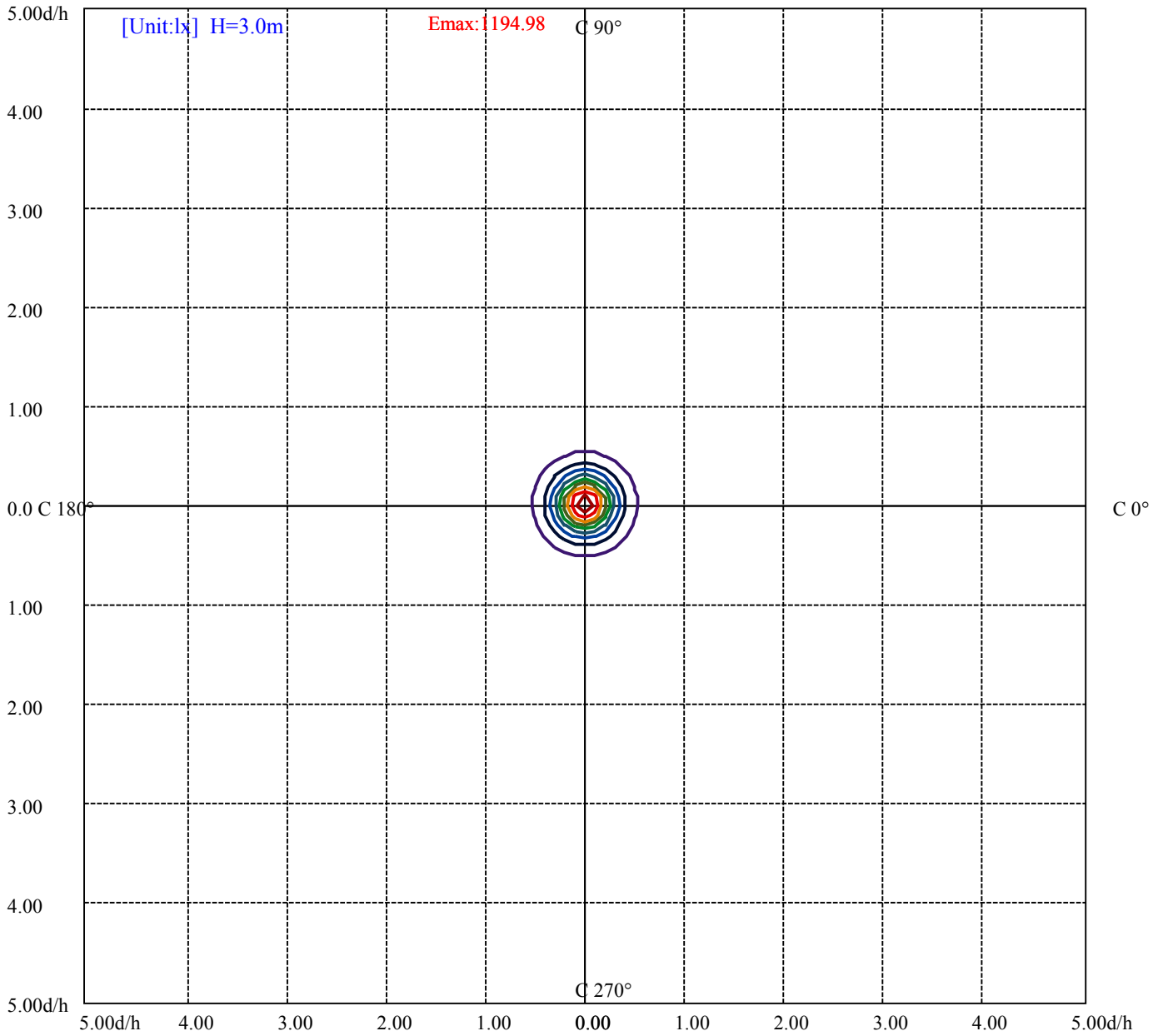


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角30.77

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平面等照度曲线



- (10%Emax) 119.4978
- (20%Emax) 238.9944
- (30%Emax) 358.4922
- (40%Emax) 477.99
- (50%Emax) 597.4866
- (60%Emax) 716.9844
- (70%Emax) 836.4822
- (80%Emax) 955.9788
- (90%Emax) 1075.477

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灯具的亮度限制曲线(灯具无发光侧边)

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亮度值表

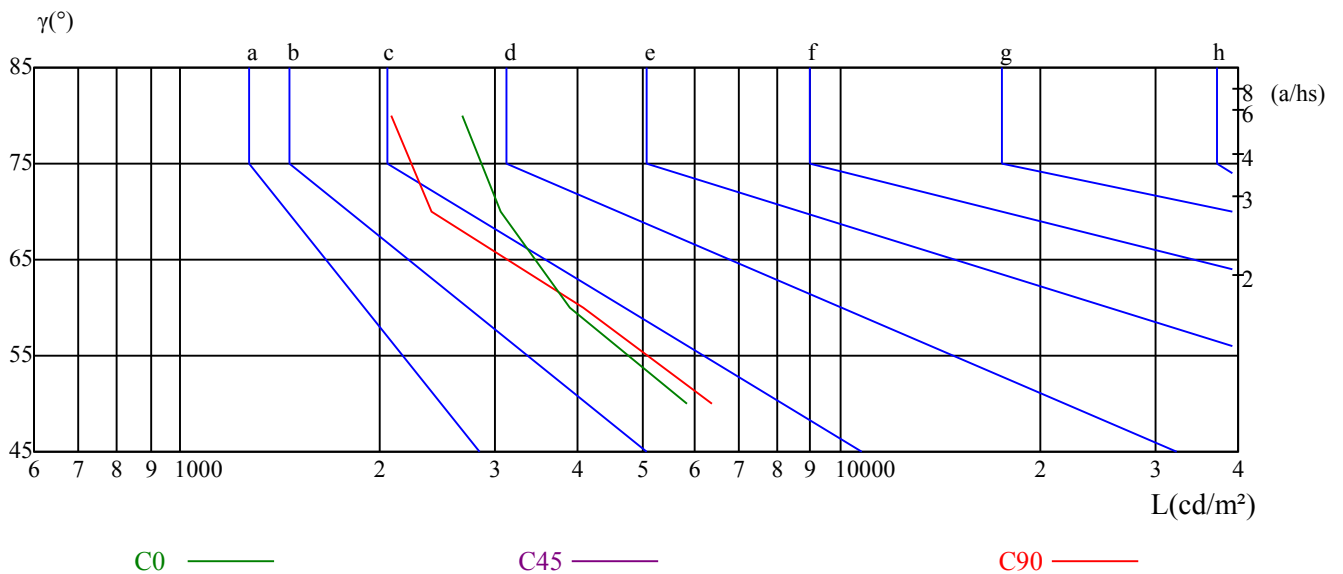
γ	45	50	55	60	65	70	75	80	85
C0	0	5833	0	3890	0	3050	0	2668	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6362	0	4072	0	2404	0	2083	0

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)							
		a	b	c	d	e	f	g	h
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

亮度限制曲线



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

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	7.31	8.37	7.68	8.68	8.99	7.34	8.39	7.70	8.70	9.01
	3H	8.00	8.93	8.38	9.26	9.63	8.51	9.44	8.89	9.77	10.14
	4H	8.22	9.08	8.62	9.43	9.82	8.97	9.83	9.37	10.18	10.57
	6H	8.34	9.13	8.76	9.50	9.90	9.29	10.08	9.71	10.45	10.85
	8H	8.35	9.09	8.78	9.48	9.89	9.39	10.13	9.83	10.53	10.93
	12H	8.34	9.05	8.78	9.43	9.87	9.53	10.23	9.96	10.62	11.05
4H	2H	7.64	8.50	8.05	8.86	9.24	7.66	8.52	8.07	8.87	9.26
	3H	8.46	9.16	8.87	9.57	9.98	9.08	9.78	9.49	10.19	10.59
	4H	8.74	9.37	9.18	9.79	10.24	9.65	10.28	10.09	10.70	11.15
	6H	8.90	9.44	9.37	9.89	10.36	9.99	10.53	10.46	10.98	11.45
	8H	8.92	9.42	9.40	9.87	10.35	10.12	10.62	10.60	11.07	11.55
	12H	8.92	9.36	9.41	9.84	10.32	10.27	10.70	10.76	11.19	11.67
8H	4H	8.89	9.39	9.36	9.84	10.31	9.70	10.20	10.18	10.65	11.13
	6H	9.12	9.52	9.63	10.02	10.50	10.12	10.52	10.63	11.02	11.51
	8H	9.18	9.53	9.71	10.05	10.55	10.30	10.65	10.83	11.18	11.67
	12H	9.80	10.11	10.32	10.61	11.19	11.00	11.30	11.52	11.80	12.38
12H	4H	8.87	9.30	9.36	9.79	10.26	9.67	10.10	10.16	10.59	11.06
	6H	9.44	9.47	9.65	9.94	10.49	10.42	10.45	10.63	10.92	11.47
	8H	9.20	9.51	9.73	10.01	10.59	10.31	10.61	10.83	11.11	11.69
对应照射距离，改变观察者位置S											
S = 1.0H	1.9/-1.7					1.4/-1.4					
S = 1.5H	3.4/-2.3					2.7/-1.9					
S = 2.0H	5.5/-3.1					4.4/-2.2					
标准表格	BK2					BK2					
更正系数	-2.3					-2.2					

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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	10536.84	10405.62	10018.09	9424.91	8640.65	7705.22	6708.40	5783.71	4849.05
30.0	10783.17	10737.12	10426.34	9874.59	9148.66	8221.67	7221.01	6262.56	5277.24
60.0	10726.38	10694.92	10405.62	9905.29	9147.89	8229.34	7241.73	6263.32	5281.85
90.0	10652.71	10683.41	10473.15	9979.72	9318.25	8435.76	7517.98	6498.14	5510.53
120.0	10618.95	10601.30	10341.16	9837.76	9093.41	8242.39	7276.26	6312.43	5328.66
150.0	10562.16	10546.05	10267.49	9781.74	9063.48	8168.72	7249.40	6253.35	5275.71
180.0	10536.84	10422.50	10057.23	9465.58	8656.77	7769.68	6798.95	5791.39	4903.53
210.0	10783.17	10590.56	10126.29	9476.33	8620.70	7625.42	6614.78	5674.75	4732.41
240.0	10726.38	10522.26	10048.79	9370.43	8508.67	7520.28	6484.33	5546.59	4616.53
270.0	10652.71	10386.43	9847.74	9100.31	8194.04	7234.82	6221.12	5251.15	4374.04
300.0	10618.95	10390.27	9896.85	9206.98	8339.07	7405.18	6381.50	5415.37	4506.80
330.0	10562.16	10323.51	9854.64	9157.87	8339.84	7360.67	6375.36	5407.70	4534.42
360.0	10536.84	10405.62	10018.09	9424.91	8640.65	7705.22	6708.40	5783.71	4849.05
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4040.23	3322.74	2695.79	2180.88	1792.59	1448.81	1180.22	977.64	796.54
30.0	4425.46	3627.39	2947.49	2391.91	1950.67	1575.42	1280.75	1052.07	854.09
60.0	4402.44	3646.57	2961.30	2402.65	1941.46	1528.15	1290.11	1057.60	857.01
90.0	4651.07	3837.65	3120.15	2535.41	2078.05	1685.93	1378.97	1147.23	924.69
120.0	4453.08	3658.08	3015.79	2452.53	1988.27	1527.31	1337.92	1095.89	898.90
150.0	4435.43	3651.94	2964.37	2404.96	1969.85	1602.28	1322.96	1085.84	893.23
180.0	4071.70	3326.57	2702.70	2216.18	1795.66	1477.05	1205.01	984.70	804.21
210.0	3905.94	3213.77	2599.10	2111.82	1709.71	1407.29	1149.99	948.40	770.68
240.0	3793.14	3136.27	2533.11	2045.06	1661.37	1358.26	1102.72	910.88	741.29
270.0	3594.39	2958.23	2385.00	1936.09	1516.18	1305.00	1073.48	870.66	716.35
300.0	3727.91	3055.69	2474.02	2024.34	1649.09	1343.68	1100.42	909.34	755.87
330.0	3745.56	3054.92	2492.44	2029.71	1672.88	1369.77	1129.50	931.90	773.82
360.0	4040.23	3322.74	2695.79	2180.88	1792.59	1448.81	1180.22	977.64	796.54
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	658.41	541.00	452.75	389.83	328.74	280.71	242.34	212.41	184.48
30.0	696.01	570.93	475.77	398.27	341.71	291.91	251.85	219.85	191.31
60.0	698.54	572.31	477.85	400.49	339.18	292.14	252.31	219.47	191.92
90.0	755.87	613.90	511.84	427.43	376.01	312.09	267.58	231.67	200.05
120.0	749.04	621.96	524.81	443.39	377.93	324.52	281.24	246.86	215.71
150.0	737.45	618.51	514.14	434.33	388.29	321.84	280.25	241.80	212.72
180.0	666.62	549.82	457.59	388.22	329.74	284.08	243.49	212.87	185.63
210.0	634.54	529.41	440.63	373.10	318.38	276.10	240.04	209.19	184.40
240.0	608.53	505.70	421.29	361.43	309.94	268.81	234.20	205.81	180.72
270.0	592.64	492.96	413.39	355.22	304.57	264.67	230.67	200.82	175.35
300.0	627.71	532.56	448.91	388.29	331.28	288.46	251.93	222.62	194.99
330.0	644.60	539.47	458.20	391.75	339.41	290.38	254.54	222.46	196.06
360.0	658.41	541.00	452.75	389.83	328.74	280.71	242.34	212.41	184.48
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	161.30	142.12	125.47	110.20	96.84	85.41	75.74	67.22	59.09
30.0	167.59	147.72	131.30	116.41	103.21	91.78	80.73	71.60	63.23
60.0	169.82	149.33	131.76	115.80	101.45	87.56	74.05	58.86	46.35
90.0	174.19	151.94	133.29	115.34	98.61	80.80	63.23	53.64	46.58
120.0	190.39	167.13	146.11	128.15	113.11	97.76	82.19	65.92	50.34
150.0	186.78	165.14	145.72	129.23	115.34	102.14	90.17	80.04	70.14
180.0	163.60	143.96	127.08	112.27	99.61	87.40	77.27	68.99	60.78
210.0	162.76	144.73	127.46	114.19	101.52	90.40	80.04	70.37	62.08
240.0	161.00	143.19	125.85	111.50	98.22	85.41	70.83	55.79	43.20
270.0	153.94	135.13	118.10	103.06	86.10	69.22	54.56	46.96	40.21
300.0	172.05	152.48	133.60	118.10	103.60	89.71	74.28	56.94	43.97
330.0	172.74	152.25	135.29	119.94	105.97	92.93	82.11	72.21	63.31
360.0	161.30	142.12	125.47	110.20	96.84	85.41	75.74	67.22	59.09

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光强数据表(cd)

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C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	51.95	45.28	39.14	33.00	26.24	19.80	13.89	8.21	2.46
30.0	55.10	47.27	38.60	28.16	19.95	14.43	10.21	3.61	1.53
60.0	39.52	33.15	27.01	21.87	18.42	11.89	3.91	3.30	2.00
90.0	39.90	33.69	28.85	24.79	20.49	8.59	4.53	3.91	2.46
120.0	42.44	35.45	29.24	23.71	19.41	14.43	4.37	3.30	2.00
150.0	61.47	52.95	44.51	33.00	22.33	16.11	10.90	6.98	1.69
180.0	53.26	46.35	40.06	33.99	27.32	20.72	15.42	9.44	3.84
210.0	54.18	45.89	36.60	25.55	17.96	12.12	8.75	2.30	1.15
240.0	36.60	30.39	24.48	19.95	16.42	6.75	3.61	2.61	1.69
270.0	33.92	28.78	24.48	20.11	9.67	4.68	4.14	2.69	1.38
300.0	37.14	30.54	24.17	19.72	16.04	5.76	3.30	2.07	1.30
330.0	55.10	46.66	36.53	23.79	16.73	10.97	8.13	1.69	1.00
360.0	51.95	45.28	39.14	33.00	26.24	19.80	13.89	8.21	2.46

C/γ(°)	90.0
0.0	0.15
30.0	0.46
60.0	0.69
90.0	1.00
120.0	0.92
150.0	0.77
180.0	0.31
210.0	0.15
240.0	0.08
270.0	0.15
300.0	0.15
330.0	0.15
360.0	0.15