

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3081A-12-UN-RC-Y (12-XL-12RGBWN-AJ, L380mm, RAL7042, CT)

报告编号:

电压(V): 202.2000

测试编号: 20210224005

电流(A): 0.2770

光源规格型号: XL

功率(W): 54.3000

每个光源光通量(lm)

功率因数: 0.9710

光源数量: 12

镇流器型号:

发光面长度(mm): 320

发光面宽度(mm): 105

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2407.47

灯具效能(lm/w): 44.34

中心光强(cd): 26781.420

最大光强(cd): 27533.450

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=13.7

[C90/270]Total=13.3

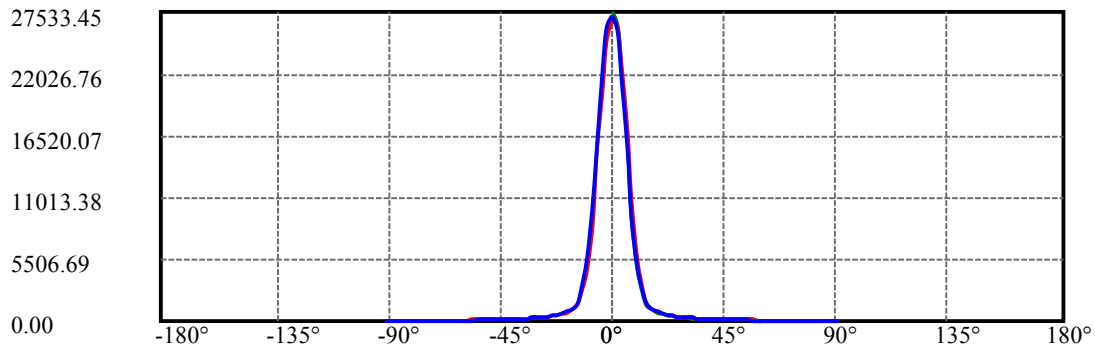
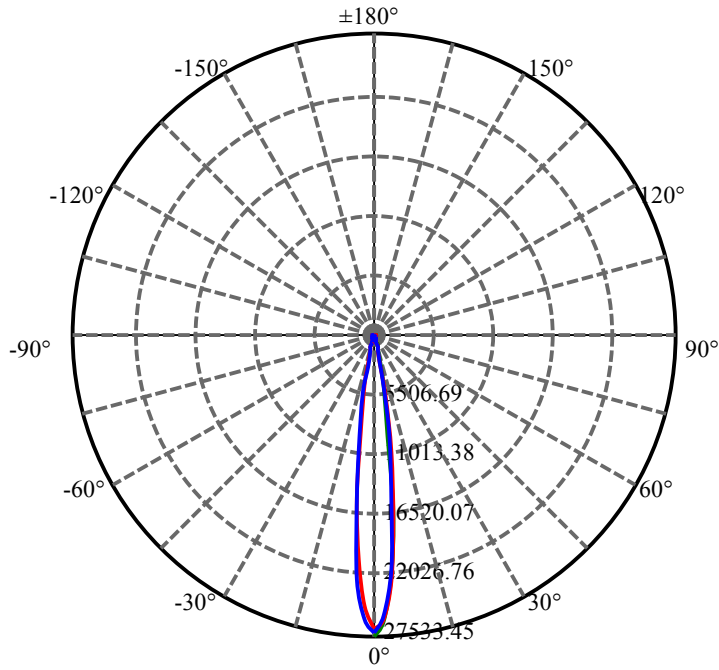
光束扩散角(10%Imax): [C0/180]Total=23.9

[C90/270]Total=24.1

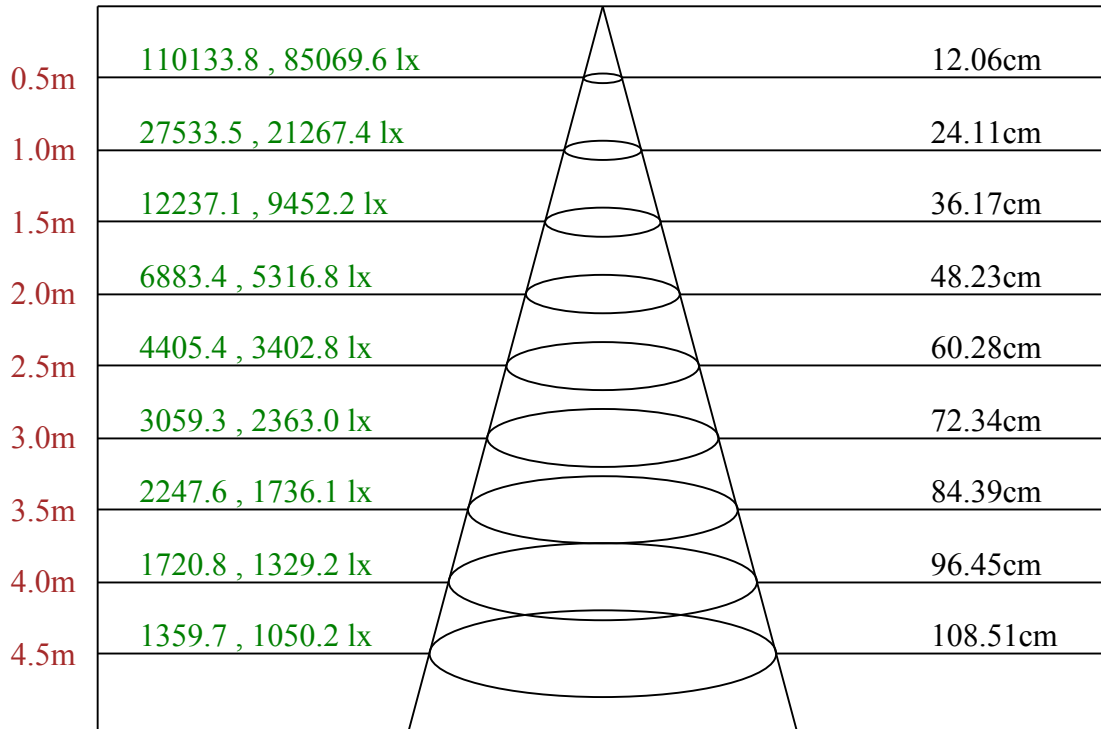
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/24
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

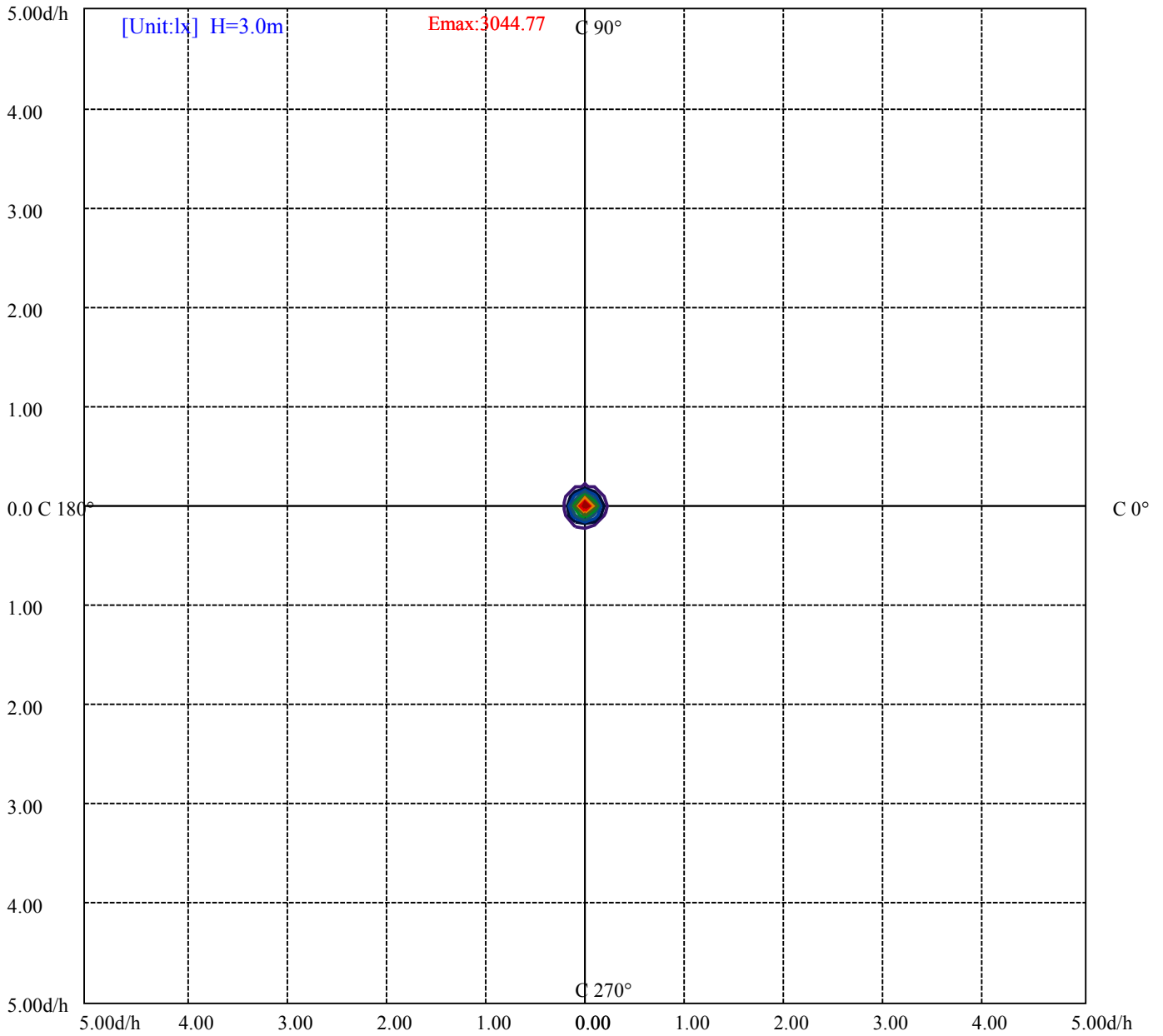


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角13.75

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平面等照度曲线



- (10%Emax) 304.4767
- (20%Emax) 608.9522
- (30%Emax) 913.429
- (40%Emax) 1217.9
- (50%Emax) 1522.378
- (60%Emax) 1826.855
- (70%Emax) 2131.333
- (80%Emax) 2435.811
- (90%Emax) 2740.289

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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

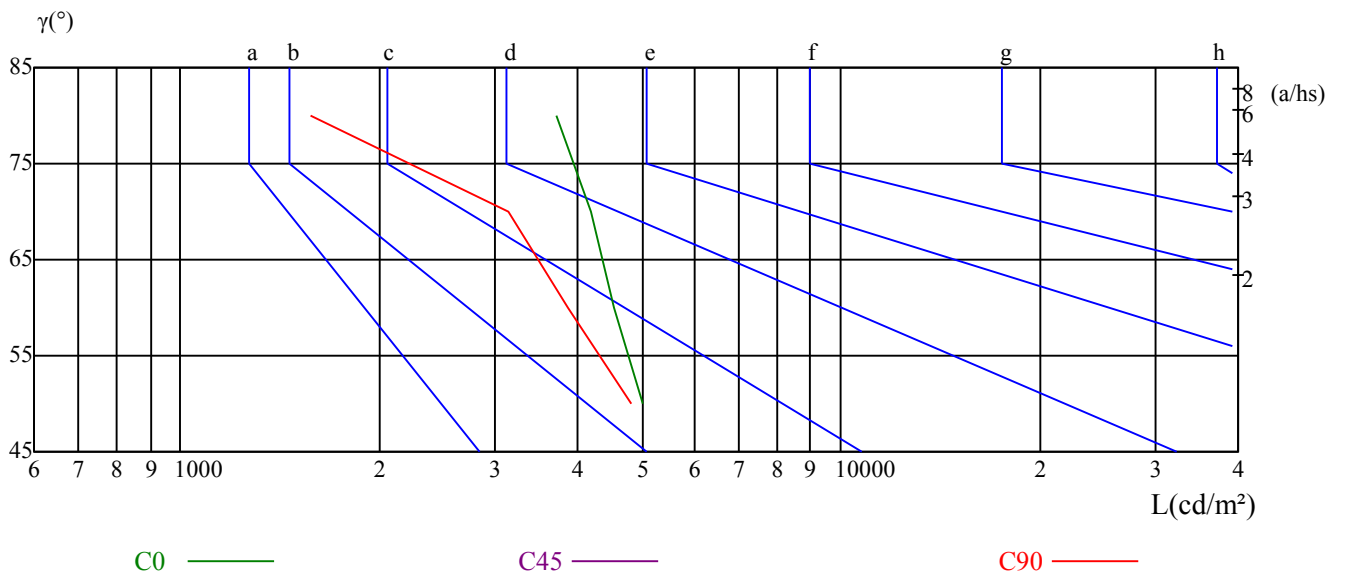
γ	45	50	55	60	65	70	75	80	85
C0	0	5028	0	4549	0	4173	0	3709	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4804	0	3860	0	3132	0	1578	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
460105	520441	0	464181	439125	0	294589	264428	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
		a	b	c	d	e	f	g	h

亮度限制曲线



测试设备: GMS1800
环境温度($^{\circ}\text{C}$): 25.0

测试日期: 2021/2/24
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	9.34	10.37	9.70	10.68	11.00	9.80	10.83	10.17	11.14	11.46
	3H	10.69	11.60	11.07	11.93	12.30	11.52	12.43	11.90	12.76	13.13
	4H	11.14	11.99	11.55	12.34	12.73	12.12	12.96	12.52	13.31	13.70
	6H	11.37	12.14	11.78	12.51	12.91	12.53	13.30	12.94	13.67	14.07
	8H	11.39	12.12	11.83	12.51	12.92	12.64	13.36	13.07	13.75	14.16
	12H	11.41	12.11	11.85	12.49	12.92	12.74	13.43	13.17	13.82	14.25
4H	2H	9.89	10.73	10.29	11.09	11.47	10.26	11.10	10.66	11.45	11.84
	3H	11.40	12.09	11.82	12.50	12.91	12.20	12.89	12.61	13.30	13.70
	4H	11.94	12.56	12.38	12.98	13.43	12.88	13.50	13.32	13.92	14.37
	6H	12.19	12.72	12.66	13.17	13.64	13.30	13.83	13.77	14.28	14.75
	8H	12.23	12.73	12.71	13.18	13.65	13.43	13.93	13.91	14.38	14.85
	12H	12.25	12.68	12.75	13.17	13.65	13.54	13.97	14.03	14.45	14.93
8H	4H	12.15	12.65	12.63	13.10	13.57	12.99	13.48	13.46	13.93	14.41
	6H	12.49	12.88	13.00	13.38	13.87	13.49	13.88	14.00	14.38	14.87
	8H	12.58	12.92	13.11	13.44	13.94	13.68	14.03	14.21	14.55	15.04
	12H	13.18	13.48	13.70	13.97	14.55	14.36	14.65	14.88	15.15	15.73
12H	4H	12.14	12.57	12.63	13.05	13.53	12.96	13.38	13.45	13.87	14.35
	6H	12.80	12.85	13.04	13.32	13.87	13.78	13.82	14.01	14.29	14.84
	8H	12.62	12.92	13.14	13.42	14.00	13.70	13.99	14.22	14.49	15.07
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.2/-0.5					
S = 1.5H	0.8/-1.0					0.8/-0.8					
S = 2.0H	2.0/-1.3					1.3/-0.9					
标准表格	BK3					BK3					
更正系数	-2.8					-1.8					

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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	26781.42	25960.33	22553.18	16912.97	10866.04	5693.93	2753.35	1596.14	1042.86
30.0	27533.45	26205.89	22062.06	16053.51	9385.01	4773.08	2360.45	1414.27	986.08
60.0	27272.54	25522.93	21079.82	14753.57	8660.61	4271.21	2229.23	1315.51	956.38
90.0	27172.78	25607.34	21379.10	15454.95	9461.75	4880.51	2619.82	1514.80	1026.75
120.0	26965.59	24932.05	20504.29	14485.76	8552.41	4605.79	2441.79	1505.82	1036.42
150.0	26919.55	25300.39	21233.29	15639.12	9553.83	5049.33	2749.51	1593.84	1089.67
180.0	26781.42	24793.92	20604.05	15033.66	8961.42	4671.02	2486.30	1461.39	1015.01
210.0	27533.45	26382.39	22768.05	15065.13	10857.60	5834.36	2827.01	1502.22	1077.86
240.0	27272.54	26551.21	23351.25	17833.82	11694.81	6215.75	3890.60	1698.97	1118.07
270.0	27172.78	26029.39	22261.58	15252.37	10574.44	5563.48	2869.22	1502.52	1089.90
300.0	26965.59	26113.81	22445.75	17135.51	10996.50	5924.14	3366.48	1740.41	1140.32
330.0	26919.55	25630.36	21816.50	15076.64	9906.82	5088.47	2645.15	1522.47	1071.79
360.0	26781.42	25960.33	22553.18	16912.97	10866.04	5693.93	2753.35	1596.14	1042.86
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	795.77	647.67	541.77	450.45	389.06	338.18	295.44	260.52	229.98
30.0	766.61	623.11	517.98	431.27	387.52	323.30	284.16	252.70	223.23
60.0	747.27	614.98	506.85	422.06	363.05	316.85	278.17	246.10	220.62
90.0	794.23	641.53	527.95	441.24	389.06	333.12	293.83	258.91	229.22
120.0	794.31	643.06	535.94	448.30	384.92	338.64	296.82	262.60	232.67
150.0	822.63	667.62	543.30	458.89	391.36	345.47	302.96	266.20	236.97
180.0	766.61	629.63	522.58	442.55	379.62	332.12	293.06	256.99	226.45
210.0	825.47	669.84	551.21	461.81	393.66	343.86	298.59	265.59	235.35
240.0	833.37	679.13	562.49	464.26	396.73	346.01	302.12	266.82	238.50
270.0	816.95	670.00	553.51	461.81	398.27	346.70	303.50	267.74	238.58
300.0	855.62	688.34	569.39	471.94	406.71	355.99	310.86	275.18	243.57
330.0	811.35	661.25	551.21	458.28	393.43	343.02	302.19	266.20	236.89
360.0	795.77	647.67	541.77	450.45	389.06	338.18	295.44	260.52	229.98
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	204.20	182.56	165.60	148.95	135.67	125.08	116.64	108.58	100.99
30.0	200.29	179.49	163.30	147.87	134.52	124.16	114.88	105.90	98.30
60.0	196.91	176.73	160.54	145.03	132.14	121.09	112.19	103.06	95.54
90.0	204.12	182.02	163.53	146.80	133.06	121.78	112.80	103.75	95.46
120.0	206.96	184.94	166.29	150.41	136.29	125.39	115.57	105.97	97.76
150.0	210.64	188.24	169.21	153.17	138.59	126.92	117.64	108.20	100.60
180.0	201.67	179.80	162.07	147.26	134.06	124.16	115.41	106.36	98.61
210.0	210.41	188.24	169.36	153.55	139.43	127.46	118.18	109.58	101.14
240.0	211.57	190.08	170.89	153.55	139.05	127.46	117.41	108.20	100.07
270.0	212.18	190.92	170.89	152.63	137.36	125.01	115.18	105.90	97.92
300.0	217.09	192.92	174.12	156.08	142.12	129.84	119.33	110.12	101.37
330.0	210.11	188.24	169.36	152.78	139.59	127.61	118.18	108.89	100.60
360.0	204.20	182.56	165.60	148.95	135.67	125.08	116.64	108.58	100.99
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	94.46	88.56	82.72	76.43	70.52	64.69	59.16	53.56	47.96
30.0	92.62	87.17	82.03	76.74	71.52	65.99	59.24	53.41	47.27
60.0	89.32	83.18	76.89	68.60	61.47	54.87	49.19	43.20	37.22
90.0	87.71	79.35	71.60	64.84	59.09	53.26	47.19	41.59	35.99
120.0	91.32	85.10	78.20	70.52	62.46	55.63	49.42	43.74	37.68
150.0	93.85	88.40	82.65	77.35	72.13	66.22	59.86	53.56	47.35
180.0	91.93	86.48	80.57	74.05	67.91	62.46	57.02	51.41	45.89
210.0	94.69	89.32	83.72	78.27	73.05	67.45	61.01	55.17	48.88
240.0	92.70	86.87	80.73	73.98	66.07	59.16	52.49	46.58	40.90
270.0	90.78	83.03	74.82	67.15	61.01	55.02	49.50	43.82	38.37
300.0	93.85	87.79	81.88	74.59	66.99	59.24	52.49	46.58	40.75
330.0	94.16	88.94	83.34	77.89	72.98	67.15	61.08	54.87	48.42
360.0	94.46	88.56	82.72	76.43	70.52	64.69	59.16	53.56	47.96

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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	41.98	36.60	31.16	26.17	21.64	14.73	9.98	5.14	0.61
30.0	41.13	33.07	24.86	19.18	14.27	9.44	6.37	1.69	0.77
60.0	31.62	26.09	21.03	16.50	10.05	5.14	3.76	1.53	0.77
90.0	30.31	25.63	21.87	15.27	9.21	5.06	4.30	1.53	1.00
120.0	31.69	26.40	21.18	16.11	9.82	5.06	3.84	1.53	0.84
150.0	40.98	33.30	25.17	19.11	14.50	9.36	6.52	1.61	0.61
180.0	40.06	34.22	29.01	24.25	17.96	12.05	7.29	2.99	0.38
210.0	42.74	35.38	27.17	20.64	15.73	10.74	7.14	2.23	1.00
240.0	35.22	29.54	24.17	19.88	16.65	8.82	4.91	2.92	1.23
270.0	32.84	27.93	24.17	21.10	13.05	7.37	5.68	2.23	1.38
300.0	34.92	29.31	24.33	19.95	16.42	8.67	4.99	2.76	1.23
330.0	42.36	34.69	26.40	20.03	15.42	10.44	6.98	2.15	0.92
360.0	41.98	36.60	31.16	26.17	21.64	14.73	9.98	5.14	0.61

C/γ(°)	90.0
0.0	0.23
30.0	0.15
60.0	0.08
90.0	0.08
120.0	0.08
150.0	0.08
180.0	0.08
210.0	0.23
240.0	0.38
270.0	0.38
300.0	0.31
330.0	0.23
360.0	0.23