

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(5030-XL-24RGBWH-AJ, L610mm, C, CT)

报告编号:

电压(V): 202.0000

测试编号: 20210301003

电流(A): 0.5010

光源规格型号: XL

功率(W): 99.8000

每个光源光通量(lm)

功率因数: 0.9850

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

光度结果

灯具光通量(lm): 4302.72

灯具效能(lm/w): 43.11

中心光强(cd): 7808.051

最大光强(cd): 8052.844

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=54.3

[C90/270]Total=29.7

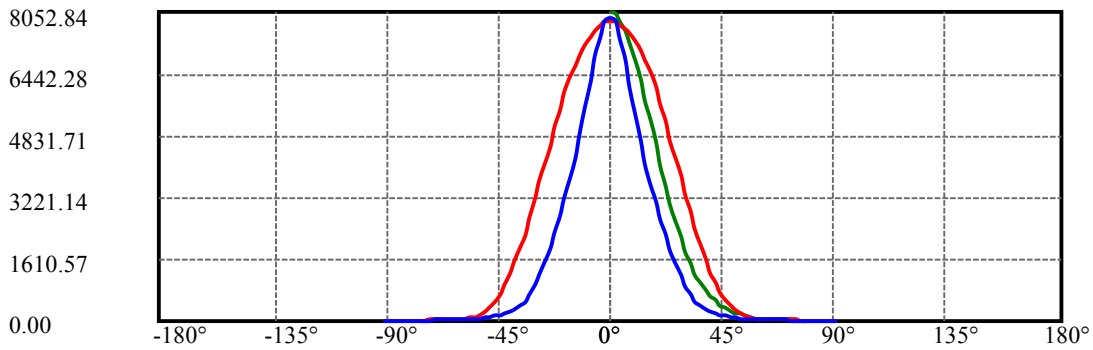
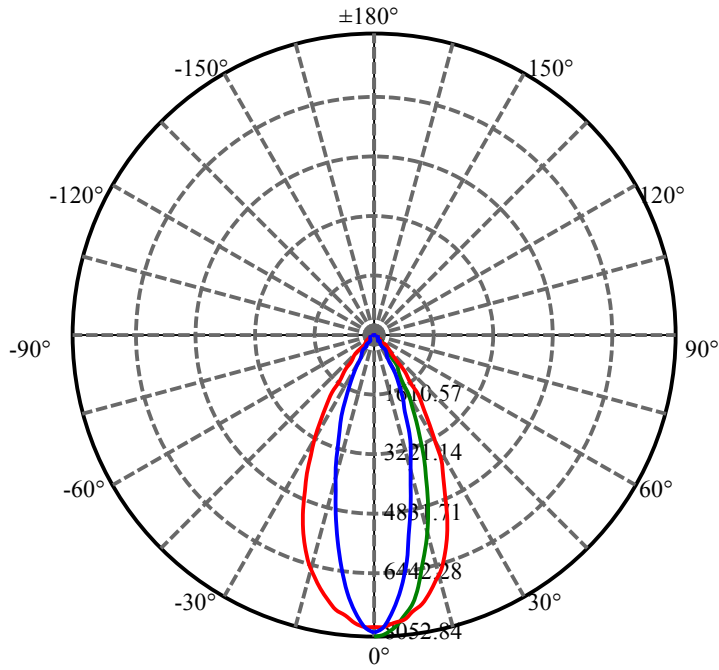
光束扩散角(10%Imax): [C0/180]Total=87.2

[C90/270]Total=62.5

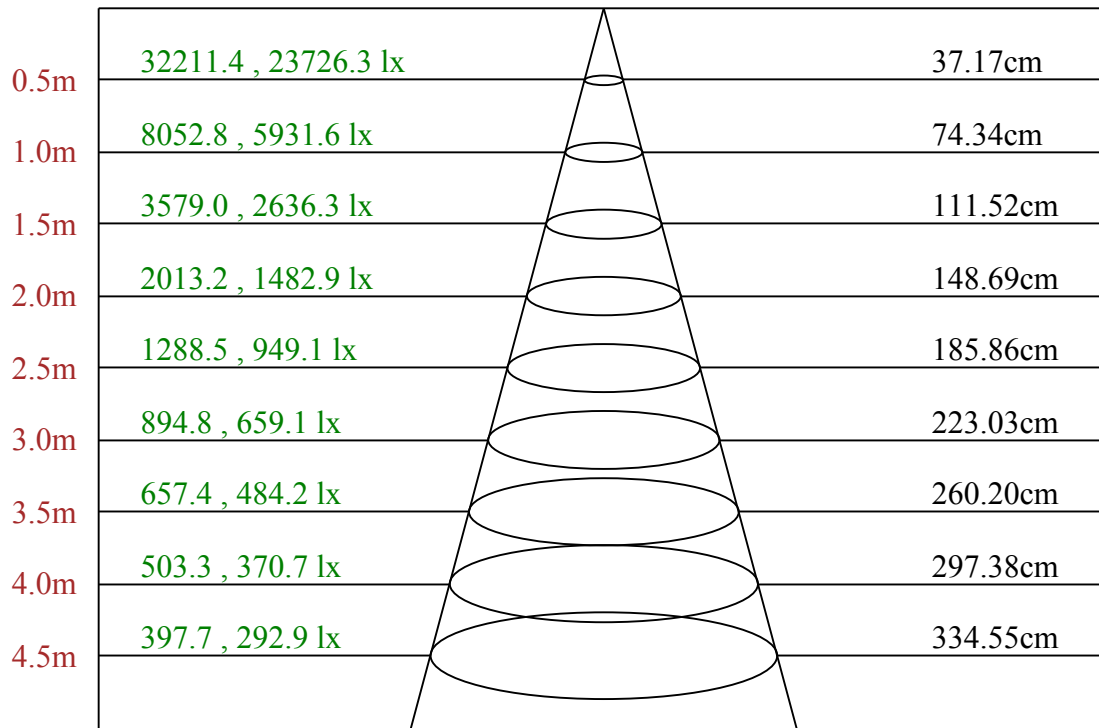
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/1
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

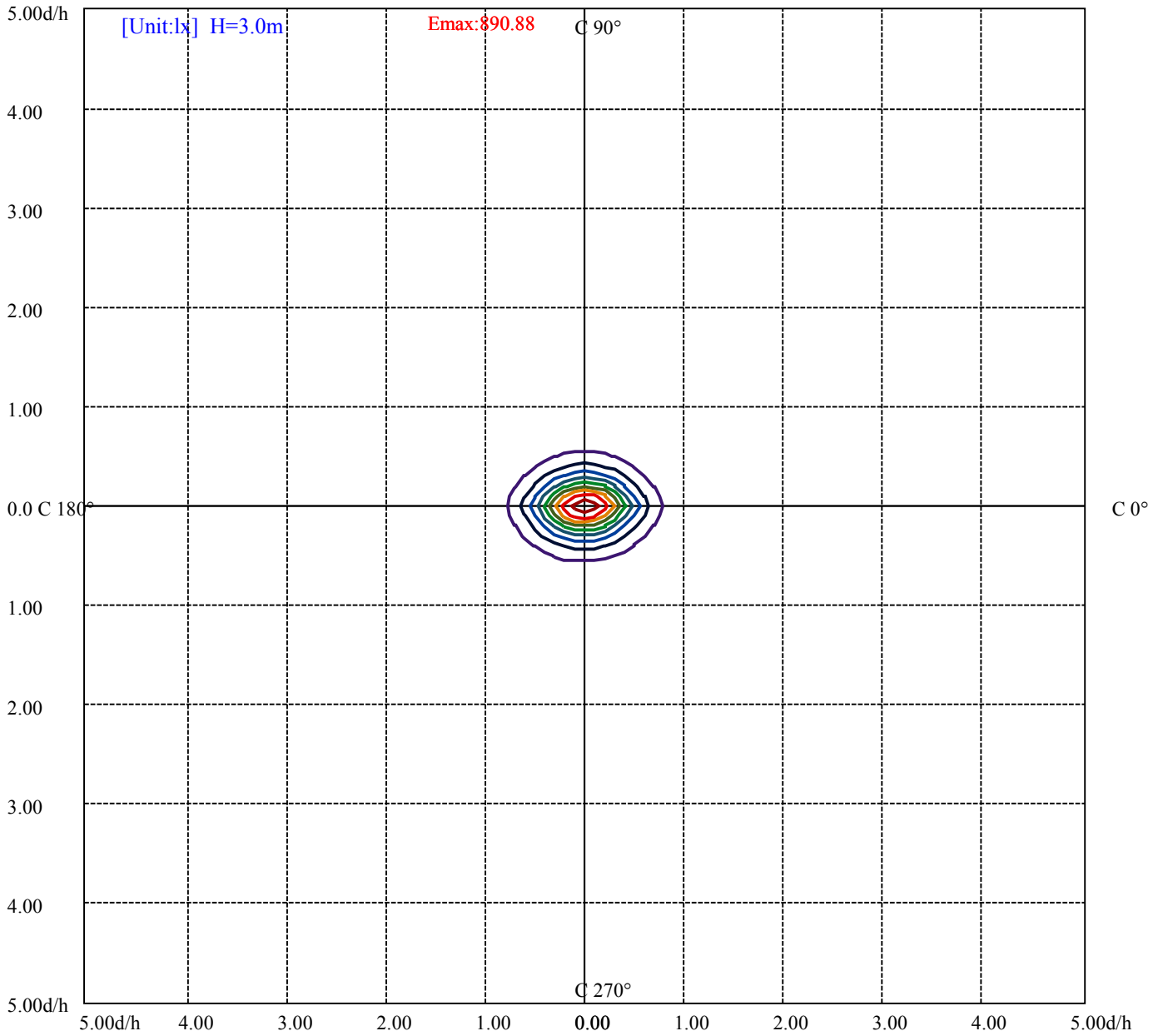


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角40.78

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平面等照度曲线



(10%Emax)	89.08789	—
(20%Emax)	178.1756	—
(30%Emax)	267.2633	—
(40%Emax)	356.3522	—
(50%Emax)	445.44	—
(60%Emax)	534.5278	—
(70%Emax)	623.6155	—
(80%Emax)	712.7034	—
(90%Emax)	801.7911	—

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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

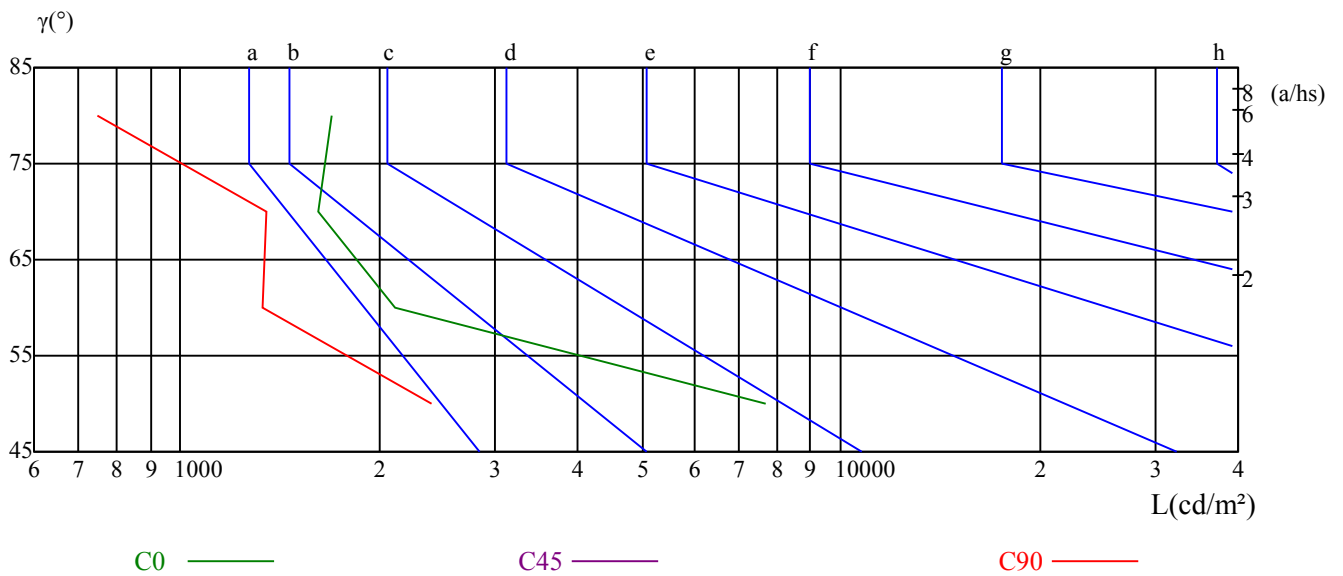
γ	45	50	55	60	65	70	75	80	85
C0	0	7692	0	2118	0	1616	0	1699	0
C45	0	0	0	0	0	0	0	0	0
C90	0	2398	0	1329	0	1352	0	750	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
69367	74434	0	61460	65793	0	20476	21055	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



测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/1
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	2.24	3.25	2.61	3.56	3.88	3.95	4.96	4.31	5.27	5.59
	3H	2.92	3.81	3.30	4.14	4.51	4.63	5.52	5.01	5.85	6.22
	4H	3.13	3.95	3.54	4.31	4.70	4.97	5.80	5.38	6.15	6.54
	6H	3.23	3.98	3.65	4.35	4.75	5.28	6.03	5.70	6.41	6.80
	8H	3.23	3.93	3.67	4.33	4.74	5.39	6.09	5.83	6.49	6.90
	12H	3.22	3.89	3.65	4.28	4.71	5.53	6.20	5.96	6.58	7.01
4H	2H	2.39	3.21	2.80	3.57	3.96	3.93	4.75	4.34	5.11	5.50
	3H	3.18	3.84	3.59	4.25	4.66	4.84	5.51	5.26	5.92	6.32
	4H	3.45	4.04	3.88	4.46	4.91	5.31	5.90	5.75	6.33	6.78
	6H	3.58	4.09	4.05	4.54	5.01	5.67	6.18	6.14	6.63	7.10
	8H	3.59	4.07	4.07	4.52	4.99	5.83	6.30	6.30	6.75	7.22
	12H	3.59	4.00	4.08	4.49	4.96	5.99	6.40	6.48	6.89	7.36
8H	4H	3.57	4.04	4.04	4.49	4.97	5.30	5.77	5.77	6.22	6.70
	6H	3.76	4.14	4.27	4.64	5.13	5.76	6.13	6.27	6.64	7.12
	8H	3.81	4.14	4.34	4.66	5.16	5.98	6.31	6.51	6.83	7.33
	12H	4.31	4.59	4.83	5.09	5.67	6.55	6.84	7.07	7.34	7.92
12H	4H	3.56	3.97	4.05	4.46	4.94	5.25	5.66	5.74	6.15	6.62
	6H	4.05	4.12	4.32	4.59	5.14	5.99	6.06	6.26	6.53	7.08
	8H	3.86	4.14	4.38	4.64	5.22	5.97	6.26	6.50	6.76	7.34
对应照射距离，改变观察者位置S											
S = 1.0H	2.9/-2.9					4.3/-5.9					
S = 1.5H	4.7/-4.6					6.9/-7.1					
S = 2.0H	6.6/-4.6					8.8/-6.9					
标准表格	BK1					BK0					
更正系数	-6.7					-1.5					

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光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	7808.05	7781.19	7706.76	7613.14	7483.45	7298.51	7051.42	6782.07	6506.58
30.0	8052.84	7991.45	7821.86	7558.65	7240.19	6819.67	6287.88	5772.20	5238.11
60.0	7983.01	7853.33	7449.69	6920.20	6408.36	5740.74	5057.01	4388.62	3766.28
90.0	7925.46	7792.70	7352.23	6795.11	6110.62	5404.63	4721.66	4116.97	3570.60
120.0	7873.28	7720.57	7343.02	6843.46	6225.72	5518.97	4838.31	4219.80	3668.82
150.0	7838.75	7803.45	7600.86	7353.76	6934.78	6505.81	6043.09	5512.06	4929.62
180.0	7808.05	7795.01	7689.11	7540.24	7422.83	7206.43	6918.66	6656.99	6365.38
210.0	8052.84	8029.82	7887.86	7578.61	7234.82	6893.34	6406.05	5849.71	5287.99
240.0	7983.01	7911.65	7651.51	7191.85	6664.66	6024.67	5344.01	4701.71	4074.77
270.0	7925.46	7800.38	7402.11	6891.80	6244.14	5583.43	4862.09	4265.08	3707.19
300.0	7873.28	7807.28	7506.47	7068.30	6526.53	5870.43	5170.58	4513.71	3986.52
330.0	7838.75	7778.89	7616.21	7376.79	6979.28	6570.27	6086.06	5554.27	4988.71
360.0	7808.05	7781.19	7706.76	7613.14	7483.45	7298.51	7051.42	6782.07	6506.58
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	6118.29	5666.30	5186.69	4712.46	4232.08	3778.56	3318.90	2829.32	2389.61
30.0	4662.58	4064.02	3516.12	3039.58	2580.69	2198.53	1820.22	1488.71	1214.76
60.0	3196.12	2742.60	2346.64	2002.85	1716.62	1454.56	1178.08	930.90	738.45
90.0	3093.29	2673.54	2238.44	1846.31	1496.38	1186.36	923.15	707.52	509.54
120.0	3162.36	2702.70	2309.80	1975.23	1695.13	1422.48	1182.91	934.97	721.41
150.0	4431.60	3875.25	3372.62	2919.10	2495.51	2143.28	1817.91	1526.31	1252.36
180.0	5941.02	5486.74	5032.45	4562.82	4122.34	3659.62	3183.08	2711.91	2262.99
210.0	4737.01	4172.99	3648.11	3173.87	2739.53	2368.12	1970.62	1591.54	1356.26
240.0	3488.49	2971.28	2579.15	2200.83	1849.38	1573.12	1309.91	1032.89	816.49
270.0	3193.82	2754.11	2300.59	1886.21	1531.38	1194.96	927.60	717.73	513.60
300.0	3446.29	2940.58	2510.09	2150.95	1812.54	1527.85	1256.96	990.68	764.31
330.0	4426.99	3912.08	3399.48	2937.52	2520.83	2165.54	1832.49	1522.93	1276.07
360.0	6118.29	5666.30	5186.69	4712.46	4232.08	3778.56	3318.90	2829.32	2389.61
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1975.99	1612.26	1272.31	1002.19	754.33	557.88	394.43	285.54	204.12
30.0	1003.73	815.72	659.18	534.86	424.36	336.03	263.29	215.10	178.49
60.0	568.86	435.79	330.51	254.85	201.13	158.23	127.92	106.05	92.32
90.0	390.59	289.99	233.21	190.39	156.54	129.99	107.82	89.02	73.90
120.0	560.03	421.67	317.85	242.72	191.84	153.55	125.39	105.13	90.78
150.0	1035.96	857.93	700.61	564.02	448.91	387.52	276.64	229.29	183.79
180.0	1878.54	1530.84	1225.81	945.10	715.42	503.09	357.67	252.54	172.43
210.0	1120.06	921.70	754.41	612.75	491.66	387.06	296.36	232.98	191.08
240.0	633.85	475.01	387.52	272.73	212.87	167.83	137.05	112.88	95.77
270.0	376.86	293.67	234.89	191.23	157.62	130.91	107.05	89.48	74.44
300.0	580.90	438.94	333.12	257.61	199.06	159.31	129.84	108.89	93.24
330.0	1045.86	872.58	713.43	572.69	457.36	362.66	281.40	233.13	188.70
360.0	1975.99	1612.26	1272.31	1002.19	754.33	557.88	394.43	285.54	204.12
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	138.43	98.15	74.59	61.16	51.11	44.20	38.75	34.84	31.92
30.0	138.05	93.01	67.68	55.10	46.35	40.06	35.99	33.07	30.46
60.0	87.33	87.10	87.25	67.84	44.12	33.00	27.17	22.64	19.03
90.0	62.85	53.33	45.28	38.37	33.46	30.93	29.39	29.39	26.70
120.0	88.25	93.31	82.19	61.16	45.66	33.61	26.55	21.95	18.26
150.0	131.22	89.55	65.07	52.64	42.97	37.45	33.15	29.85	27.01
180.0	121.63	85.41	68.22	55.33	46.58	40.52	35.84	31.54	28.24
210.0	154.32	109.66	74.44	58.55	48.11	41.44	36.53	33.53	31.08
240.0	83.26	79.73	79.73	75.51	50.80	35.07	28.47	23.40	19.88
270.0	62.23	53.33	45.20	37.37	33.07	30.23	28.47	27.86	25.09
300.0	90.01	94.92	83.64	65.30	46.04	34.30	27.47	23.17	19.41
330.0	132.83	94.62	69.68	55.25	45.74	39.37	34.30	31.08	28.39
360.0	138.43	98.15	74.59	61.16	51.11	44.20	38.75	34.84	31.92

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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	29.08	26.01	22.87	20.11	17.04	13.66	9.82	5.68	2.38
30.0	26.86	23.33	19.41	15.81	12.74	9.67	6.29	1.46	0.54
60.0	16.04	13.28	10.59	8.52	7.14	4.14	1.84	1.30	0.77
90.0	21.95	16.19	12.05	9.90	7.52	3.68	2.30	1.38	0.84
120.0	15.73	12.97	10.13	8.13	6.91	4.14	1.84	1.38	0.69
150.0	24.71	20.49	17.04	13.58	10.44	8.06	4.99	2.15	0.77
180.0	25.48	22.71	19.57	16.65	13.81	10.90	7.44	4.14	1.46
210.0	26.78	23.79	20.18	16.27	13.20	10.13	7.14	2.61	0.92
240.0	16.88	14.12	11.51	8.98	7.60	4.91	2.15	1.61	0.84
270.0	20.26	15.58	11.59	9.75	6.60	3.53	2.38	1.23	0.84
300.0	16.42	13.66	10.97	8.59	7.14	4.45	2.00	1.46	0.77
330.0	25.02	21.26	17.57	14.04	10.90	8.36	5.45	1.84	0.61
360.0	29.08	26.01	22.87	20.11	17.04	13.66	9.82	5.68	2.38

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