

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3493A1-48-24DC-PC-A3(45-CL-48RGBWN-AA,L1000mm, C,CT)

报告编号:

电压(V): 24.0000

测试编号: 20210308011

电流(A): 3.5110

光源规格型号: CL

功率(W): 84.5000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 48

镇流器型号:

发光面长度(mm): 990

发光面宽度(mm): 70

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 3778.65

灯具效能(lm/w): 44.72

中心光强(cd): 3772.420

最大光强(cd): 3926.663

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=51.0

[C90/270]Total=49.5

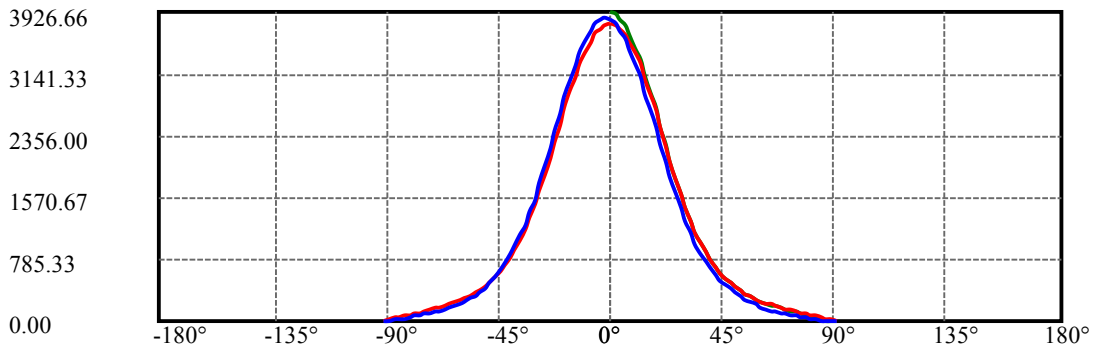
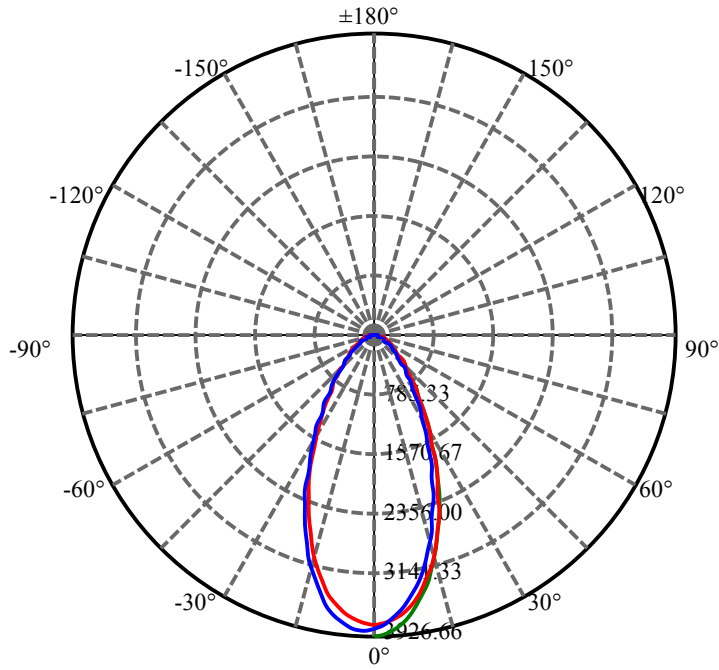
光束扩散角(10%Imax): [C0/180]Total=105.6

[C90/270]Total=100.4

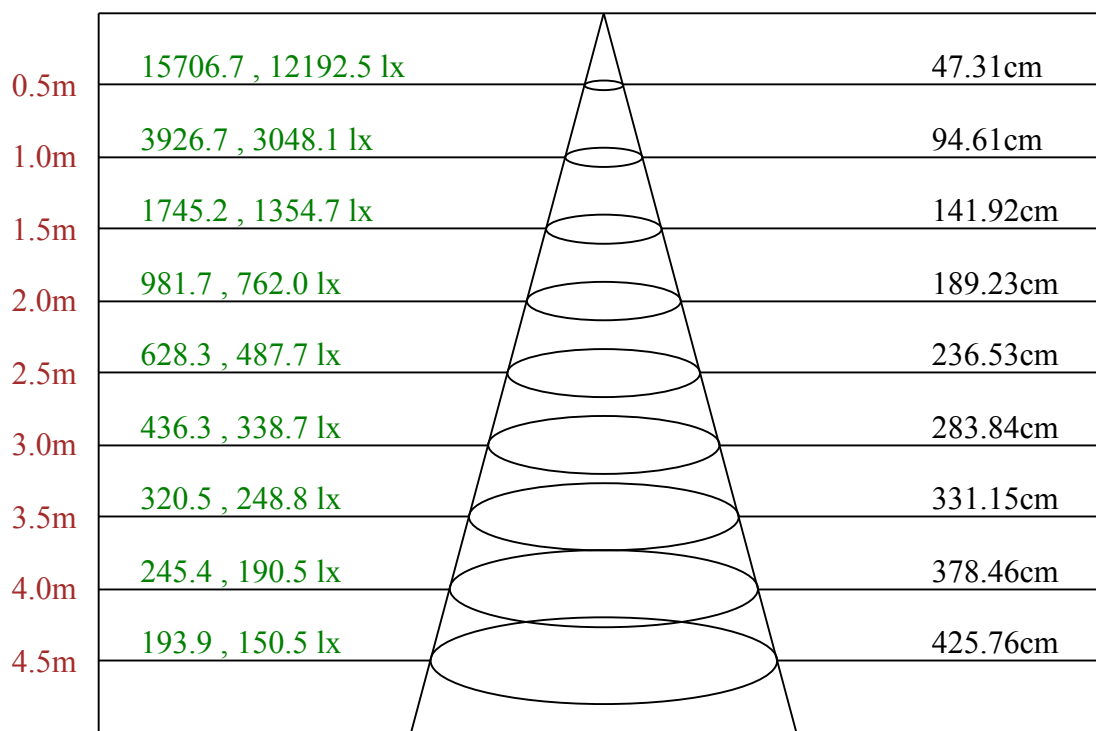
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/8
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

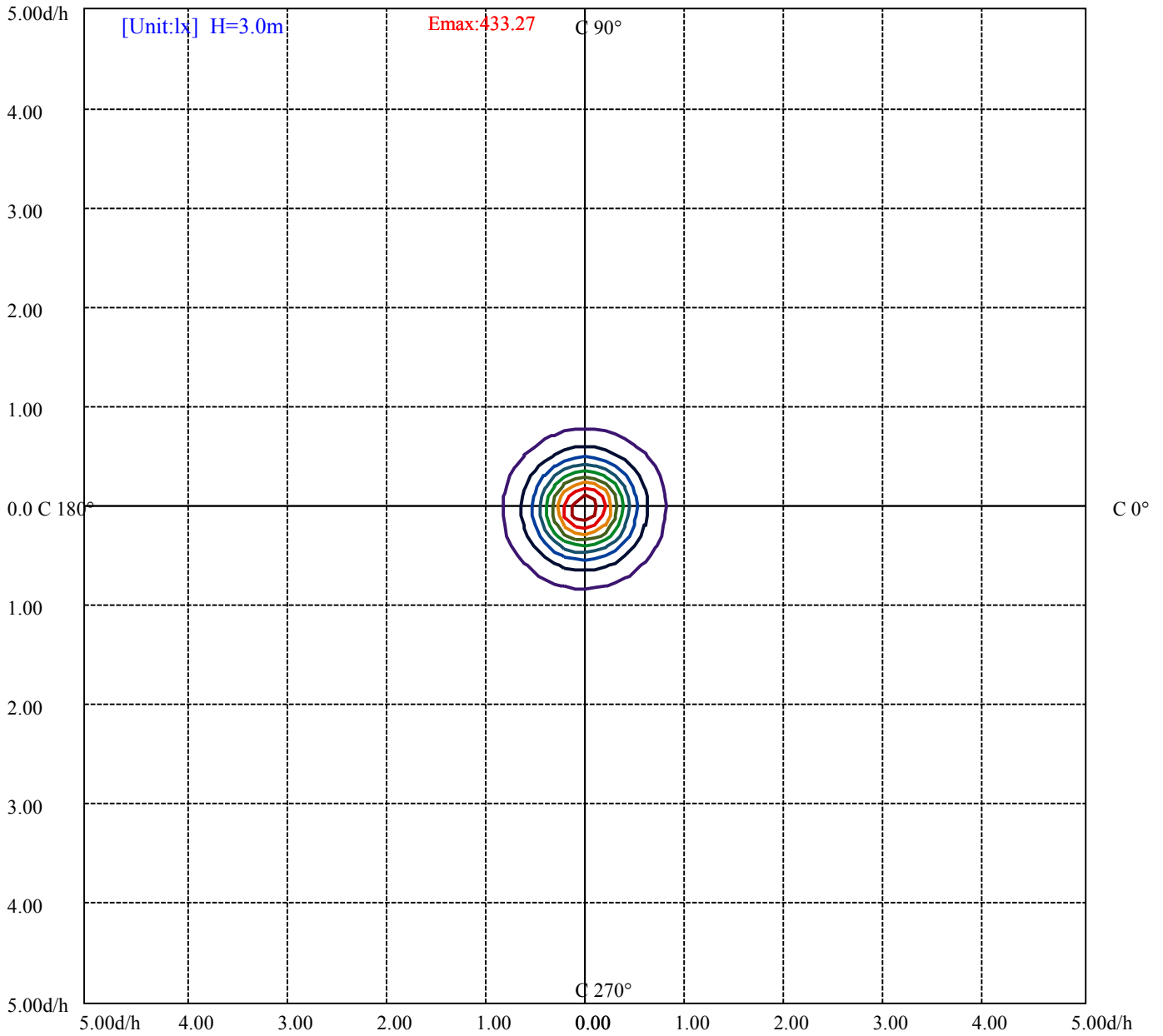


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角50.63

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平面等照度曲线



- (10%Emax) 43.32678
- (20%Emax) 86.65356
- (30%Emax) 129.98
- (40%Emax) 173.3067
- (50%Emax) 216.6344
- (60%Emax) 259.9611
- (70%Emax) 303.2878
- (80%Emax) 346.6144
- (90%Emax) 389.9411

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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

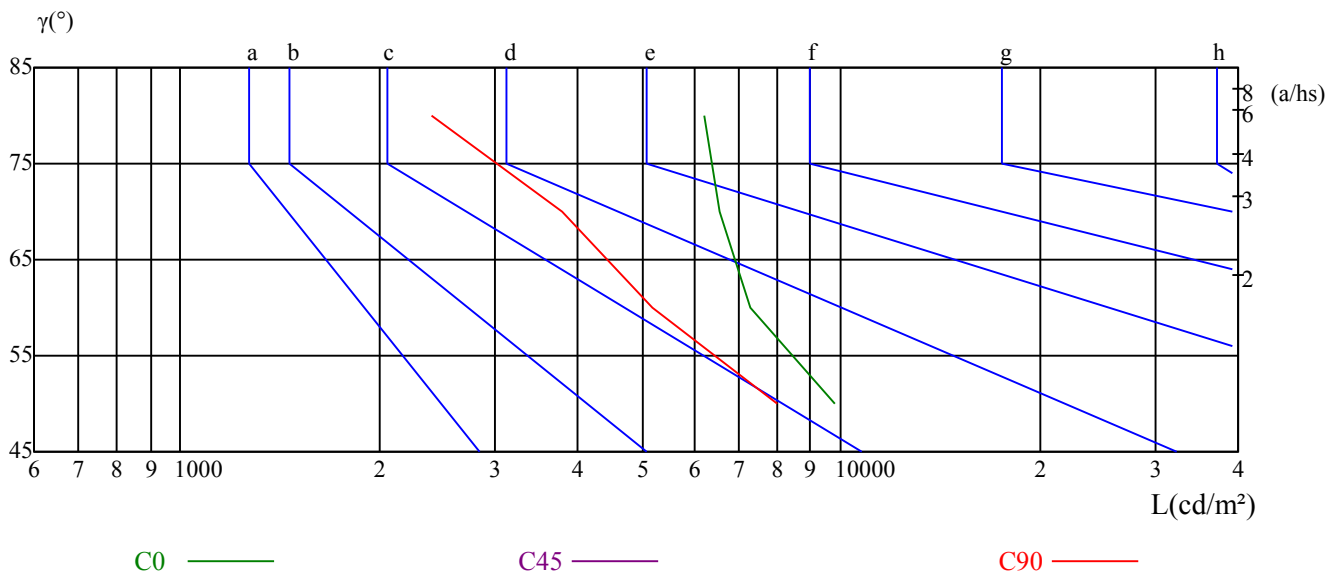
γ	45	50	55	60	65	70	75	80	85
C0	0	9785	0	7288	0	6559	0	6205	0
C45	0	0	0	0	0	0	0	0	0
C90	0	8014	0	5202	0	3788	0	2404	0

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



测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/8
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	11.55	12.83	11.91	13.14	13.45	12.65	13.93	13.02	14.24	14.56
	3H	12.65	13.79	13.03	14.12	14.48	14.18	15.31	14.56	15.65	16.01
	4H	13.06	14.12	13.47	14.47	14.86	14.80	15.86	15.20	16.21	16.59
	6H	13.34	14.31	13.75	14.68	15.07	15.32	16.29	15.74	16.67	17.06
	8H	13.40	14.32	13.83	14.71	15.12	15.53	16.45	15.96	16.84	17.25
	12H	13.46	14.35	13.90	14.73	15.16	15.84	16.72	16.27	17.10	17.53
4H	2H	12.10	13.16	12.51	13.51	13.90	13.00	14.06	13.41	14.41	14.80
	3H	13.43	14.30	13.85	14.71	15.11	14.79	15.66	15.21	16.07	16.47
	4H	13.95	14.73	14.38	15.15	15.59	15.56	16.34	15.99	16.76	17.20
	6H	14.25	14.92	14.71	15.37	15.84	16.10	16.78	16.57	17.22	17.69
	8H	14.34	14.97	14.81	15.42	15.89	16.37	17.00	16.84	17.45	17.92
8H	12H	14.41	14.97	14.90	15.45	15.92	16.70	17.26	17.19	17.74	18.21
	4H	14.27	14.90	14.74	15.34	15.82	15.70	16.33	16.17	16.78	17.25
	6H	14.67	15.19	15.18	15.68	16.16	16.39	16.90	16.89	17.40	17.88
	8H	14.81	15.27	15.34	15.79	16.28	16.73	17.19	17.25	17.70	18.20
12H	12H	15.41	15.81	15.93	16.31	16.88	17.54	17.94	18.05	18.43	19.01
	4H	14.30	14.86	14.79	15.34	15.81	15.69	16.24	16.17	16.72	17.20
	6H	15.32	15.21	15.28	15.67	16.22	16.97	16.85	16.92	17.32	17.86
	8H	14.93	15.33	15.44	15.83	16.40	16.78	17.18	17.29	17.67	18.25
对应照射距离，改变观察者位置S											
S = 1.0H	0.6/-1.0					0.4/-0.8					
S = 1.5H	1.2/-1.7					1.0/-1.1					
S = 2.0H	3.0/-2.2					2.1/-1.2					
标准表格	BK3					BK3					
更正系数	1.5					3.1					

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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	3772.42	3757.07	3714.87	3640.43	3539.14	3413.29	3259.05	3081.78	2878.43
30.0	3926.66	3898.27	3837.65	3745.56	3624.32	3475.45	3310.46	3119.38	2908.36
60.0	3872.18	3823.07	3733.28	3622.78	3480.82	3320.44	3135.50	2942.89	2724.95
90.0	3834.58	3783.16	3694.92	3582.88	3439.38	3270.56	3090.22	2889.17	2685.05
120.0	3800.05	3752.47	3668.82	3555.25	3415.59	3259.05	3077.95	2880.73	2680.44
150.0	3785.47	3755.54	3698.75	3608.20	3492.33	3348.83	3191.52	3009.65	2819.34
180.0	3772.42	3760.14	3717.17	3646.57	3546.81	3424.80	3274.39	3100.97	2916.03
210.0	3926.66	3926.66	3896.74	3832.28	3740.19	3606.67	3460.87	3279.00	3089.46
240.0	3872.18	3889.06	3870.64	3819.23	3735.59	3621.25	3468.54	3305.86	3107.11
270.0	3834.58	3852.23	3833.04	3778.56	3694.15	3570.60	3423.26	3246.00	3051.09
300.0	3800.05	3816.16	3800.81	3749.40	3664.99	3546.04	3401.78	3240.63	3044.18
330.0	3785.47	3784.70	3754.00	3692.61	3596.69	3473.14	3330.41	3152.38	2966.68
360.0	3772.42	3757.07	3714.87	3640.43	3539.14	3413.29	3259.05	3081.78	2878.43
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2679.68	2460.21	2231.53	2025.87	1815.61	1611.49	1431.92	1273.08	1119.60
30.0	2697.33	2472.49	2243.04	2018.20	1815.61	1613.79	1437.30	1270.01	1119.60
60.0	2503.95	2279.87	2055.03	1853.21	1649.86	1478.04	1306.23	1151.06	1011.94
90.0	2462.51	2242.27	2022.80	1820.98	1623.00	1437.30	1275.38	1122.67	986.85
120.0	2464.04	2244.57	2027.41	1827.89	1628.37	1458.47	1288.12	1134.10	995.90
150.0	2608.31	2393.45	2185.49	1969.85	1764.20	1568.52	1397.39	1233.17	1092.74
180.0	2711.14	2494.74	2274.50	2068.85	1857.82	1655.23	1487.40	1315.90	1159.81
210.0	2876.13	2645.91	2426.44	2199.30	1972.16	1760.36	1522.40	1396.70	1240.85
240.0	2899.91	2691.19	2456.37	2243.81	2021.27	1800.26	1602.28	1426.55	1254.66
270.0	2853.10	2627.50	2412.63	2191.63	1965.25	1765.73	1529.46	1392.79	1228.49
300.0	2850.80	2632.87	2401.12	2180.12	1970.62	1754.22	1560.08	1385.88	1216.29
330.0	2758.72	2533.11	2319.01	2098.01	1876.23	1672.11	1501.37	1322.34	1173.39
360.0	2679.68	2460.21	2231.53	2025.87	1815.61	1611.49	1431.92	1273.08	1119.60
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	996.05	879.41	775.82	689.87	612.37	546.37	488.82	435.87	388.29
30.0	992.98	876.34	774.28	685.27	612.37	544.84	489.59	437.40	395.20
60.0	896.99	790.70	696.39	618.66	546.53	482.91	428.20	382.77	340.41
90.0	865.60	764.31	671.45	588.58	520.28	459.66	406.71	356.98	315.16
120.0	881.33	775.59	681.89	604.92	533.63	473.93	417.38	373.10	331.58
150.0	959.99	845.65	745.89	659.94	587.04	522.58	468.87	418.22	387.52
180.0	1022.76	907.04	799.68	711.66	630.86	560.03	499.25	448.91	401.95
210.0	1095.74	962.21	849.49	756.17	667.23	593.10	531.79	473.32	426.58
240.0	1105.02	977.64	857.16	762.00	666.08	589.34	521.05	460.43	395.97
270.0	1088.60	952.77	842.20	739.83	646.59	564.25	488.59	423.21	371.03
300.0	1079.70	943.11	831.84	735.15	651.50	572.46	508.00	446.61	389.06
330.0	1035.65	909.49	803.29	711.28	632.55	562.95	505.70	450.99	405.40
360.0	996.05	879.41	775.82	689.87	612.37	546.37	488.82	435.87	388.29
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	339.03	305.11	277.33	252.54	229.91	210.41	192.38	175.04	155.47
30.0	352.92	313.32	276.10	249.17	225.61	203.20	183.48	164.45	146.57
60.0	305.11	271.88	241.49	214.10	189.93	169.82	150.64	128.84	107.13
90.0	274.95	240.88	209.49	180.26	152.09	131.99	116.49	102.37	89.78
120.0	297.20	264.59	234.66	209.19	184.40	164.99	146.88	130.61	110.43
150.0	340.48	308.64	278.79	251.47	227.99	205.50	185.40	163.99	144.34
180.0	361.59	327.59	295.82	268.74	241.03	218.01	196.06	177.26	159.31
210.0	381.00	341.48	305.80	272.88	245.02	220.62	199.98	179.26	161.30
240.0	348.31	307.49	274.11	243.57	215.63	191.54	170.36	152.94	134.98
270.0	326.60	282.70	246.94	214.25	185.09	162.91	144.96	127.61	112.50
300.0	338.03	299.28	266.89	237.20	209.80	186.40	166.21	148.41	132.07
330.0	363.58	322.37	285.85	256.69	232.67	210.34	189.62	171.20	154.40
360.0	339.03	305.11	277.33	252.54	229.91	210.41	192.38	175.04	155.47

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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	137.82	119.25	102.91	88.40	74.67	61.70	48.27	31.16	12.97
30.0	129.07	110.58	93.39	76.35	60.01	44.05	24.33	9.29	3.91
60.0	88.79	75.20	64.46	50.49	33.30	19.80	10.21	6.98	2.53
90.0	78.66	68.53	56.94	41.75	28.93	17.96	9.06	7.67	2.38
120.0	87.48	74.59	63.85	51.03	34.53	20.95	11.43	7.21	3.38
150.0	125.85	109.12	91.55	74.82	59.39	44.51	27.24	10.97	4.14
180.0	141.89	125.08	106.74	92.16	78.73	66.45	53.87	39.14	22.33
210.0	145.26	127.77	109.12	90.40	74.05	56.48	40.36	19.80	7.44
240.0	119.17	100.37	83.49	71.06	58.70	44.28	27.47	15.58	7.67
270.0	98.45	85.64	74.90	63.08	50.34	34.84	23.10	13.43	8.44
300.0	116.33	96.08	80.11	68.37	55.79	40.59	24.71	13.66	7.29
330.0	138.97	121.02	103.52	83.41	66.45	50.03	33.53	14.12	5.29
360.0	137.82	119.25	102.91	88.40	74.67	61.70	48.27	31.16	12.97
C/γ(°)	90.0								
0.0	0.54								
30.0	0.46								
60.0	0.38								
90.0	0.31								
120.0	0.38								
150.0	0.69								
180.0	3.76								
210.0	3.61								
240.0	5.29								
270.0	5.83								
300.0	4.53								
330.0	2.46								
360.0	0.54								