

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3255S6--48-24DC(30-OD-48WN-AA.L1000.C.CT)

报告编号:

电压(V): 24.1000

测试编号: 20210406015

电流(A): 0.6160

光源规格型号: OD

功率(W): 14.8000

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): 1000

发光面宽度(mm): 20

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1247.51

灯具效能(lm/w): 84.29

中心光强(cd): 3342.690

最大光强(cd): 3497.700

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=29.0

[C90/270]Total=29.1

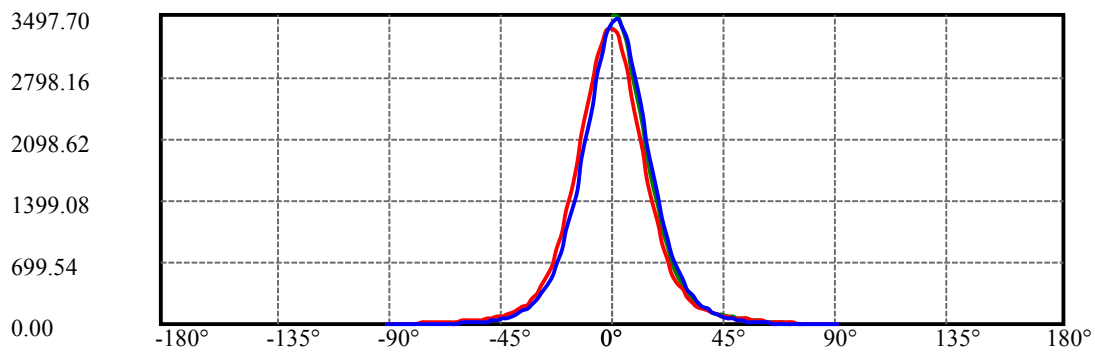
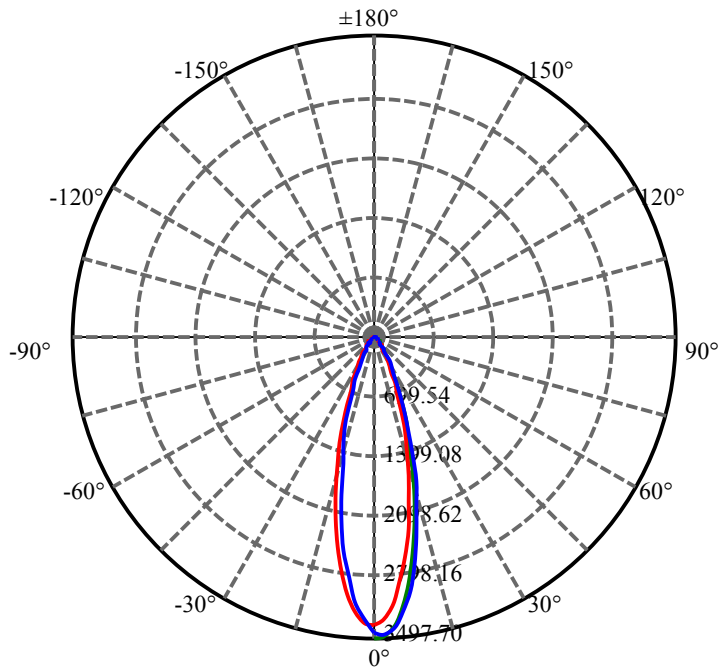
光束扩散角(10%Imax): [C0/180]Total=59.6

[C90/270]Total=59.4

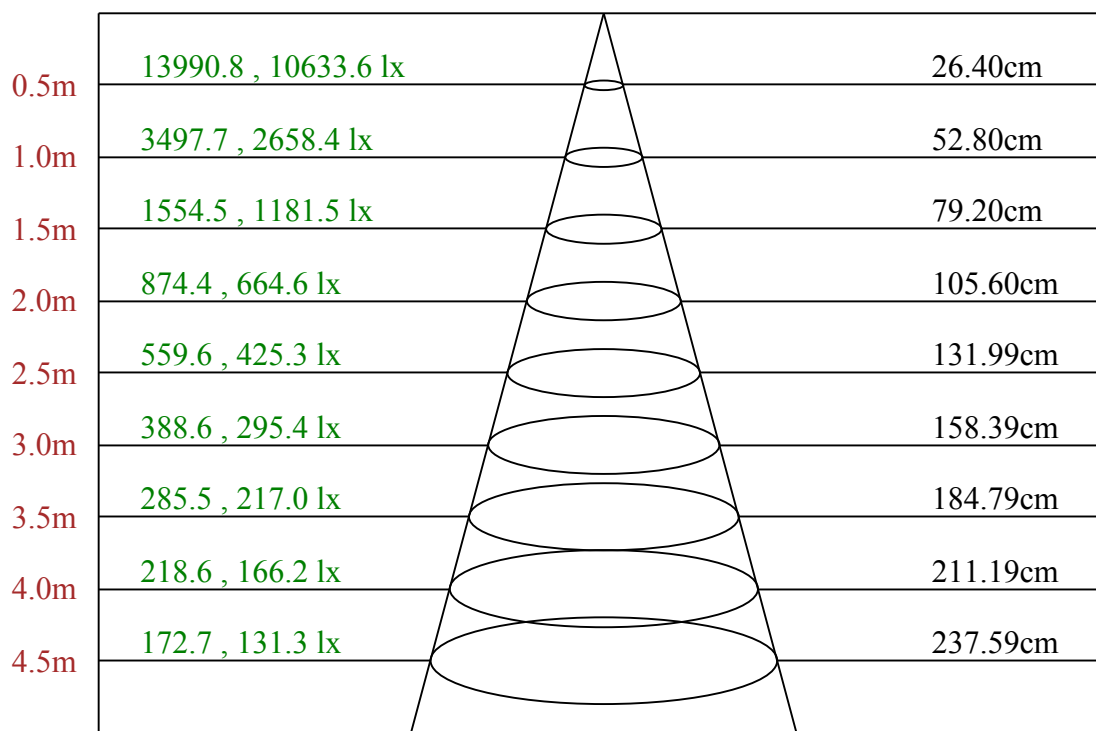
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/6
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

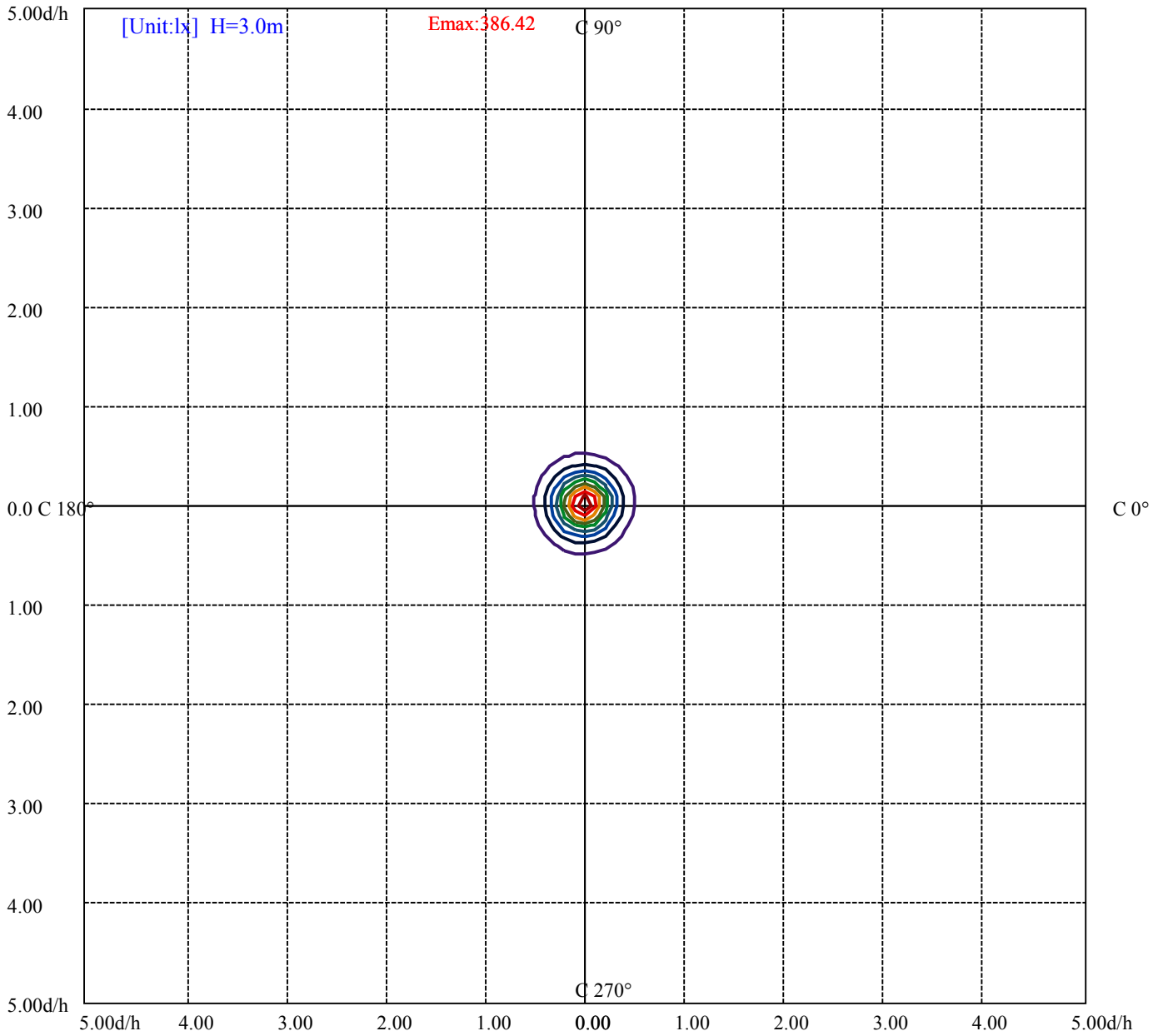


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角29.57

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平面等照度曲线



(10%Emax) 38.64156	——
(20%Emax) 77.28323	——
(30%Emax) 115.9244	——
(40%Emax) 154.5667	——
(50%Emax) 193.2078	——
(60%Emax) 231.85	——
(70%Emax) 270.4911	——
(80%Emax) 309.1322	——
(90%Emax) 347.7744	——

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测试人员: anpeilou
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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

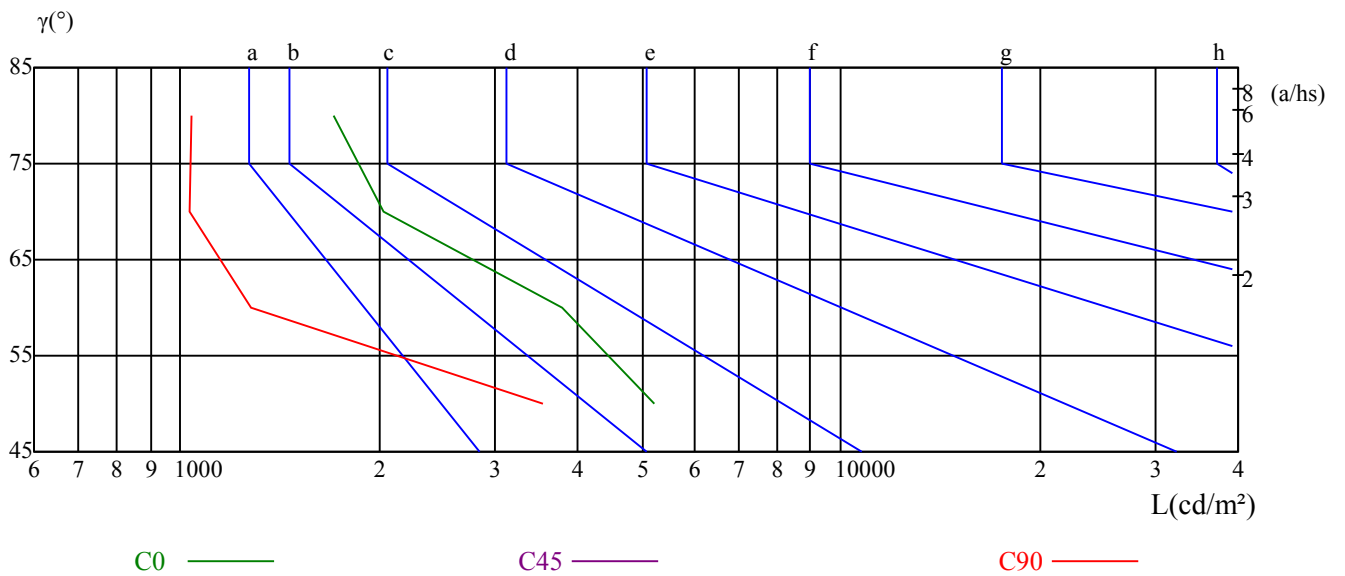
γ	45	50	55	60	65	70	75	80	85
C0	0	5217	0	3791	0	2031	0	1701	0
C45	0	0	0	0	0	0	0	0	0
C90	0	3546	0	1282	0	1032	0	1038	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
34136	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

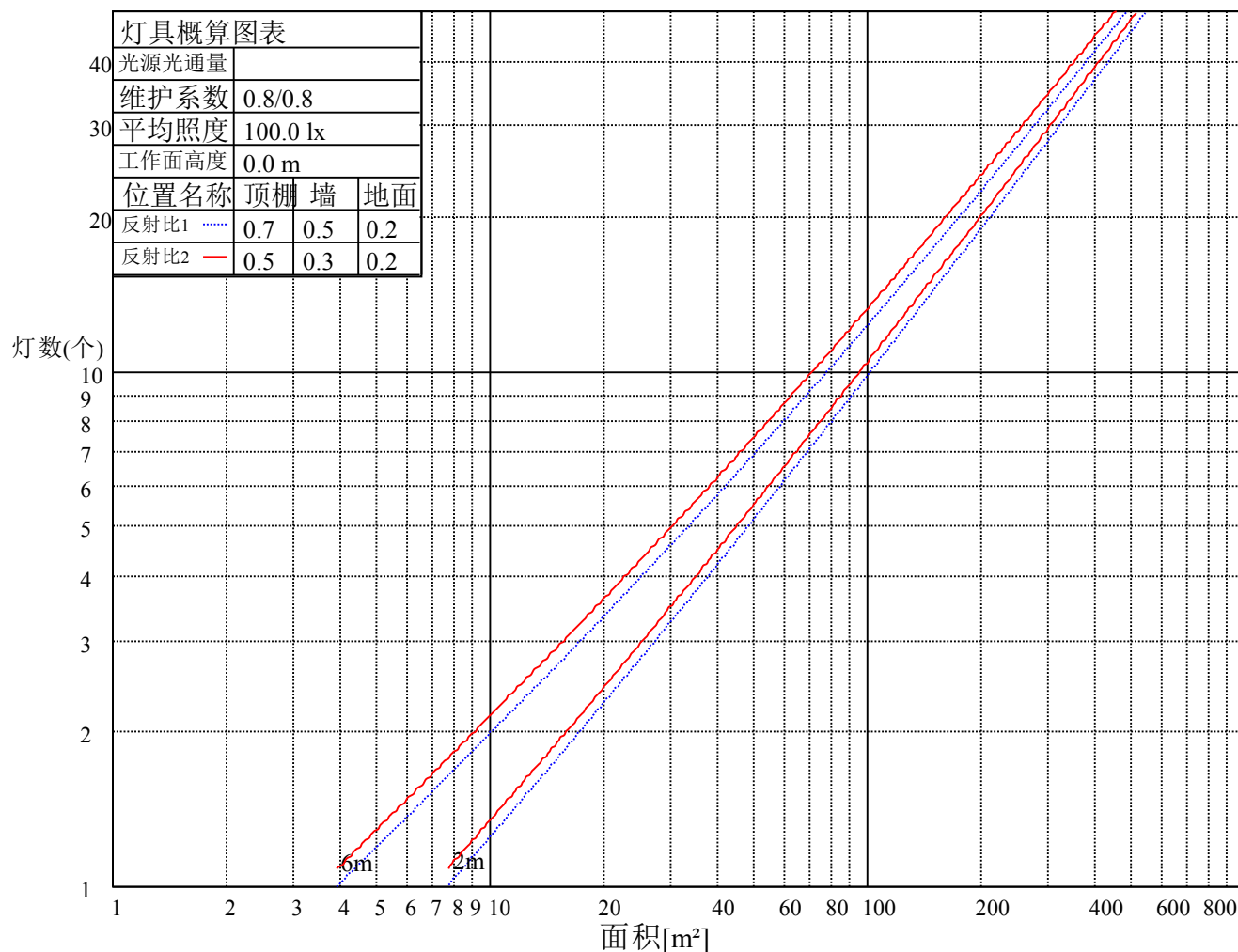
亮度限制曲线



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	5.99	7.01	6.36	7.32	7.64	10.58	11.60	10.95	11.91	12.23
	3H	6.73	7.63	7.12	7.96	8.33	11.36	12.25	11.74	12.59	12.96
	4H	7.01	7.84	7.42	8.19	8.58	11.67	12.50	12.08	12.85	13.24
	6H	7.25	8.01	7.67	8.39	8.78	11.95	12.71	12.37	13.09	13.48
	8H	7.36	8.08	7.80	8.47	8.88	12.08	12.79	12.51	13.18	13.59
	12H	7.57	8.25	8.01	8.64	9.07	12.29	12.97	12.73	13.36	13.79
4H	2H	6.49	7.32	6.89	7.67	8.06	10.52	11.35	10.92	11.70	12.09
	3H	7.36	8.03	7.77	8.44	8.85	11.41	12.08	11.82	12.49	12.90
	4H	7.67	8.28	8.11	8.70	9.15	11.78	12.39	12.22	12.81	13.26
	6H	7.93	8.44	8.40	8.89	9.37	12.11	12.62	12.58	13.07	13.55
	8H	8.08	8.56	8.55	9.01	9.48	12.29	12.77	12.76	13.22	13.69
	12H	8.31	8.73	8.81	9.22	9.70	12.56	12.97	13.05	13.46	13.94
8H	4H	7.82	8.30	8.29	8.75	9.22	11.70	12.18	12.17	12.63	13.10
	6H	8.15	8.54	8.66	9.04	9.52	12.06	12.44	12.57	12.95	13.43
	8H	8.37	8.71	8.90	9.23	9.73	12.29	12.63	12.83	13.15	13.65
	12H	9.09	9.38	9.61	9.88	10.46	13.10	13.39	13.62	13.89	14.47
12H	4H	7.81	8.22	8.30	8.71	9.19	11.64	12.06	12.14	12.55	13.03
	6H	8.46	8.52	8.71	8.99	9.54	12.30	12.36	12.55	12.83	13.38
	8H	8.44	8.74	8.97	9.24	9.82	12.28	12.57	12.80	13.07	13.65
对应照射距离，改变观察者位置S											
S = 1.0H		2.7/-3.7					1.4/-1.5				
S = 1.5H		4.9/-5.1					2.7/-2.5				
S = 2.0H		6.8/-5.2					5.1/-3.6				
标准表格		BK1					BK1				
更正系数		-5.2					-3.8				

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灯具的概算曲线



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灯具的利用系数表

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.04	1.01	0.97	1.03	0.99	0.96	0.99	0.97	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.89
3	0.98	0.94	0.90	0.97	0.93	0.89	0.94	0.91	0.88	0.92	0.89	0.86	0.90	0.87	0.85	0.84
4	0.93	0.88	0.84	0.92	0.87	0.83	0.90	0.86	0.82	0.88	0.84	0.81	0.86	0.83	0.81	0.79
5	0.88	0.83	0.79	0.87	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.75
6	0.84	0.78	0.74	0.83	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.71
7	0.80	0.74	0.71	0.79	0.74	0.70	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.68
8	0.76	0.71	0.67	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.65
9	0.73	0.68	0.64	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.62
10	0.70	0.65	0.62	0.70	0.65	0.62	0.69	0.64	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.60

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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	3342.69	3269.79	3100.20	2869.22	2582.22	2260.69	1956.81	1650.63	1362.09
30.0	3497.70	3477.75	3357.27	3140.10	2878.43	2563.04	2231.53	1903.09	1589.24
60.0	3457.80	3456.26	3335.78	3144.71	2875.36	2580.69	2258.39	1930.72	1580.03
90.0	3420.96	3450.89	3373.38	3207.63	2965.91	2686.58	2366.59	2046.59	1745.78
120.0	3414.82	3435.54	3346.53	3180.77	2932.14	2636.70	2337.43	2012.83	1711.25
150.0	3296.65	3320.44	3242.16	3076.41	2840.83	2576.85	2276.04	1968.32	1676.72
180.0	3342.69	3315.83	3196.89	2998.14	2754.88	2460.21	2153.26	1839.40	1521.32
210.0	3497.70	3413.29	3229.89	2996.60	2703.47	2381.94	2074.22	1751.92	1471.06
240.0	3457.80	3359.57	3176.17	2917.56	2623.66	2315.94	1987.50	1677.48	1382.81
270.0	3420.96	3285.14	3073.34	2799.39	2487.07	2177.81	1863.19	1518.87	1287.81
300.0	3414.82	3292.81	3090.99	2817.80	2510.85	2198.53	1875.47	1573.89	1293.03
330.0	3296.65	3167.73	2961.30	2697.33	2391.91	2084.19	1773.41	1487.02	1220.20
360.0	3342.69	3269.79	3100.20	2869.22	2582.22	2260.69	1956.81	1650.63	1362.09
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1124.21	910.88	724.40	575.53	465.03	388.29	303.57	248.63	203.97
30.0	1319.89	1075.86	873.27	696.78	553.28	439.71	371.33	289.30	236.51
60.0	1360.79	1108.47	891.54	722.41	574.38	461.81	370.72	298.74	242.18
90.0	1438.83	1190.20	961.52	779.65	620.04	491.89	395.20	316.47	254.39
120.0	1432.54	1172.63	947.25	769.37	612.90	487.67	390.59	317.31	256.61
150.0	1395.09	1143.39	921.62	748.19	596.25	474.24	389.06	310.86	255.54
180.0	1291.26	1048.01	849.64	679.05	538.24	427.12	345.63	278.17	228.06
210.0	1203.48	968.43	772.29	621.73	492.35	390.82	317.16	255.54	208.50
240.0	1139.55	920.85	730.54	587.04	467.33	389.06	301.96	244.87	197.60
270.0	1059.13	849.26	682.73	543.23	429.42	344.78	276.64	221.39	178.57
300.0	1063.58	858.69	690.64	549.44	438.94	350.61	284.31	234.28	190.62
330.0	1005.72	809.66	654.26	523.81	418.07	335.88	276.72	227.30	188.70
360.0	1124.21	910.88	724.40	575.53	465.03	388.29	303.57	248.63	203.97
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	170.51	145.42	124.16	107.36	94.62	83.26	74.51	67.07	60.70
30.0	197.06	164.53	140.05	119.40	102.75	89.32	78.73	69.60	61.54
60.0	200.13	164.76	136.52	114.88	95.92	79.58	65.61	54.02	43.51
90.0	206.12	169.59	138.13	113.19	91.09	72.52	57.17	45.58	35.91
120.0	209.34	173.04	142.42	118.94	98.30	80.73	66.07	54.33	43.82
150.0	208.27	171.05	142.42	120.48	101.83	86.71	75.20	64.54	55.40
180.0	186.70	153.48	127.08	107.66	91.85	79.04	69.22	60.62	53.64
210.0	173.73	144.11	120.32	101.52	86.41	73.59	63.92	54.87	47.04
240.0	163.37	134.98	111.04	91.85	76.20	61.54	49.88	40.75	32.54
270.0	146.57	117.79	95.15	75.74	59.01	46.35	36.68	29.39	23.25
300.0	158.77	131.76	108.81	91.24	75.51	61.54	49.96	40.44	32.00
330.0	160.84	137.13	118.18	103.52	90.24	79.58	70.91	63.08	54.41
360.0	170.51	145.42	124.16	107.36	94.62	83.26	74.51	67.07	60.70
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	55.02	50.03	44.35	37.91	30.85	23.56	19.11	16.04	13.89
30.0	54.33	46.20	37.83	30.08	23.94	19.64	16.35	13.28	10.67
60.0	34.61	27.86	21.79	17.19	13.97	11.89	10.51	9.44	8.06
90.0	27.55	21.10	15.96	12.82	10.90	9.75	8.75	7.90	7.06
120.0	35.38	28.62	22.71	17.80	13.97	11.36	9.67	8.52	7.37
150.0	47.42	40.75	34.61	29.62	25.02	21.26	17.96	15.12	12.74
180.0	47.27	42.13	37.14	32.77	28.55	24.40	21.03	18.19	16.04
210.0	40.21	34.07	28.55	23.94	20.03	16.58	13.66	11.20	8.90
240.0	26.47	21.49	17.34	14.12	11.89	10.21	9.13	7.98	6.68
270.0	18.49	14.73	12.43	11.05	10.05	8.98	8.29	7.21	6.37
300.0	25.71	20.95	16.96	14.20	12.43	11.20	10.13	8.90	7.44
330.0	45.97	37.06	29.54	23.79	19.95	16.73	13.74	11.36	9.29
360.0	55.02	50.03	44.35	37.91	30.85	23.56	19.11	16.04	13.89

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光强数据表(cd)

附页 第 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	11.97	10.28	8.67	7.29	5.91	4.76	3.53	2.38	0.92
30.0	8.44	6.68	5.14	3.99	2.92	1.69	1.30	0.84	0.61
60.0	6.75	5.22	3.91	3.45	2.92	2.30	1.84	1.61	1.00
90.0	5.99	5.06	4.37	3.99	3.61	2.69	2.46	2.15	1.30
120.0	5.91	4.37	3.22	2.76	2.46	2.00	1.61	1.53	0.92
150.0	10.74	8.98	7.44	6.45	5.45	4.60	4.30	3.91	3.91
180.0	14.20	12.58	11.05	9.59	8.36	7.06	5.76	4.30	2.30
210.0	7.06	5.29	4.07	2.99	1.92	1.38	1.00	0.69	0.31
240.0	5.37	4.22	3.45	3.15	2.53	2.00	1.69	1.23	0.31
270.0	5.37	4.91	4.45	3.76	2.84	2.69	2.23	1.30	0.08
300.0	5.76	4.53	3.76	3.30	2.69	2.15	1.76	1.15	0.08
330.0	7.44	5.91	4.83	3.68	2.30	1.84	1.38	1.07	0.69
360.0	11.97	10.28	8.67	7.29	5.91	4.76	3.53	2.38	0.92
C/γ(°)	90.0								
0.0	0.08								
30.0	0.08								
60.0	0.00								
90.0	0.08								
120.0	0.15								
150.0	3.68								
180.0	0.23								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.38								
360.0	0.08								