

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2021A-16-UN (15-OL-16WN-C, P1)

报告编号:

电压(V): 220.6000

测试编号: 20210317005

电流(A): 0.1100

光源规格型号: OL

功率(W): 19.5000

每个光源光通量(lm)

功率因数: 0.8050

光源数量: 16

镇流器型号:

发光面长度(mm): 155

发光面宽度(mm): 155

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1728.94

灯具效能(lm/w): 88.66

中心光强(cd): 13086.830

最大光强(cd): 13115.990

最大光强角度: C=120.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=15.1

[C90/270]Total=14.9

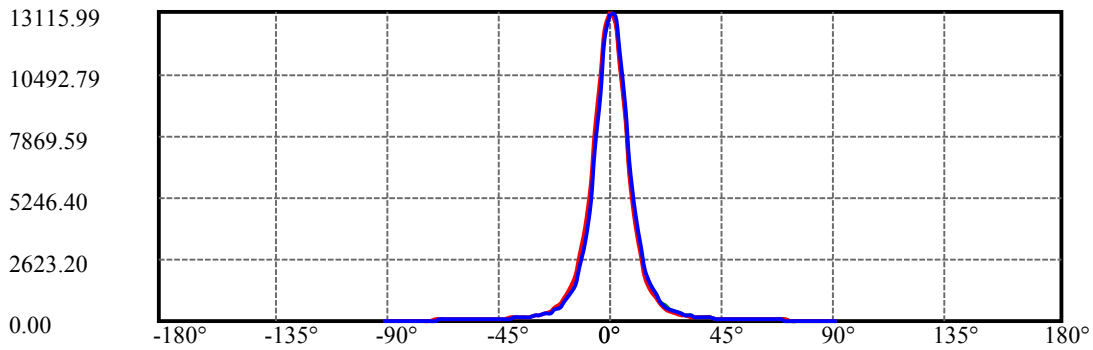
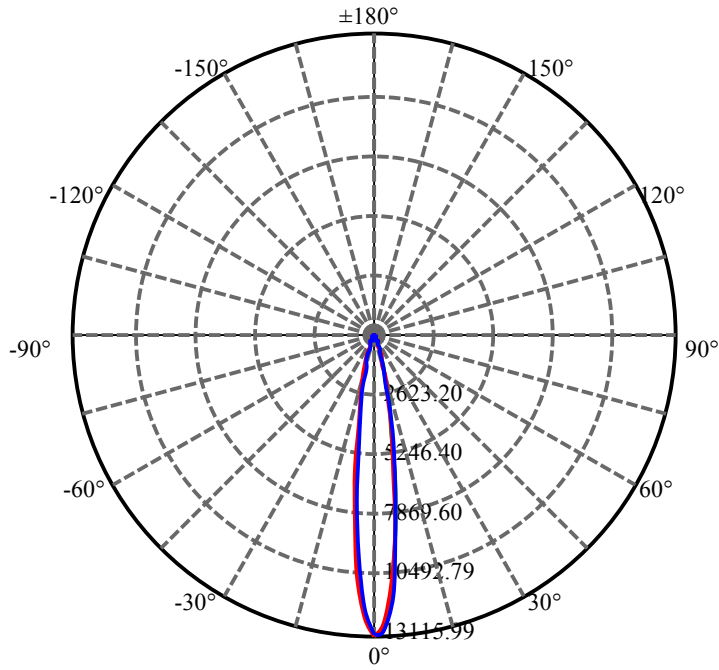
光束扩散角(10%Imax): [C0/180]Total=32.5

[C90/270]Total=32.4

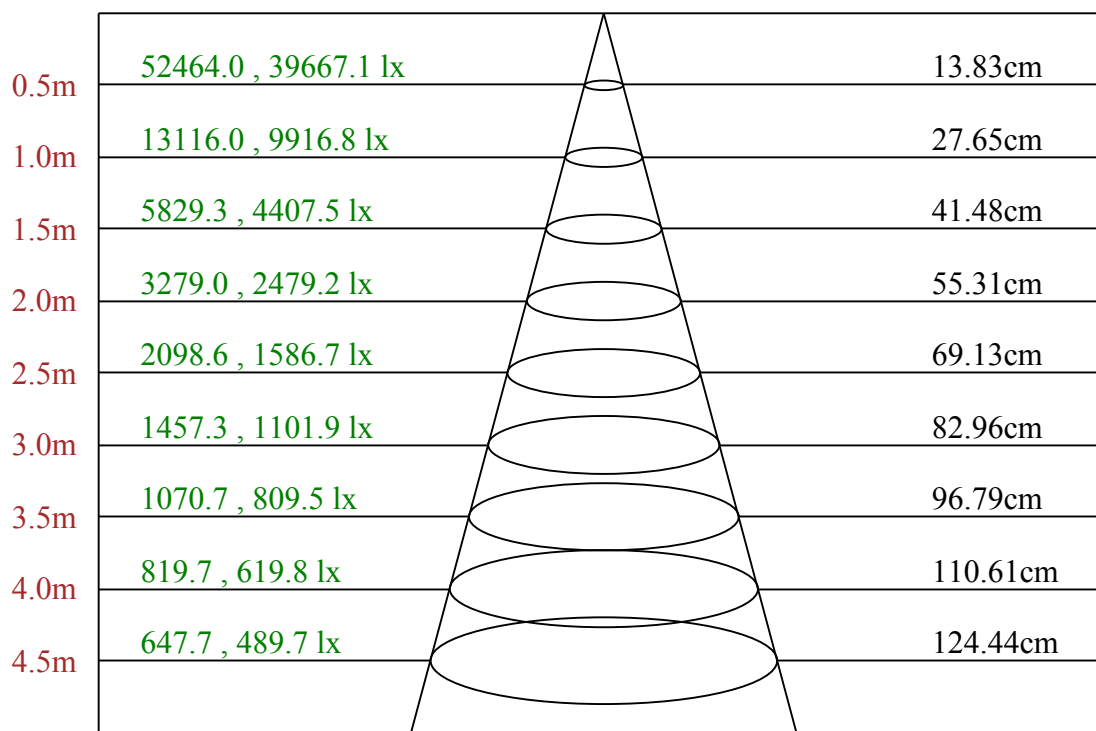
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/17
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

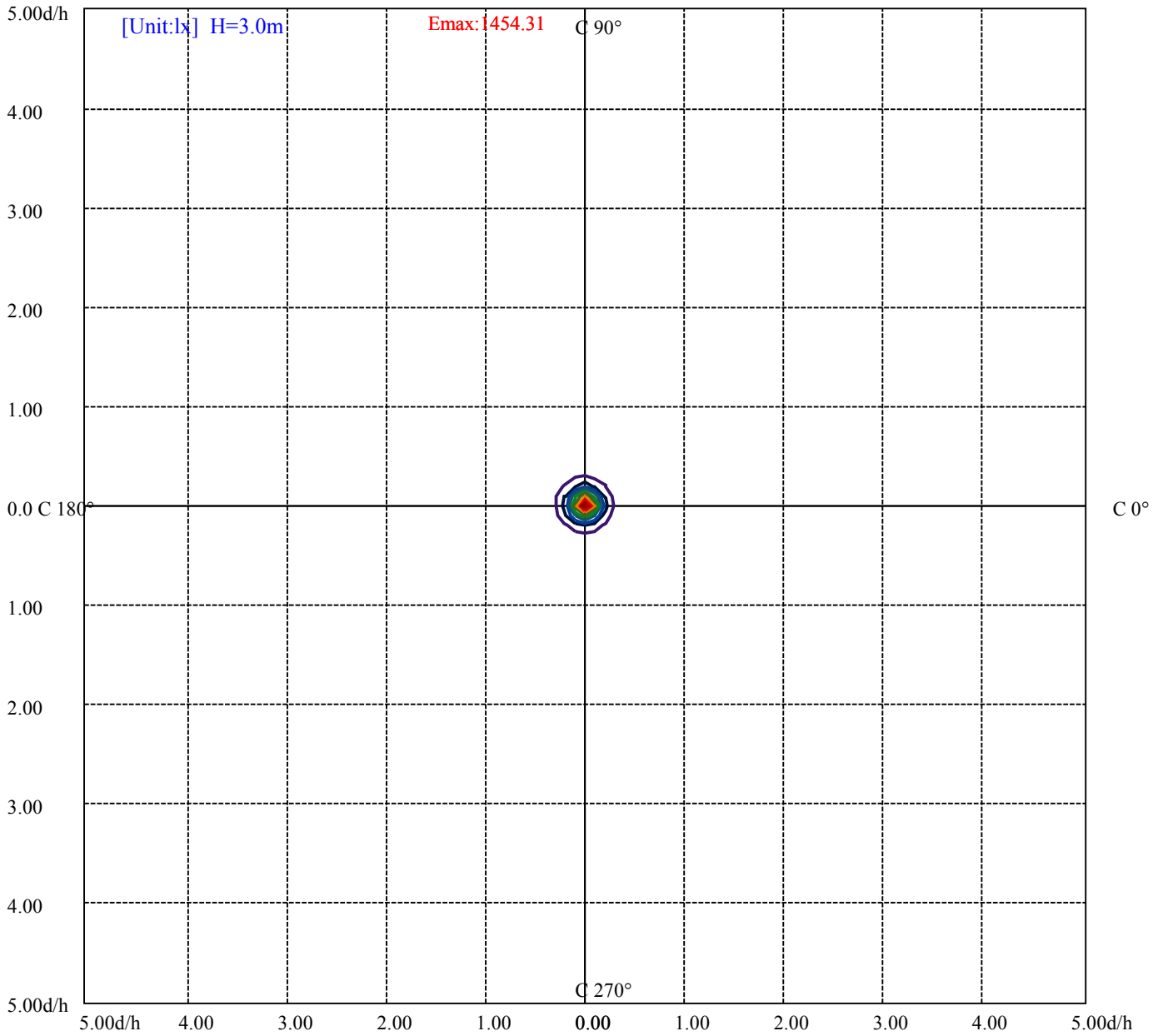


C120(Max): —
C0/C180: —
C90/C270: —



Max , Ave C120面光束角15.74

ROLED 投光灯
平面等照度曲线



- (10%Emax) 145.43
- (20%Emax) 290.86
- (30%Emax) 436.2911
- (40%Emax) 581.7211
- (50%Emax) 727.1511
- (60%Emax) 872.5811
- (70%Emax) 1018.012
- (80%Emax) 1163.444
- (90%Emax) 1308.867

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测试人员: anpeilou
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ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

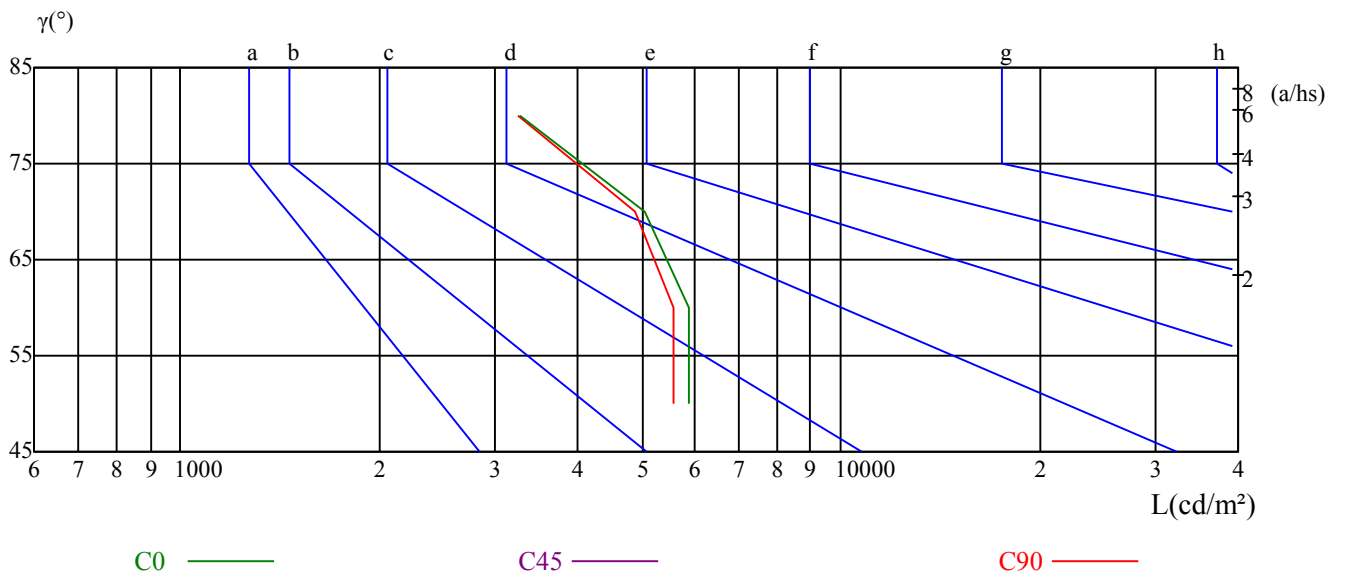
γ	45	50	55	60	65	70	75	80	85
C0	0	5893	0	5871	0	5052	0	3274	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5590	0	5564	0	4875	0	3237	0

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

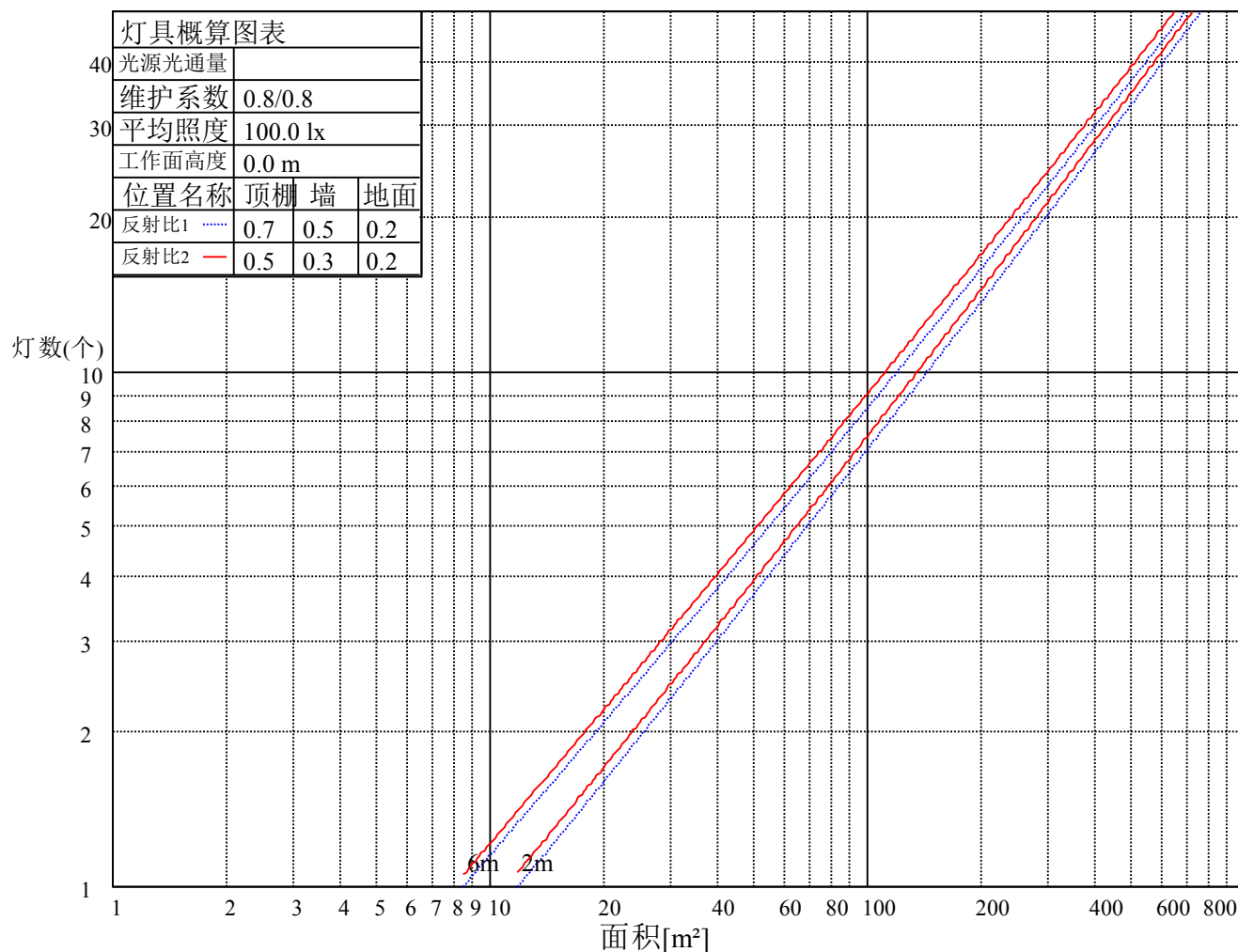
眩光等级表

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



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	12.20	13.28	12.57	13.59	13.90	12.52	13.59	12.88	13.90	14.22
	3H	13.92	14.87	14.30	15.20	15.57	14.26	15.21	14.64	15.55	15.91
	4H	14.47	15.36	14.88	15.71	16.10	14.82	15.71	15.23	16.06	16.45
	6H	14.74	15.56	15.16	15.93	16.33	15.10	15.91	15.52	16.29	16.68
	8H	14.77	15.54	15.21	15.93	16.34	15.13	15.89	15.56	16.29	16.70
	12H	14.77	15.50	15.20	15.88	16.31	15.12	15.85	15.56	16.24	16.67
4H	2H	12.90	13.78	13.30	14.14	14.52	13.14	14.02	13.54	14.38	14.76
	3H	14.80	15.53	15.22	15.94	16.34	15.06	15.78	15.47	16.19	16.60
	4H	15.45	16.10	15.89	16.52	16.97	15.72	16.37	16.15	16.79	17.24
	6H	15.73	16.29	16.20	16.74	17.21	16.01	16.57	16.48	17.02	17.49
	8H	15.77	16.29	16.24	16.74	17.21	16.05	16.56	16.52	17.01	17.49
	12H	15.76	16.21	16.25	16.70	17.17	16.04	16.49	16.53	16.97	17.45
8H	4H	15.66	16.18	16.14	16.63	17.10	15.90	16.42	16.37	16.87	17.34
	6H	16.02	16.43	16.52	16.93	17.41	16.26	16.67	16.77	17.17	17.66
	8H	16.08	16.45	16.61	16.97	17.46	16.33	16.69	16.86	17.21	17.71
	12H	16.70	17.02	17.22	17.51	18.09	16.95	17.26	17.47	17.76	18.34
12H	4H	15.64	16.09	16.13	16.57	17.05	15.87	16.32	16.36	16.81	17.29
	6H	16.35	16.37	16.54	16.84	17.39	16.59	16.61	16.78	17.08	17.63
	8H	16.10	16.41	16.62	16.91	17.49	16.34	16.65	16.86	17.15	17.73
对应照射距离，改变观察者位置S											
S = 1.0H		0.2/-0.5					0.3/-0.6				
S = 1.5H		0.8/-0.6					0.8/-0.6				
S = 2.0H		1.0/-0.9					1.0/-0.8				
标准表格		BK3					BK3				
更正系数		-0.5					-0.4				



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	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.05	1.01	0.98	1.03	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.91	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.85
4	0.94	0.90	0.86	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.88	0.85	0.83	0.81
5	0.90	0.86	0.82	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.78
6	0.87	0.82	0.79	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.76
7	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.73
8	0.81	0.77	0.73	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
9	0.79	0.74	0.71	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
10	0.77	0.72	0.69	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68

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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	13086.83	12558.11	10833.05	8520.94	6152.82	4160.71	2741.83	1913.84	1339.07
30.0	13079.92	12745.35	11118.51	8901.56	6455.17	4384.02	2932.91	2031.24	1418.11
60.0	13097.57	12685.49	10962.73	8582.33	6246.44	4265.08	2885.33	2015.90	1433.15
90.0	13027.74	12856.62	11379.42	9067.31	6742.93	4654.90	3178.47	2237.67	1583.10
120.0	13115.99	12639.45	11021.82	8698.97	6397.61	4433.13	3054.92	2131.00	1511.81
150.0	13058.44	12720.79	11113.14	8941.47	6551.86	4530.59	3109.41	2203.14	1562.38
180.0	13086.83	12328.66	10455.50	8095.82	5868.89	4014.91	2736.46	1924.58	1370.84
210.0	13079.92	12099.98	10034.21	7720.57	5472.93	3679.57	2490.14	1662.14	1246.22
240.0	13097.57	12180.56	10133.97	7603.93	5459.88	3665.76	2434.88	1695.13	1217.83
270.0	13027.74	11856.73	9616.76	7245.56	5036.29	3325.81	2268.36	1525.93	1112.16
300.0	13115.99	12198.98	10173.87	7652.27	5495.18	3675.73	2471.72	1707.41	1204.01
330.0	13058.44	12149.86	10117.85	7785.03	5383.91	3651.94	2442.56	1511.04	1212.61
360.0	13086.83	12558.11	10833.05	8520.94	6152.82	4160.71	2741.83	1913.84	1339.07
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	946.94	699.85	524.89	411.31	326.21	270.50	227.07	197.29	172.74
30.0	1012.94	739.75	555.58	432.80	343.32	281.70	235.89	203.43	176.65
60.0	1027.75	738.52	563.64	437.40	347.77	282.39	235.81	201.05	176.27
90.0	1138.79	814.95	610.83	468.87	391.36	295.36	244.79	208.50	179.64
120.0	1124.97	808.12	613.52	471.55	370.34	296.36	245.94	208.42	181.71
150.0	1140.32	818.02	609.30	468.10	391.36	297.20	246.86	211.41	183.17
180.0	981.40	708.06	542.38	421.21	336.34	275.26	231.67	199.36	174.58
210.0	905.12	664.62	503.17	394.51	317.46	260.75	220.47	192.07	167.21
240.0	862.53	643.06	489.59	390.59	307.10	256.30	216.32	187.09	164.53
270.0	793.24	591.57	450.30	359.29	289.68	239.81	204.12	176.96	156.47
300.0	852.55	635.39	483.45	391.36	308.18	254.54	215.25	186.63	164.45
330.0	866.67	642.45	487.13	383.38	306.87	255.15	217.09	188.93	165.37
360.0	946.94	699.85	524.89	411.31	326.21	270.50	227.07	197.29	172.74
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	153.48	140.20	127.77	117.56	109.27	102.06	96.00	91.01	86.71
30.0	156.01	139.66	127.15	116.72	108.28	101.75	95.92	91.09	86.56
60.0	155.70	139.43	126.77	116.33	108.51	100.53	95.08	89.78	85.56
90.0	157.85	140.28	126.54	115.18	106.44	98.45	91.85	86.33	81.80
120.0	159.84	142.19	128.69	117.49	108.66	101.37	95.69	90.32	85.95
150.0	161.30	144.42	129.92	118.71	109.89	103.14	97.23	92.09	87.79
180.0	155.62	140.51	128.61	118.10	109.27	102.21	96.31	91.16	86.41
210.0	149.18	134.29	122.40	112.96	105.28	99.22	93.93	89.09	84.87
240.0	146.49	133.52	120.86	112.27	104.67	98.30	92.39	87.56	83.49
270.0	139.89	127.15	115.64	106.67	99.30	92.39	86.79	82.03	77.97
300.0	145.80	132.68	120.86	111.27	103.83	97.30	91.62	86.94	83.03
330.0	147.64	133.75	121.78	112.57	105.05	98.91	93.62	88.86	85.10
360.0	153.48	140.20	127.77	117.56	109.27	102.06	96.00	91.01	86.71
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	82.19	78.35	74.44	70.52	66.22	61.47	54.79	48.34	41.52
30.0	82.57	78.66	75.05	71.29	67.22	62.85	57.86	52.03	44.97
60.0	81.57	77.74	74.21	70.37	66.84	62.46	58.01	52.49	44.97
90.0	77.66	73.82	70.60	66.84	62.85	58.01	52.03	45.81	40.06
120.0	82.03	78.27	74.67	70.91	67.30	63.23	58.63	52.49	44.89
150.0	83.87	79.96	76.66	73.05	68.99	64.54	59.63	53.87	45.97
180.0	82.19	78.27	74.59	70.68	66.22	60.78	54.02	47.50	40.82
210.0	81.03	77.43	73.28	69.91	65.61	61.01	55.56	48.81	42.21
240.0	79.42	75.59	71.90	68.37	64.61	60.32	55.86	50.11	42.59
270.0	74.05	70.60	66.99	63.16	58.63	53.41	47.12	41.28	35.84
300.0	78.89	75.13	71.52	68.07	64.31	60.47	55.40	49.42	42.28
330.0	81.27	77.58	73.67	70.21	65.99	61.08	56.25	50.19	43.20
360.0	82.19	78.35	74.44	70.52	66.22	61.47	54.79	48.34	41.52

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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	35.76	31.00	25.55	19.03	13.66	7.52	1.92	1.30	0.61
30.0	38.98	32.84	27.70	22.41	14.12	9.06	3.76	1.23	0.69
60.0	38.91	32.61	27.09	21.10	13.43	8.75	3.68	1.07	0.54
90.0	34.84	30.16	25.78	18.88	13.51	8.29	2.92	1.07	0.69
120.0	38.91	32.54	27.47	21.26	13.28	8.44	3.45	1.00	0.46
150.0	39.67	33.23	27.86	21.26	13.51	8.67	3.15	1.07	0.46
180.0	35.22	30.16	24.48	17.27	12.43	5.99	1.61	1.07	0.46
210.0	36.07	30.31	25.17	18.19	11.05	6.06	1.53	0.92	0.31
240.0	36.07	30.16	24.79	18.11	11.43	6.68	1.76	0.84	0.38
270.0	30.85	26.78	20.80	15.04	10.67	5.29	1.61	0.92	0.31
300.0	35.91	30.23	25.25	19.11	11.74	6.91	2.07	1.00	0.38
330.0	36.83	30.54	25.40	19.11	11.59	7.52	2.30	1.00	0.38
360.0	35.76	31.00	25.55	19.03	13.66	7.52	1.92	1.30	0.61

C/γ(°)	90.0
0.0	0.08
30.0	0.15
60.0	0.15
90.0	0.15
120.0	0.15
150.0	0.08
180.0	0.08
210.0	0.00
240.0	0.08
270.0	0.00
300.0	0.00
330.0	0.15
360.0	0.08