

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1214A1-18-36DC-RC-Y(25-CL-18RGBWN-AJ, CT)

报告编号:

电压(V): 35.8000

测试编号: 20210419001

电流(A): 0.8890

光源规格型号: CL

功率(W): 31.8000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 18

镇流器型号:

发光面长度(mm): 162

发光面宽度(mm): 162

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1637.96

灯具效能(lm/w): 51.51

中心光强(cd): 4400.901

最大光强(cd): 4486.080

最大光强角度: C=60.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=26.7

[C90/270]Total=26.1

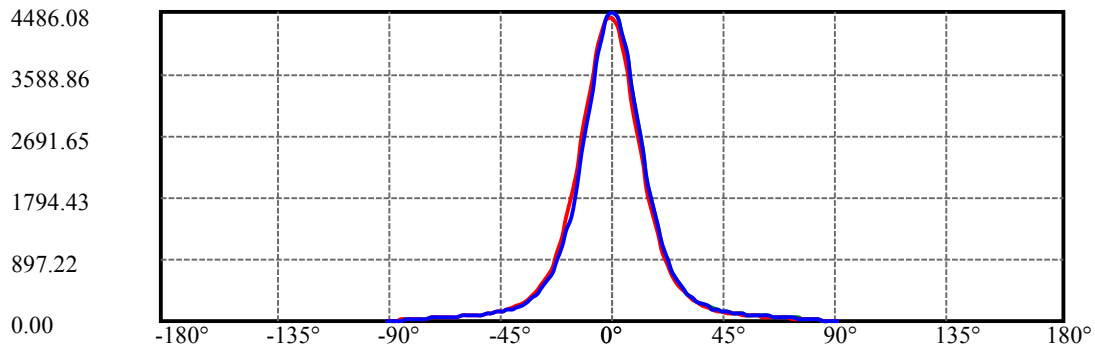
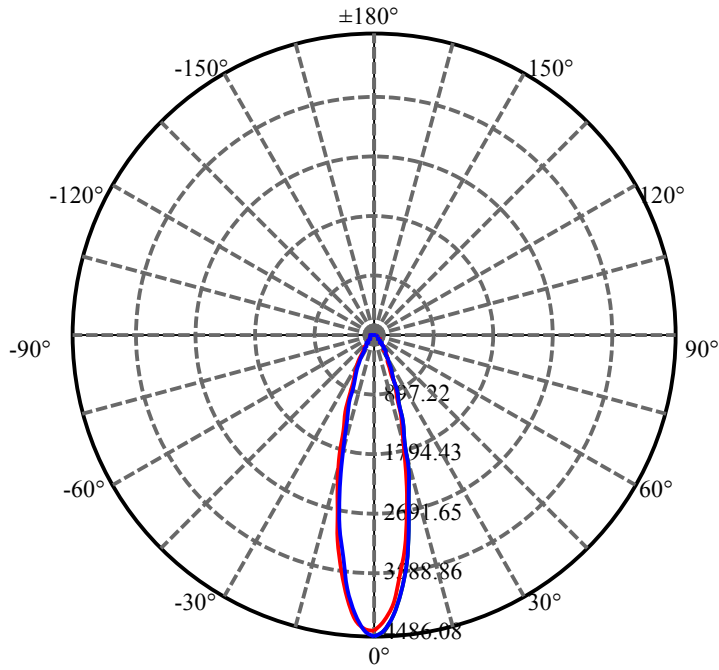
光束扩散角(10%Imax): [C0/180]Total=58.1

[C90/270]Total=57.4

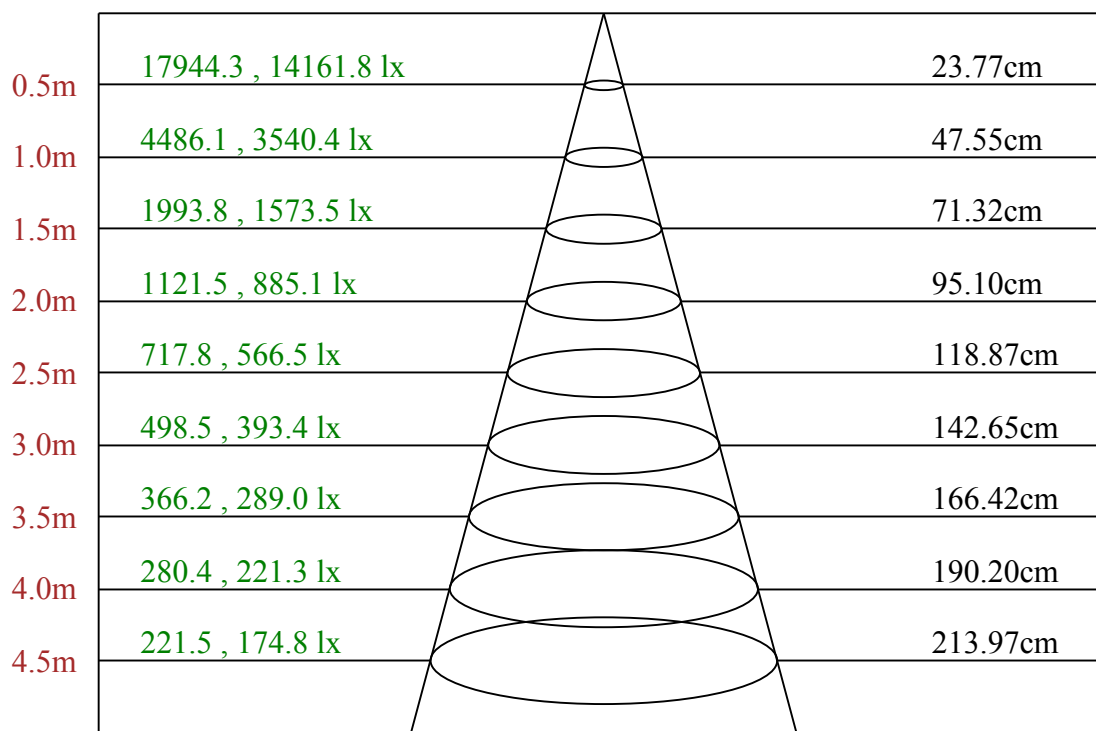
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/19
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

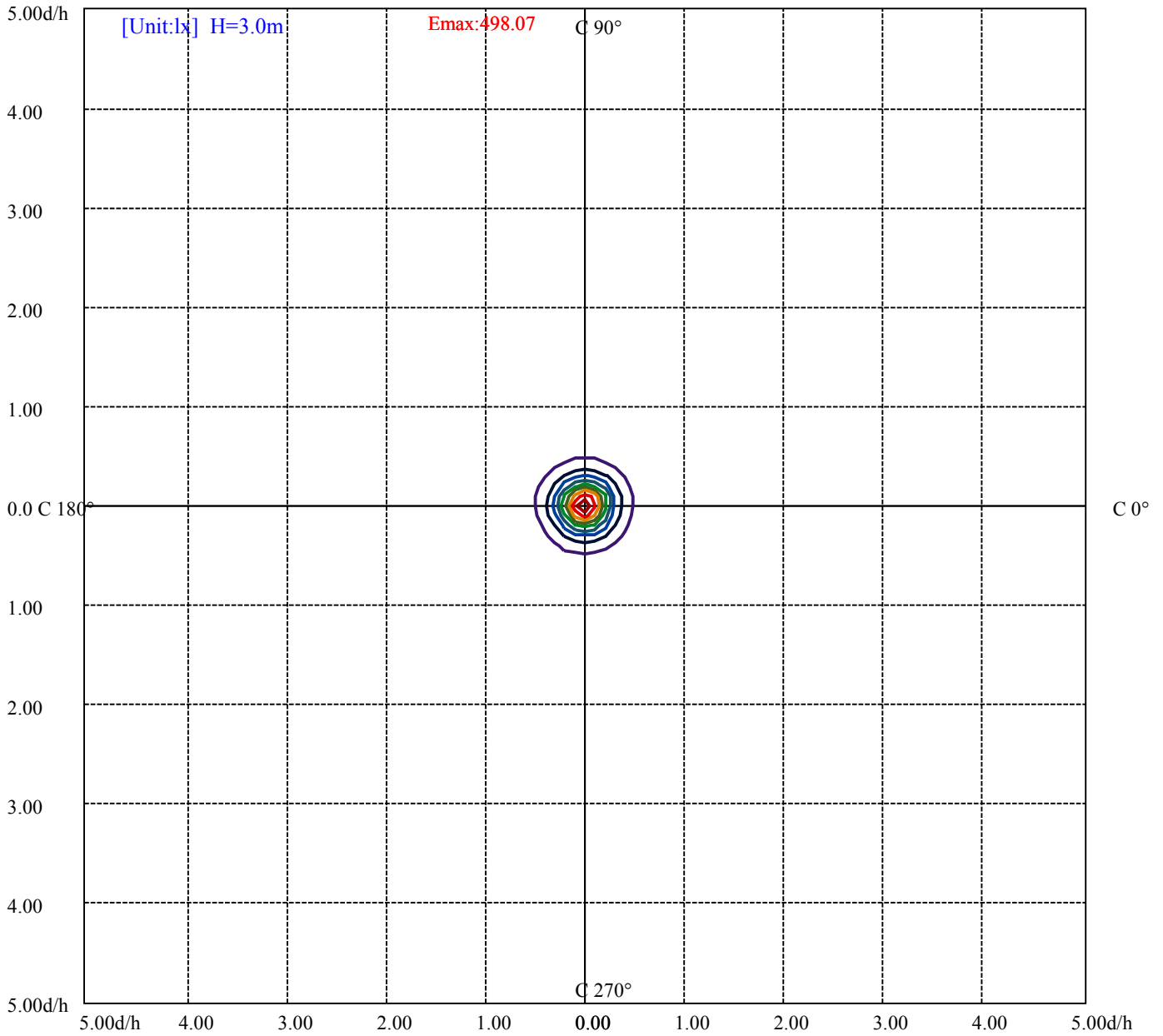


C60(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C60面光束角26.75

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平面等照度曲线



(10%Emax) 49.80689	——
(20%Emax) 99.61389	——
(30%Emax) 149.4211	——
(40%Emax) 199.2278	——
(50%Emax) 249.0345	——
(60%Emax) 298.8411	——
(70%Emax) 348.6489	——
(80%Emax) 398.4556	——
(90%Emax) 448.2622	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

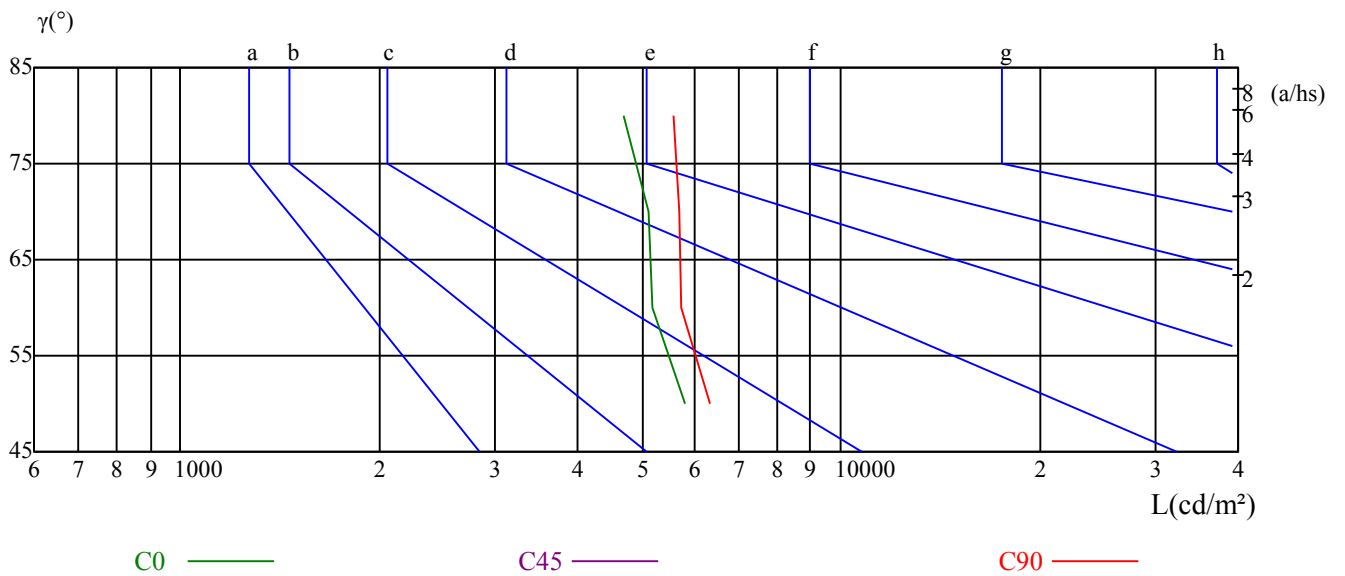
γ	45	50	55	60	65	70	75	80	85
C0	0	5814	0	5193	0	5121	0	4698	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6332	0	5731	0	5694	0	5590	0

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

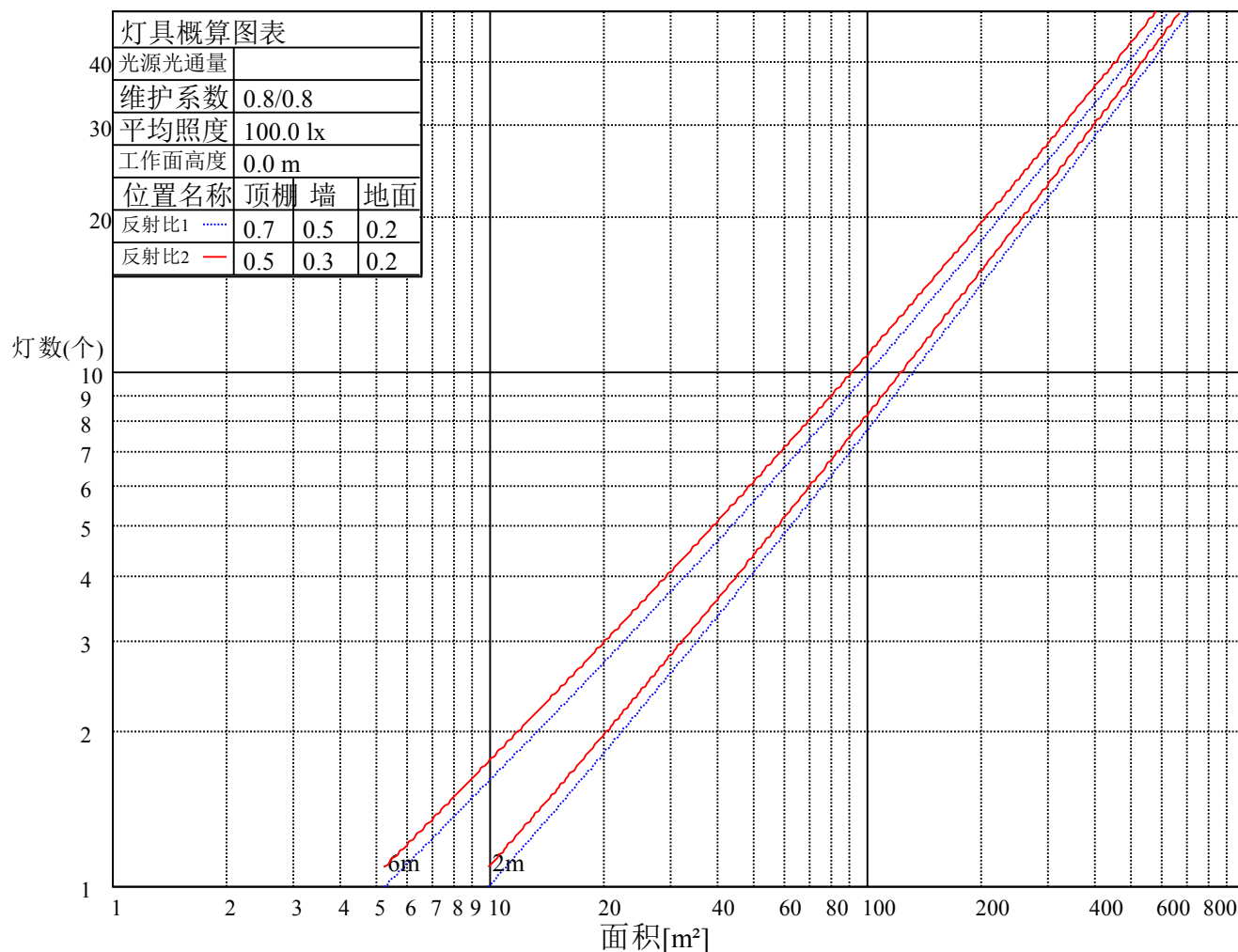
亮度限制曲线



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	13.00	14.15	13.37	14.46	14.77	12.76	13.91	13.13	14.22	14.54
	3H	14.99	16.01	15.37	16.34	16.71	14.70	15.72	15.08	16.05	16.42
	4H	15.82	16.77	16.23	17.12	17.51	15.53	16.48	15.93	16.83	17.22
	6H	16.47	17.34	16.89	17.72	18.11	16.18	17.05	16.59	17.42	17.82
	8H	16.69	17.51	17.12	17.90	18.31	16.39	17.21	16.82	17.61	18.01
	12H	16.93	17.71	17.36	18.10	18.53	16.63	17.42	17.07	17.80	18.23
4H	2H	13.59	14.54	13.99	14.89	15.27	13.40	14.35	13.81	14.70	15.09
	3H	15.82	16.60	16.23	17.01	17.41	15.58	16.36	15.99	16.77	17.17
	4H	16.79	17.49	17.23	17.91	18.36	16.54	17.25	16.98	17.67	18.11
	6H	17.44	18.05	17.91	18.50	18.97	17.19	17.80	17.66	18.25	18.72
	8H	17.72	18.28	18.19	18.73	19.20	17.46	18.03	17.93	18.48	18.95
	12H	17.97	18.46	18.46	18.95	19.42	17.71	18.21	18.20	18.69	19.17
8H	4H	17.11	17.67	17.58	18.12	18.60	16.90	17.46	17.37	17.91	18.39
	6H	17.94	18.40	18.45	18.90	19.38	17.73	18.18	18.23	18.68	19.16
	8H	18.31	18.71	18.84	19.23	19.73	18.08	18.49	18.61	19.01	19.50
	12H	18.99	19.34	19.51	19.84	20.41	18.75	19.11	19.27	19.60	20.18
12H	4H	17.13	17.63	17.62	18.11	18.59	16.93	17.43	17.42	17.91	18.39
	6H	18.46	18.42	18.55	18.89	19.44	18.25	18.21	18.34	18.68	19.23
	8H	18.44	18.79	18.95	19.28	19.86	18.22	18.58	18.74	19.07	19.65
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.4/-0.7					
S = 1.5H	0.8/-0.7					0.9/-0.8					
S = 2.0H	1.2/-0.8					1.3/-0.9					
标准表格	BKBF					BKBF					
更正系数	4.5					4.2					

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灯具的概算曲线



ROLED 投光灯

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	1.10	1.07	1.05	1.08	1.05	1.03	1.03	1.01	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.92
2	1.02	0.97	0.94	1.00	0.96	0.93	0.97	0.93	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.85
3	0.95	0.89	0.85	0.93	0.89	0.85	0.91	0.87	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.79
4	0.89	0.83	0.79	0.88	0.82	0.78	0.86	0.81	0.77	0.83	0.80	0.76	0.82	0.78	0.76	0.74
5	0.84	0.78	0.74	0.83	0.77	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.71	0.70
6	0.79	0.73	0.69	0.78	0.73	0.69	0.77	0.72	0.68	0.76	0.71	0.68	0.74	0.70	0.67	0.66
7	0.75	0.69	0.65	0.75	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.64	0.71	0.67	0.64	0.63
8	0.72	0.66	0.62	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.61	0.68	0.64	0.61	0.60
9	0.69	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.66	0.62	0.59	0.57
10	0.66	0.60	0.57	0.65	0.60	0.57	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.55

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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	4400.90	4271.21	4007.24	3635.83	3189.98	2738.76	2313.64	1894.65	1560.84
30.0	4479.17	4448.48	4287.33	3994.96	3595.16	3165.43	2691.19	2259.15	1849.38
60.0	4486.08	4400.90	4184.50	3838.41	3430.94	2963.61	2511.62	2072.68	1685.93
90.0	4475.34	4402.44	4182.97	3860.67	3425.57	2960.54	2490.90	2073.45	1687.46
120.0	4453.08	4364.83	4130.02	3767.82	3354.20	2894.54	2454.07	2029.71	1597.68
150.0	4423.16	4388.62	4204.45	3892.13	3483.12	3060.30	2603.71	2187.79	1795.66
180.0	4400.90	4380.95	4225.94	3932.03	3549.11	3114.78	2675.07	2233.83	1837.87
210.0	4479.17	4361.77	4111.60	3760.91	3317.37	2845.43	2399.58	1976.76	1525.01
240.0	4486.08	4425.46	4217.50	3876.02	3457.03	2993.53	2523.13	2074.98	1710.48
270.0	4475.34	4390.16	4146.13	3794.67	3357.27	2894.54	2420.30	2012.06	1519.94
300.0	4453.08	4375.58	4141.53	3779.33	3355.74	2901.45	2447.93	2015.90	1665.97
330.0	4423.16	4290.40	4015.68	3650.41	3207.63	2774.06	2299.06	1916.14	1520.40
360.0	4400.90	4271.21	4007.24	3635.83	3189.98	2738.76	2313.64	1894.65	1560.84
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1259.26	1006.03	814.95	666.08	538.70	444.31	388.29	310.33	264.97
30.0	1491.01	1193.27	969.20	781.19	631.55	521.82	429.73	374.33	303.65
60.0	1360.17	1102.26	886.40	714.58	587.12	481.76	402.57	334.27	285.77
90.0	1358.26	1101.18	886.32	715.19	580.14	481.14	396.73	335.11	283.01
120.0	1339.30	1091.21	883.17	715.42	588.35	481.45	397.04	331.35	282.24
150.0	1454.18	1184.06	949.24	775.82	628.48	517.21	424.36	353.22	298.97
180.0	1512.19	1217.83	981.32	789.32	645.44	525.73	434.64	359.52	300.66
210.0	1309.53	1051.07	846.72	688.26	560.03	459.81	382.54	320.38	271.73
240.0	1376.67	1098.12	897.06	723.64	584.74	480.38	399.80	333.96	285.31
270.0	1320.27	1074.86	867.52	705.91	574.15	471.48	387.83	327.52	276.95
300.0	1344.44	1088.91	884.78	717.50	587.81	482.68	398.27	332.20	283.62
330.0	1278.53	1031.12	836.06	683.35	557.19	457.20	376.55	318.31	269.58
360.0	1259.26	1006.03	814.95	666.08	538.70	444.31	388.29	310.33	264.97
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	223.61	193.61	168.67	148.79	131.68	118.33	107.43	98.07	90.63
30.0	261.14	224.84	196.83	172.28	151.71	136.13	122.63	111.50	102.21
60.0	244.79	211.72	185.78	163.30	145.88	130.61	119.10	108.97	100.99
90.0	241.26	209.11	180.64	159.77	141.81	128.08	116.18	106.82	98.61
120.0	240.65	207.34	181.48	159.15	141.89	126.39	114.88	104.90	97.00
150.0	253.69	217.09	187.78	164.83	145.03	129.84	116.72	106.05	97.15
180.0	253.69	218.01	187.85	163.30	144.34	128.38	115.80	104.44	96.15
210.0	231.82	202.28	176.19	155.01	137.44	123.70	112.04	103.37	95.46
240.0	243.57	209.57	182.94	161.53	143.19	129.07	117.64	107.28	99.61
270.0	235.28	204.58	178.26	157.31	139.36	126.08	114.19	105.36	97.38
300.0	241.72	207.65	182.18	159.61	141.20	126.62	115.03	104.90	96.77
330.0	231.21	199.52	173.58	152.94	134.98	121.71	109.73	100.91	93.01
360.0	223.61	193.61	168.67	148.79	131.68	118.33	107.43	98.07	90.63
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	83.95	78.35	73.21	68.14	63.77	59.24	54.56	50.26	45.97
30.0	94.77	87.79	81.96	76.89	71.67	66.53	61.70	57.02	52.26
60.0	93.62	87.17	81.80	76.58	71.52	66.61	61.85	56.94	52.26
90.0	91.62	85.41	79.96	75.20	70.21	65.53	60.78	55.94	51.11
120.0	89.86	83.64	78.35	73.36	68.53	64.00	59.63	55.02	50.34
150.0	90.01	83.49	77.81	73.05	68.14	63.77	59.32	54.79	50.34
180.0	88.71	82.65	77.12	71.98	67.15	62.62	58.24	53.87	49.80
210.0	88.48	82.80	77.43	72.59	67.53	63.00	58.32	53.72	49.27
240.0	91.85	85.95	80.57	75.59	70.68	65.99	61.31	56.33	51.80
270.0	90.40	84.80	79.12	74.28	69.52	64.92	60.09	55.40	50.80
300.0	89.78	83.64	78.20	72.98	68.45	64.00	59.55	55.02	50.34
330.0	86.02	80.42	75.13	69.91	65.23	60.93	56.25	51.95	47.42
360.0	83.95	78.35	73.21	68.14	63.77	59.24	54.56	50.26	45.97

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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	41.52	37.45	32.54	27.17	21.41	15.73	9.75	4.53	0.23
30.0	47.65	42.74	37.60	32.54	26.86	20.80	14.81	8.75	3.30
60.0	47.27	42.13	36.83	31.23	25.48	19.34	13.35	7.60	2.23
90.0	46.50	41.59	36.45	31.23	25.48	19.64	13.43	7.67	2.23
120.0	45.81	40.90	35.84	30.54	25.25	19.18	13.20	7.67	2.00
150.0	45.74	41.28	36.53	31.85	26.47	20.72	14.66	8.98	3.45
180.0	45.28	41.05	36.60	31.77	26.47	21.18	15.50	9.75	4.45
210.0	44.28	39.67	34.61	28.85	23.10	17.42	11.20	5.68	0.84
240.0	46.73	41.98	36.91	31.39	25.78	19.57	13.28	7.60	2.07
270.0	45.89	40.98	35.76	30.46	24.71	18.95	12.82	7.37	2.15
300.0	45.35	40.75	35.84	30.39	25.09	18.88	12.66	7.14	1.76
330.0	42.67	37.99	33.15	28.16	22.48	16.73	10.67	5.37	0.38
360.0	41.52	37.45	32.54	27.17	21.41	15.73	9.75	4.53	0.23
C/γ(°)	90.0								
0.0	0.08								
30.0	0.08								
60.0	0.08								
90.0	0.00								
120.0	0.08								
150.0	0.08								
180.0	0.15								
210.0	0.08								
240.0	0.15								
270.0	0.08								
300.0	0.08								
330.0	0.08								
360.0	0.08								