

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3443A-18-UN-RC-Y (55-XL-18RGBWN-AJ, L1000, A, CT)

报告编号:

电压(V): 219.7000

测试编号: 20210411001

电流(A): 0.4390

光源规格型号: XL

功率(W): 92.7000

每个光源光通量(lm)

功率因数: 0.9620

光源数量: 18

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 60

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 3902.16

灯具效能(lm/w): 42.09

中心光强(cd): 3582.879

最大光强(cd): 3680.335

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=55.2

[C90/270]Total=55.0

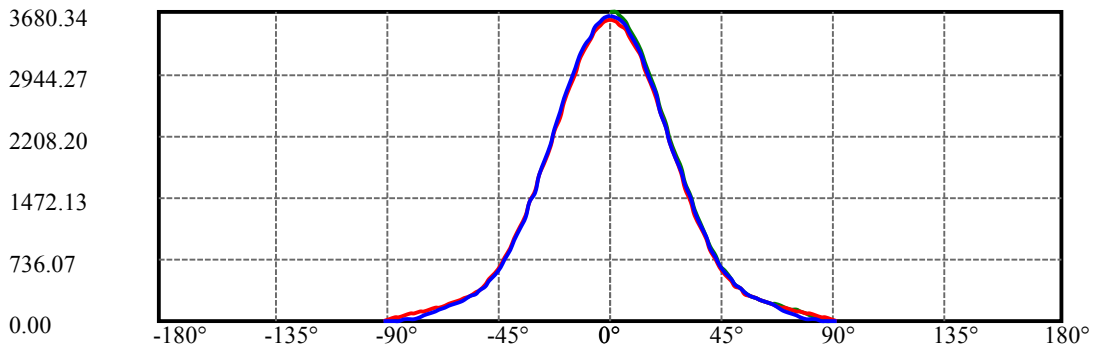
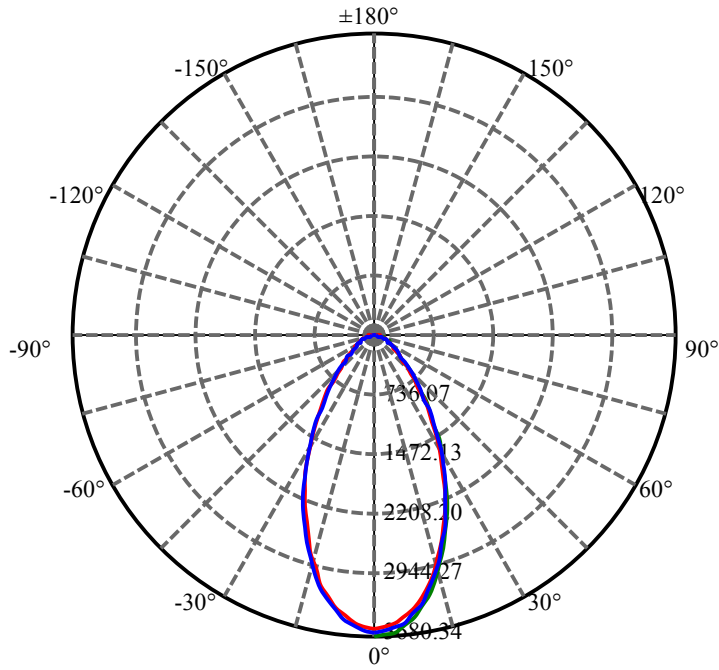
光束扩散角(10%Imax): [C0/180]Total=105.8

[C90/270]Total=105.2

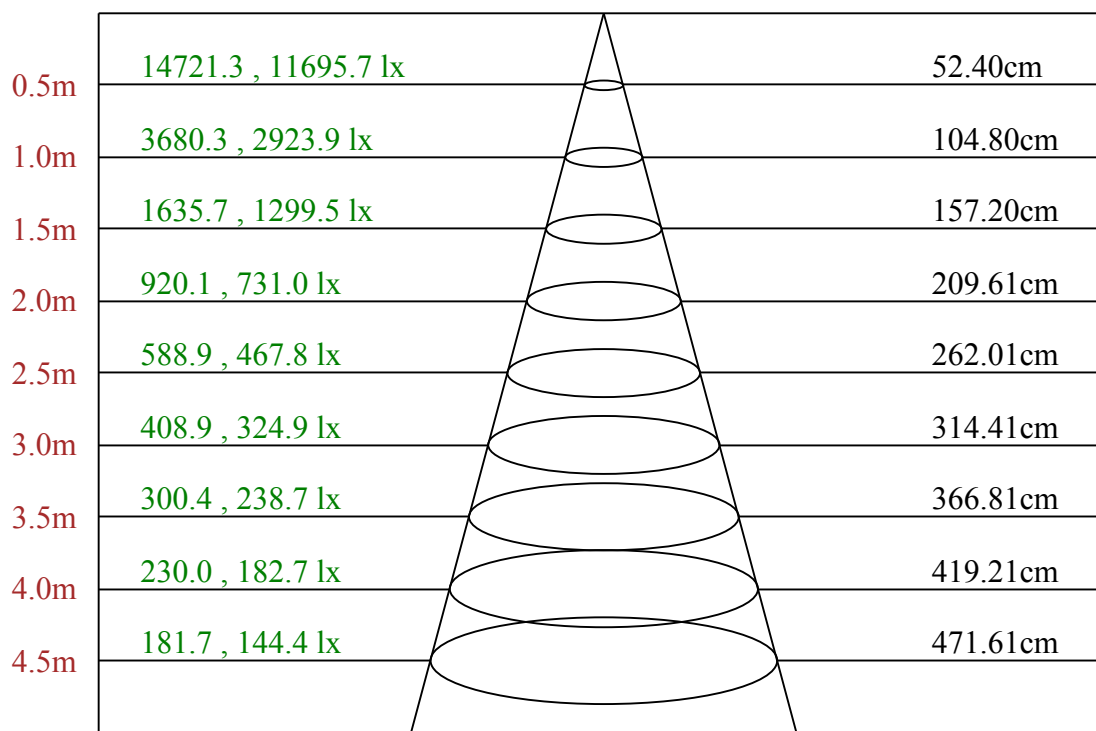
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/11
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

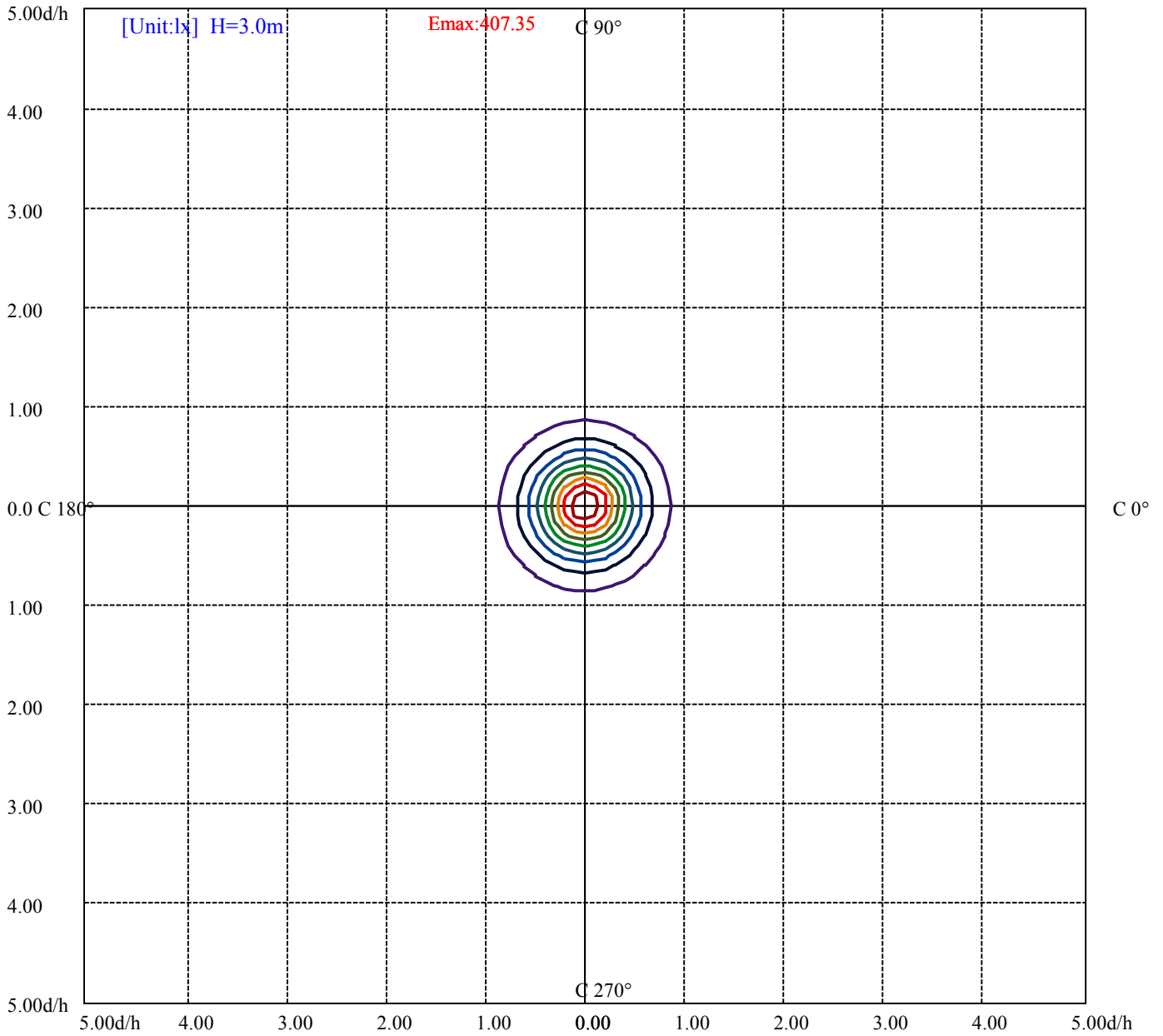


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角55.31

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平面等照度曲线



- (10%Emax) 40.73478
- (20%Emax) 81.46967
- (30%Emax) 122.2044
- (40%Emax) 162.9389
- (50%Emax) 203.6744
- (60%Emax) 244.4089
- (70%Emax) 285.1433
- (80%Emax) 325.8789
- (90%Emax) 366.6133

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

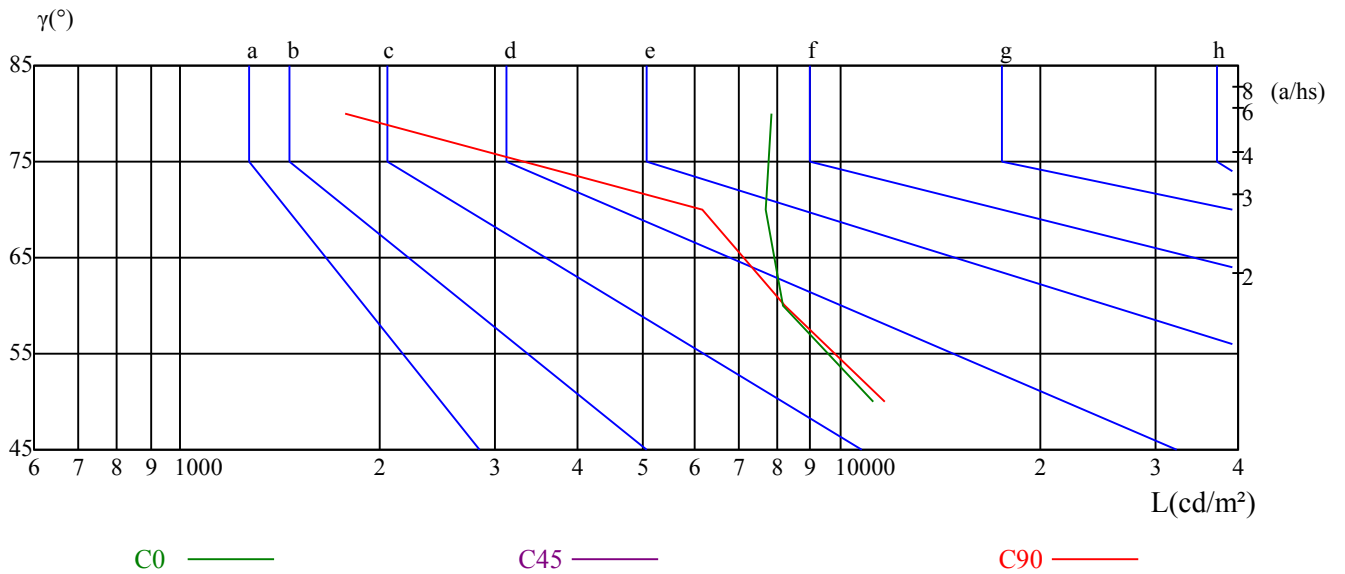
γ	45	50	55	60	65	70	75	80	85
C0	0	11167	0	8201	0	7689	0	7869	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11634	0	8235	0	6159	0	1774	0

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

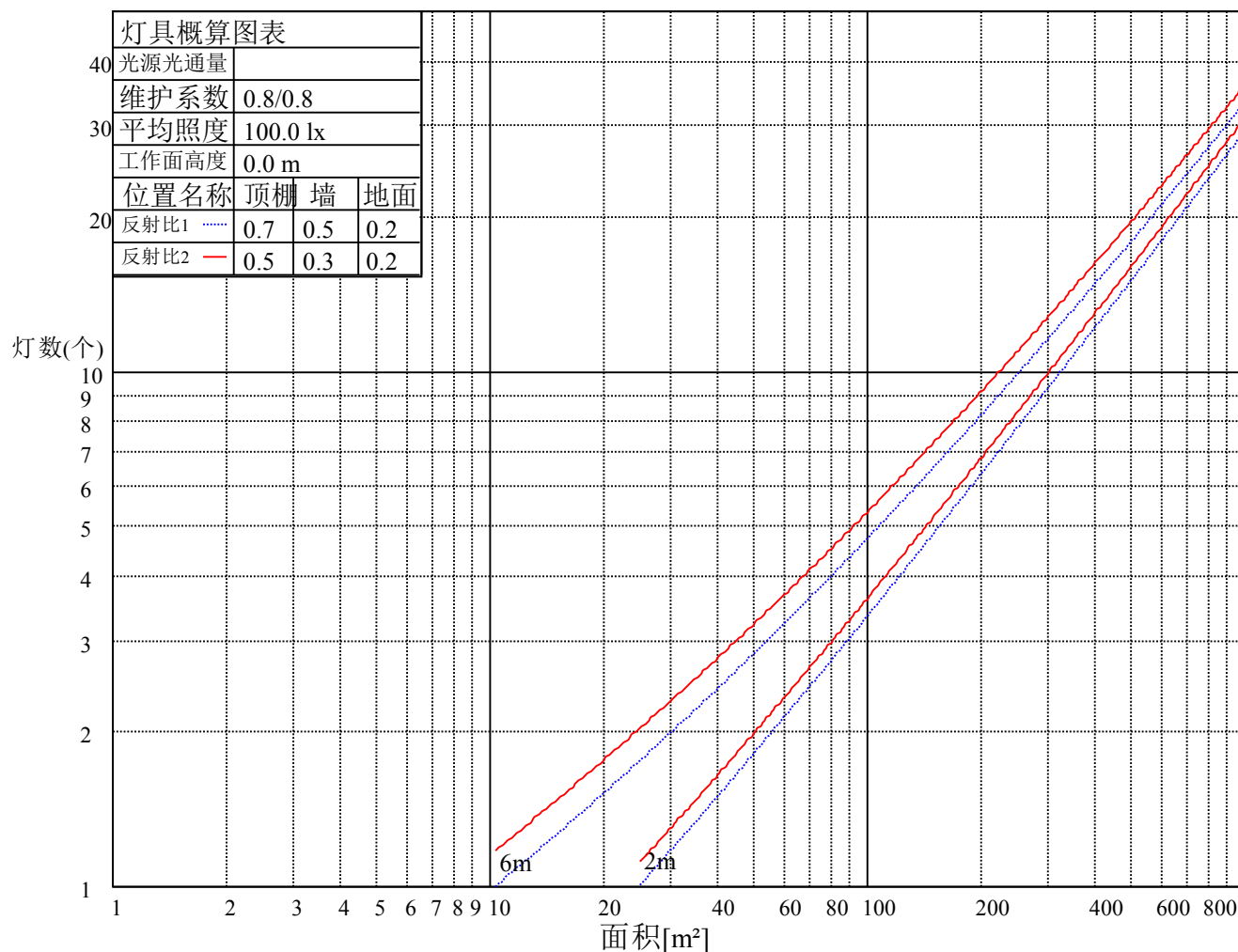
亮度限制曲线



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	12.52	13.80	12.89	14.11	14.42	12.60	13.87	12.96	14.19	14.50
	3H	13.83	14.97	14.21	15.30	15.66	14.29	15.42	14.67	15.75	16.12
	4H	14.12	15.18	14.52	15.53	15.91	15.01	16.06	15.41	16.41	16.80
	6H	14.16	15.13	14.58	15.50	15.90	15.61	16.58	16.02	16.95	17.34
	8H	14.14	15.06	14.57	15.45	15.85	15.84	16.76	16.27	17.15	17.55
	12H	14.12	15.00	14.55	15.38	15.81	16.16	17.04	16.60	17.43	17.86
4H	2H	13.04	14.09	13.44	14.45	14.83	13.10	14.15	13.50	14.51	14.89
	3H	14.55	15.42	14.96	15.82	16.22	15.06	15.93	15.47	16.33	16.74
	4H	14.91	15.69	15.34	16.11	16.55	15.92	16.70	16.36	17.12	17.56
	6H	14.98	15.65	15.44	16.09	16.56	16.52	17.19	16.99	17.64	18.11
	8H	14.95	15.57	15.42	16.02	16.49	16.80	17.43	17.27	17.87	18.34
	12H	14.93	15.48	15.42	15.97	16.44	17.13	17.68	17.61	18.16	18.64
8H	4H	15.16	15.79	15.63	16.23	16.71	16.08	16.71	16.55	17.15	17.63
	6H	15.25	15.76	15.75	16.26	16.74	16.81	17.32	17.31	17.82	18.30
	8H	15.23	15.69	15.76	16.21	16.70	17.15	17.60	17.67	18.12	18.61
	12H	15.90	16.30	16.41	16.79	17.36	17.91	18.31	18.43	18.81	19.38
12H	4H	15.18	15.74	15.67	16.22	16.69	16.05	16.60	16.53	17.08	17.55
	6H	15.86	15.75	15.82	16.22	16.76	17.35	17.24	17.32	17.71	18.26
	8H	15.30	15.70	15.81	16.19	16.76	17.15	17.55	17.67	18.04	18.62
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-1.0					0.6/-0.9					
S = 1.5H	1.5/-1.6					1.2/-1.2					
S = 2.0H	3.4/-1.9					2.2/-1.2					
标准表格	BK2					BK3					
更正系数	2.4					3.9					

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灯具的概算曲线



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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	1.00	0.98	0.98	0.96	0.95	0.95	0.93	0.92	0.90
2	0.98	0.93	0.89	0.97	0.92	0.88	0.93	0.89	0.86	0.90	0.87	0.84	0.87	0.85	0.82	0.80
3	0.90	0.84	0.79	0.88	0.83	0.78	0.85	0.81	0.77	0.83	0.79	0.75	0.81	0.77	0.74	0.72
4	0.82	0.75	0.70	0.81	0.75	0.70	0.79	0.73	0.69	0.77	0.72	0.68	0.75	0.71	0.67	0.66
5	0.76	0.69	0.64	0.75	0.68	0.63	0.73	0.67	0.63	0.71	0.66	0.62	0.69	0.65	0.61	0.60
6	0.70	0.63	0.58	0.69	0.63	0.58	0.68	0.62	0.57	0.66	0.61	0.57	0.65	0.60	0.56	0.55
7	0.65	0.58	0.53	0.65	0.58	0.53	0.63	0.57	0.53	0.62	0.56	0.52	0.61	0.56	0.52	0.50
8	0.61	0.54	0.49	0.60	0.54	0.49	0.59	0.53	0.49	0.58	0.53	0.49	0.57	0.52	0.48	0.47
9	0.57	0.50	0.46	0.56	0.50	0.46	0.55	0.49	0.45	0.54	0.49	0.45	0.54	0.49	0.45	0.43
10	0.54	0.47	0.43	0.53	0.47	0.42	0.52	0.46	0.42	0.51	0.46	0.42	0.51	0.46	0.42	0.41

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光强数据表(cd)

附页 第9页 共10页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	3582.88	3572.14	3531.46	3466.24	3381.83	3275.16	3149.31	3004.28	2840.06
30.0	3680.34	3669.59	3631.22	3566.76	3475.45	3364.18	3227.58	3078.71	2907.59
60.0	3651.94	3641.97	3602.06	3536.84	3441.68	3320.44	3179.24	3024.23	2846.96
90.0	3628.15	3622.01	3582.88	3526.09	3438.61	3321.97	3184.61	3036.51	2862.31
120.0	3611.27	3601.30	3560.62	3493.10	3406.38	3292.81	3159.29	3009.65	2836.99
150.0	3595.92	3589.02	3548.35	3485.42	3399.48	3286.67	3156.98	3005.04	2843.90
180.0	3582.88	3564.46	3522.26	3451.66	3358.04	3240.63	3106.34	2950.56	2790.18
210.0	3680.34	3658.85	3608.97	3539.14	3441.68	3316.60	3174.63	3023.46	2846.20
240.0	3651.94	3633.53	3589.02	3517.65	3426.33	3314.30	3174.63	3023.46	2860.78
270.0	3628.15	3605.90	3559.09	3492.33	3393.34	3284.37	3151.61	3007.35	2836.22
300.0	3611.27	3595.16	3554.49	3493.10	3412.52	3310.46	3184.61	3041.11	2881.50
330.0	3595.92	3577.51	3533.00	3468.54	3389.50	3281.30	3163.12	3015.02	2845.43
360.0	3582.88	3572.14	3531.46	3466.24	3381.83	3275.16	3149.31	3004.28	2840.06
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2661.26	2487.07	2298.29	2115.66	1939.93	1761.13	1585.40	1419.65	1262.33
30.0	2725.72	2547.69	2357.38	2172.44	1990.57	1820.22	1646.02	1482.57	1315.28
60.0	2672.77	2480.93	2290.62	2107.98	1939.93	1768.80	1600.75	1448.81	1284.59
90.0	2689.65	2502.41	2312.87	2131.00	1953.74	1787.22	1619.16	1459.55	1293.80
120.0	2655.12	2461.74	2279.87	2097.24	1926.11	1754.22	1563.14	1428.39	1274.77
150.0	2666.63	2481.69	2303.66	2121.79	1952.20	1778.78	1611.49	1446.50	1292.26
180.0	2615.22	2429.51	2255.32	2081.12	1907.70	1748.08	1549.33	1426.78	1266.48
210.0	2665.86	2490.14	2300.59	2131.00	1954.51	1778.01	1610.72	1459.93	1291.95
240.0	2676.61	2502.41	2302.90	2126.40	1951.44	1784.92	1609.19	1442.67	1283.82
270.0	2659.73	2483.23	2289.85	2104.91	1929.95	1745.01	1528.31	1415.27	1244.84
300.0	2691.96	2515.46	2317.48	2120.26	1935.32	1760.36	1580.03	1410.44	1250.82
330.0	2675.84	2487.07	2289.08	2099.54	1921.51	1735.80	1526.00	1404.76	1236.17
360.0	2661.26	2487.07	2298.29	2115.66	1939.93	1761.13	1585.40	1419.65	1262.33
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1108.86	978.40	850.25	738.22	641.53	554.81	484.21	422.06	388.29
30.0	1158.74	1016.01	884.78	774.28	672.99	587.81	509.54	443.54	389.06
60.0	1132.26	990.76	869.21	756.48	661.71	573.38	497.26	431.42	378.78
90.0	1141.86	1006.03	870.97	762.77	663.01	580.14	503.40	439.71	389.06
120.0	1123.21	983.24	863.76	752.87	659.87	569.47	498.03	432.72	376.94
150.0	1139.55	999.12	877.11	765.07	665.31	577.83	505.70	440.47	389.83
180.0	1122.90	982.62	862.45	750.42	651.81	565.71	494.42	429.73	374.79
210.0	1139.63	1004.65	872.28	760.09	660.25	575.92	501.10	439.48	383.38
240.0	1120.37	988.38	860.23	752.03	655.34	567.09	495.72	431.27	388.29
270.0	1094.74	962.98	834.60	726.17	630.55	550.13	479.15	417.30	367.57
300.0	1096.58	967.66	834.14	730.54	636.92	557.11	482.68	421.29	388.29
330.0	1087.30	957.07	830.38	723.10	633.16	548.37	477.15	414.84	364.96
360.0	1108.86	978.40	850.25	738.22	641.53	554.81	484.21	422.06	388.29
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	327.67	294.37	263.36	241.11	221.08	203.74	186.86	170.74	154.63
30.0	344.55	307.41	277.79	254.69	234.28	216.40	198.14	179.41	161.69
60.0	333.58	296.51	267.05	241.03	218.09	196.45	172.81	150.25	131.68
90.0	338.57	300.35	268.58	242.11	217.70	195.45	172.05	148.56	123.85
120.0	333.58	296.36	266.82	238.73	216.32	194.07	173.66	152.17	130.91
150.0	340.87	302.58	272.65	247.25	227.60	209.11	192.84	176.04	159.38
180.0	332.12	295.75	267.51	241.95	222.31	203.82	187.85	171.12	155.16
210.0	339.33	304.96	275.49	252.16	231.67	214.02	196.91	179.26	163.53
240.0	335.04	302.12	272.42	249.63	228.22	207.04	187.01	166.98	144.88
270.0	325.52	292.68	261.52	237.89	214.87	193.23	170.51	147.11	121.71
300.0	328.90	294.83	265.90	243.64	222.69	203.43	183.71	163.22	141.35
330.0	323.07	290.76	263.21	241.49	223.46	205.81	189.54	172.97	157.47
360.0	327.67	294.37	263.36	241.11	221.08	203.74	186.86	170.74	154.63

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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	140.20	125.24	109.89	95.08	80.34	66.30	52.72	36.91	17.96
30.0	145.11	126.77	108.12	90.86	68.76	41.59	14.35	5.22	2.92
60.0	110.66	87.17	60.47	38.98	20.64	11.13	8.36	5.53	3.68
90.0	98.84	74.67	54.79	32.46	18.11	13.43	9.36	7.21	4.53
120.0	110.58	86.87	62.85	41.36	22.02	11.43	8.59	5.76	3.76
150.0	143.12	124.31	104.13	85.72	67.30	40.13	14.35	4.99	2.84
180.0	140.35	124.47	110.12	94.92	80.65	66.53	53.18	37.52	19.57
210.0	147.57	129.76	111.19	92.47	69.14	39.98	12.89	5.68	3.15
240.0	122.09	97.00	69.14	46.81	23.40	12.89	9.90	6.60	4.14
270.0	94.39	71.06	49.11	28.93	16.27	13.58	8.67	7.29	3.68
300.0	118.48	93.54	66.15	44.58	23.10	12.58	9.52	6.52	3.84
330.0	141.81	125.16	106.82	87.25	64.54	36.07	11.59	5.29	3.07
360.0	140.20	125.24	109.89	95.08	80.34	66.30	52.72	36.91	17.96
C/γ(°)	90.0								
0.0	0.46								
30.0	0.54								
60.0	0.54								
90.0	0.54								
120.0	0.54								
150.0	0.69								
180.0	0.54								
210.0	0.54								
240.0	0.61								
270.0	0.46								
300.0	0.54								
330.0	0.54								
360.0	0.46								