

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1122A-3-24DC-RC-Y (20-XL-3RGBWN-AJ, CT)

报告编号:

电压(V): 23.9000

测试编号: 20210413004

电流(A): 0.5760

光源规格型号: XL

功率(W): 13.8000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 3

镇流器型号:

发光面长度(mm): 83

发光面宽度(mm): 83

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 664.72

灯具效能(lm/w): 48.17

中心光强(cd): 2943.655

最大光强(cd): 2962.071

最大光强角度: $C=90.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=21.5

[C90/270]Total=21.8

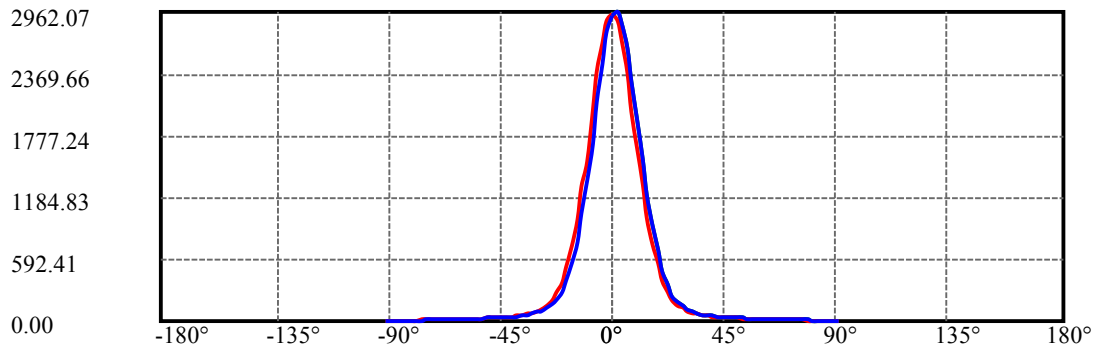
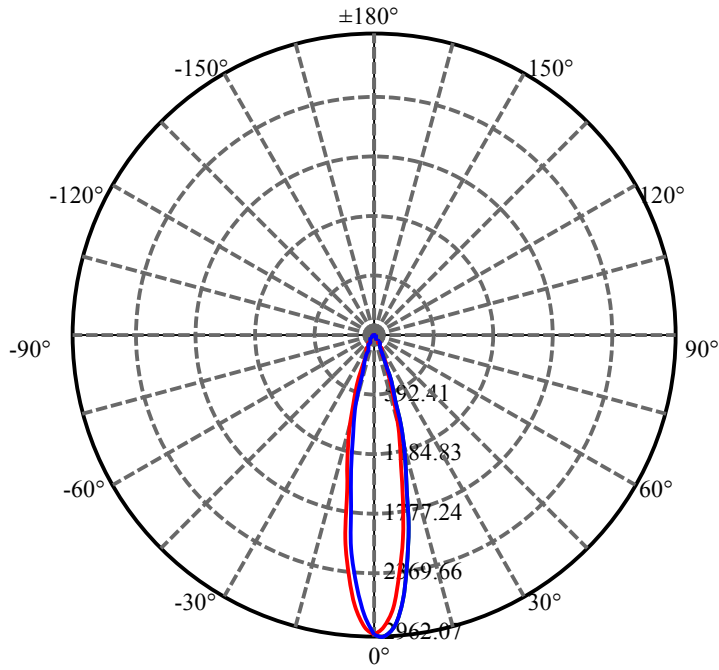
光束扩散角(10%Imax): [C0/180]Total=43.3

[C90/270]Total=42.9

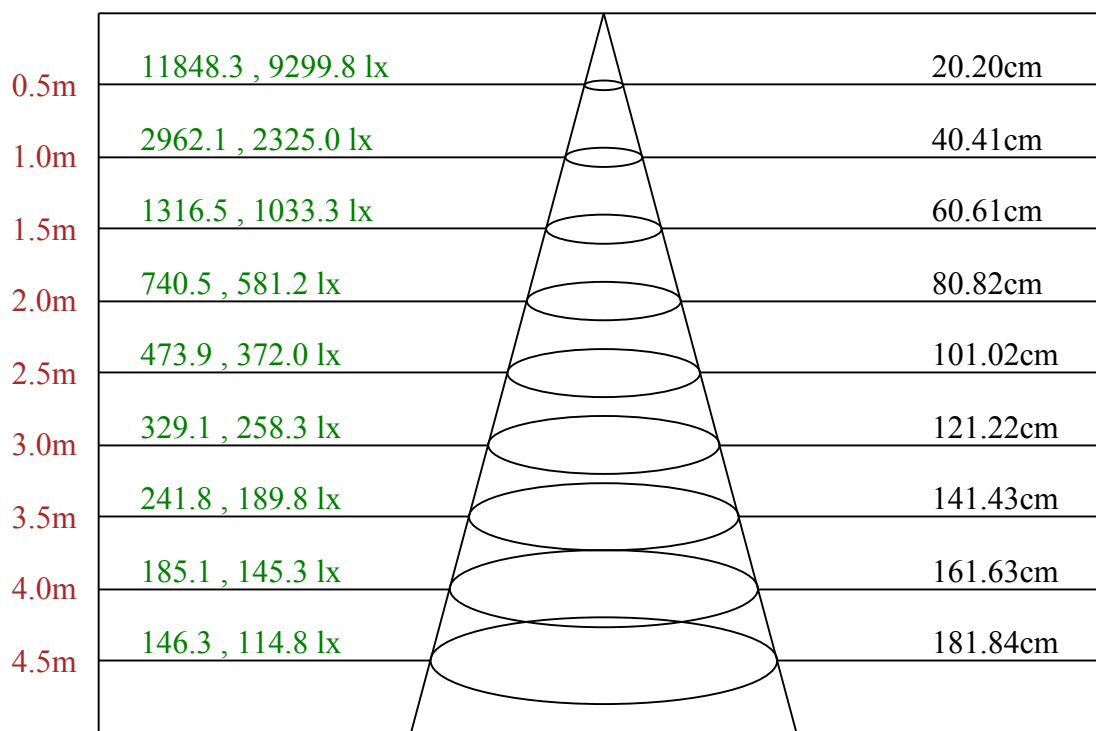
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/13
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

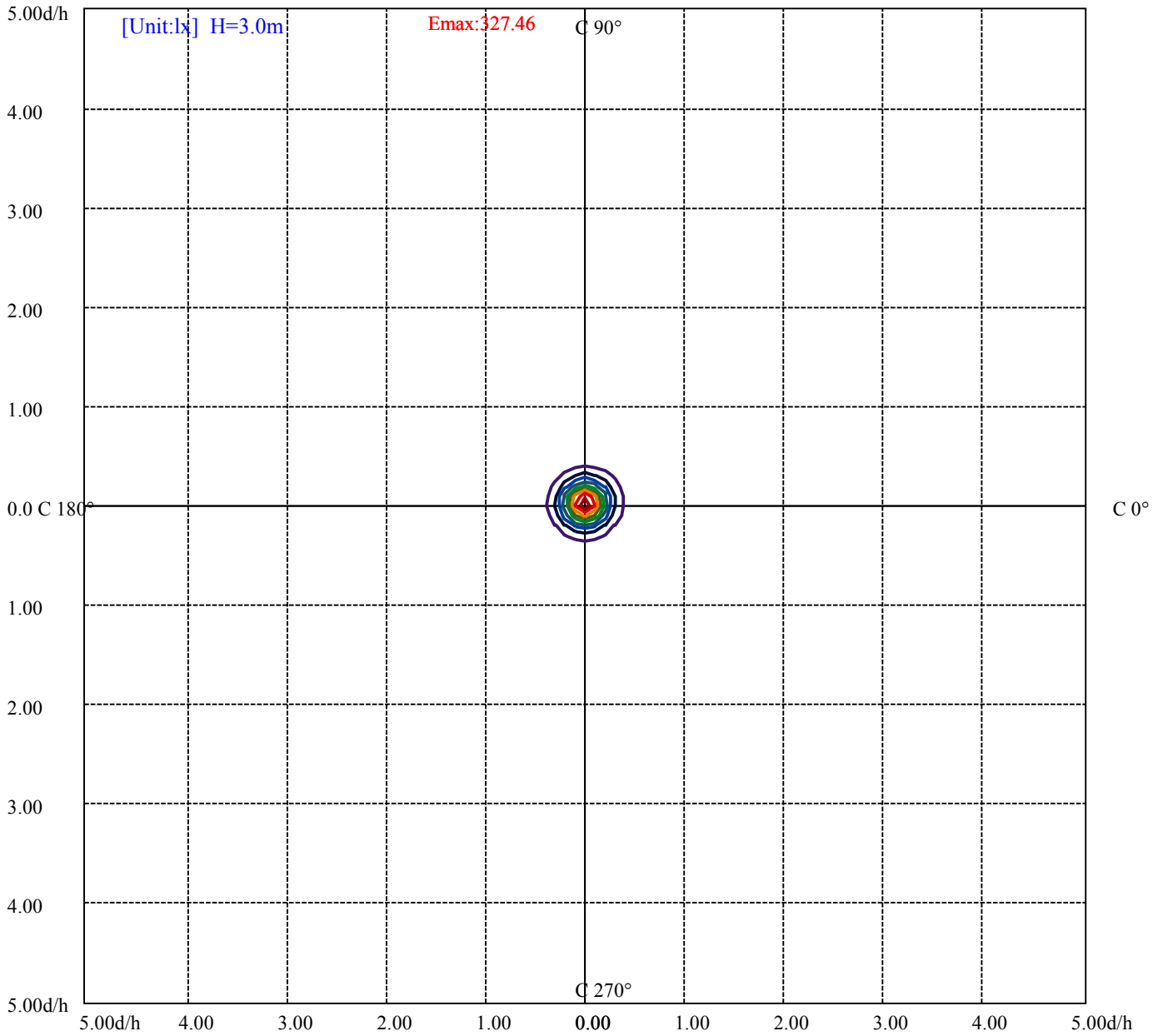


C90(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C90面光束角22.83

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平面等照度曲线



- (10%Emax) 32.74567
- (20%Emax) 65.49133
- (30%Emax) 98.237
- (40%Emax) 130.9822
- (50%Emax) 163.7278
- (60%Emax) 196.4744
- (70%Emax) 229.22
- (80%Emax) 261.9655
- (90%Emax) 294.7111

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测试人员: anpeilou
测试距离(m): 8.76

ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

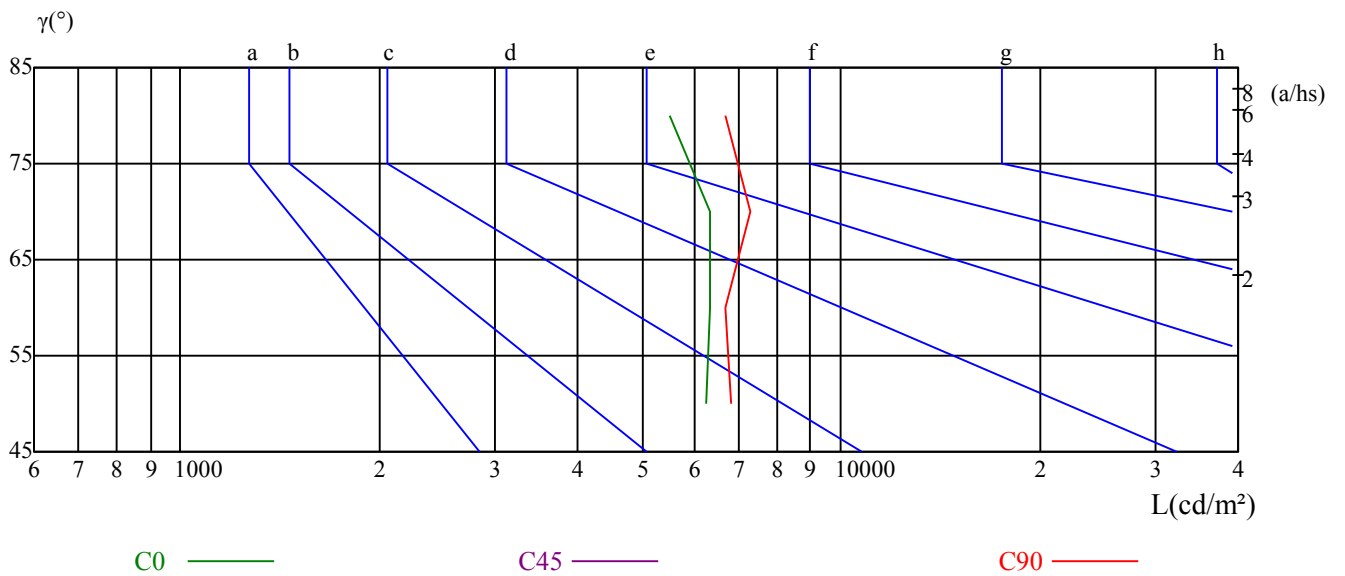
γ	45	50	55	60	65	70	75	80	85
C0	0	6256	0	6327	0	6351	0	5517	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6828	0	6683	0	7295	0	6671	0

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

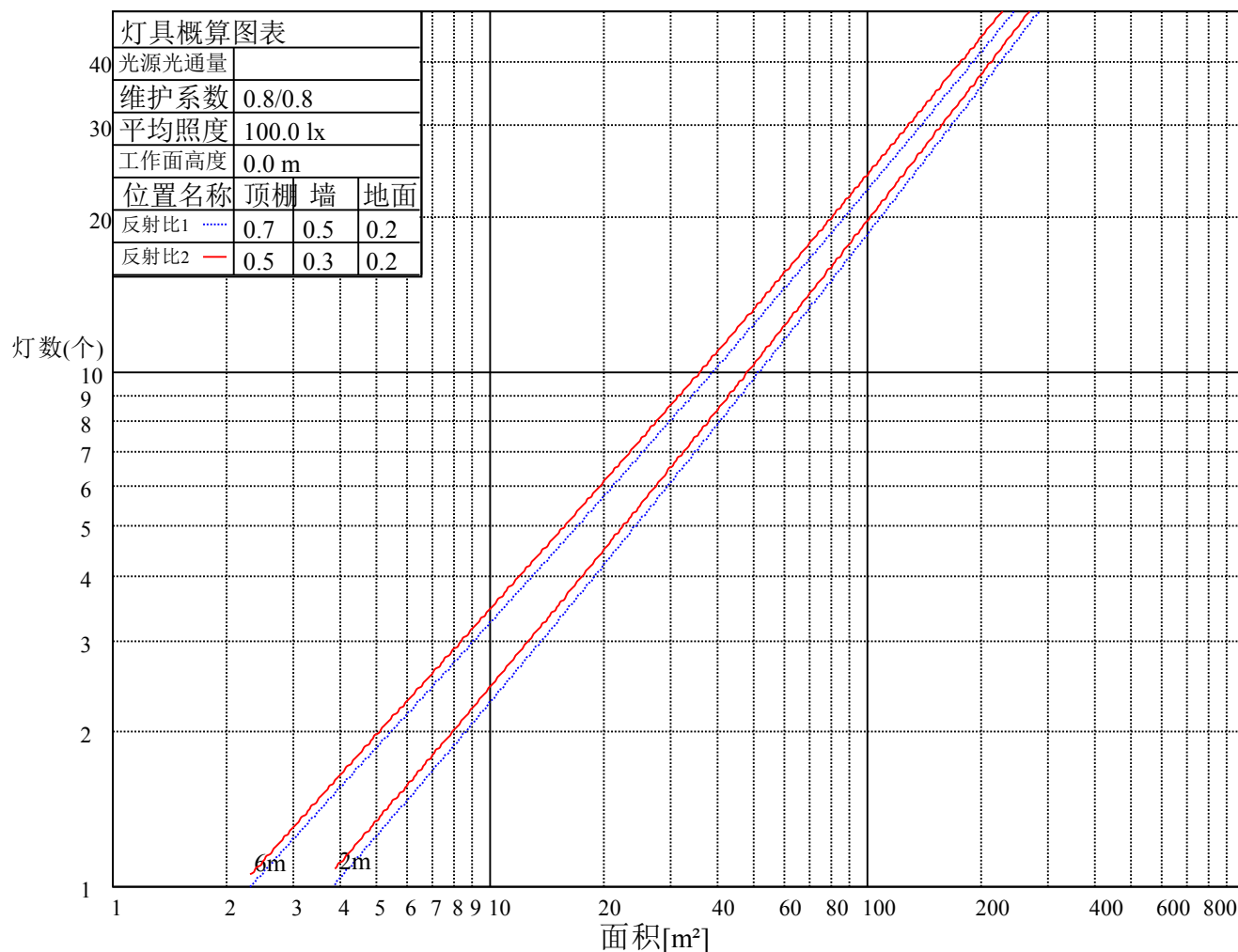
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	15.48	16.55	15.85	16.86	17.17	15.39	16.46	15.76	16.77	17.09
	3H	17.68	18.63	18.07	18.96	19.33	17.54	18.49	17.93	18.82	19.19
	4H	18.48	19.36	18.89	19.71	20.10	18.30	19.18	18.71	19.54	19.92
	6H	19.05	19.85	19.46	20.23	20.62	18.85	19.65	19.26	20.03	20.42
	8H	19.22	19.98	19.65	20.37	20.78	19.01	19.77	19.44	20.16	20.57
	12H	19.40	20.12	19.83	20.51	20.94	19.19	19.92	19.63	20.30	20.73
4H	2H	16.22	17.10	16.63	17.46	17.84	16.16	17.04	16.57	17.39	17.78
	3H	18.60	19.32	19.01	19.73	20.13	18.50	19.22	18.91	19.63	20.03
	4H	19.50	20.15	19.94	20.57	21.02	19.37	20.02	19.81	20.44	20.89
	6H	20.06	20.62	20.53	21.07	21.54	19.90	20.46	20.37	20.91	21.38
	8H	20.27	20.79	20.75	21.24	21.72	20.11	20.63	20.58	21.08	21.55
	12H	20.46	20.91	20.95	21.40	21.87	20.29	20.74	20.78	21.23	21.71
8H	4H	19.80	20.32	20.27	20.77	21.24	19.68	20.20	20.16	20.65	21.13
	6H	20.52	20.93	21.03	21.43	21.92	20.37	20.79	20.88	21.29	21.77
	8H	20.82	21.18	21.35	21.70	22.20	20.66	21.03	21.19	21.55	22.04
	12H	21.48	21.80	22.00	22.30	22.88	21.33	21.65	21.85	22.15	22.73
12H	4H	19.81	20.26	20.30	20.74	21.22	19.70	20.15	20.19	20.64	21.11
	6H	20.92	20.94	21.10	21.41	21.96	20.78	20.80	20.97	21.27	21.82
	8H	20.92	21.24	21.44	21.73	22.31	20.77	21.09	21.29	21.59	22.16
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.7					0.3/-0.7					
S = 1.5H	0.8/-0.6					0.8/-0.6					
S = 2.0H	0.8/-0.6					0.9/-0.7					
标准表格	BKBF					BKBF					
更正系数	4.2					3.6					

ROLED 投光灯 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	1.11	1.09	1.06	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	1.00	0.97	1.02	0.99	0.96	0.99	0.96	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	0.90	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.87	0.85	0.84
4	0.93	0.89	0.85	0.92	0.88	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.87	0.84	0.81	0.80
5	0.89	0.84	0.80	0.88	0.84	0.80	0.87	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.78	0.77
6	0.85	0.80	0.77	0.85	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.78	0.75	0.74
7	0.82	0.77	0.74	0.82	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
8	0.79	0.74	0.71	0.79	0.74	0.71	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.69
9	0.77	0.72	0.68	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.74	0.70	0.68	0.67
10	0.74	0.69	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.65

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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	2943.65	2875.36	2681.98	2378.10	2014.36	1651.39	1302.24	1000.66	738.22
30.0	2945.19	2952.86	2827.01	2572.24	2243.04	1886.21	1510.20	1174.09	897.83
60.0	2949.03	2958.23	2817.80	2568.41	2236.90	1858.58	1515.26	1175.77	899.83
90.0	2934.45	2962.07	2850.80	2618.29	2299.83	1925.35	1553.17	1212.45	927.76
120.0	2945.19	2936.75	2785.57	2544.62	2205.44	1845.54	1482.34	1136.94	849.95
150.0	2934.45	2919.10	2773.30	2511.62	2177.81	1795.66	1438.06	1101.95	822.63
180.0	2943.65	2876.13	2658.96	2385.00	2022.04	1528.77	1292.49	977.71	726.40
210.0	2945.19	2794.78	2542.32	2205.44	1815.61	1458.47	1121.83	833.91	607.15
240.0	2949.03	2797.09	2539.25	2192.39	1797.19	1428.09	1090.44	814.19	587.81
270.0	2934.45	2754.11	2469.42	2101.84	1693.60	1340.38	1023.91	754.41	550.52
300.0	2945.19	2808.60	2549.22	2188.56	1802.57	1442.67	1104.25	818.02	582.44
330.0	2934.45	2807.83	2556.90	2214.65	1831.73	1490.32	1158.05	857.77	624.41
360.0	2943.65	2875.36	2681.98	2378.10	2014.36	1651.39	1302.24	1000.66	738.22
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	544.07	389.06	283.09	207.42	156.31	120.55	97.92	81.03	67.84
30.0	660.71	478.08	363.28	252.39	187.85	145.72	115.03	93.16	77.74
60.0	654.26	474.93	337.72	247.33	182.25	139.59	112.04	91.01	75.43
90.0	675.29	478.08	357.90	245.48	180.95	138.20	110.50	89.71	74.82
120.0	602.77	419.83	295.29	217.24	161.30	125.39	100.45	83.03	69.91
150.0	586.28	412.85	293.06	215.79	161.15	124.08	100.22	82.88	70.45
180.0	522.35	372.94	268.20	200.44	151.25	118.79	95.54	79.35	67.15
210.0	445.08	320.30	237.58	178.65	137.05	109.43	90.55	74.51	63.31
240.0	428.96	310.02	228.29	170.89	132.22	105.74	88.02	73.98	62.16
270.0	394.51	282.47	210.26	159.15	124.24	101.06	85.03	70.60	59.78
300.0	423.59	306.03	224.69	168.13	130.07	103.44	85.95	71.21	60.32
330.0	445.31	316.93	234.13	175.50	134.67	107.36	88.32	72.82	60.93
360.0	544.07	389.06	283.09	207.42	156.31	120.55	97.92	81.03	67.84
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	57.94	49.57	43.13	37.99	34.69	31.85	29.54	27.70	26.24
30.0	65.30	55.56	48.96	42.97	38.52	34.84	31.92	29.39	27.55
60.0	63.23	55.02	48.04	43.20	38.83	34.99	31.92	29.54	27.78
90.0	62.54	53.87	47.19	41.90	38.06	34.76	32.31	30.23	28.39
120.0	59.70	51.26	45.43	41.13	36.91	33.46	30.70	28.70	26.93
150.0	59.16	51.41	45.35	41.67	37.91	33.76	30.93	28.47	26.78
180.0	57.25	49.19	42.90	38.22	34.69	31.92	29.70	28.01	26.63
210.0	55.40	48.73	42.90	38.22	34.84	31.77	29.54	27.78	26.32
240.0	55.25	48.42	42.36	37.68	34.15	31.16	29.08	27.47	25.94
270.0	51.95	45.43	40.67	37.14	34.22	32.08	30.16	28.47	26.93
300.0	53.26	46.50	41.82	37.14	33.61	30.62	28.55	26.93	25.63
330.0	52.64	46.58	42.59	37.68	34.22	31.00	28.93	27.09	25.63
360.0	57.94	49.57	43.13	37.99	34.69	31.85	29.54	27.70	26.24
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	25.02	23.94	22.94	21.79	20.80	19.41	18.11	16.50	14.96
30.0	26.01	24.86	23.71	22.94	22.02	21.10	19.95	18.26	16.58
60.0	26.32	25.09	23.87	23.02	22.25	21.49	20.49	18.88	17.11
90.0	26.78	25.63	24.25	23.02	21.87	20.80	19.80	18.49	17.19
120.0	25.71	24.48	23.40	22.48	21.64	20.72	19.64	18.34	16.58
150.0	25.25	24.25	23.17	22.18	21.26	20.18	19.18	17.50	15.88
180.0	25.25	24.10	23.10	22.02	20.72	19.64	18.34	16.96	15.12
210.0	25.17	24.10	23.25	22.94	22.10	21.26	20.03	18.26	16.42
240.0	24.86	23.87	23.33	23.02	22.48	21.33	19.95	17.96	15.96
270.0	25.48	24.02	22.64	21.64	20.72	19.57	17.96	16.11	14.27
300.0	24.40	23.48	22.64	22.10	21.26	20.34	19.18	17.50	15.50
330.0	24.56	23.56	22.64	22.10	21.41	20.41	19.11	17.65	15.96
360.0	25.02	23.94	22.94	21.79	20.80	19.41	18.11	16.50	14.96

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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	13.12	11.36	9.67	8.06	6.60	4.91	3.38	1.69	0.15
30.0	14.73	12.97	11.20	9.44	7.83	6.06	4.53	3.07	0.92
60.0	15.19	13.35	11.43	9.67	8.06	6.37	4.53	2.69	1.07
90.0	15.50	13.81	11.89	9.98	7.98	5.99	4.22	2.69	1.30
120.0	14.66	12.89	11.05	9.36	7.67	6.06	4.30	2.53	1.00
150.0	14.12	12.35	10.82	8.98	7.44	5.76	4.22	2.84	0.69
180.0	13.28	11.51	9.90	8.13	6.60	5.06	3.53	1.84	0.23
210.0	14.58	12.43	10.36	8.21	6.06	4.30	2.53	1.07	0.08
240.0	13.97	11.97	9.98	8.21	6.52	4.53	2.69	1.07	0.00
270.0	12.74	10.67	8.98	7.37	5.83	4.37	2.84	0.77	0.00
300.0	13.81	11.74	9.90	8.13	6.45	4.60	2.76	1.07	0.08
330.0	14.35	12.20	10.21	8.13	6.14	4.22	2.61	1.15	0.08
360.0	13.12	11.36	9.67	8.06	6.60	4.91	3.38	1.69	0.15

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