

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

ROLED

灯具名称: 投光灯

灯具描述: F1014A-18-UN (15-OL-18WN-AJ, CT)

报告编号:

电压(V): 220.3000

测试编号: 20210417007

电流(A): 0.1110

光源规格型号: OL

功率(W): 23.2000

每个光源光通量(lm)

功率因数: 0.9440

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): 1900.38

灯具效能(lm/w): 81.91

中心光强(cd): 14697.550

最大光强(cd): 14794.240

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=14.6

[C90/270]Total=14.7

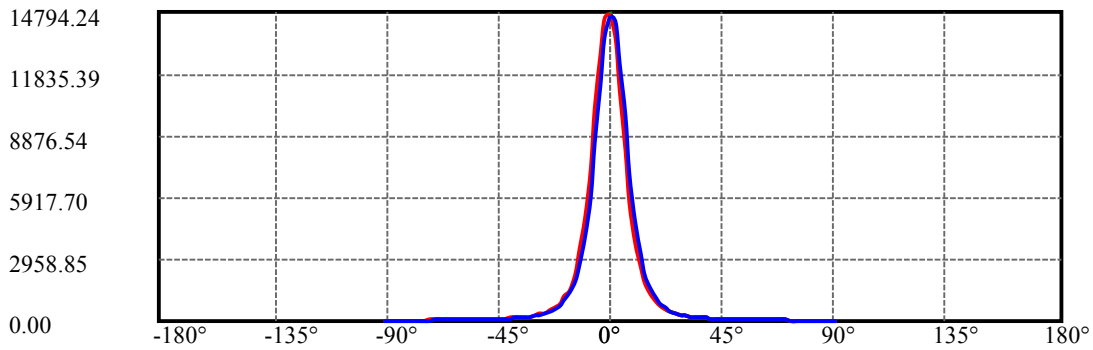
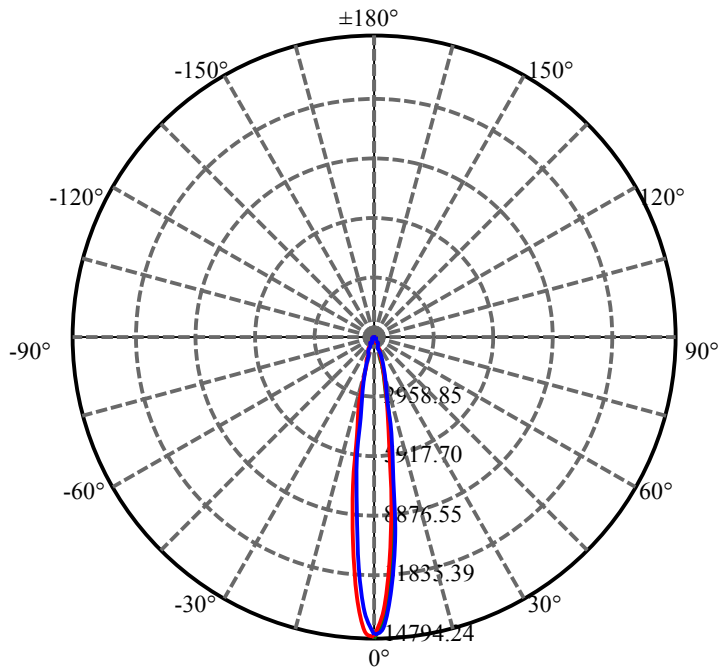
光束扩散角(10%Imax): [C0/180]Total=31.6

[C90/270]Total=32.0

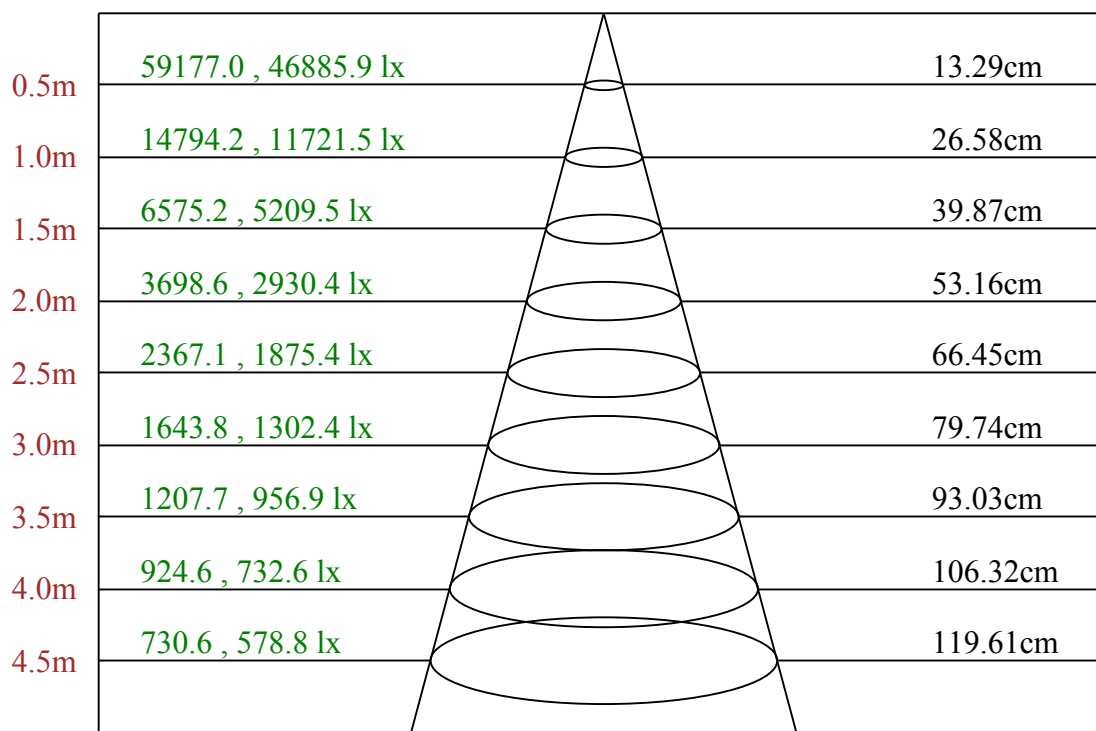
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/17
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

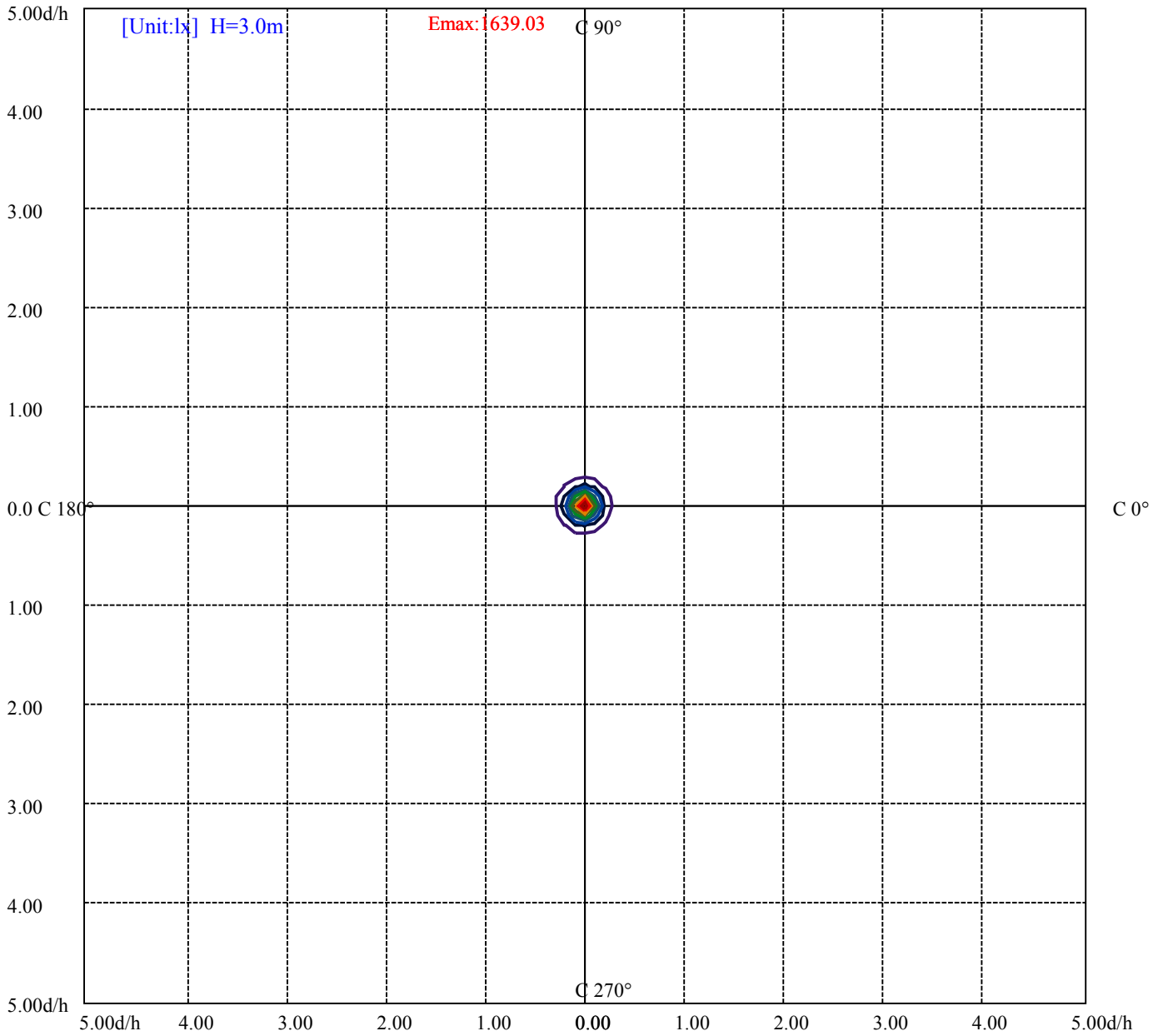


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角15.14

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平面等照度曲线



(10%Emax) 163.9022	——
(20%Emax) 327.8044	——
(30%Emax) 491.7067	——
(40%Emax) 655.6078	——
(50%Emax) 819.51	——
(60%Emax) 983.4122	——
(70%Emax) 1147.311	——
(80%Emax) 1311.211	——
(90%Emax) 1475.122	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

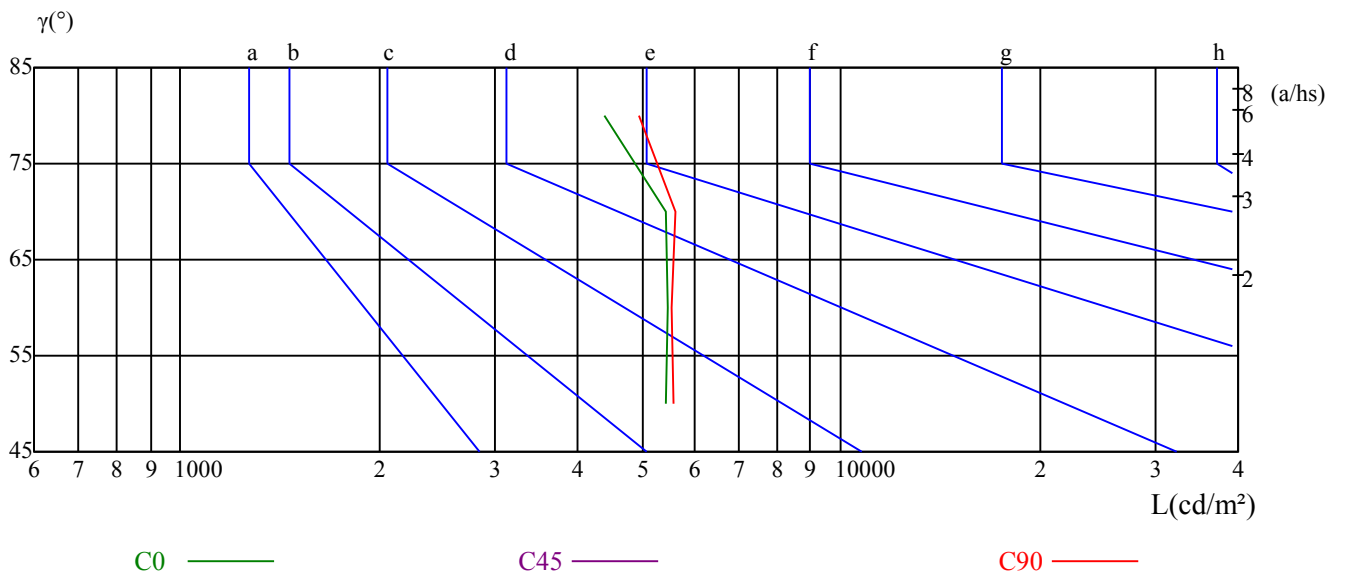
γ	45	50	55	60	65	70	75	80	85
C0	0	5445	0	5480	0	5420	0	4395	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5600	0	5550	0	5634	0	4951	0

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

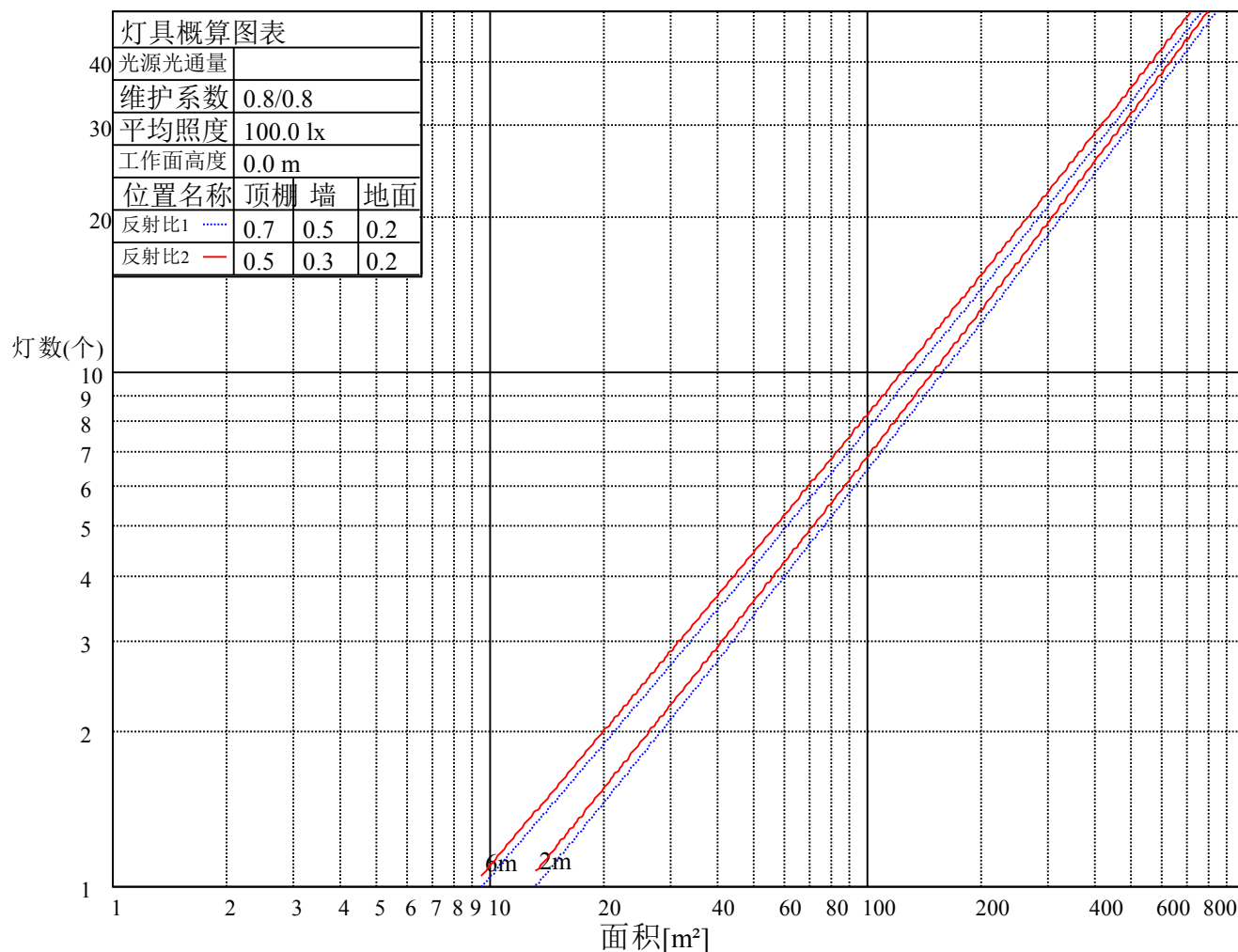
亮度限制曲线



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	11.72	12.79	12.08	13.10	13.42	11.66	12.74	12.02	13.05	13.36
	3H	13.77	14.73	14.15	15.06	15.43	13.75	14.71	14.13	15.04	15.41
	4H	14.55	15.44	14.96	15.80	16.18	14.55	15.44	14.95	15.79	16.18
	6H	15.11	15.92	15.52	16.30	16.69	15.11	15.92	15.52	16.30	16.69
	8H	15.26	16.03	15.70	16.42	16.83	15.26	16.03	15.70	16.43	16.83
	12H	15.42	16.15	15.85	16.53	16.97	15.42	16.16	15.86	16.54	16.97
4H	2H	12.35	13.24	12.76	13.60	13.98	12.31	13.20	12.72	13.55	13.94
	3H	14.60	15.33	15.02	15.74	16.15	14.57	15.31	14.99	15.71	16.12
	4H	15.50	16.16	15.94	16.58	17.03	15.48	16.14	15.92	16.56	17.01
	6H	16.06	16.62	16.53	17.07	17.54	16.04	16.60	16.51	17.05	17.53
	8H	16.26	16.78	16.73	17.23	17.71	16.24	16.77	16.72	17.22	17.69
	12H	16.42	16.87	16.91	17.36	17.84	16.41	16.86	16.90	17.35	17.83
8H	4H	15.78	16.30	16.25	16.75	17.23	15.76	16.29	16.24	16.74	17.21
	6H	16.48	16.90	16.99	17.40	17.89	16.46	16.88	16.97	17.38	17.87
	8H	16.76	17.13	17.29	17.65	18.15	16.74	17.11	17.27	17.63	18.13
	12H	17.40	17.72	17.92	18.21	18.79	17.38	17.70	17.90	18.19	18.77
12H	4H	15.79	16.24	16.28	16.73	17.21	15.77	16.23	16.26	16.72	17.19
	6H	16.89	16.90	17.06	17.37	17.92	16.87	16.88	17.04	17.35	17.90
	8H	16.85	17.17	17.37	17.67	18.25	16.83	17.15	17.35	17.65	18.23
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.7					0.2/-0.6					
S = 1.5H	0.7/-0.6					0.7/-0.6					
S = 2.0H	0.7/-0.6					0.8/-0.7					
标准表格	BKBF					BK4					
更正系数	3.3					0.2					

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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	1.05	1.01	0.98	1.03	0.99	0.97	1.00	0.97	0.95	0.97	0.94	0.92	0.94	0.92	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.90	0.95	0.92	0.89	0.93	0.90	0.88	0.90	0.88	0.86	0.85
4	0.94	0.90	0.86	0.93	0.89	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.85	0.83	0.81
5	0.90	0.85	0.82	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.78
6	0.87	0.82	0.78	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)

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	14697.55	13384.57	11036.40	8141.09	5670.91	3777.79	2575.31	1802.57	1277.68
30.0	14794.24	13801.26	11493.76	8692.07	6198.10	4128.48	2770.99	1949.14	1377.44
60.0	14708.30	13765.19	11542.10	8810.24	6270.23	4192.94	2811.67	1960.65	1392.79
90.0	14649.98	14235.59	12340.17	9804.00	7052.95	4750.06	3230.65	2197.00	1565.45
120.0	14681.44	14303.12	12305.64	9750.28	6944.75	4787.66	3212.24	2180.88	1523.78
150.0	14587.82	14591.65	13018.53	10428.64	7625.42	5311.01	3561.39	2414.16	1713.55
180.0	14697.55	14428.97	12756.09	10153.92	7329.21	4999.45	3433.24	2322.08	1513.80
210.0	14794.24	14287.01	12318.69	9750.28	7003.07	4703.25	3144.71	2182.42	1509.04
240.0	14708.30	14171.90	12250.39	9650.52	6973.15	4710.92	3107.87	2126.40	1512.50
270.0	14649.98	13517.33	11292.71	8530.15	5966.35	4040.23	2707.30	1900.79	1343.60
300.0	14681.44	13517.33	11264.31	8395.09	5883.47	4008.00	2658.19	1848.61	1306.84
330.0	14587.82	13035.42	10527.63	7715.97	5301.80	3580.58	2420.30	1519.48	1200.71
360.0	14697.55	13384.57	11036.40	8141.09	5670.91	3777.79	2575.31	1802.57	1277.68
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	929.29	692.17	530.26	418.22	339.10	278.94	237.43	204.81	178.41
30.0	988.38	737.45	561.72	438.94	355.30	291.76	245.33	211.80	184.48
60.0	1001.89	733.92	568.55	445.15	359.29	294.21	247.79	212.72	186.40
90.0	1105.02	815.72	613.90	484.21	387.52	312.78	262.67	222.77	192.61
120.0	1135.87	822.01	618.66	487.44	385.53	315.24	260.68	223.15	192.76
150.0	1228.57	887.85	660.71	515.68	403.64	325.90	272.50	229.68	198.83
180.0	1201.63	867.06	648.36	508.62	399.65	322.60	271.11	229.68	199.52
210.0	1101.95	813.27	610.75	478.00	383.53	311.86	261.06	224.69	194.15
240.0	1073.56	795.00	600.86	467.33	389.06	308.87	258.99	222.46	194.53
270.0	968.43	718.11	556.12	437.40	348.85	289.30	244.87	210.34	183.02
300.0	949.24	705.22	548.67	428.20	346.01	284.93	241.95	208.19	181.33
330.0	881.79	657.87	511.23	404.02	326.21	269.50	230.29	198.37	173.04
360.0	929.29	692.17	530.26	418.22	339.10	278.94	237.43	204.81	178.41
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	158.31	141.96	128.54	118.10	110.04	102.75	96.84	91.85	87.10
30.0	162.91	146.49	132.37	121.32	112.27	105.05	98.61	93.54	88.71
60.0	165.29	148.18	135.21	123.85	114.72	106.44	100.14	94.62	89.63
90.0	168.75	151.17	136.13	124.70	114.95	106.67	100.30	94.46	89.32
120.0	170.36	151.25	135.90	124.24	114.11	105.67	98.91	93.24	88.17
150.0	172.81	154.17	138.13	125.62	114.88	105.97	98.91	92.70	87.56
180.0	173.81	154.63	138.82	126.77	116.49	108.05	101.45	95.31	90.32
210.0	171.28	153.24	137.82	125.85	115.95	107.97	101.22	95.54	90.40
240.0	171.66	154.70	139.05	127.54	117.64	109.43	102.44	96.54	91.39
270.0	163.14	145.88	132.60	121.71	112.57	104.75	98.61	92.78	87.71
300.0	161.00	144.34	130.22	119.02	110.35	102.67	96.23	91.01	86.18
330.0	154.70	138.74	126.08	115.49	106.67	99.14	93.31	88.17	83.34
360.0	158.31	141.96	128.54	118.10	110.04	102.75	96.84	91.85	87.10
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	82.88	79.12	75.51	71.90	67.99	63.46	58.63	53.79	48.65
30.0	84.26	80.11	76.28	72.67	68.60	64.31	59.39	54.56	49.50
60.0	85.26	81.34	77.97	74.74	70.83	66.15	61.24	55.71	49.96
90.0	84.72	80.65	76.66	72.82	69.14	64.77	60.16	55.40	50.57
120.0	83.72	79.50	75.66	71.90	67.91	63.77	59.16	54.41	49.34
150.0	82.72	78.89	75.28	71.98	68.22	64.23	59.86	54.71	49.96
180.0	85.64	81.57	77.66	73.90	70.21	66.07	61.47	56.63	51.87
210.0	85.64	81.11	77.12	73.51	69.37	65.07	60.47	55.56	50.65
240.0	86.64	82.49	78.81	75.51	71.90	67.22	62.46	57.25	51.34
270.0	83.41	79.12	75.05	71.52	67.38	62.92	58.32	53.64	48.57
300.0	81.65	77.66	74.05	70.29	66.45	61.93	57.32	52.64	47.35
330.0	79.42	75.82	72.13	68.53	64.69	60.09	55.40	50.65	45.43
360.0	82.88	79.12	75.51	71.90	67.99	63.46	58.63	53.79	48.65

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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	43.20	37.45	31.69	25.86	20.03	14.04	8.59	3.45	0.31
30.0	43.97	38.22	32.23	26.70	20.72	15.12	9.59	3.84	0.31
60.0	44.58	38.83	32.77	26.78	21.26	15.58	10.05	4.22	0.31
90.0	45.20	39.98	34.07	28.24	22.56	16.73	11.05	5.37	0.77
120.0	44.20	38.75	33.00	27.63	21.95	16.35	11.20	5.53	0.92
150.0	44.81	39.75	34.22	28.39	23.25	17.11	11.66	6.45	1.69
180.0	46.73	41.52	35.45	29.39	23.64	17.65	12.12	6.37	1.23
210.0	45.43	39.67	33.92	28.32	22.41	16.65	11.43	5.45	0.69
240.0	45.66	40.36	34.38	28.55	22.87	16.65	11.43	5.45	0.69
270.0	43.59	38.06	32.31	26.55	20.95	14.73	9.67	3.76	0.38
300.0	42.21	36.76	31.31	25.63	20.18	14.43	9.06	3.61	0.31
330.0	40.59	34.84	29.39	24.02	18.34	13.05	7.90	2.69	0.31
360.0	43.20	37.45	31.69	25.86	20.03	14.04	8.59	3.45	0.31
C/γ(°)	90.0								
0.0	0.00								
30.0	0.08								
60.0	0.08								
90.0	0.15								
120.0	0.08								
150.0	0.23								
180.0	0.15								
210.0	0.08								
240.0	0.08								
270.0	0.08								
300.0	0.08								
330.0	0.08								
360.0	0.00								