

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: F2022A-30-UN (15-OL-30WN-C, P1)

报告编号:

电压(V): 220.5000

测试编号: 20210324003

电流(A): 0.1750

光源规格型号: OL

功率(W): 36.4000

每个光源光通量(lm)

功率因数: 0.9430

光源数量: 30

镇流器型号:

发光面长度(mm): 270

发光面宽度(mm): 152

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 3106.68

灯具效能(lm/w): 85.35

中心光强(cd): 22622.240

最大光强(cd): 22783.390

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=15.1

[C90/270]Total=15.5

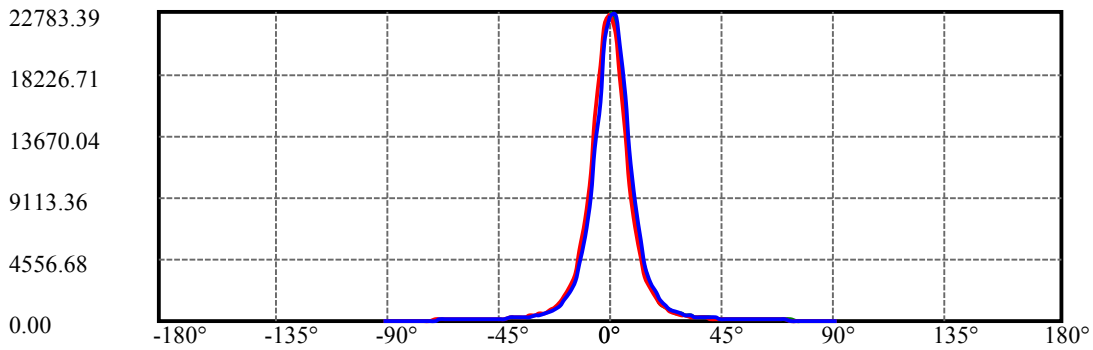
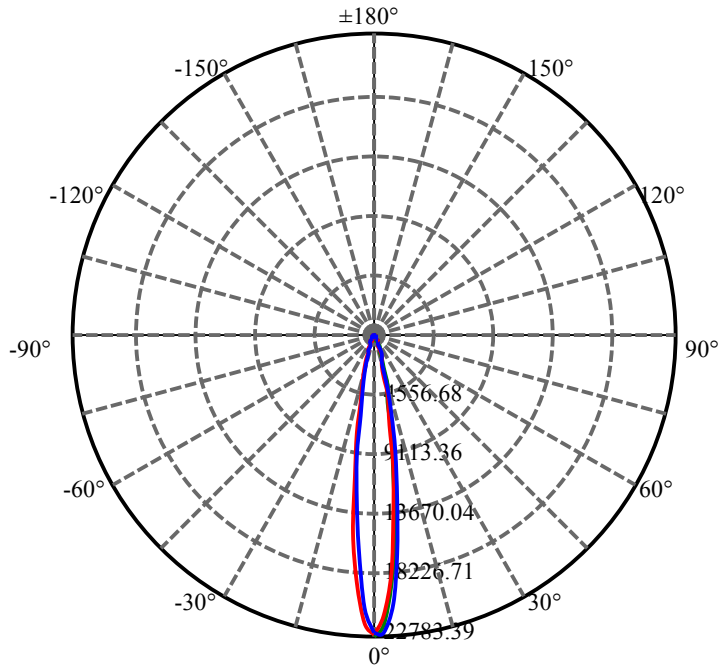
光束扩散角(10%Imax): [C0/180]Total=33.2

[C90/270]Total=33.3

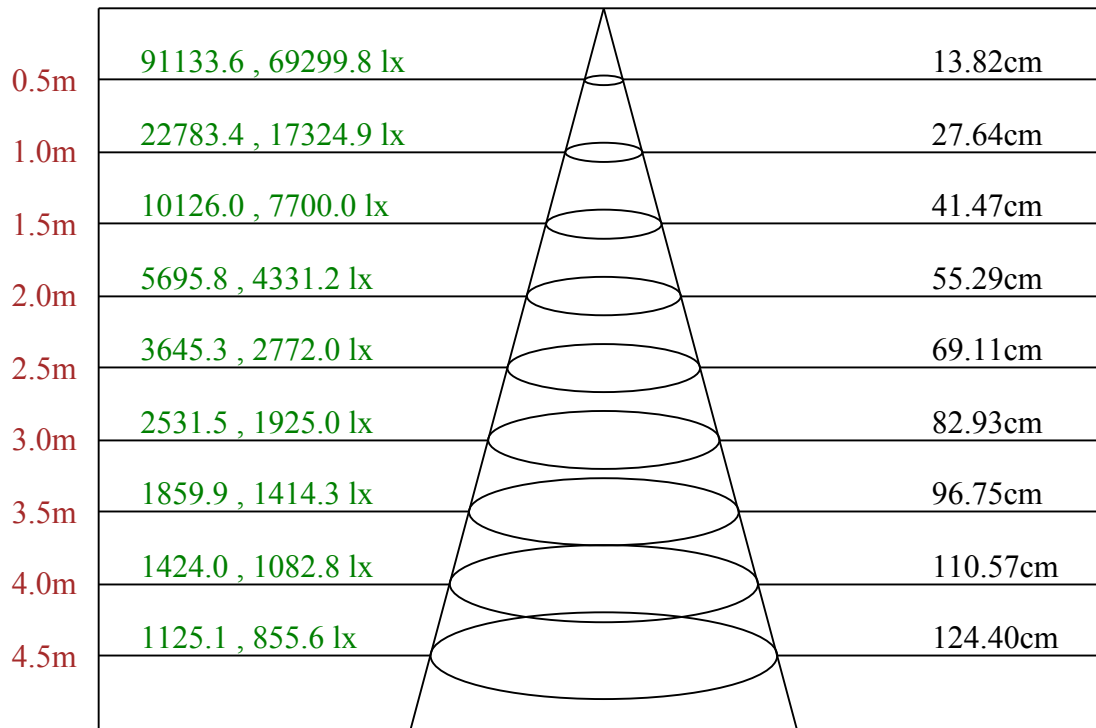
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/24
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

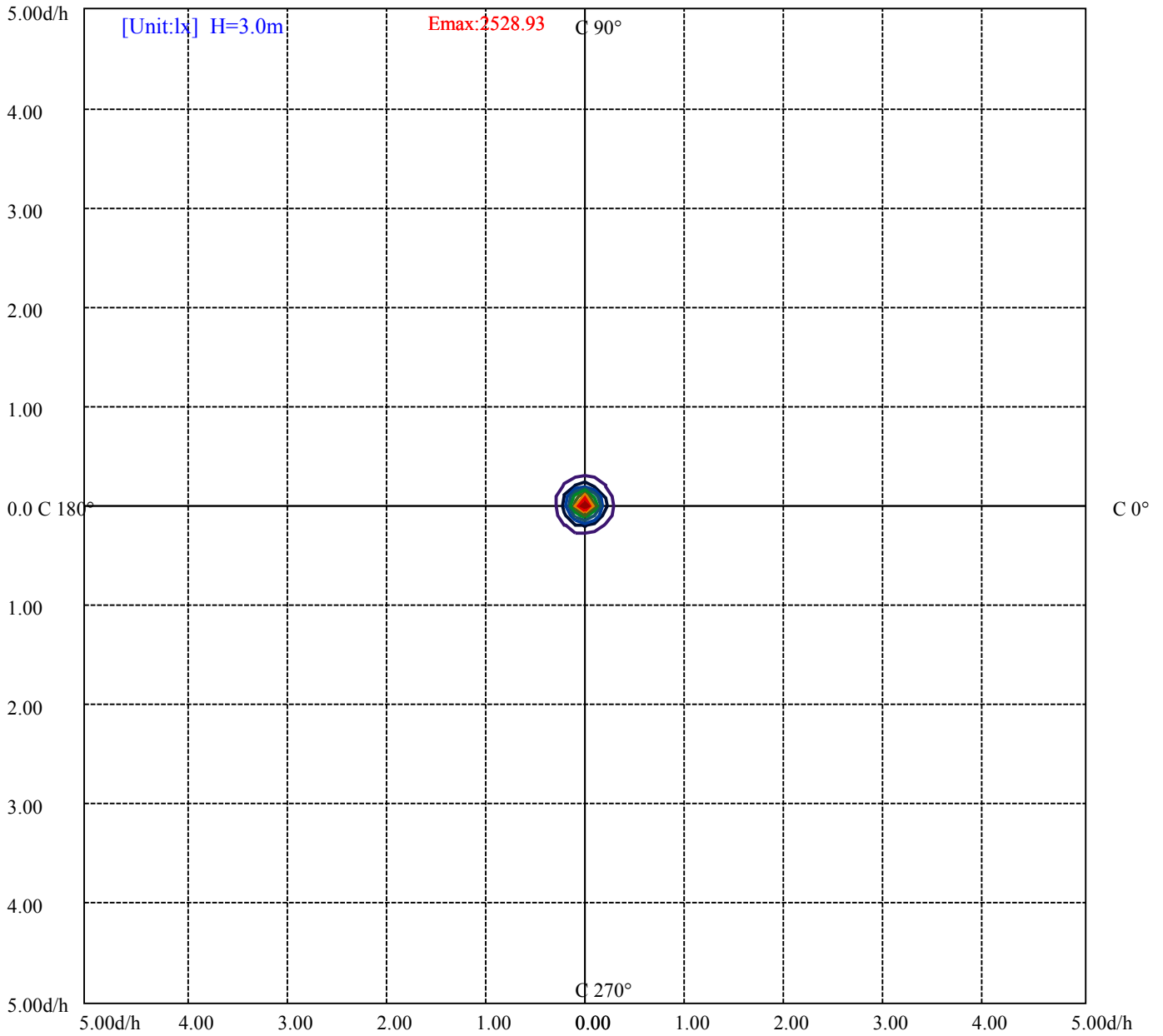


C30(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C30面光束角15.74

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平面等照度曲线



- (10%Emax) 252.8922
- (20%Emax) 505.7845
- (30%Emax) 758.6766
- (40%Emax) 1011.569
- (50%Emax) 1264.467
- (60%Emax) 1517.356
- (70%Emax) 1770.245
- (80%Emax) 2023.133
- (90%Emax) 2276.033

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

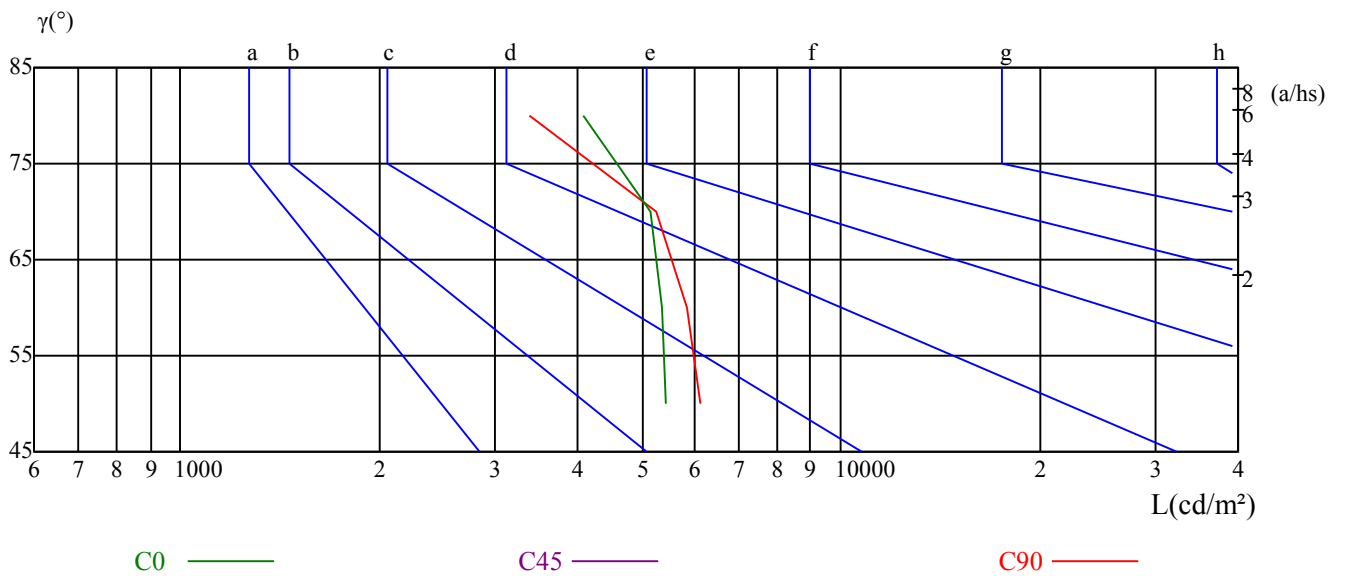
γ	45	50	55	60	65	70	75	80	85
C0	0	5422	0	5351	0	5155	0	4081	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6117	0	5860	0	5243	0	3381	0

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

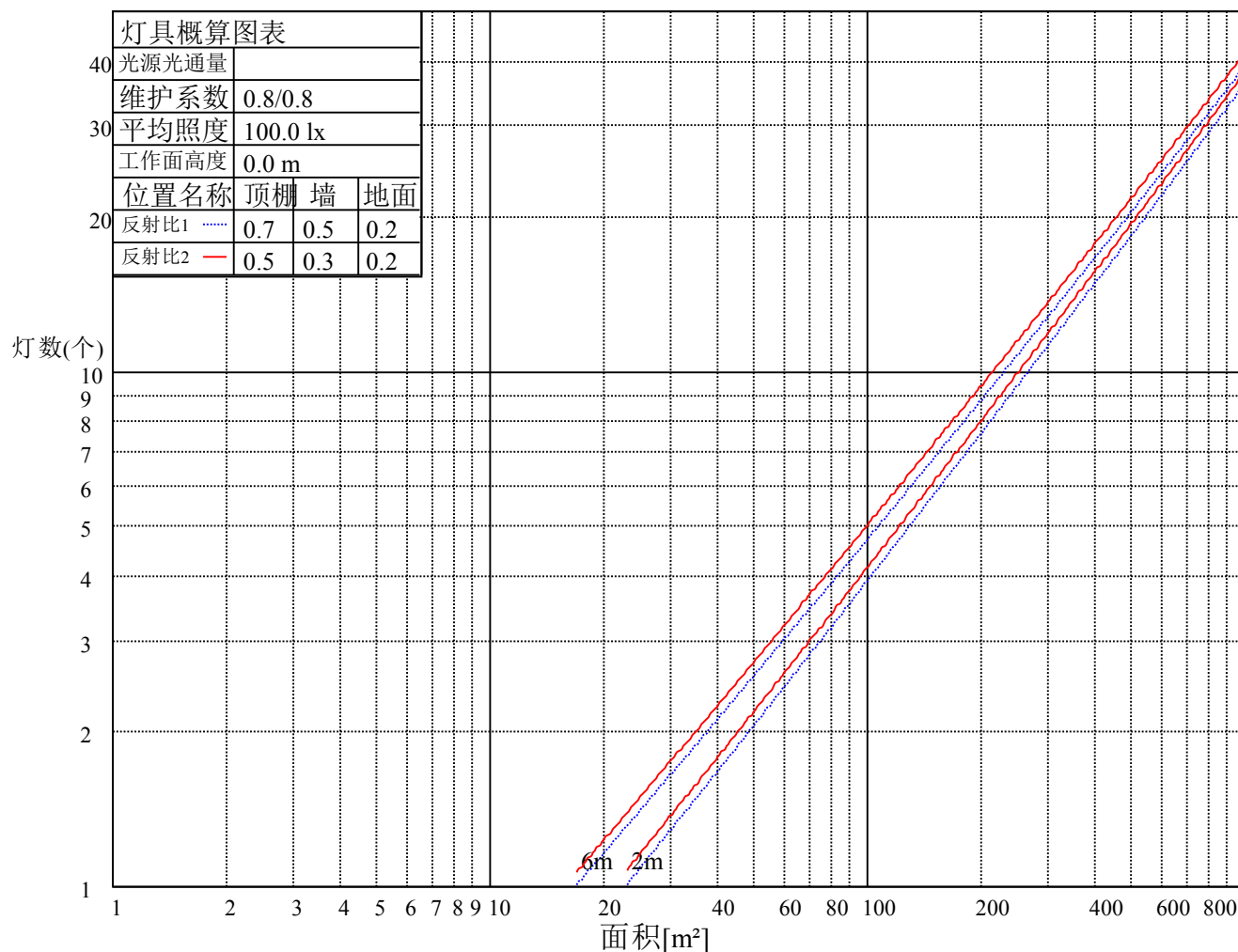
亮度限制曲线



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	10.22	11.29	10.59	11.60	11.92	9.95	11.01	10.31	11.33	11.64
	3H	11.91	12.86	12.29	13.19	13.56	11.88	12.83	12.26	13.16	13.53
	4H	12.45	13.33	12.86	13.68	14.07	12.54	13.42	12.95	13.77	14.16
	6H	12.68	13.49	13.10	13.86	14.26	12.95	13.76	13.37	14.13	14.53
	8H	12.70	13.45	13.13	13.85	14.25	13.04	13.80	13.47	14.19	14.60
	12H	12.68	13.40	13.11	13.79	14.22	13.10	13.83	13.54	14.21	14.64
4H	2H	10.82	11.70	11.23	12.05	12.44	10.61	11.49	11.02	11.84	12.23
	3H	12.68	13.40	13.09	13.81	14.21	12.76	13.48	13.17	13.89	14.29
	4H	13.32	13.97	13.76	14.39	14.84	13.53	14.17	13.96	14.60	15.04
	6H	13.58	14.14	14.05	14.59	15.06	13.94	14.49	14.41	14.94	15.42
	8H	13.60	14.12	14.08	14.57	15.04	14.05	14.57	14.53	15.02	15.49
	12H	13.59	14.03	14.08	14.52	15.00	14.11	14.56	14.60	15.05	15.52
8H	4H	13.56	14.08	14.04	14.53	15.00	13.74	14.25	14.21	14.70	15.18
	6H	13.90	14.30	14.40	14.81	15.29	14.26	14.67	14.77	15.17	15.66
	8H	13.95	14.31	14.48	14.83	15.33	14.42	14.78	14.95	15.31	15.80
	12H	14.54	14.85	15.06	15.35	15.93	15.03	15.34	15.55	15.84	16.42
12H	4H	13.55	14.00	14.04	14.49	14.96	13.71	14.16	14.20	14.65	15.12
	6H	14.25	14.27	14.44	14.74	15.29	14.59	14.62	14.79	15.09	15.63
	8H	13.98	14.30	14.51	14.80	15.37	14.45	14.76	14.97	15.26	15.84
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.2/-0.6					
S = 1.5H	0.8/-0.6					0.8/-0.6					
S = 2.0H	1.3/-0.8					0.8/-0.8					
标准表格	BK3					BK3					
更正系数	-0.5					-0.5					

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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	1.04	1.02	1.02	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	0.90	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	0.84	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	0.78	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	22622.24	21133.54	17979.62	13759.05	10090.99	6929.41	4657.97	3263.65	2352.77
30.0	22783.39	21900.91	18923.49	14879.42	10781.63	7550.98	5133.75	3913.62	2526.97
60.0	22737.35	21985.32	19176.73	15187.91	11215.97	7749.73	5368.56	3661.15	2574.55
90.0	22560.85	22530.16	20435.22	16583.00	12592.64	8817.15	6008.55	4159.18	2889.94
120.0	22691.31	22468.77	20082.23	15194.04	12069.29	8605.35	5890.38	4090.11	2860.78
150.0	22537.83	22484.12	20181.99	16429.52	12224.30	8709.72	5970.19	4097.79	2933.68
180.0	22622.24	21747.44	18793.04	14965.37	10827.68	7484.22	5212.79	3586.72	2582.22
210.0	22783.39	21409.79	18048.68	14053.72	10093.30	7020.72	4680.99	3312.76	2335.13
240.0	22737.35	21317.71	18002.64	13766.73	9906.82	6921.73	4665.65	3265.95	2356.61
270.0	22560.85	20565.68	16145.59	12711.58	9161.70	6211.14	4251.26	2980.49	2148.65
300.0	22691.31	20757.52	17189.22	13183.52	9431.05	6591.76	4389.39	3147.78	2243.81
330.0	22537.83	20435.22	16230.00	12703.91	8985.21	6225.72	4267.38	2999.67	2128.70
360.0	22622.24	21133.54	17979.62	13759.05	10090.99	6929.41	4657.97	3263.65	2352.77
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1675.95	1231.64	945.41	732.08	582.44	479.61	399.04	342.25	298.28
30.0	1817.15	1339.84	1006.03	782.72	619.27	506.47	422.82	363.51	314.39
60.0	1880.07	1366.93	1026.83	797.46	636.62	515.98	434.03	368.72	319.00
90.0	2092.63	1501.75	1111.93	865.60	679.13	545.60	451.98	387.52	333.50
120.0	2045.06	1481.19	1121.29	863.22	675.83	548.75	453.75	382.23	328.82
150.0	2104.91	1545.50	1131.11	882.48	689.87	556.35	458.12	388.29	333.66
180.0	1831.73	1358.26	1022.76	803.98	631.55	510.23	427.81	360.90	310.86
210.0	1627.60	1264.33	956.69	759.24	604.85	492.89	413.85	356.29	307.64
240.0	1677.48	1256.96	943.11	744.35	597.02	493.42	412.08	354.76	310.10
270.0	1516.95	1178.38	898.98	708.21	574.99	472.01	398.73	343.78	301.35
300.0	1632.98	1213.99	928.52	731.31	587.04	479.61	400.57	348.08	301.20
330.0	1530.68	1170.40	905.20	710.74	567.70	464.72	394.43	337.88	295.29
360.0	1675.95	1231.64	945.41	732.08	582.44	479.61	399.04	342.25	298.28
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	261.60	233.51	211.11	191.61	176.19	162.76	152.17	143.04	135.29
30.0	275.87	245.02	221.39	201.59	185.70	173.20	162.15	152.63	144.73
60.0	280.17	248.94	224.92	204.97	189.93	176.57	165.75	156.24	148.64
90.0	294.14	261.83	235.89	214.94	198.52	183.71	171.51	161.38	152.25
120.0	288.84	255.61	230.44	209.26	192.23	178.49	166.98	157.39	149.02
150.0	291.30	257.68	230.60	210.34	193.30	177.95	166.44	156.08	147.49
180.0	272.19	242.57	217.32	196.83	180.72	166.67	154.86	144.88	136.82
210.0	272.50	242.64	218.24	199.36	184.71	171.51	160.77	151.86	143.88
240.0	272.11	242.72	218.70	200.75	185.70	173.66	162.76	153.86	145.95
270.0	267.97	242.87	220.31	202.43	187.32	174.73	164.06	154.55	146.26
300.0	266.59	238.73	216.02	197.75	184.02	171.43	160.92	152.48	144.65
330.0	261.60	234.20	212.72	195.14	181.02	168.36	158.23	149.33	141.58
360.0	261.60	233.51	211.11	191.61	176.19	162.76	152.17	143.04	135.29
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	128.15	121.78	115.80	109.81	103.67	96.38	89.09	80.96	72.36
30.0	137.74	131.22	124.85	119.17	113.03	106.74	99.30	91.24	82.11
60.0	141.27	134.44	127.77	120.78	113.65	104.82	95.38	84.10	74.28
90.0	144.34	135.60	127.92	120.25	112.42	103.29	93.39	83.64	73.59
120.0	141.81	134.67	127.77	120.78	113.88	105.44	95.54	84.95	74.82
150.0	139.89	133.06	125.01	116.64	111.12	104.21	94.54	87.40	77.58
180.0	128.92	121.71	115.34	109.81	102.60	95.69	88.17	79.81	72.06
210.0	137.05	130.22	123.85	117.87	111.42	104.82	97.30	89.09	79.96
240.0	138.82	131.76	125.01	118.33	110.81	101.14	89.94	80.11	69.68
270.0	138.05	130.53	122.24	114.65	105.28	94.85	85.10	74.90	65.92
300.0	137.13	130.07	123.39	116.18	108.97	99.22	88.02	77.97	67.53
330.0	134.98	128.38	122.09	116.18	110.20	103.06	95.85	87.25	77.74
360.0	128.15	121.78	115.80	109.81	103.67	96.38	89.09	80.96	72.36

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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	63.23	55.02	46.04	37.37	29.08	19.80	10.82	3.07	0.84
30.0	73.05	62.85	51.87	39.98	29.31	21.41	11.20	3.61	1.00
60.0	63.92	55.10	46.58	35.38	23.87	14.04	6.22	2.07	1.38
90.0	64.84	55.40	44.89	33.00	24.10	12.35	3.45	2.30	1.46
120.0	65.23	56.25	48.11	36.30	23.10	14.20	6.29	2.07	1.38
150.0	65.92	58.40	48.27	38.14	27.93	21.64	12.66	4.76	1.07
180.0	62.77	53.26	43.82	36.68	27.17	18.42	10.36	3.15	0.77
210.0	70.60	59.86	48.73	36.76	26.86	18.57	8.67	2.00	0.84
240.0	59.63	51.95	42.67	29.93	20.49	9.90	2.30	1.69	0.92
270.0	56.48	45.51	33.23	24.94	13.74	4.53	2.30	1.69	0.69
300.0	58.55	50.49	41.36	28.09	19.41	8.82	2.23	1.61	0.84
330.0	67.91	56.71	44.97	34.07	25.40	15.96	6.83	1.53	0.77
360.0	63.23	55.02	46.04	37.37	29.08	19.80	10.82	3.07	0.84

C/γ(°)	90.0
0.0	0.31
30.0	0.31
60.0	0.46
90.0	0.54
120.0	0.46
150.0	0.46
180.0	0.31
210.0	0.23
240.0	0.23
270.0	0.15
300.0	0.15
330.0	0.31
360.0	0.31