

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2222A-18-36DC-RC-Y (12-XL-18RGBWN-C, CT)

报告编号:

电压(V): 34.0000

测试编号: 20210303007

电流(A): 2.0390

光源规格型号: XL

功率(W): 69.5000

每个光源光通量(lm)

功率因数: 1.0340

光源数量: 12

镇流器型号:

发光面长度(mm): 270

发光面宽度(mm): 160

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 4024.50

灯具效能(lm/w): 57.91

中心光强(cd): 45536.090

最大光强(cd): 46119.300

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=13.4

[C90/270]Total=13.6

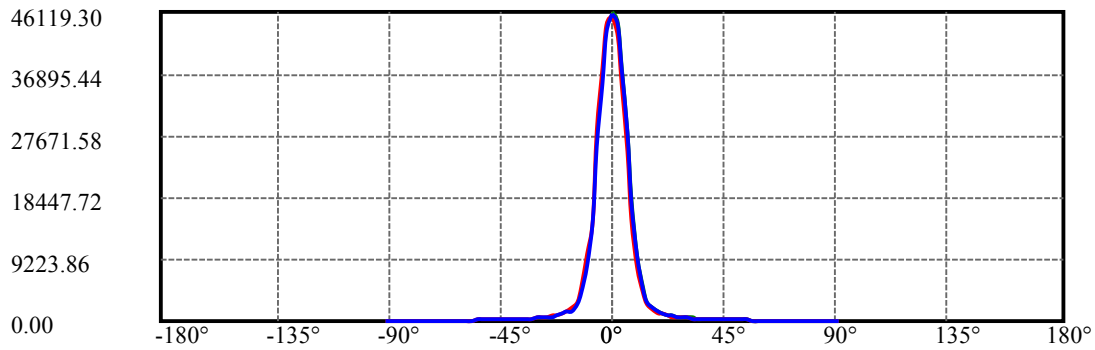
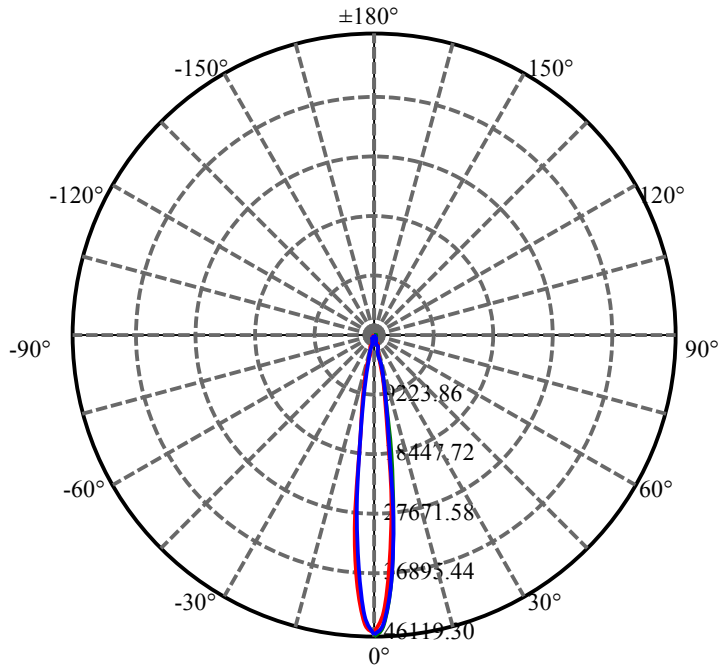
光束扩散角(10%Imax): [C0/180]Total=24.3

[C90/270]Total=24.2

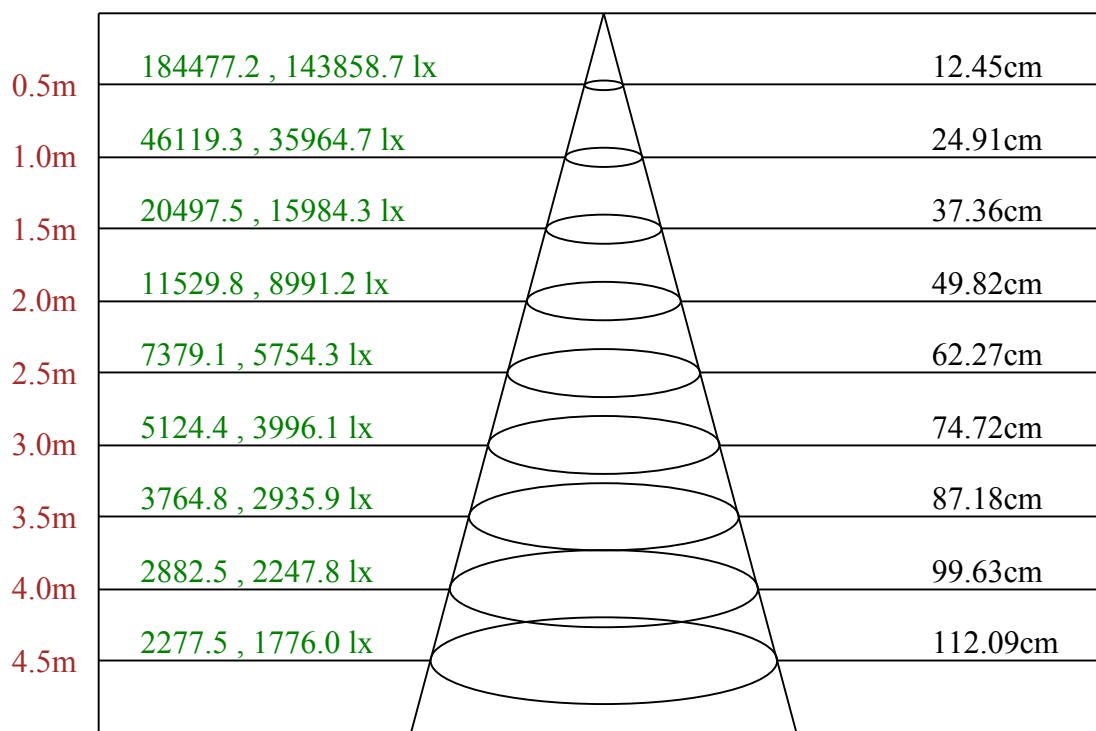
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/3
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

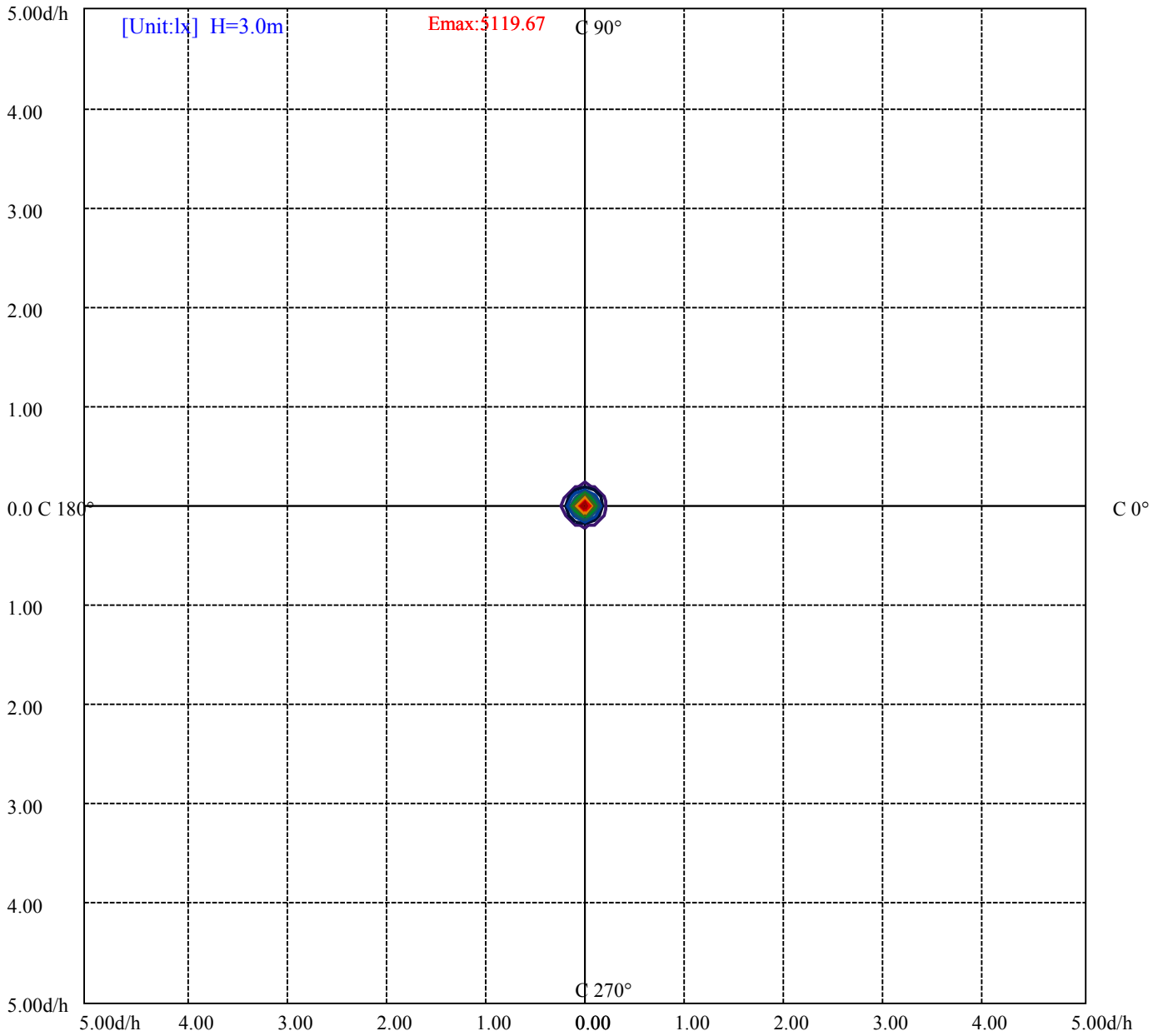


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角14.20

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平面等照度曲线



- (10%Emax) 511.9655
- (20%Emax) 1023.931
- (30%Emax) 1535.9
- (40%Emax) 2047.867
- (50%Emax) 2559.833
- (60%Emax) 3071.789
- (70%Emax) 3583.756
- (80%Emax) 4095.722
- (90%Emax) 4607.689

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

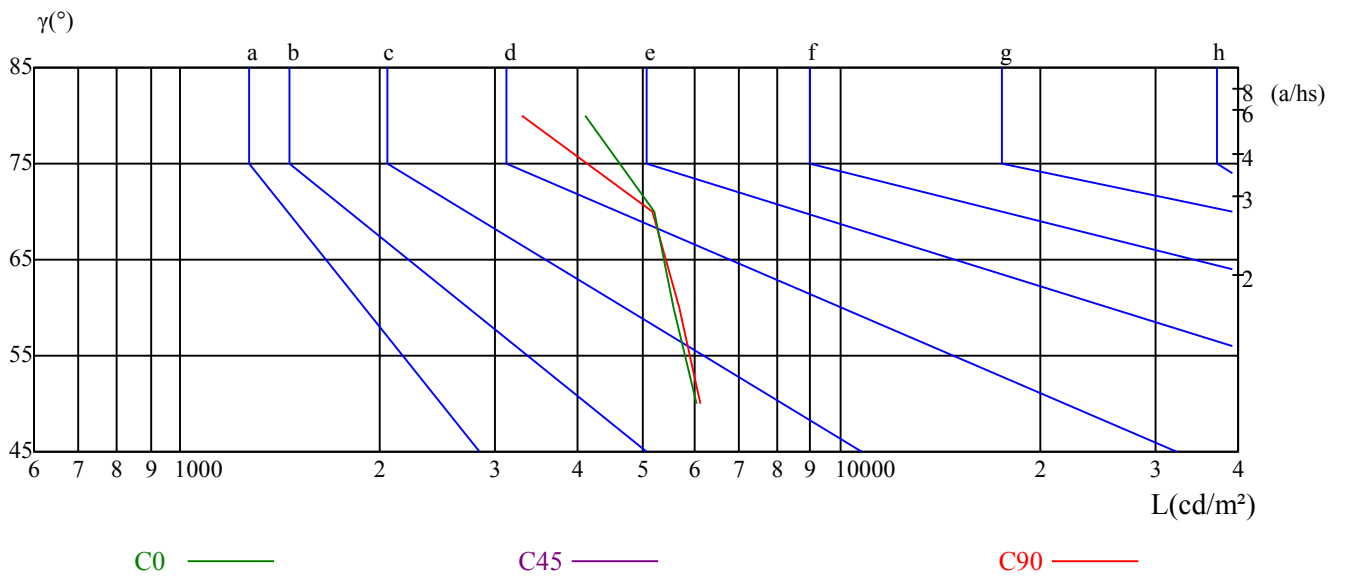
γ	45	50	55	60	65	70	75	80	85
C0	0	6049	0	5574	0	5230	0	4102	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6138	0	5688	0	5199	0	3284	0

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	8.51	9.54	8.88	9.85	10.17	8.54	9.57	8.91	9.88	10.20
	3H	10.34	11.25	10.72	11.58	11.95	10.44	11.35	10.82	11.68	12.05
	4H	10.93	11.78	11.34	12.13	12.52	11.11	11.96	11.52	12.31	12.70
	6H	11.26	12.03	11.68	12.41	12.80	11.57	12.34	11.99	12.72	13.11
	8H	11.31	12.03	11.74	12.43	12.84	11.69	12.42	12.12	12.81	13.22
	12H	11.32	12.02	11.76	12.40	12.83	11.80	12.49	12.24	12.88	13.31
4H	2H	9.10	9.95	9.51	10.30	10.69	9.13	9.97	9.53	10.32	10.71
	3H	11.13	11.82	11.55	12.23	12.64	11.23	11.92	11.64	12.33	12.74
	4H	11.82	12.44	12.26	12.87	13.31	12.02	12.64	12.46	13.06	13.51
	6H	12.17	12.70	12.64	13.15	13.63	12.49	13.02	12.96	13.47	13.94
	8H	12.24	12.74	12.72	13.19	13.66	12.64	13.14	13.12	13.59	14.06
	12H	12.26	12.68	12.75	13.17	13.65	12.76	13.18	13.25	13.67	14.15
8H	4H	12.07	12.56	12.55	13.01	13.49	12.25	12.74	12.72	13.19	13.66
	6H	12.54	12.93	13.05	13.43	13.92	12.86	13.25	13.37	13.76	14.24
	8H	12.66	13.00	13.19	13.53	14.02	13.09	13.43	13.62	13.95	14.45
	12H	13.23	13.53	13.75	14.03	14.61	13.70	14.00	14.23	14.50	15.08
12H	4H	12.07	12.50	12.56	12.99	13.46	12.23	12.66	12.72	13.15	13.62
	6H	12.87	12.92	13.11	13.39	13.94	13.18	13.23	13.41	13.70	14.25
	8H	12.73	13.02	13.25	13.52	14.10	13.14	13.44	13.66	13.94	14.52
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.3/-0.6					
S = 1.5H	0.9/-0.7					0.8/-0.7					
S = 2.0H	1.2/-0.8					1.0/-0.8					
标准表格	BK3					BK3					
更正系数	-1.1					-0.9					

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光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	45536.09	42366.83	35107.45	25108.54	15255.43	7903.97	4266.61	2500.88	1669.81
30.0	46119.30	44377.35	37770.25	28070.61	18447.72	9761.02	5210.48	2976.65	1971.39
60.0	46034.89	43210.94	36250.84	26505.17	14965.37	8677.49	4688.67	2717.28	1840.94
90.0	45843.04	44024.36	37609.10	28047.59	17787.78	9845.43	4995.62	2893.77	1876.23
120.0	45704.91	43617.65	37033.57	27379.98	15279.99	8956.05	4496.06	2569.94	1759.59
150.0	45505.40	44315.96	38967.35	29712.80	19238.12	10658.85	5248.85	2897.61	1883.91
180.0	45536.09	44047.38	37831.64	28477.32	15173.33	10025.77	5120.70	2879.96	1901.56
210.0	46119.30	42758.19	35552.53	25714.77	14971.51	8128.81	4438.50	2608.31	1797.19
240.0	46034.89	43548.59	36887.76	27287.89	17519.19	8909.24	4803.77	2780.97	1870.86
270.0	45843.04	42927.01	35575.55	26083.11	15049.78	8297.64	4262.01	2463.28	1523.01
300.0	45704.91	43479.52	36565.47	27103.72	16575.32	8402.77	4358.70	2497.04	1682.09
330.0	45505.40	42412.87	34746.79	24425.58	14643.07	7436.64	3813.86	2246.88	1516.72
360.0	45536.09	42366.83	35107.45	25108.54	15255.43	7903.97	4266.61	2500.88	1669.81

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1281.52	1025.21	842.58	696.01	599.32	518.75	453.52	400.57	353.61
30.0	1438.83	1147.23	930.83	766.61	648.43	560.95	492.66	431.27	387.52
60.0	1384.19	1101.88	896.76	750.65	638.61	553.82	486.36	426.43	376.63
90.0	1401.23	1101.18	907.04	750.49	636.15	555.58	483.45	425.89	387.52
120.0	1334.24	1066.12	877.03	726.09	619.96	535.78	467.49	410.47	365.12
150.0	1408.90	1114.23	914.71	753.56	633.85	546.37	476.54	420.52	388.29
180.0	1405.37	1112.08	914.10	757.78	641.45	559.11	487.90	427.20	376.24
210.0	1365.32	1085.45	885.32	742.90	631.17	549.44	483.37	422.98	373.94
240.0	1398.16	1112.70	910.11	752.03	638.46	551.74	484.21	425.13	389.83
270.0	1301.62	1040.72	851.25	714.20	606.30	529.03	459.58	406.17	359.82
300.0	1279.22	1033.66	837.21	698.31	591.65	508.77	445.08	394.43	350.23
330.0	1231.33	995.36	810.27	672.68	570.47	498.72	437.10	384.46	343.55
360.0	1281.52	1025.21	842.58	696.01	599.32	518.75	453.52	400.57	353.61

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	315.93	282.62	253.92	230.14	210.87	194.45	180.72	167.98	156.01
30.0	340.48	304.19	273.34	247.71	224.46	205.27	189.54	173.96	161.23
60.0	334.65	300.89	270.35	244.95	221.46	202.28	185.94	170.59	158.39
90.0	334.73	298.43	269.35	241.88	218.47	200.82	185.40	170.43	157.93
120.0	324.45	291.14	261.60	235.51	213.02	194.61	180.03	165.83	153.94
150.0	333.04	296.74	266.36	239.81	217.86	198.98	184.02	169.36	156.54
180.0	335.27	298.82	267.89	242.03	219.01	201.97	186.40	172.97	160.07
210.0	334.27	297.36	268.66	241.34	219.70	201.82	186.70	171.28	158.62
240.0	336.49	300.35	270.12	243.49	220.31	201.28	186.40	171.36	158.23
270.0	320.07	287.15	258.61	234.13	210.80	194.76	180.10	166.21	154.63
300.0	312.71	281.47	253.08	228.75	207.58	191.15	177.19	163.30	152.02
330.0	306.49	275.95	249.24	225.92	204.89	189.00	175.58	161.61	150.87
360.0	315.93	282.62	253.92	230.14	210.87	194.45	180.72	167.98	156.01

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	146.19	137.21	128.77	120.40	112.96	104.82	96.31	87.17	77.27
30.0	150.25	140.97	132.22	123.78	116.41	108.89	101.52	93.39	84.95
60.0	148.10	139.59	130.76	122.47	114.80	107.51	99.22	90.70	82.19
90.0	148.26	139.66	131.68	122.86	114.11	106.36	97.61	88.17	76.81
120.0	143.88	135.21	127.08	119.17	112.19	104.29	93.85	83.34	72.36
150.0	146.42	137.51	129.23	121.25	113.96	106.74	96.84	86.71	77.20
180.0	150.18	141.04	132.07	123.85	115.57	107.66	98.99	90.63	80.65
210.0	149.02	139.36	130.76	122.55	115.03	107.43	99.45	91.47	82.80
240.0	148.26	139.59	130.91	122.86	115.57	107.89	100.53	92.24	83.26
270.0	145.49	137.67	129.38	120.94	112.34	104.82	96.08	85.49	74.59
300.0	142.73	134.44	126.39	119.10	111.73	104.75	97.23	89.25	80.65
330.0	141.66	133.06	125.08	117.87	110.35	103.14	96.08	88.02	80.11
360.0	146.19	137.21	128.77	120.40	112.96	104.82	96.31	87.17	77.27

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光强数据表(cd)

附页 第 8页 共8页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	67.84	58.17	48.88	39.75	30.77	22.02	13.35	5.37	0.46
30.0	75.66	65.53	55.71	45.58	35.76	24.02	13.89	6.68	0.54
60.0	71.67	60.16	48.73	38.91	29.01	20.11	9.44	1.69	0.54
90.0	66.38	55.94	45.97	36.07	24.63	17.73	8.13	0.92	0.54
120.0	61.70	53.56	42.97	35.76	28.39	18.19	8.82	2.23	0.54
150.0	65.23	54.94	46.96	43.05	35.91	24.79	14.35	4.07	0.84
180.0	70.52	61.47	51.80	42.13	33.23	25.55	16.35	7.90	1.07
210.0	73.67	62.39	53.10	43.36	33.61	21.95	11.97	4.68	0.46
240.0	72.59	60.78	49.88	39.83	30.16	20.34	9.98	1.76	0.46
270.0	64.08	54.10	43.66	34.22	25.48	16.27	7.75	0.69	0.46
300.0	70.60	58.63	48.27	38.91	29.01	19.80	9.29	1.15	0.54
330.0	70.75	60.47	51.03	41.44	31.62	20.34	11.05	3.76	0.46
360.0	67.84	58.17	48.88	39.75	30.77	22.02	13.35	5.37	0.46

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