

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2221A-9-36DC-RC-Y (12-XL-9RGBWN-C, CT)

报告编号:

电压(V): 35.9000

测试编号: 20210223006

电流(A): 1.0050

光源规格型号: XL

功率(W): 36.0000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 9

镇流器型号:

发光面长度(mm): 156

发光面宽度(mm): 156

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2127.19

灯具效能(lm/w): 59.09

中心光强(cd): 22637.590

最大光强(cd): 24609.750

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=13.7

[C90/270]Total=13.7

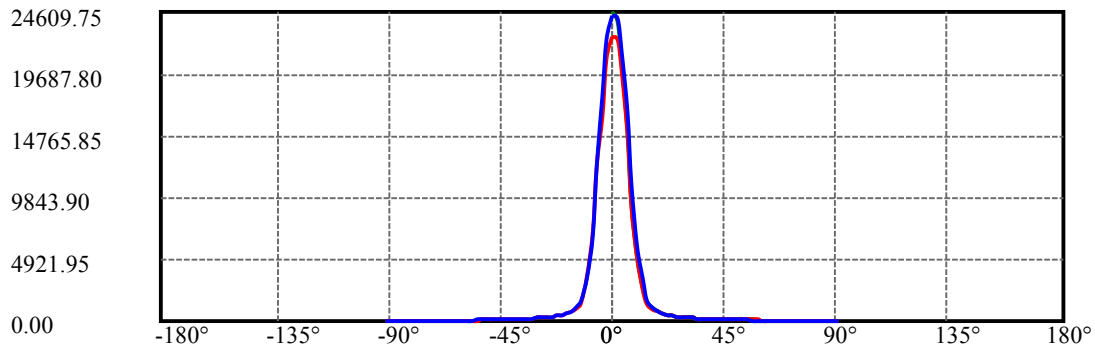
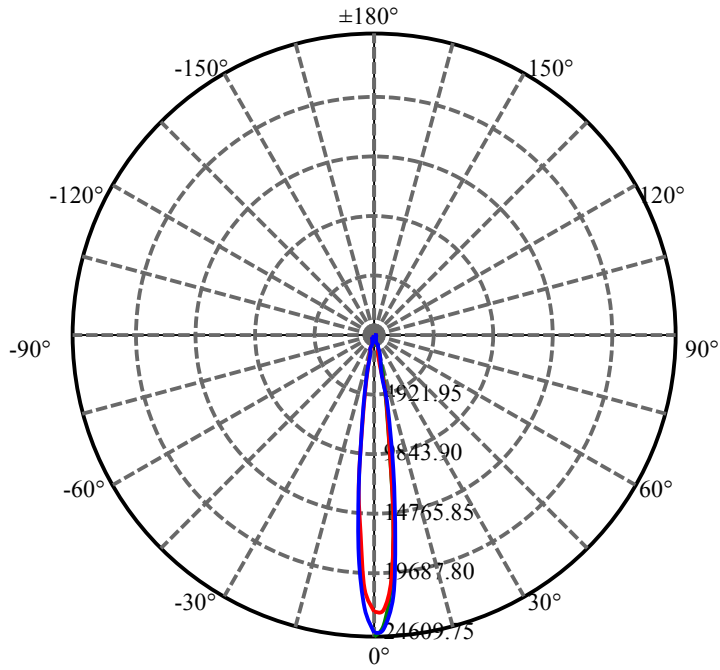
光束扩散角(10%Imax): [C0/180]Total=23.7

[C90/270]Total=24.3

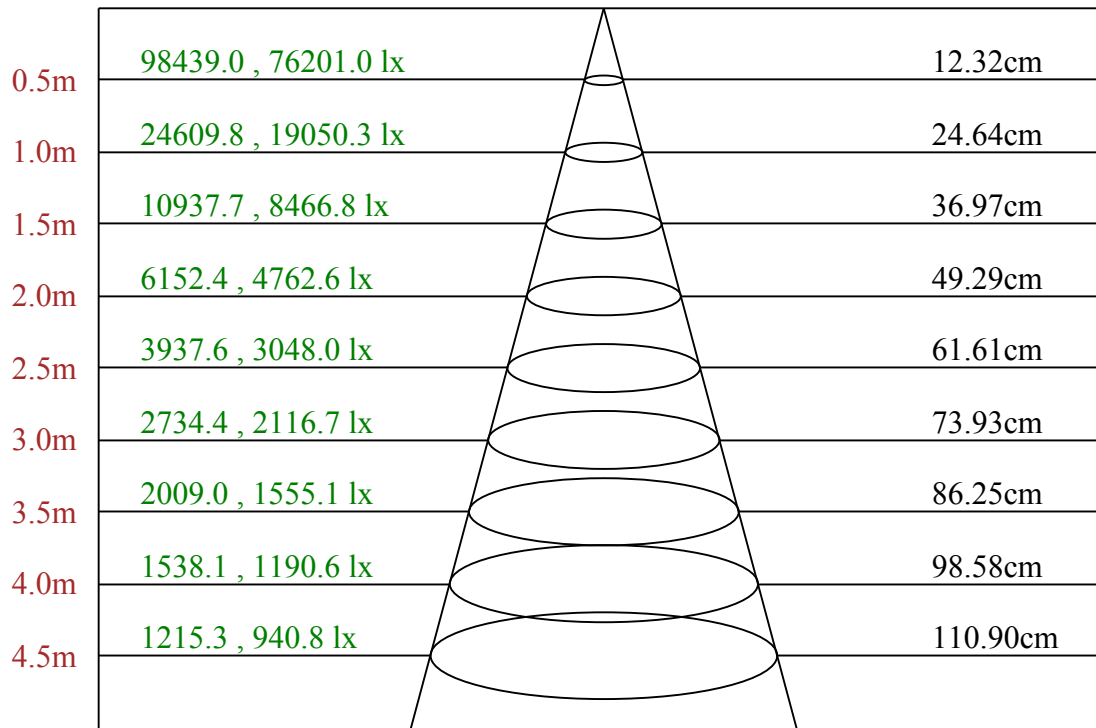
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/23
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

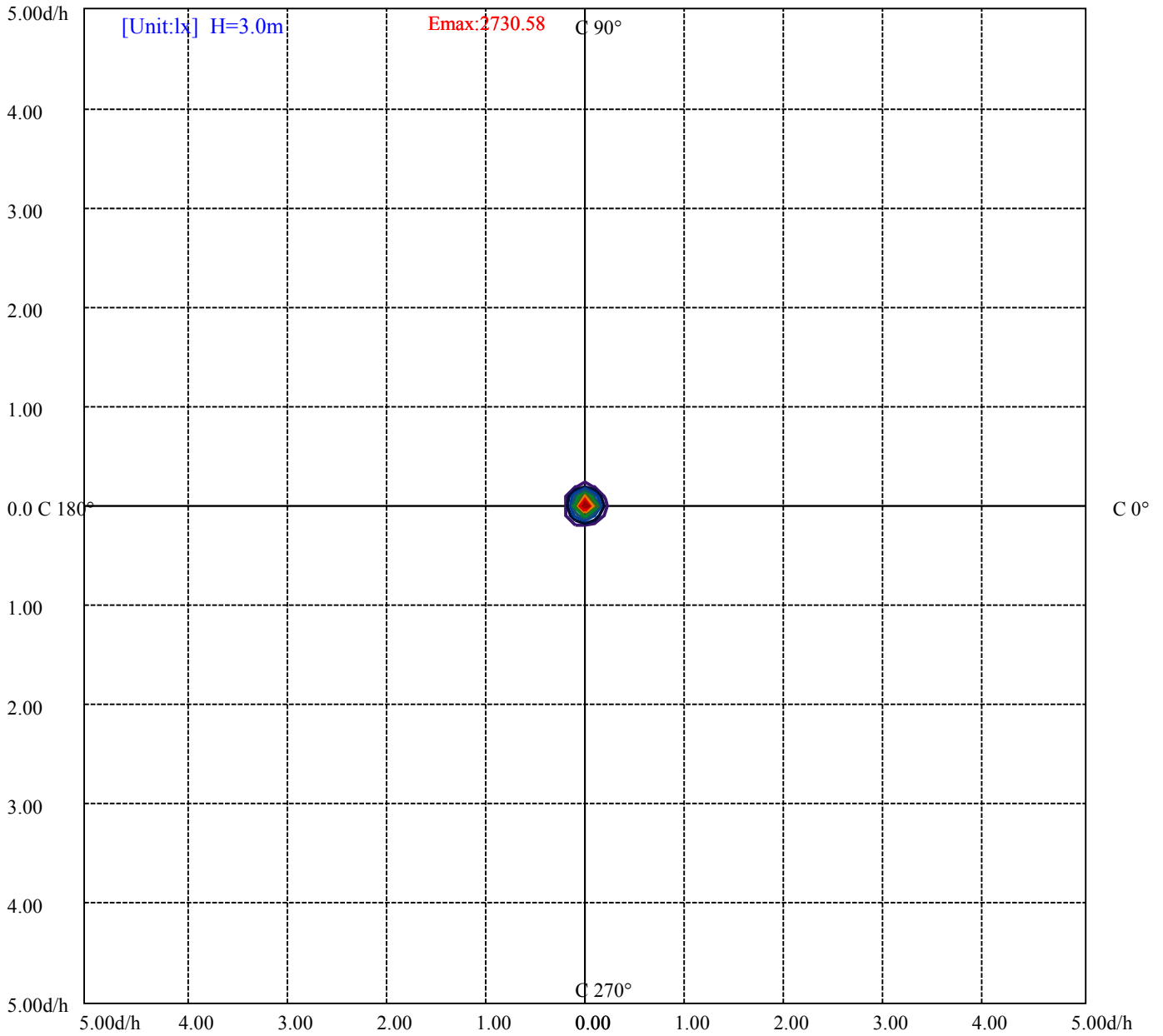


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角14.05

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平面等照度曲线



- (10%Emax) 273.0567
- (20%Emax) 546.1144
- (30%Emax) 819.1711
- (40%Emax) 1092.228
- (50%Emax) 1365.289
- (60%Emax) 1638.344
- (70%Emax) 1911.4
- (80%Emax) 2184.456
- (90%Emax) 2457.511

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

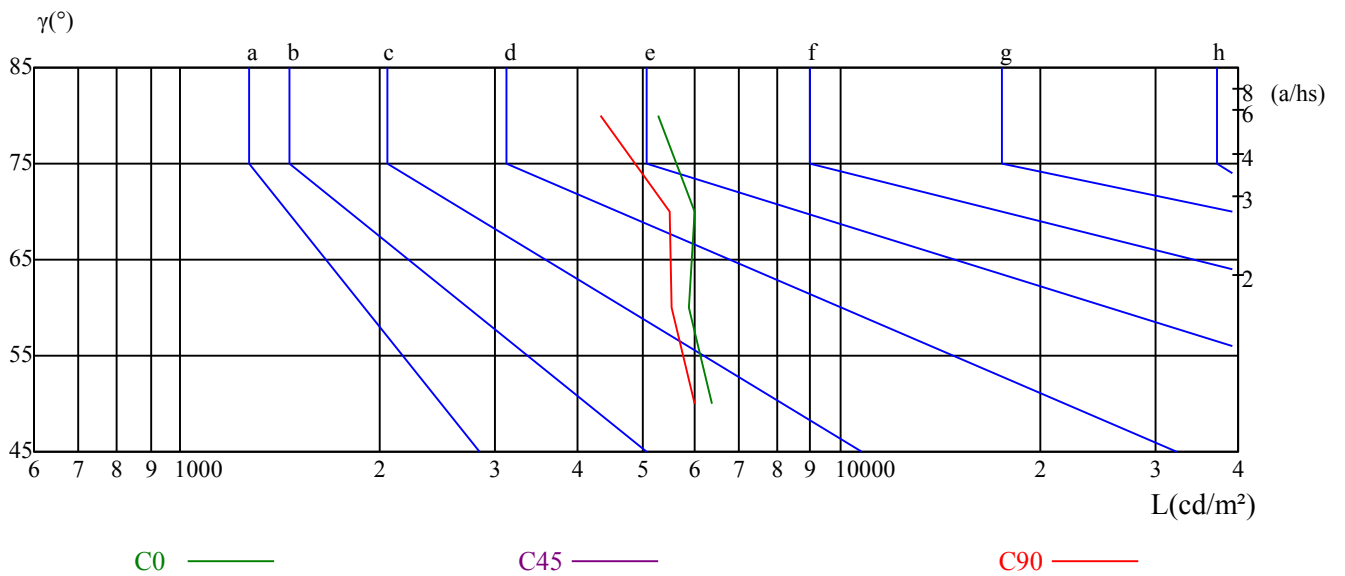
γ	45	50	55	60	65	70	75	80	85
C0	0	6367	0	5903	0	6011	0	5302	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6000	0	5556	0	5513	0	4322	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
156596	174918	0	109850	150524	0	49964	47196	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	10.61	11.65	10.98	11.96	12.27	10.52	11.56	10.89	11.87	12.18
	3H	12.56	13.47	12.94	13.81	14.18	12.63	13.54	13.01	13.88	14.24
	4H	13.25	14.10	13.65	14.45	14.84	13.42	14.27	13.82	14.62	15.01
	6H	13.67	14.45	14.09	14.82	15.22	13.94	14.72	14.36	15.09	15.49
	8H	13.76	14.49	14.20	14.89	15.30	14.09	14.82	14.52	15.21	15.62
	12H	13.83	14.53	14.26	14.91	15.34	14.24	14.94	14.68	15.33	15.76
4H	2H	11.19	12.04	11.59	12.39	12.78	11.12	11.97	11.52	12.32	12.71
	3H	13.33	14.03	13.75	14.44	14.84	13.39	14.09	13.80	14.49	14.90
	4H	14.13	14.76	14.57	15.18	15.63	14.31	14.93	14.75	15.36	15.80
	6H	14.58	15.11	15.05	15.56	16.03	14.84	15.37	15.31	15.82	16.30
	8H	14.70	15.20	15.17	15.65	16.12	15.02	15.52	15.50	15.97	16.45
	12H	14.77	15.20	15.26	15.68	16.16	15.18	15.61	15.67	16.10	16.58
8H	4H	14.40	14.90	14.88	15.35	15.82	14.56	15.05	15.03	15.51	15.98
	6H	14.97	15.36	15.48	15.87	16.35	15.22	15.61	15.72	16.11	16.60
	8H	15.15	15.50	15.68	16.02	16.52	15.46	15.81	15.99	16.33	16.83
	12H	15.73	16.03	16.25	16.53	17.11	16.08	16.38	16.60	16.88	17.46
12H	4H	14.40	14.83	14.89	15.32	15.80	14.55	14.98	15.04	15.47	15.95
	6H	15.31	15.35	15.54	15.82	16.37	15.55	15.59	15.77	16.06	16.61
	8H	15.23	15.53	15.75	16.02	16.60	15.52	15.82	16.04	16.32	16.90
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.6					0.3/-0.6					
S = 1.5H	0.8/-0.7					0.7/-0.6					
S = 2.0H	1.0/-0.8					0.9/-0.7					
标准表格	BK4					BK3					
更正系数	-0.1					-0.4					

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光强数据表(cd)

附页 第7页 共8页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	22637.59	22392.03	19882.71	14894.77	9231.53	5003.29	2499.34	1433.46	954.62
30.0	24609.75	23704.24	20281.75	15109.63	9292.92	5087.70	2665.10	1559.31	1019.08
60.0	24540.68	23550.77	20404.53	15278.46	9536.18	5104.59	2711.14	1510.81	1022.84
90.0	24341.17	24034.22	21348.40	16644.39	11004.17	5947.16	3350.36	1672.88	1055.91
120.0	24356.51	23804.00	20926.34	15240.85	9814.74	5225.83	2520.83	1436.30	952.85
150.0	24180.02	23550.77	20634.74	15692.84	9998.91	5156.77	2602.94	1416.58	934.66
180.0	22637.59	20757.52	16398.83	12307.18	7122.78	3634.29	1509.97	1077.32	780.96
210.0	24609.75	22998.26	19038.60	13704.57	8242.39	4403.20	2279.87	1363.47	919.85
240.0	24540.68	22990.58	19099.99	13551.86	8034.43	4281.96	2206.21	1308.38	910.11
270.0	24341.17	22330.64	18033.34	12411.54	6834.25	3483.89	1675.18	1157.51	816.10
300.0	24356.51	22798.74	18908.14	13490.47	7742.82	3936.64	1896.19	1183.29	836.44
330.0	24180.02	22698.98	18823.73	13030.04	7672.99	3725.61	1933.02	1189.51	838.44
360.0	22637.59	22392.03	19882.71	14894.77	9231.53	5003.29	2499.34	1433.46	954.62
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	722.87	583.97	487.28	402.11	343.78	299.74	264.05	233.36	206.65
30.0	760.47	613.13	495.72	415.15	352.00	307.56	269.27	237.96	210.41
60.0	770.83	613.82	507.47	414.92	353.91	307.49	270.35	236.66	209.72
90.0	781.96	616.97	504.93	416.69	354.91	306.57	267.89	235.74	208.42
120.0	716.50	574.15	475.62	392.28	330.28	288.15	252.24	221.93	196.76
150.0	705.22	571.70	466.56	390.59	328.97	284.39	249.09	219.16	195.45
180.0	625.87	506.47	417.38	356.22	311.48	279.63	244.72	215.56	187.62
210.0	706.83	573.23	474.47	392.82	337.03	293.60	258.45	228.06	201.21
240.0	690.64	561.72	461.19	389.06	331.97	292.22	254.92	224.61	198.67
270.0	642.98	528.34	435.10	363.74	316.47	275.56	240.50	213.87	189.00
300.0	654.57	533.33	438.94	388.29	313.78	273.11	238.42	212.26	188.24
330.0	657.18	538.08	440.86	364.96	314.16	273.26	240.65	213.18	189.00
360.0	722.87	583.97	487.28	402.11	343.78	299.74	264.05	233.36	206.65
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	184.17	164.99	149.64	134.29	123.01	113.88	106.90	99.61	92.47
30.0	186.86	166.21	149.33	134.98	121.78	111.73	103.29	95.00	87.56
60.0	187.32	166.75	149.72	134.60	121.78	111.04	102.83	94.54	87.25
90.0	185.09	165.14	149.25	133.83	120.86	109.73	101.14	93.85	86.48
120.0	176.19	157.08	142.04	128.00	115.49	105.36	97.76	90.17	83.26
150.0	173.96	156.08	139.28	124.85	111.42	99.14	90.32	81.27	73.13
180.0	164.30	140.12	120.55	110.43	102.75	96.23	89.86	85.03	81.11
210.0	179.57	160.15	143.27	128.69	117.33	107.59	99.38	91.85	84.87
240.0	176.57	157.47	140.97	126.85	115.11	106.20	97.46	90.09	83.41
270.0	167.83	151.25	135.75	121.78	110.96	103.14	95.62	88.40	81.96
300.0	167.90	150.25	135.37	121.17	110.58	101.83	94.39	87.40	81.11
330.0	168.21	150.64	136.13	122.40	111.58	102.52	95.23	87.71	81.50
360.0	184.17	164.99	149.64	134.29	123.01	113.88	106.90	99.61	92.47
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	86.79	81.73	76.81	71.83	67.53	63.16	58.70	54.56	50.03
30.0	81.96	77.12	72.21	67.76	63.46	59.63	55.40	50.95	46.73
60.0	81.42	76.51	71.90	67.38	63.46	59.39	55.17	50.88	46.50
90.0	80.73	76.28	72.06	67.61	63.31	58.86	54.71	50.34	45.89
120.0	77.97	73.44	69.06	64.77	60.93	57.02	53.03	47.73	40.06
150.0	68.53	66.45	62.46	57.78	51.41	48.81	47.81	41.21	37.45
180.0	74.21	65.61	60.78	58.09	56.10	55.86	53.41	49.04	44.35
210.0	79.73	74.90	70.14	65.76	61.77	57.48	53.26	49.19	44.66
240.0	77.97	73.51	69.14	64.77	60.55	56.71	52.34	48.34	43.89
270.0	77.04	72.98	68.07	63.62	59.32	55.17	50.88	46.58	41.98
300.0	75.89	71.52	67.45	63.00	59.09	55.25	51.03	46.96	42.90
330.0	76.43	72.21	67.84	63.39	59.63	55.63	51.49	47.42	43.13
360.0	86.79	81.73	76.81	71.83	67.53	63.16	58.70	54.56	50.03

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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	44.89	38.75	32.84	27.32	22.41	17.19	12.51	8.29	5.45
30.0	41.98	37.52	31.69	25.25	19.57	14.04	8.75	3.07	0.31
60.0	42.13	37.52	32.31	25.55	19.57	14.20	8.67	3.38	0.31
90.0	41.44	35.76	29.54	23.87	18.26	12.74	7.67	3.30	0.31
120.0	32.15	27.70	21.79	16.81	16.11	13.66	8.44	3.07	0.31
150.0	38.29	35.76	30.16	24.17	18.57	13.28	7.83	2.76	0.31
180.0	38.91	32.38	26.78	21.41	16.04	11.43	6.37	2.07	1.38
210.0	40.13	34.99	28.55	22.48	17.04	11.74	5.83	1.46	0.23
240.0	39.29	34.84	28.62	22.25	16.81	11.28	5.76	1.30	0.23
270.0	36.45	30.16	24.40	19.41	14.35	10.05	4.53	0.46	0.23
300.0	38.37	33.76	27.63	21.87	16.58	11.43	5.60	1.61	0.31
330.0	39.06	34.53	28.70	22.41	17.11	11.59	6.60	2.15	0.38
360.0	44.89	38.75	32.84	27.32	22.41	17.19	12.51	8.29	5.45
C/γ(°)	90.0								
0.0	5.29								
30.0	0.15								
60.0	0.23								
90.0	0.08								
120.0	0.08								
150.0	0.15								
180.0	0.77								
210.0	0.08								
240.0	0.15								
270.0	0.08								
300.0	0.23								
330.0	0.38								
360.0	5.29								