

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1223A1-9-36DC-RC-Y(45-CL-9RGBWN-AJ, CT)

报告编号:

电压(V): 36.1000

测试编号: 20210302014

电流(A): 0.3830

光源规格型号: CL

功率(W): 13.8000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 9

镇流器型号:

发光面长度(mm): 110

发光面宽度(mm): 110

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 486.12

灯具效能(lm/w): 35.23

中心光强(cd): 467.025

最大光强(cd): 525.422

最大光强角度: $C=270.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=49.7

[C90/270]Total=49.1

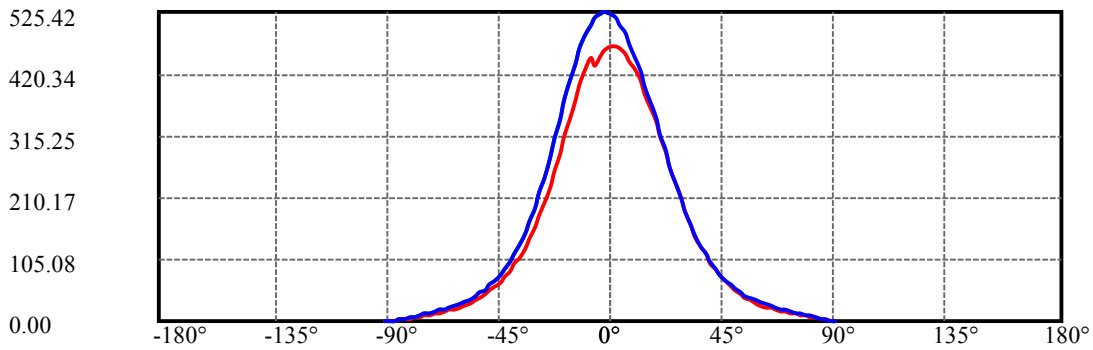
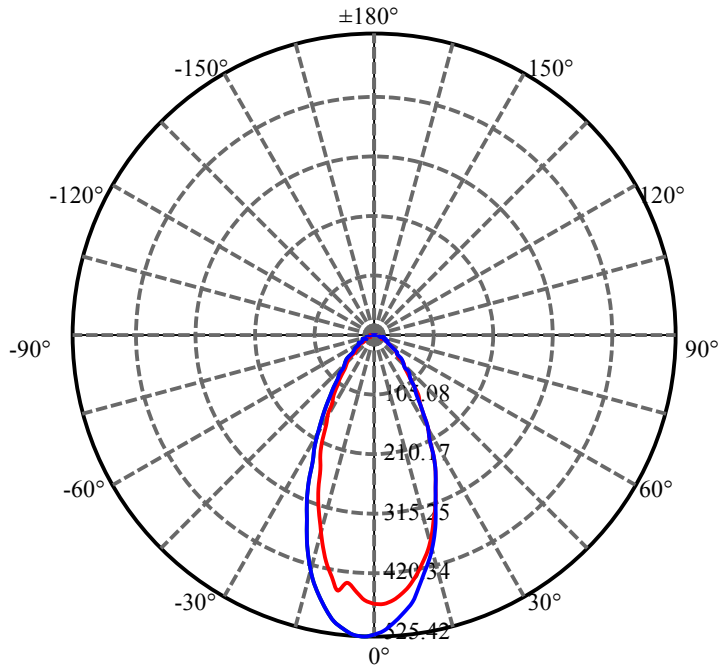
光束扩散角(10%Imax): [C0/180]Total=101.3

[C90/270]Total=101.3

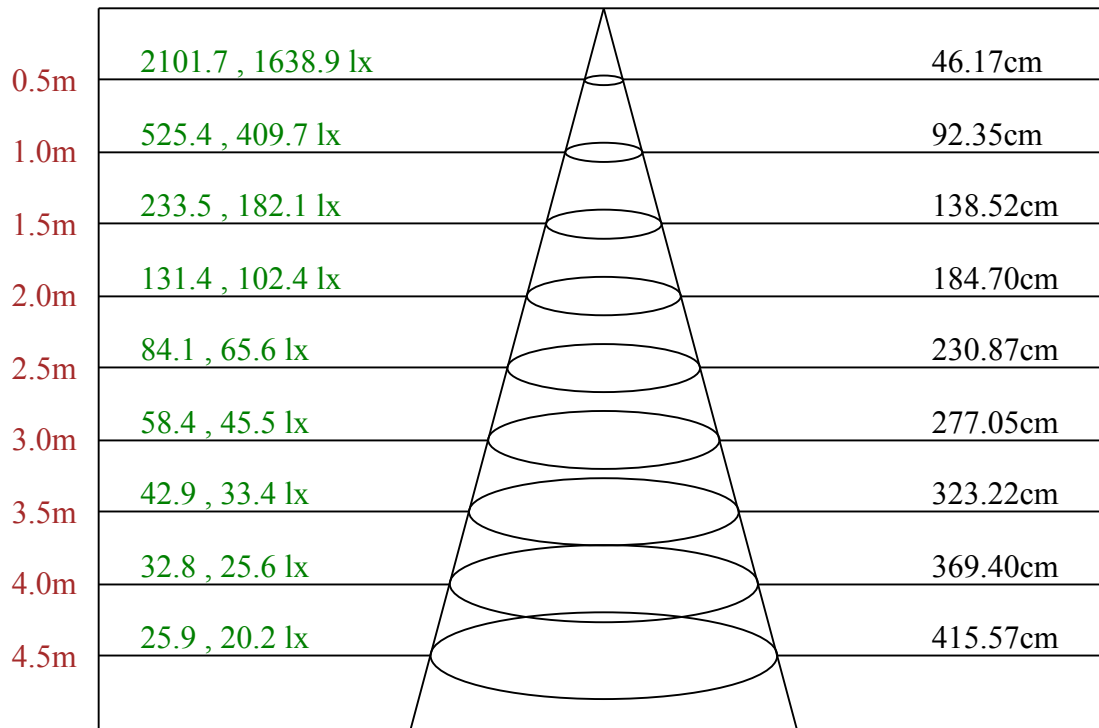
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/2
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

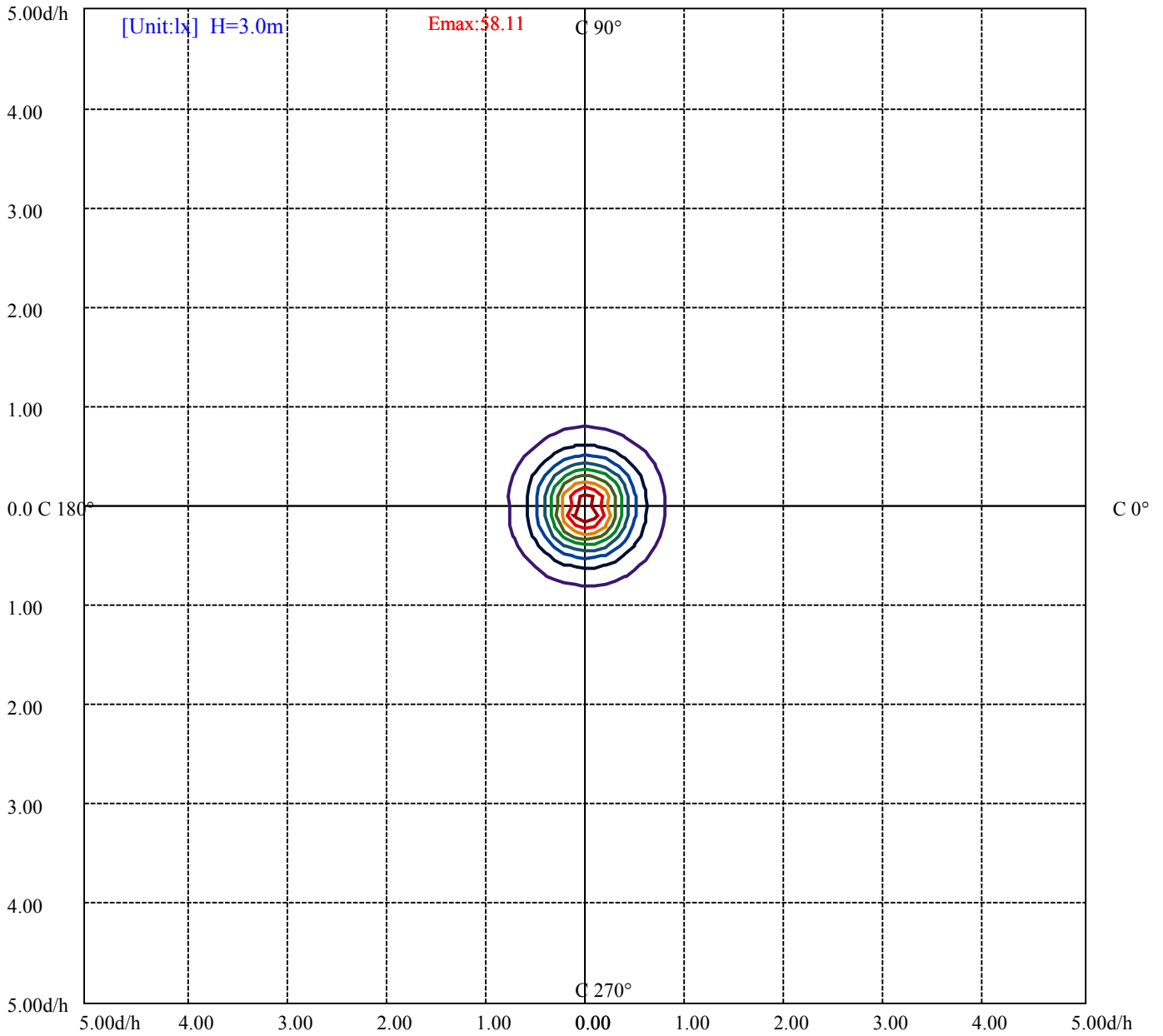


C270(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C270面光束角49.57

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平面等照度曲线



- (10%Emax) 5.811167
- (20%Emax) 11.62233
- (30%Emax) 17.43344
- (40%Emax) 23.24467
- (50%Emax) 29.05578
- (60%Emax) 34.867
- (70%Emax) 40.67811
- (80%Emax) 46.48933
- (90%Emax) 52.30045

测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/2
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

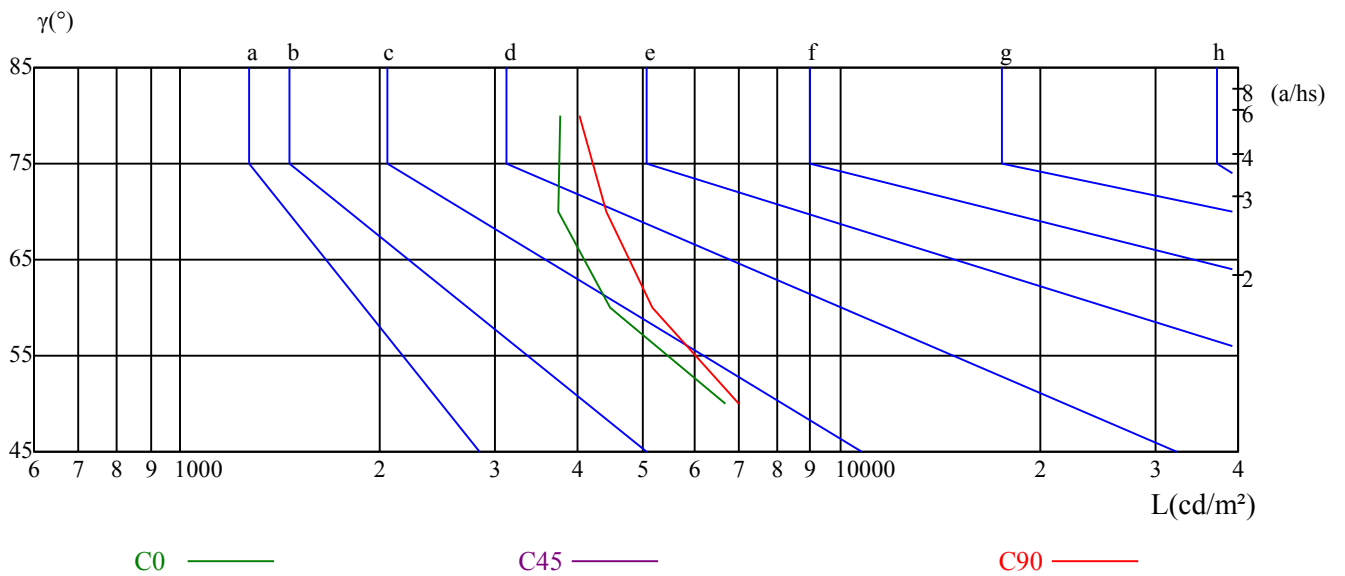
γ	45	50	55	60	65	70	75	80	85
C0	0	6699	0	4465	0	3727	0	3762	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7005	0	5200	0	4413	0	4017	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
267736	224555	0	156075	121292	0	92121	53046	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	18.17	19.43	18.54	19.74	20.06	17.74	19.00	18.11	19.31	19.63
	3H	19.54	20.66	19.92	20.99	21.35	18.94	20.06	19.33	20.39	20.76
	4H	20.06	21.10	20.46	21.45	21.84	19.40	20.44	19.81	20.80	21.18
	6H	20.43	21.39	20.85	21.76	22.16	19.76	20.72	20.18	21.09	21.49
	8H	20.54	21.44	20.97	21.83	22.24	19.88	20.79	20.31	21.18	21.58
	12H	20.64	21.50	21.07	21.89	22.32	20.02	20.89	20.46	21.27	21.70
4H	2H	18.59	19.63	18.99	19.98	20.36	18.23	19.27	18.63	19.62	20.01
	3H	20.18	21.03	20.59	21.44	21.84	19.72	20.58	20.14	20.98	21.39
	4H	20.82	21.59	21.26	22.01	22.45	20.32	21.09	20.76	21.51	21.95
	6H	21.23	21.89	21.69	22.34	22.81	20.72	21.38	21.18	21.82	22.29
	8H	21.37	21.99	21.84	22.44	22.91	20.88	21.49	21.35	21.94	22.41
	12H	21.49	22.03	21.98	22.52	22.99	21.03	21.57	21.52	22.06	22.53
8H	4H	21.03	21.65	21.50	22.09	22.56	20.59	21.20	21.06	21.65	22.12
	6H	21.56	22.07	22.07	22.56	23.04	21.13	21.63	21.63	22.13	22.61
	8H	21.77	22.22	22.30	22.74	23.23	21.36	21.81	21.88	22.32	22.82
	12H	22.40	22.80	22.92	23.29	23.86	22.02	22.41	22.54	22.91	23.48
12H	4H	21.03	21.57	21.52	22.06	22.53	20.60	21.14	21.08	21.62	22.10
	6H	22.15	22.05	22.13	22.51	23.06	21.72	21.62	21.70	22.09	22.64
	8H	21.85	22.24	22.36	22.74	23.31	21.45	21.84	21.97	22.34	22.91
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.8					0.6/-0.9					
S = 1.5H	1.1/-1.2					1.1/-1.4					
S = 2.0H	2.2/-1.3					2.2/-1.5					
标准表格	BK3					BK3					
更正系数	2.0					1.9					

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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	467.03	467.87	463.11	454.67	441.62	426.35	407.71	386.68	362.59
30.0	523.35	521.05	513.99	502.25	487.36	467.95	446.61	421.90	395.05
60.0	522.66	515.98	505.78	491.35	474.16	452.91	429.65	404.18	378.39
90.0	522.28	514.99	503.01	488.20	469.40	447.84	423.82	399.65	372.56
120.0	520.89	512.15	499.87	483.52	463.96	441.24	417.99	391.75	363.97
150.0	520.28	514.07	502.40	487.67	468.94	446.84	423.36	396.96	370.03
180.0	467.03	460.81	449.22	434.03	448.38	427.27	402.03	373.71	343.09
210.0	523.35	520.82	512.91	499.95	483.14	461.27	437.63	407.48	378.47
240.0	522.66	524.04	520.20	511.76	497.64	478.23	456.05	427.66	398.27
270.0	522.28	525.42	523.58	516.06	504.09	486.06	463.57	437.94	407.63
300.0	520.89	524.81	524.12	518.21	507.70	490.05	470.09	444.77	416.76
330.0	520.28	522.20	519.21	511.23	497.95	480.91	459.27	433.49	404.94
360.0	467.03	467.87	463.11	454.67	441.62	426.35	407.71	386.68	362.59
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	339.26	313.01	286.00	260.91	234.74	208.50	185.24	164.68	145.11
30.0	368.11	337.49	309.25	279.71	252.77	225.38	199.75	177.49	156.08
60.0	350.61	322.07	294.44	266.36	240.34	212.95	190.00	167.59	147.18
90.0	344.48	317.46	288.92	260.83	234.13	209.88	186.01	164.37	145.65
120.0	337.03	308.10	279.02	251.32	225.84	200.44	178.49	157.16	138.13
150.0	340.56	311.17	281.63	254.31	227.14	201.51	179.11	157.70	138.51
180.0	313.78	283.39	254.39	228.60	203.28	179.80	158.62	140.12	123.16
210.0	347.16	314.47	284.54	254.39	226.76	200.05	176.27	154.17	135.98
240.0	366.65	335.50	301.73	270.27	241.49	212.64	187.39	164.53	144.65
270.0	375.78	343.48	310.02	279.40	246.10	219.09	193.23	170.43	149.56
300.0	385.84	353.15	320.92	288.61	257.38	227.22	201.90	177.57	155.16
330.0	376.24	343.94	313.40	282.32	251.32	224.30	196.91	173.81	152.63
360.0	339.26	313.01	286.00	260.91	234.74	208.50	185.24	164.68	145.11
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	128.84	113.34	99.30	87.48	76.81	67.53	59.16	52.10	45.51
30.0	137.05	120.25	106.28	93.31	82.72	73.05	64.54	57.17	51.26
60.0	130.30	114.42	101.14	89.09	78.50	69.52	61.93	55.02	48.96
90.0	128.00	113.19	99.68	87.71	77.43	69.06	61.24	54.48	48.88
120.0	121.48	107.36	94.39	83.26	74.05	65.46	58.09	51.80	46.35
150.0	121.55	107.43	94.46	83.72	73.82	65.30	58.17	51.72	46.04
180.0	109.12	96.38	85.10	75.20	66.84	59.01	51.41	45.81	40.06
210.0	119.48	104.36	92.32	81.34	71.44	63.16	56.33	49.73	44.51
240.0	127.08	112.11	97.99	86.25	75.97	67.07	59.32	52.41	46.43
270.0	131.14	115.49	101.29	89.09	78.12	69.37	61.16	53.79	47.81
300.0	137.21	120.32	105.21	92.39	81.80	71.60	63.62	56.10	49.42
330.0	134.90	117.79	103.37	91.39	80.11	70.68	62.31	55.25	48.81
360.0	128.84	113.34	99.30	87.48	76.81	67.53	59.16	52.10	45.51
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	39.90	34.92	30.54	27.01	23.71	21.41	19.34	17.50	15.42
30.0	45.66	40.75	36.68	32.84	29.47	26.63	23.87	21.33	19.03
60.0	44.05	39.29	35.30	31.69	28.62	25.78	23.33	20.95	18.72
90.0	43.66	38.98	34.92	31.46	28.24	25.48	22.94	20.49	18.26
120.0	41.44	37.06	33.46	30.08	27.17	24.33	21.87	19.57	17.50
150.0	40.98	36.76	33.00	29.54	26.70	23.87	21.41	19.03	16.88
180.0	35.07	30.46	26.93	23.48	20.64	18.19	15.96	14.27	12.20
210.0	39.67	35.22	31.54	27.93	24.94	22.18	19.64	17.11	14.89
240.0	41.28	36.60	32.46	29.01	25.71	22.87	20.41	17.96	15.58
270.0	42.28	37.45	33.00	29.47	26.09	23.33	20.57	17.96	15.81
300.0	43.97	38.98	34.53	30.62	27.40	24.25	21.56	19.26	16.81
330.0	43.74	38.68	34.53	30.70	27.47	24.56	21.79	19.26	16.88
360.0	39.90	34.92	30.54	27.01	23.71	21.41	19.34	17.50	15.42

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光强数据表(cd)

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C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	13.51	11.82	10.21	9.06	7.90	6.45	4.83	2.92	1.46
30.0	16.96	14.96	13.12	11.36	9.36	7.44	5.29	3.38	1.53
60.0	16.58	14.50	12.51	10.51	8.67	6.91	5.14	3.15	1.07
90.0	16.11	14.12	12.20	10.44	8.44	6.68	4.60	2.61	1.00
120.0	15.35	13.12	11.13	9.21	7.52	5.83	3.76	1.84	0.46
150.0	14.81	13.05	11.13	9.21	7.29	5.22	3.30	1.53	0.31
180.0	10.51	8.98	7.52	6.06	4.76	3.61	2.23	0.77	0.31
210.0	12.97	10.97	9.13	7.06	5.14	2.99	1.30	0.31	0.00
240.0	13.20	11.13	9.13	7.52	5.68	3.61	1.38	0.31	0.00
270.0	13.74	11.66	9.59	7.75	5.53	3.68	1.84	0.31	0.00
300.0	14.50	12.35	10.28	8.44	6.68	4.76	2.69	0.77	0.23
330.0	14.66	12.82	10.90	8.90	6.98	5.14	3.15	1.30	0.38
360.0	13.51	11.82	10.21	9.06	7.90	6.45	4.83	2.92	1.46
C/γ(°)	90.0								
0.0	1.07								
30.0	0.31								
60.0	0.31								
90.0	0.23								
120.0	0.08								
150.0	0.00								
180.0	0.15								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	1.07								