

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1221A1-3-24DC-RC-Y(25-CL-3RGBWN-AJ, P4)

报告编号:

电压(V): 24.9000

测试编号: 20210303009

电流(A): 0.2350

光源规格型号: CL

功率(W): 5.8000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 3

镇流器型号:

发光面长度(mm): 52

发光面宽度(mm): 52

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 271.81

灯具效能(lm/w): 46.86

中心光强(cd): 645.056

最大光强(cd): 798.455

最大光强角度: $C=30.0$ $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=26.9

[C90/270]Total=26.2

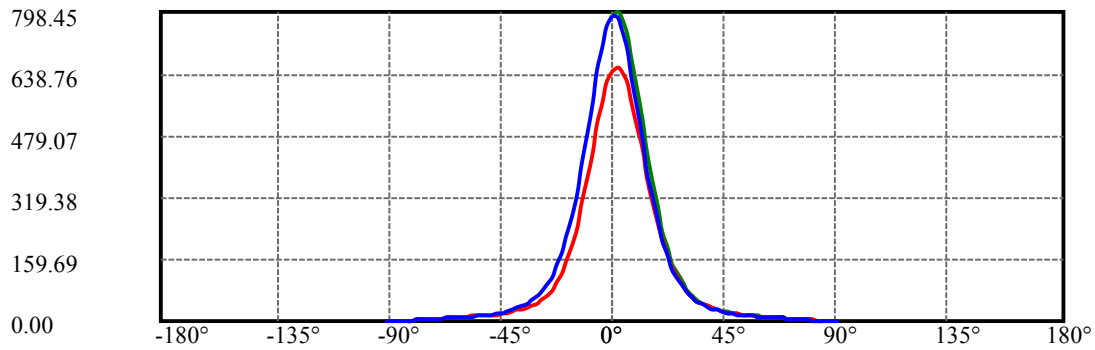
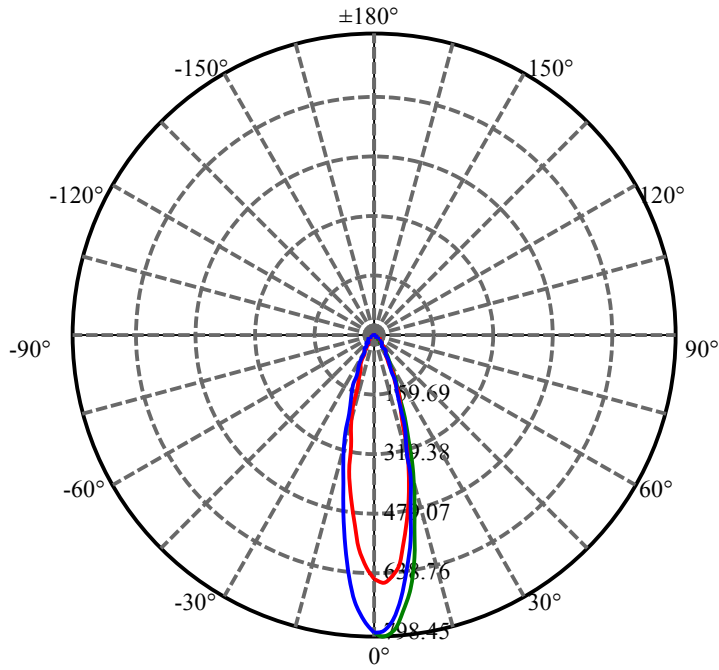
光束扩散角(10%Imax): [C0/180]Total=57.9

[C90/270]Total=57.0

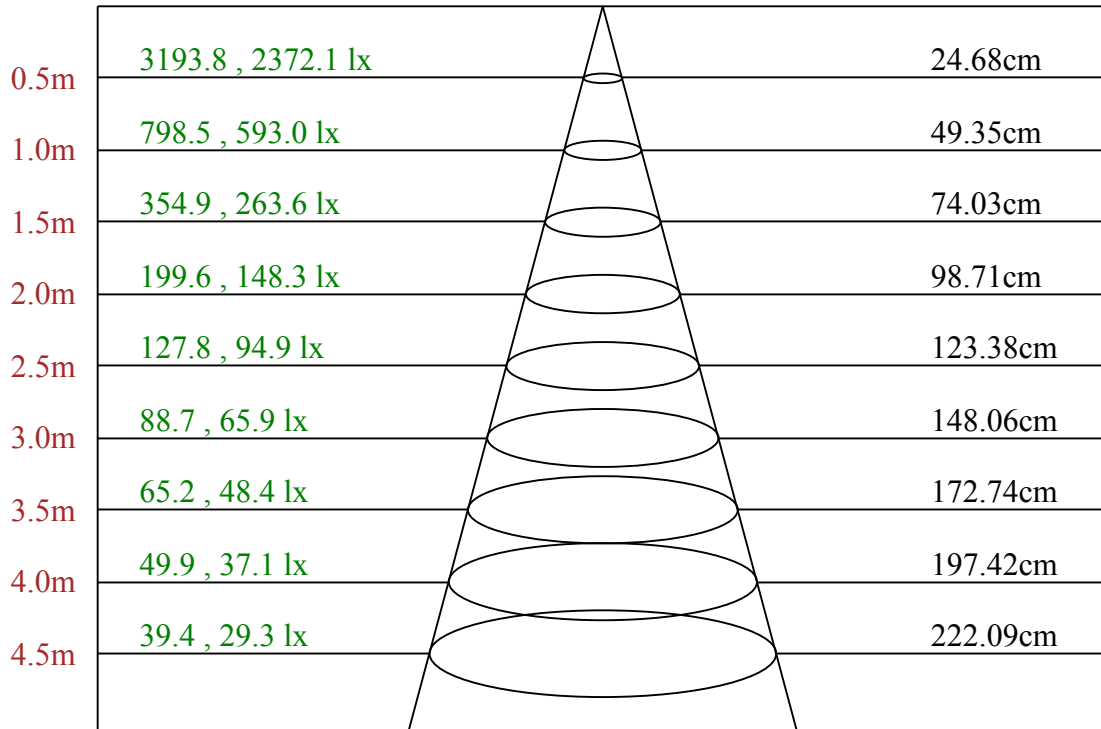
测试设备: GMS1800
环境温度(°C): 25.0

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

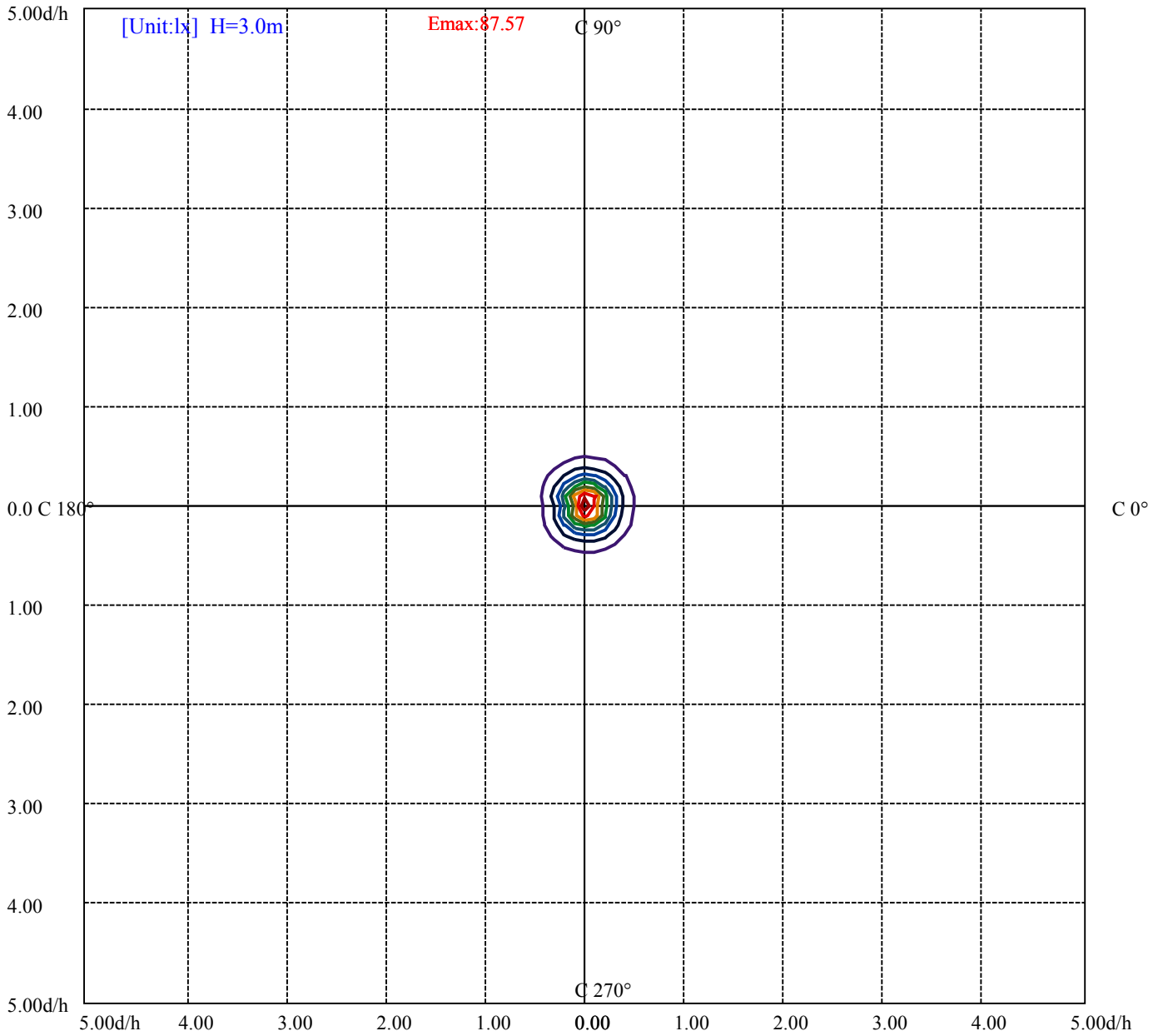


C30(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C30面光束角27.70

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平面等照度曲线



- (10%Emax) 8.756622
- (20%Emax) 17.51322
- (30%Emax) 26.26989
- (40%Emax) 35.02644
- (50%Emax) 43.78311
- (60%Emax) 52.53978
- (70%Emax) 61.29633
- (80%Emax) 70.053
- (90%Emax) 78.80956

测试设备: GMS1800
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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

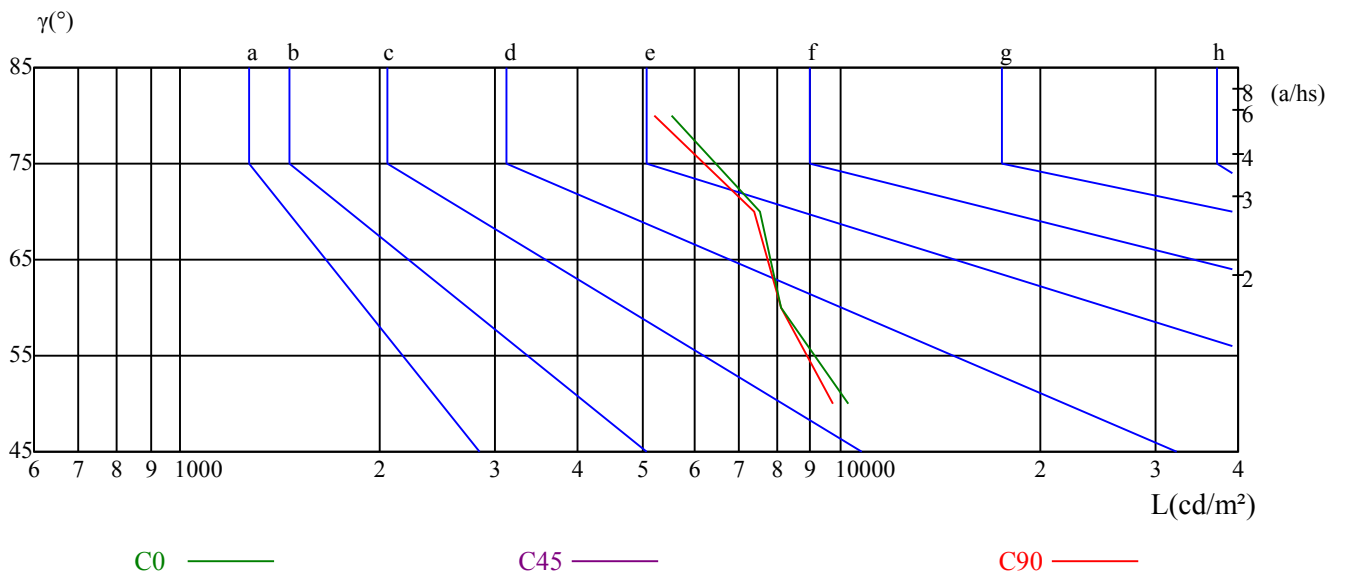
γ	45	50	55	60	65	70	75	80	85
C0	0	10243	0	8116	0	7551	0	5557	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9713	0	8116	0	7385	0	5230	0

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	19.92	21.02	20.28	21.33	21.65	20.05	21.15	20.41	21.46	21.78
	3H	21.57	22.55	21.95	22.88	23.25	21.71	22.69	22.09	23.02	23.39
	4H	22.13	23.04	22.54	23.39	23.78	22.29	23.20	22.69	23.55	23.94
	6H	22.45	23.28	22.87	23.65	24.05	22.60	23.44	23.02	23.81	24.21
	8H	22.50	23.29	22.93	23.68	24.09	22.65	23.44	23.09	23.83	24.24
	12H	22.52	23.27	22.96	23.66	24.09	22.67	23.42	23.10	23.80	24.23
4H	2H	20.42	21.33	20.82	21.68	22.07	20.52	21.43	20.93	21.78	22.17
	3H	22.26	23.01	22.68	23.41	23.82	22.38	23.13	22.79	23.53	23.94
	4H	22.93	23.59	23.36	24.02	24.46	23.06	23.72	23.49	24.14	24.59
	6H	23.27	23.84	23.74	24.29	24.76	23.39	23.96	23.86	24.41	24.88
	8H	23.35	23.88	23.82	24.33	24.80	23.45	23.99	23.93	24.44	24.91
	12H	23.37	23.83	23.86	24.32	24.79	23.47	23.93	23.96	24.42	24.90
8H	4H	23.11	23.64	23.59	24.09	24.57	23.22	23.76	23.70	24.21	24.68
	6H	23.56	23.98	24.06	24.48	24.97	23.63	24.05	24.13	24.55	25.04
	8H	23.67	24.05	24.20	24.57	25.07	23.72	24.10	24.25	24.62	25.12
	12H	24.26	24.58	24.78	25.08	25.66	24.31	24.64	24.83	25.13	25.71
12H	4H	23.09	23.55	23.58	24.04	24.52	23.21	23.67	23.70	24.16	24.63
	6H	23.93	23.93	24.08	24.40	24.95	24.00	24.00	24.16	24.47	25.02
	8H	23.70	24.02	24.22	24.52	25.10	23.75	24.08	24.27	24.57	25.15
对应照射距离，改变观察者位置S											
S = 1.0H	0.6/-0.7					0.6/-0.7					
S = 1.5H	1.2/-1.0					1.1/-1.0					
S = 2.0H	2.4/-1.1					2.4/-1.1					
标准表格	BK3					BK3					
更正系数	1.6					1.8					

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光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	645.06	656.18	644.06	613.75	564.25	502.86	440.86	371.33	305.42
30.0	787.17	798.45	781.19	737.29	677.21	601.24	517.83	439.63	360.90
60.0	789.02	791.63	763.08	710.82	644.60	563.64	485.44	400.80	329.51
90.0	786.64	785.41	754.71	699.54	628.17	550.44	467.10	388.98	320.46
120.0	787.56	774.13	734.92	674.45	599.24	516.14	438.48	361.66	295.98
150.0	789.71	771.90	728.78	665.16	588.88	505.85	427.04	351.53	286.92
180.0	645.06	614.90	565.63	506.93	437.40	368.34	302.65	244.26	194.45
210.0	787.17	753.49	695.40	624.64	540.39	455.28	380.54	304.57	246.79
240.0	789.02	757.78	705.60	634.54	556.42	470.79	395.81	323.30	259.30
270.0	786.64	758.78	707.37	643.52	563.79	481.22	402.18	332.27	268.97
300.0	787.56	771.98	733.69	674.98	603.69	522.43	447.07	371.26	301.58
330.0	789.71	782.57	751.49	699.46	630.48	551.51	474.24	394.97	323.60
360.0	645.06	656.18	644.06	613.75	564.25	502.86	440.86	371.33	305.42
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	249.40	214.02	170.28	138.66	111.88	90.32	74.05	61.70	51.18
30.0	291.99	234.59	189.47	151.25	122.70	98.91	80.42	66.61	54.71
60.0	266.20	216.02	172.97	139.20	113.42	91.70	75.13	61.85	52.03
90.0	258.30	209.80	166.83	136.29	109.96	88.79	73.28	60.47	50.80
120.0	238.12	190.54	152.55	124.08	100.45	81.50	67.53	55.79	46.58
150.0	229.75	183.71	146.57	118.94	96.15	78.27	64.84	53.79	45.43
180.0	156.01	124.24	99.68	81.65	66.84	55.63	46.27	39.60	33.99
210.0	197.91	159.61	128.23	103.67	84.95	69.68	57.86	48.27	41.28
240.0	208.65	167.36	135.21	109.43	89.63	72.82	60.39	50.34	42.59
270.0	219.85	176.73	142.81	115.49	92.85	76.58	63.08	52.72	44.35
300.0	247.33	199.44	161.38	128.92	105.28	84.87	70.21	57.94	47.96
330.0	265.05	211.95	171.28	137.36	109.73	88.63	73.05	59.70	49.65
360.0	249.40	214.02	170.28	138.66	111.88	90.32	74.05	61.70	51.18
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	43.51	37.60	32.38	28.55	24.63	22.10	19.88	17.80	16.11
30.0	46.35	39.14	33.76	29.08	25.32	22.33	19.88	17.73	16.19
60.0	43.89	37.37	32.23	27.93	24.56	21.64	19.26	17.34	15.81
90.0	42.90	36.60	31.46	27.40	23.87	20.95	18.72	16.88	15.42
120.0	39.29	33.69	28.85	24.94	21.95	19.26	17.34	15.50	14.04
150.0	38.45	32.77	28.16	24.40	21.56	19.11	17.19	15.50	14.12
180.0	29.77	27.40	24.79	22.02	18.34	15.73	14.96	14.43	13.51
210.0	35.38	30.54	26.63	23.33	20.80	18.49	16.81	15.35	14.12
240.0	36.37	31.16	27.09	23.71	20.87	18.57	16.81	15.27	13.97
270.0	37.75	32.46	28.09	24.40	21.49	19.11	17.27	15.58	14.20
300.0	40.90	34.69	29.62	25.63	22.56	19.88	17.65	15.96	14.43
330.0	42.05	35.45	30.23	26.17	22.87	20.18	18.03	16.11	14.58
360.0	43.51	37.60	32.38	28.55	24.63	22.10	19.88	17.80	16.11
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	14.27	13.05	11.97	10.97	10.13	9.36	8.59	7.83	6.98
30.0	14.73	13.51	12.51	11.51	10.59	9.67	8.98	8.06	7.29
60.0	14.43	13.28	12.43	11.36	10.44	9.52	8.75	7.75	6.83
90.0	13.97	12.89	11.82	10.97	10.13	9.29	8.52	7.67	6.83
120.0	12.89	11.82	10.90	10.05	9.21	8.44	7.75	6.98	6.22
150.0	13.05	11.97	11.05	10.13	9.29	8.36	7.52	6.83	6.06
180.0	12.97	12.51	11.74	10.90	10.05	9.13	8.13	7.29	6.22
210.0	13.05	12.05	11.13	10.28	9.44	8.59	7.75	6.98	6.06
240.0	12.82	11.82	10.90	10.05	9.29	8.44	7.75	7.06	6.14
270.0	12.97	11.97	11.13	10.21	9.36	8.59	7.75	6.98	6.06
300.0	13.12	11.97	11.05	10.21	9.29	8.44	7.67	6.75	5.99
330.0	13.35	12.20	11.20	10.21	9.36	8.52	7.83	7.06	6.22
360.0	14.27	13.05	11.97	10.97	10.13	9.36	8.59	7.83	6.98

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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	6.29	5.45	4.53	3.84	2.61	1.53	0.54	0.15	0.08
30.0	6.45	5.53	4.60	3.68	2.76	1.92	1.00	0.31	0.15
60.0	5.99	5.06	4.14	3.30	2.53	1.76	1.00	0.31	0.15
90.0	5.91	4.99	4.22	3.30	2.46	1.76	0.84	0.23	0.08
120.0	5.45	4.68	3.99	3.15	2.38	1.38	0.54	0.15	0.08
150.0	5.14	4.37	3.53	2.61	1.15	0.38	0.31	0.15	0.08
180.0	5.22	4.37	3.53	2.69	1.84	1.15	0.61	0.23	0.08
210.0	5.22	4.22	3.30	2.46	1.61	0.92	0.31	0.15	0.00
240.0	5.45	4.60	3.84	2.99	2.07	1.00	0.31	0.08	0.00
270.0	5.22	4.30	3.45	2.69	1.84	1.15	0.46	0.15	0.08
300.0	5.14	4.22	3.45	2.69	2.00	1.38	0.69	0.15	0.08
330.0	5.37	4.53	3.76	2.84	2.15	1.30	0.61	0.15	0.08
360.0	6.29	5.45	4.53	3.84	2.61	1.53	0.54	0.15	0.08

C/γ(°)	90.0
0.0	0.00
30.0	0.08
60.0	0.00
90.0	0.00
120.0	0.00
150.0	0.00
180.0	0.00
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.00
360.0	0.00