

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F1221A1-3-24DC-RC-Y(45-CL-3RGBWN-AJ, P4)

报告编号:

电压(V): 24.7000

测试编号: 20210304002

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

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## 光度结果

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灯具光通量(lm): 227.49

灯具效能(lm/w): 39.22

中心光强(cd): 197.599

最大光强(cd): 269.579

最大光强角度:  $C=30.0$   $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=51.8

[C90/270]Total=48.7

光束扩散角(10%Imax): [C0/180]Total=101.2

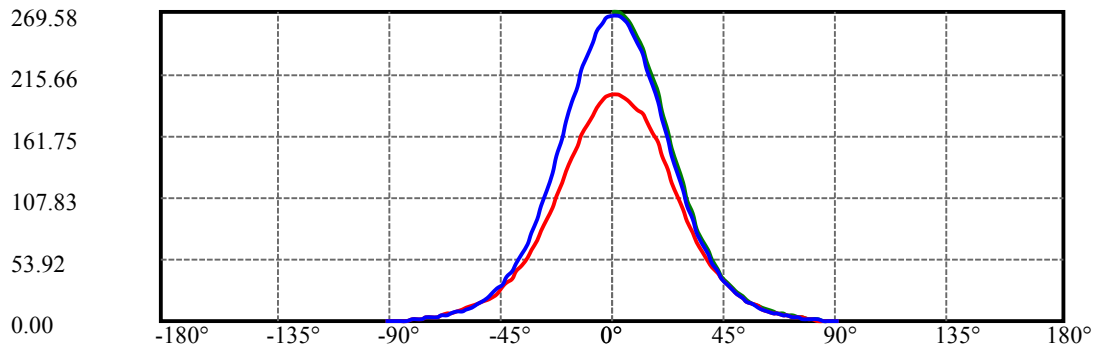
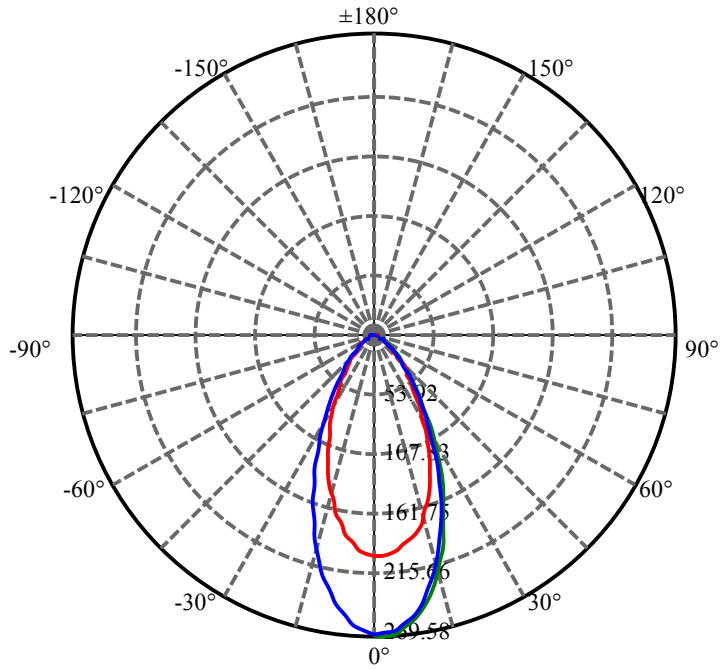
[C90/270]Total=94.9

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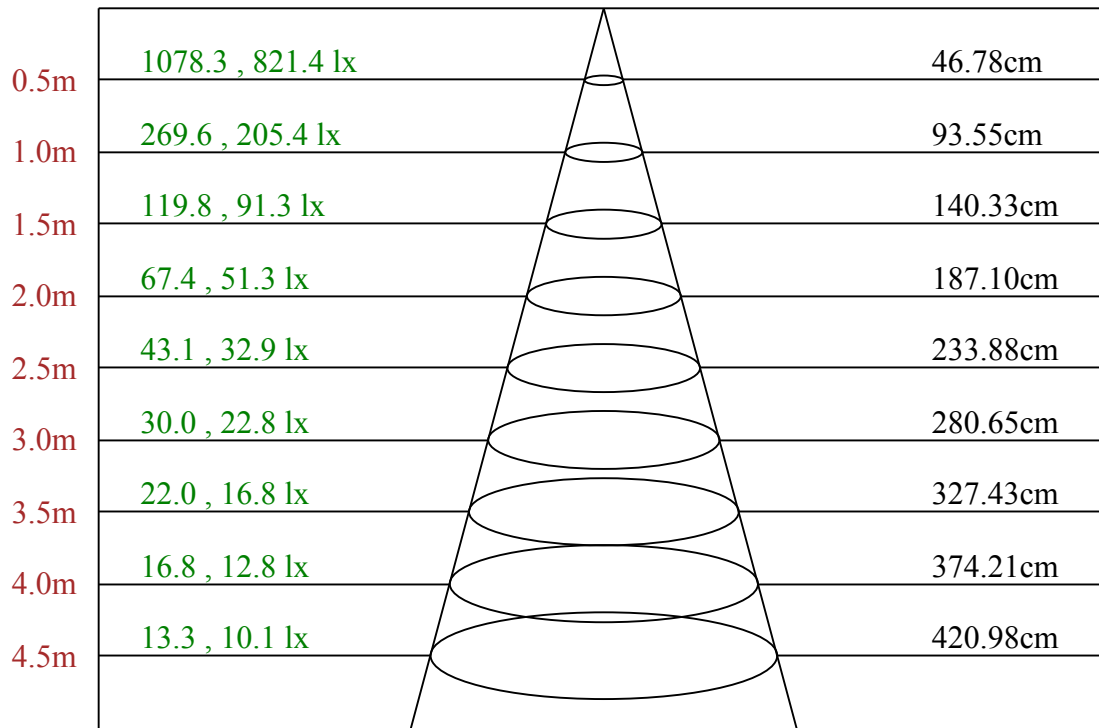
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/4  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

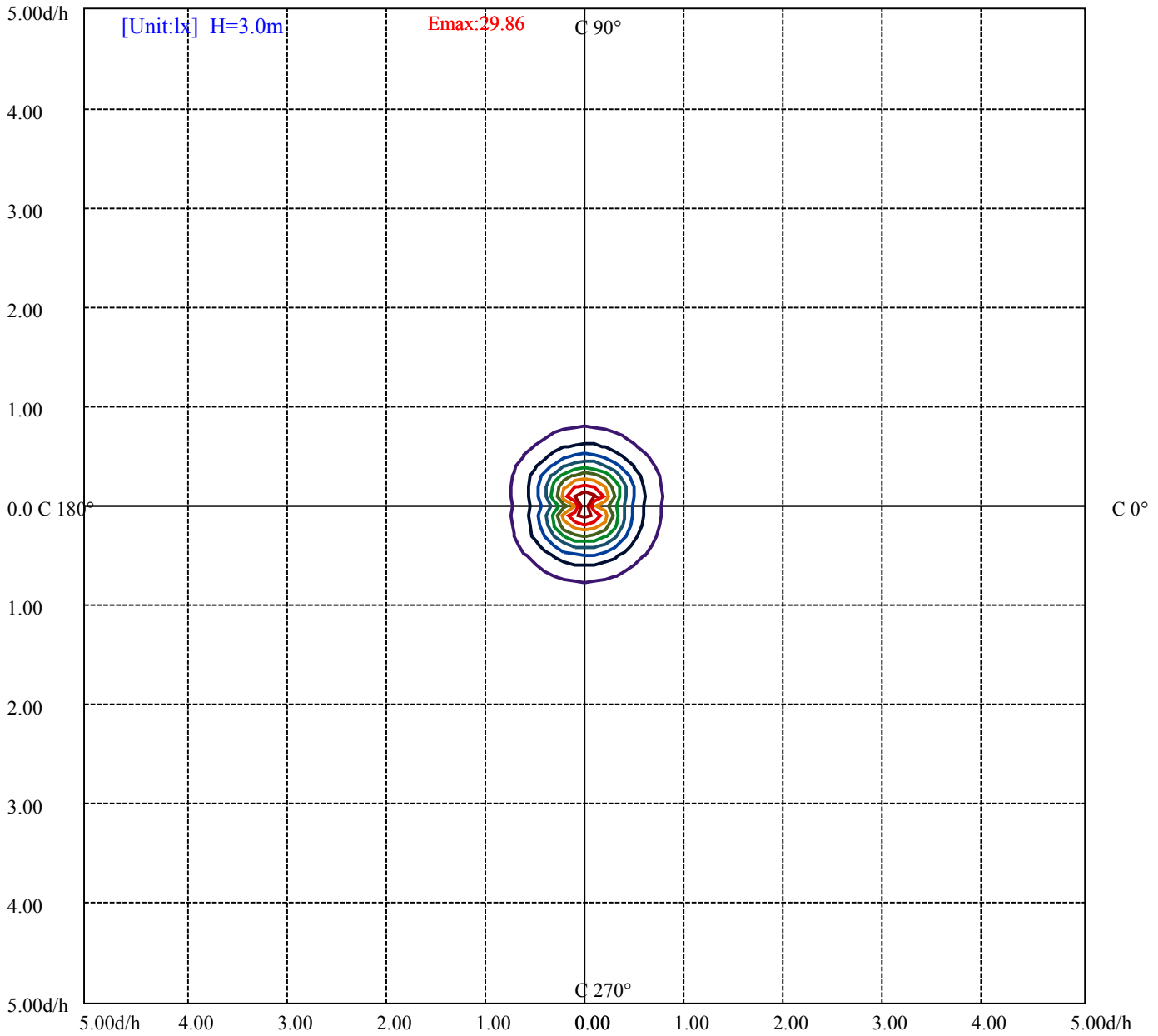


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角50.11

ROLED 投光灯  
平面等照度曲线



(10%Emax) 2.985945	——
(20%Emax) 5.971889	——
(30%Emax) 8.957833	——
(40%Emax) 11.94378	——
(50%Emax) 14.92967	——
(60%Emax) 17.91567	——
(70%Emax) 20.90156	——
(80%Emax) 23.88756	——
(90%Emax) 26.87344	——

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# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

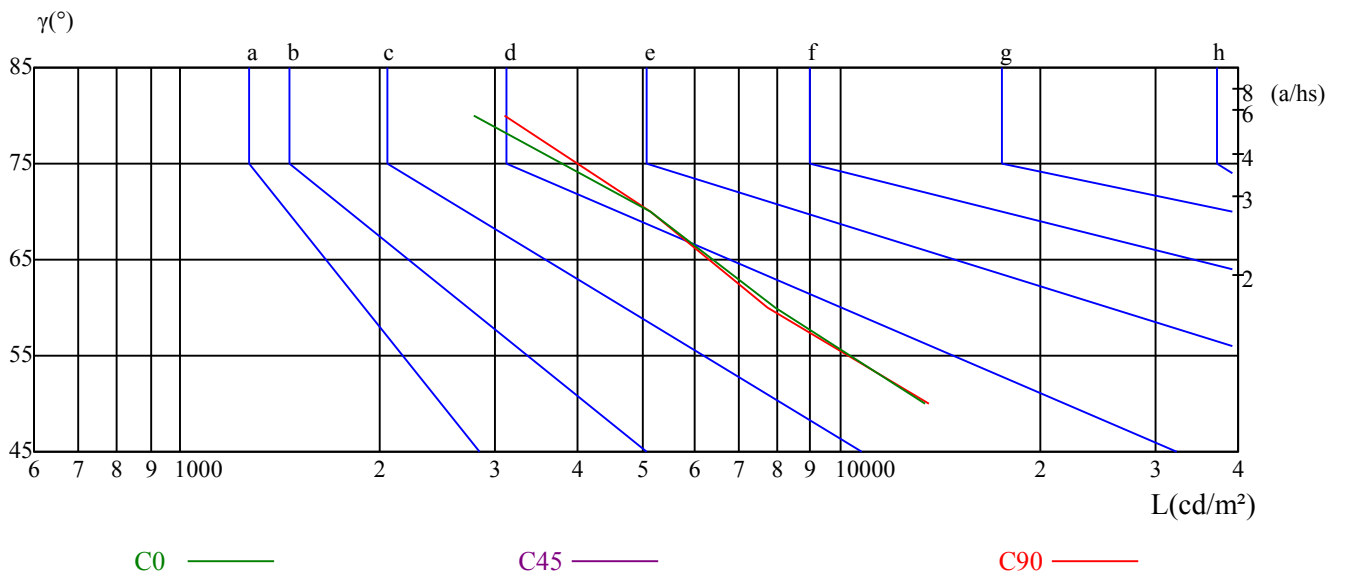
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	13466	0	7946	0	5144	0	2778	0
C45	0	0	0	0	0	0	0	0	0
C90	0	13642	0	7776	0	5144	0	3105	0

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	21.49	22.67	21.85	22.98	23.30	21.59	22.77	21.95	23.08	23.40
	3H	22.28	23.33	22.67	23.66	24.03	22.38	23.42	22.76	23.75	24.12
	4H	22.50	23.47	22.91	23.83	24.21	22.61	23.58	23.01	23.93	24.31
	6H	22.59	23.48	23.01	23.85	24.25	22.70	23.59	23.11	23.96	24.35
	8H	22.59	23.43	23.02	23.82	24.23	22.69	23.53	23.12	23.92	24.33
	12H	22.58	23.38	23.01	23.76	24.19	22.68	23.48	23.11	23.87	24.30
4H	2H	21.72	22.69	22.12	23.04	23.43	21.80	22.77	22.21	23.13	23.51
	3H	22.67	23.46	23.09	23.87	24.28	22.77	23.56	23.18	23.97	24.37
	4H	22.97	23.67	23.40	24.09	24.54	23.07	23.78	23.51	24.20	24.64
	6H	23.09	23.69	23.55	24.14	24.61	23.19	23.80	23.66	24.25	24.72
	8H	23.09	23.65	23.56	24.10	24.58	23.20	23.76	23.67	24.21	24.68
	12H	23.08	23.58	23.57	24.06	24.54	23.19	23.68	23.68	24.17	24.64
8H	4H	23.01	23.57	23.48	24.02	24.50	23.11	23.67	23.58	24.12	24.59
	6H	23.17	23.63	23.68	24.13	24.61	23.27	23.73	23.78	24.23	24.71
	8H	23.20	23.61	23.73	24.13	24.62	23.30	23.70	23.82	24.22	24.72
	12H	23.81	24.16	24.32	24.66	25.23	23.90	24.26	24.42	24.75	25.33
12H	4H	22.97	23.47	23.46	23.95	24.43	23.07	23.56	23.56	24.05	24.53
	6H	23.59	23.55	23.68	24.02	24.57	23.69	23.65	23.78	24.12	24.67
	8H	23.20	23.55	23.72	24.05	24.62	23.29	23.65	23.81	24.14	24.72
对应照射距离，改变观察者位置S											
S = 1.0H	1.1/-1.6					1.0/-1.6					
S = 1.5H	2.4/-2.7					2.0/-2.6					
S = 2.0H	4.6/-3.2					4.2/-3.1					
标准表格	BK2					BK2					
更正系数	2.3					2.4					

# ROLED 投光灯

## 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	197.60	197.52	195.99	193.15	189.39	184.09	181.10	174.04	164.91
30.0	269.27	269.58	267.74	263.21	257.15	248.48	238.04	226.38	212.79
60.0	268.20	268.20	265.67	260.68	254.00	244.64	233.44	221.46	207.19
90.0	267.05	267.05	264.82	259.83	253.00	243.41	232.05	220.01	205.73
120.0	266.43	265.97	263.06	257.68	250.32	240.57	229.91	216.78	202.28
150.0	265.67	265.13	262.52	257.45	250.63	241.80	230.83	218.32	204.74
180.0	197.60	195.91	192.30	186.24	179.80	171.51	162.45	152.48	142.19
210.0	269.27	267.20	262.37	255.69	247.40	236.58	224.38	210.34	196.06
240.0	268.20	265.74	260.68	254.15	245.10	233.90	221.46	207.65	193.15
270.0	267.05	264.21	259.07	252.01	242.49	231.13	219.09	204.97	190.08
300.0	266.43	264.44	259.99	253.62	245.41	234.82	222.92	210.26	194.76
330.0	265.67	264.05	260.37	254.54	246.48	237.20	225.15	212.72	198.44
360.0	197.60	197.52	195.99	193.15	189.39	184.09	181.10	174.04	164.91
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	155.47	144.57	132.14	120.40	109.04	97.38	86.79	77.27	67.91
30.0	198.52	182.94	166.60	151.10	135.29	120.02	105.59	93.08	80.96
60.0	192.23	176.50	161.07	145.19	130.38	115.26	101.45	88.56	76.97
90.0	190.69	175.12	159.77	143.88	128.38	114.49	100.60	88.02	76.66
120.0	187.16	171.97	155.62	139.89	125.08	110.43	97.53	84.56	74.05
150.0	189.39	174.27	157.16	141.81	126.31	112.27	98.45	86.02	75.36
180.0	131.30	119.94	109.35	98.68	88.63	78.96	70.75	62.69	55.63
210.0	180.41	163.83	148.56	132.76	118.18	103.37	91.16	79.04	69.14
240.0	177.80	162.76	146.42	130.99	116.10	102.37	89.78	78.04	67.84
270.0	174.81	159.46	143.81	129.30	114.49	100.76	88.86	76.58	66.99
300.0	180.41	164.68	149.56	134.21	119.40	105.59	92.55	80.96	69.98
330.0	184.09	168.13	152.32	137.67	122.24	107.97	94.85	83.26	72.36
360.0	155.47	144.57	132.14	120.40	109.04	97.38	86.79	77.27	67.91
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	59.78	52.49	46.20	42.67	36.99	31.77	27.32	23.40	20.11
30.0	70.29	61.24	52.87	45.58	39.14	33.99	29.08	25.09	21.49
60.0	67.22	58.01	50.57	43.59	37.52	32.31	28.01	24.02	20.57
90.0	66.84	57.86	50.34	43.36	37.29	32.31	27.47	23.71	20.18
120.0	64.15	55.94	48.27	41.67	36.07	30.70	26.40	22.56	19.26
150.0	65.38	56.63	48.81	42.28	36.37	31.23	26.86	22.71	19.41
180.0	49.04	42.82	37.22	34.15	29.54	23.87	20.80	18.72	17.11
210.0	59.93	51.57	44.81	38.68	33.07	28.32	24.40	20.57	17.50
240.0	58.86	51.26	43.59	37.91	32.61	27.86	24.02	20.49	17.50
270.0	58.01	50.26	43.36	37.68	32.00	27.70	23.71	20.11	17.34
300.0	61.31	53.10	45.81	39.67	34.22	29.31	25.25	21.87	18.72
330.0	63.23	54.56	47.19	40.82	34.92	30.23	26.01	22.25	18.95
360.0	59.78	52.49	46.20	42.67	36.99	31.77	27.32	23.40	20.11
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	17.11	14.66	12.58	10.74	8.98	7.52	6.52	5.60	4.76
30.0	18.34	15.58	13.35	11.36	9.67	8.29	7.21	6.14	5.22
60.0	17.80	15.27	13.05	11.20	9.52	8.06	6.75	5.76	4.76
90.0	17.34	14.58	12.43	10.51	8.90	7.52	6.52	5.53	4.76
120.0	16.50	14.04	12.05	10.21	8.59	7.21	6.14	5.29	4.37
150.0	16.35	13.89	11.82	9.98	8.44	7.14	6.06	5.14	4.37
180.0	15.27	13.51	11.74	10.05	8.52	7.14	5.99	4.83	3.91
210.0	14.96	12.58	10.67	9.06	7.83	6.60	5.68	4.76	3.91
240.0	14.96	12.82	10.97	9.36	7.90	6.68	5.83	4.91	4.07
270.0	14.66	12.43	10.67	8.98	7.75	6.60	5.76	4.83	4.07
300.0	16.19	13.74	11.66	9.98	8.44	7.21	6.14	5.06	4.14
330.0	16.11	13.74	11.74	9.90	8.44	7.29	6.29	5.45	4.53
360.0	17.11	14.66	12.58	10.74	8.98	7.52	6.52	5.60	4.76

# ROLED 投光灯

## 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	3.99	3.30	2.69	2.07	1.30	0.77	0.38	0.31	0.08
30.0	4.45	3.61	2.92	2.30	1.76	1.15	0.61	0.31	0.15
60.0	3.91	3.15	2.61	2.07	1.61	1.15	0.61	0.31	0.15
90.0	3.91	3.15	2.46	1.92	1.46	0.92	0.46	0.23	0.15
120.0	3.68	2.92	2.38	1.76	1.07	0.54	0.23	0.15	0.08
150.0	3.53	2.84	2.23	1.69	1.07	0.54	0.15	0.00	0.00
180.0	3.22	2.61	2.15	1.53	1.07	0.69	0.38	0.23	0.15
210.0	3.22	2.46	1.76	1.38	0.77	0.38	0.23	0.15	0.00
240.0	3.38	2.69	2.07	1.38	0.84	0.31	0.31	0.15	0.00
270.0	3.30	2.69	2.00	1.53	0.92	0.54	0.31	0.23	0.00
300.0	3.45	2.84	2.30	1.76	1.30	0.84	0.38	0.15	0.08
330.0	3.76	3.07	2.38	1.84	1.30	0.77	0.38	0.15	0.08
360.0	3.99	3.30	2.69	2.07	1.30	0.77	0.38	0.31	0.08

C/γ(°)	90.0
0.0	0.00
30.0	0.00
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