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## ROLED

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灯具名称: 水下灯  
灯具描述: U1112A-3-12DC(20-OL-3WN-AA.P1)  
报告编号: 电压(V): 11.4000  
测试编号: 20211029007 电流(A): 0.2890  
光源规格型号: OL 功率(W): 3.3000  
每个光源光通量(lm) 功率因数: 1.0110  
光源数量: 3 镇流器型号:  
发光面长度(mm): 55 发光面宽度 (mm): 55  
测试模式: C 发光面高度(mm): 0

## 光度结果

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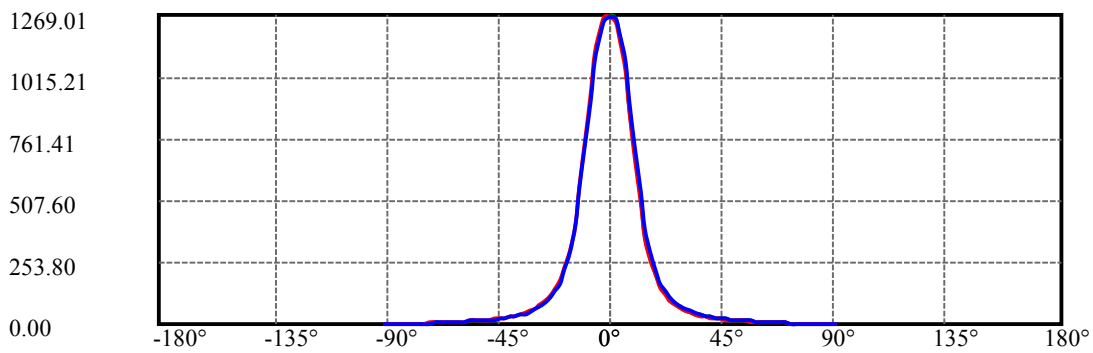
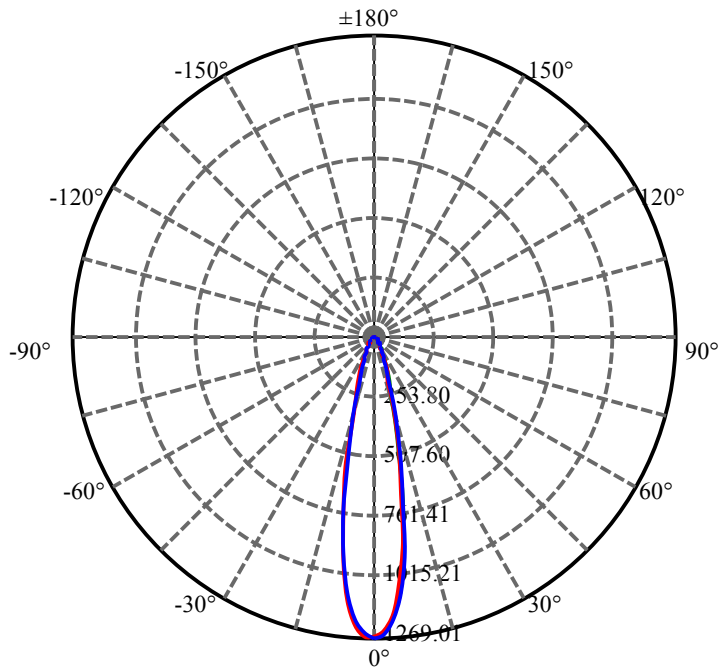
灯具光通量(lm): 303.34  
灯具效能(lm/w): 91.92  
中心光强(cd): 1263.792  
最大光强(cd): 1269.010  
最大光强角度:  $C=30.0 \gamma=0.0$   
半峰边角(50%Imax): [C0/180]Total=21.8  
                          [C90/270]Total=22.2  
光束扩散角(10%Imax): [C0/180]Total=44.9  
                          [C90/270]Total=45.1

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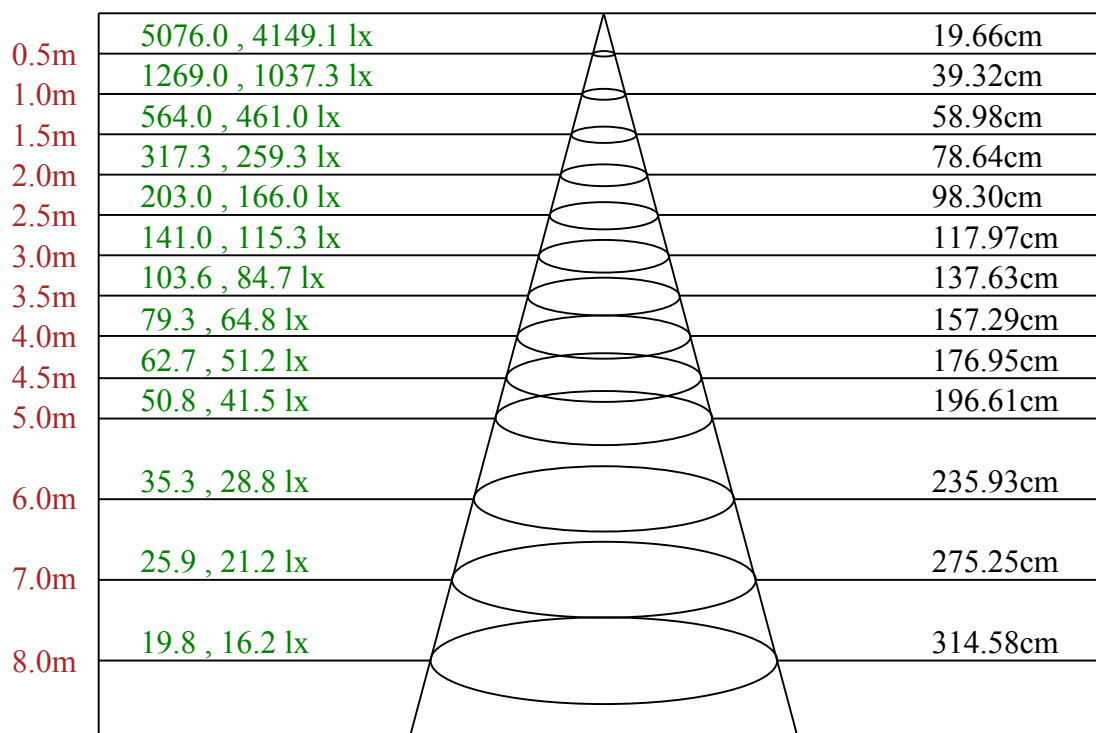
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/10/29  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

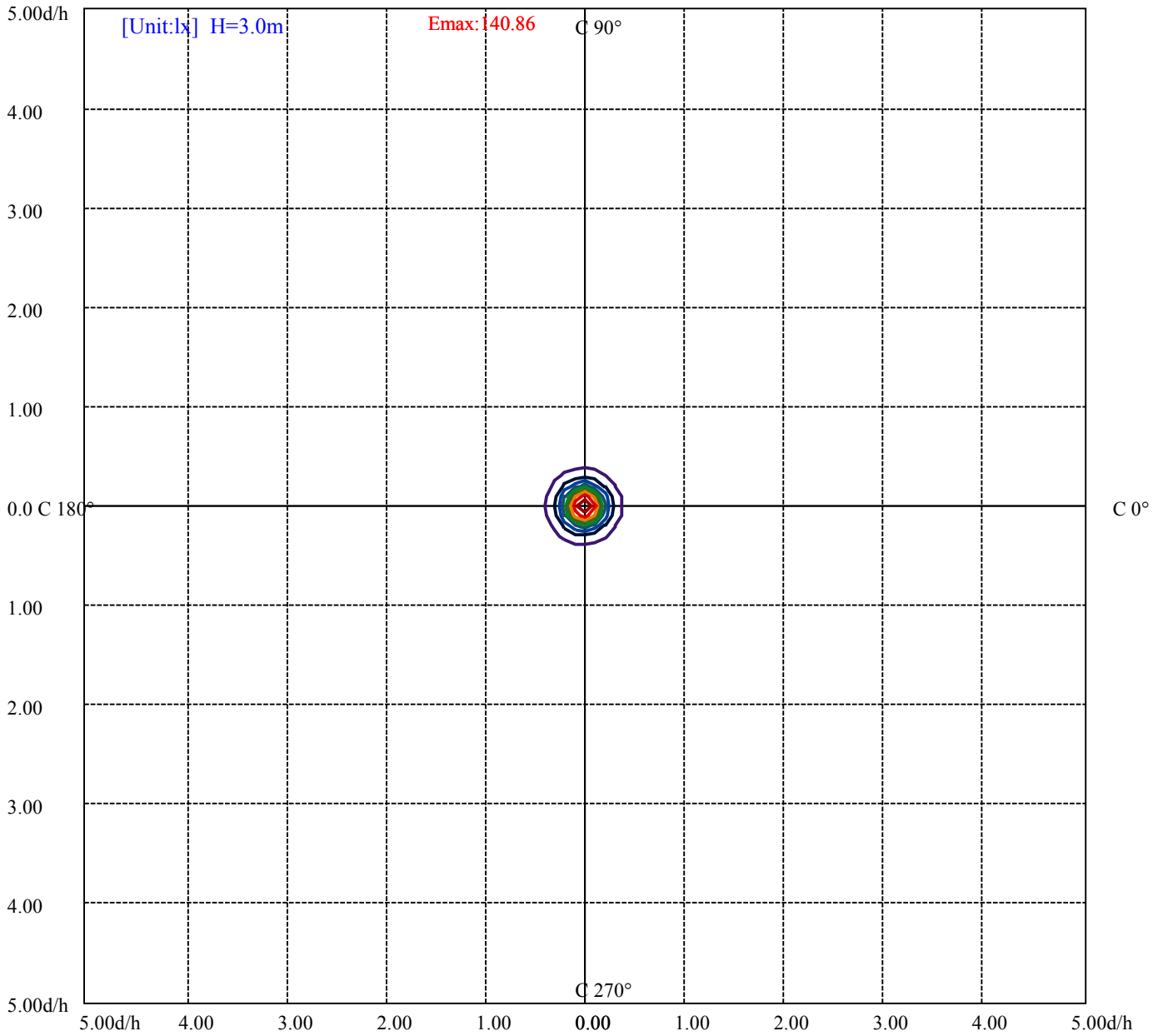


C30(Max): ———  
C0/C180: ———  
C90/C270: ———



Max , Ave    C30面光束角22.24

ROLED 水下灯  
平面等照度曲线



- (10%Emax) 14.086
- (20%Emax) 28.172
- (30%Emax) 42.25811
- (40%Emax) 56.34411
- (50%Emax) 70.43011
- (60%Emax) 84.51611
- (70%Emax) 98.60211
- (80%Emax) 112.6878
- (90%Emax) 126.7744

测试设备: GMS1800  
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# ROLED 水下灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

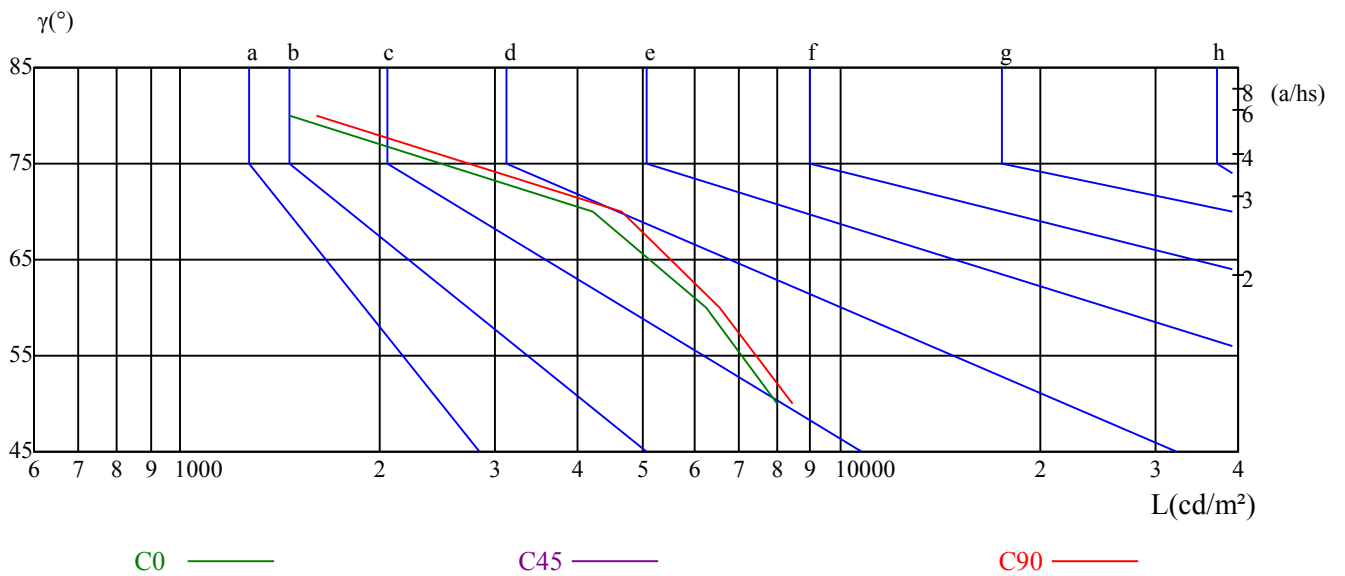
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	8011	0	6240	0	4228	0	1461	0
C45	0	0	0	0	0	0	0	0	0
C90	0	8446	0	6545	0	4673	0	1607	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
1133128	1151556	0	718244	744610	0	178713	145240	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	18.51	19.56	18.87	19.88	20.19	18.50	19.56	18.87	19.87	20.19
	3H	19.61	20.54	19.99	20.87	21.24	19.62	20.55	20.00	20.88	21.25
	4H	19.85	20.72	20.26	21.07	21.46	19.87	20.74	20.28	21.09	21.48
	6H	19.89	20.68	20.31	21.06	21.45	19.92	20.71	20.34	21.09	21.48
	8H	19.86	20.60	20.30	21.00	21.41	19.89	20.64	20.33	21.03	21.44
	12H	19.82	20.53	20.25	20.91	21.34	19.85	20.57	20.29	20.95	21.38
4H	2H	18.84	19.71	19.25	20.06	20.45	18.84	19.70	19.24	20.05	20.44
	3H	20.09	20.79	20.50	21.20	21.60	20.10	20.80	20.51	21.21	21.62
	4H	20.38	21.01	20.82	21.43	21.88	20.41	21.04	20.85	21.46	21.91
	6H	20.45	20.98	20.92	21.43	21.91	20.49	21.02	20.95	21.47	21.95
	8H	20.41	20.91	20.89	21.36	21.84	20.45	20.95	20.93	21.40	21.88
	12H	20.37	20.80	20.86	21.29	21.76	20.41	20.84	20.90	21.33	21.81
8H	4H	20.41	20.91	20.88	21.36	21.83	20.43	20.93	20.91	21.38	21.86
	6H	20.49	20.89	21.00	21.39	21.87	20.53	20.93	21.04	21.43	21.92
	8H	20.46	20.82	20.99	21.34	21.83	20.51	20.87	21.04	21.39	21.88
	12H	21.14	21.45	21.66	21.95	22.52	21.19	21.49	21.71	21.99	22.57
12H	4H	20.36	20.79	20.85	21.28	21.76	20.38	20.82	20.87	21.31	21.78
	6H	20.76	20.80	20.98	21.27	21.82	20.80	20.84	21.02	21.31	21.86
	8H	20.44	20.74	20.96	21.24	21.82	20.49	20.79	21.01	21.29	21.87
对应照射距离，改变观察者位置S											
S = 1.0H	0.6/-0.8					0.5/-0.8					
S = 1.5H	1.3/-1.4					1.3/-1.5					
S = 2.0H	3.4/-2.0					3.2/-2.0					
标准表格	BK2					BK2					
更正系数	-1.3					-1.5					

# ROLED 水下灯

## 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	1263.79	1237.78	1170.25	1042.79	874.89	672.76	494.50	355.53	257.53
30.0	1269.01	1249.52	1183.98	1061.74	885.55	695.70	511.15	364.50	266.05
60.0	1266.48	1245.91	1167.64	1042.25	853.63	660.33	482.68	343.86	256.15
90.0	1265.02	1255.20	1192.58	1080.47	911.26	716.81	543.38	392.36	289.15
120.0	1264.87	1256.73	1193.27	1079.16	900.90	710.74	528.42	381.31	280.40
150.0	1262.33	1262.79	1221.28	1122.13	965.90	773.82	595.02	433.95	319.46
180.0	1263.79	1260.49	1214.99	1114.15	956.23	756.71	565.79	408.09	303.34
210.0	1269.01	1260.11	1214.14	1115.00	959.45	774.21	586.20	426.43	306.49
240.0	1266.48	1256.89	1214.83	1117.15	967.12	782.57	585.20	425.59	307.03
270.0	1265.02	1246.30	1192.04	1083.23	924.69	741.13	558.19	411.08	290.22
300.0	1264.87	1243.00	1187.51	1079.93	919.70	734.46	543.07	393.13	282.93
330.0	1262.33	1233.02	1166.41	1043.40	880.03	682.27	502.63	359.29	257.30
360.0	1263.79	1237.78	1170.25	1042.79	874.89	672.76	494.50	355.53	257.53
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	193.99	153.63	121.71	97.76	81.03	66.99	55.94	47.50	40.75
30.0	199.67	154.93	123.01	100.37	82.42	68.37	57.71	48.81	42.05
60.0	196.52	154.40	123.78	101.22	83.03	68.76	58.01	48.96	41.75
90.0	214.56	169.28	134.06	109.20	89.32	73.98	62.16	52.18	44.35
120.0	217.78	170.59	136.36	111.12	90.63	74.74	62.85	52.72	44.51
150.0	238.35	183.71	144.19	116.41	94.39	77.50	64.92	54.10	46.04
180.0	230.37	181.02	143.42	115.03	92.85	76.89	63.69	53.41	45.43
210.0	231.82	178.26	140.58	112.34	91.24	74.82	62.85	52.64	44.51
240.0	231.67	179.18	142.66	113.11	91.55	74.90	62.69	52.80	44.51
270.0	219.78	168.67	133.14	106.67	86.79	71.98	59.70	49.96	42.36
300.0	213.33	164.83	131.07	104.29	84.72	69.60	57.86	49.27	41.75
330.0	195.68	151.10	119.71	96.46	78.89	65.00	55.10	46.50	39.67
360.0	193.99	153.63	121.71	97.76	81.03	66.99	55.94	47.50	40.75
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	34.99	30.77	27.01	23.94	21.33	19.18	17.34	15.58	14.27
30.0	36.07	31.77	27.78	24.40	21.95	19.72	17.80	16.27	14.66
60.0	35.99	31.46	27.47	24.48	21.87	19.64	17.65	16.27	14.66
90.0	37.99	33.15	28.78	25.55	22.56	20.18	18.19	16.42	15.04
120.0	38.06	33.15	28.78	25.48	22.56	20.03	17.96	16.35	14.73
150.0	39.37	34.07	29.47	25.78	22.87	20.49	18.42	16.58	14.96
180.0	38.83	33.69	29.31	25.94	23.10	20.49	18.49	16.81	15.42
210.0	38.52	33.38	29.08	25.78	22.79	20.34	18.26	16.42	14.96
240.0	38.29	33.30	29.01	25.40	22.71	20.11	18.19	16.35	14.81
270.0	36.76	31.92	27.70	24.79	21.87	19.57	17.65	16.11	14.58
300.0	36.14	31.31	27.47	24.25	21.49	19.26	17.42	15.81	14.43
330.0	34.61	29.93	26.32	23.25	20.72	18.42	16.50	15.12	13.74
360.0	34.99	30.77	27.01	23.94	21.33	19.18	17.34	15.58	14.27
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	12.89	11.74	10.44	9.44	8.36	7.29	6.45	5.45	4.37
30.0	13.35	12.12	10.90	9.67	8.75	7.60	6.60	5.60	4.68
60.0	13.35	12.05	10.82	9.67	8.52	7.60	6.60	5.60	4.68
90.0	13.58	12.28	11.05	9.90	8.82	7.75	6.68	5.76	4.83
120.0	13.20	12.12	10.74	9.59	8.67	7.60	6.60	5.60	4.68
150.0	13.58	12.20	11.05	9.82	8.82	7.75	6.83	5.83	4.91
180.0	13.97	12.58	11.43	10.36	9.21	8.06	7.14	5.99	5.06
210.0	13.58	12.28	11.05	9.75	8.75	7.75	6.68	5.83	4.83
240.0	13.28	11.97	10.74	9.52	8.52	7.44	6.52	5.53	4.53
270.0	13.28	12.12	10.74	9.67	8.44	7.52	6.45	5.60	4.53
300.0	13.05	11.74	10.67	9.59	8.52	7.44	6.52	5.45	4.60
330.0	12.43	11.20	10.05	8.75	7.83	6.91	5.99	5.06	4.14
360.0	12.89	11.74	10.44	9.44	8.36	7.29	6.45	5.45	4.37

# ROLED 水下灯

## 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	3.53	2.69	1.84	1.15	0.77	0.31	0.15	0.00	0.00
30.0	3.76	2.92	2.15	1.46	0.84	0.38	0.15	0.08	0.00
60.0	3.76	2.99	2.07	1.23	0.77	0.46	0.23	0.00	0.00
90.0	3.84	2.99	2.23	1.30	0.84	0.46	0.15	0.00	0.00
120.0	3.68	2.84	2.07	1.30	0.84	0.46	0.15	0.00	0.00
150.0	4.07	3.22	2.30	1.61	1.07	0.61	0.38	0.08	0.00
180.0	4.14	3.38	2.46	1.69	1.00	0.54	0.31	0.00	0.00
210.0	3.91	3.07	2.30	1.53	1.00	0.46	0.31	0.00	0.00
240.0	3.68	2.84	2.15	1.38	0.84	0.54	0.15	0.00	0.00
270.0	3.68	2.84	2.07	1.46	0.84	0.46	0.23	0.00	0.00
300.0	3.76	2.92	2.07	1.38	0.84	0.54	0.15	0.00	0.00
330.0	3.45	2.61	1.84	1.07	0.69	0.38	0.15	0.00	0.00
360.0	3.53	2.69	1.84	1.15	0.77	0.31	0.15	0.00	0.00

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