

浙大三色

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ROLED

灯具名称: 水下灯

灯具描述: U3153A-27-12DC(20-OL-27WN-AA, P1)

报告编号:

电压(V): 12.0000

测试编号: 20210326002

电流(A): 2.3260

光源规格型号: OL

功率(W): 27.9000

每个光源光通量(lm)

功率因数: 1.0120

光源数量: 27

镇流器型号:

发光面长度(mm): 977

发光面宽度(mm): 33

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2806.55

灯具效能(lm/w): 100.59

中心光强(cd): 11527.520

最大光强(cd): 12044.730

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=21.4

[C90/270]Total=21.2

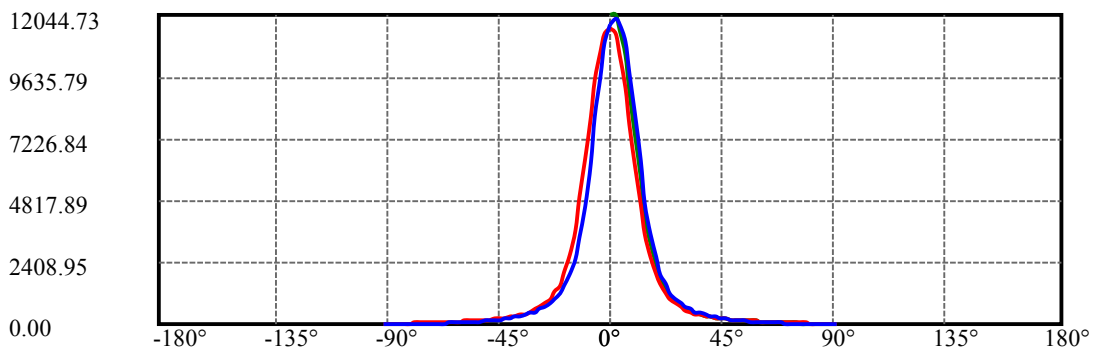
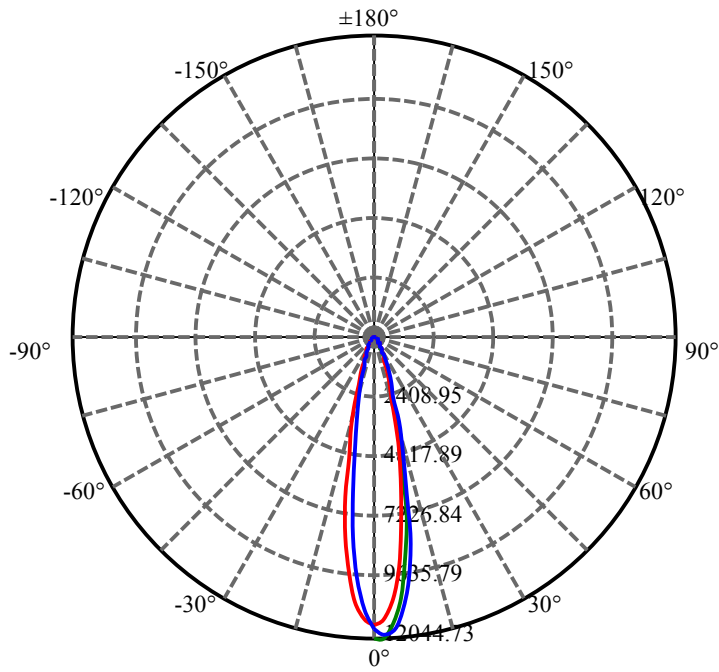
光束扩散角(10%Imax): [C0/180]Total=45.3

[C90/270]Total=45.1

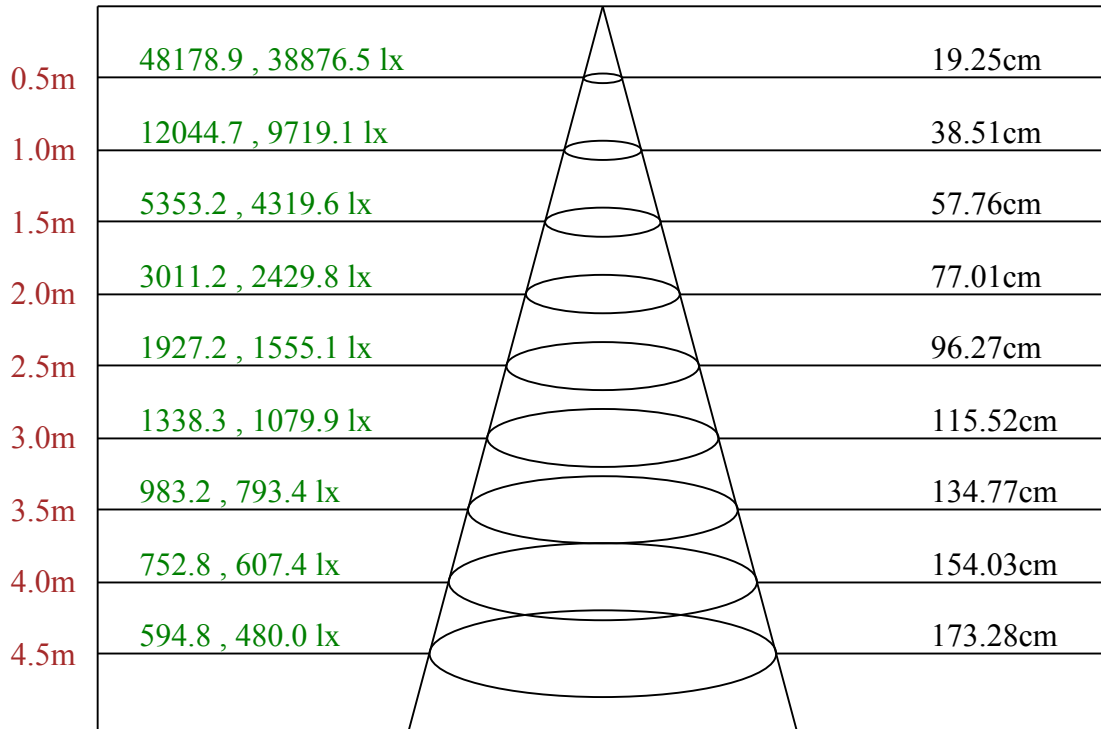
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/26
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

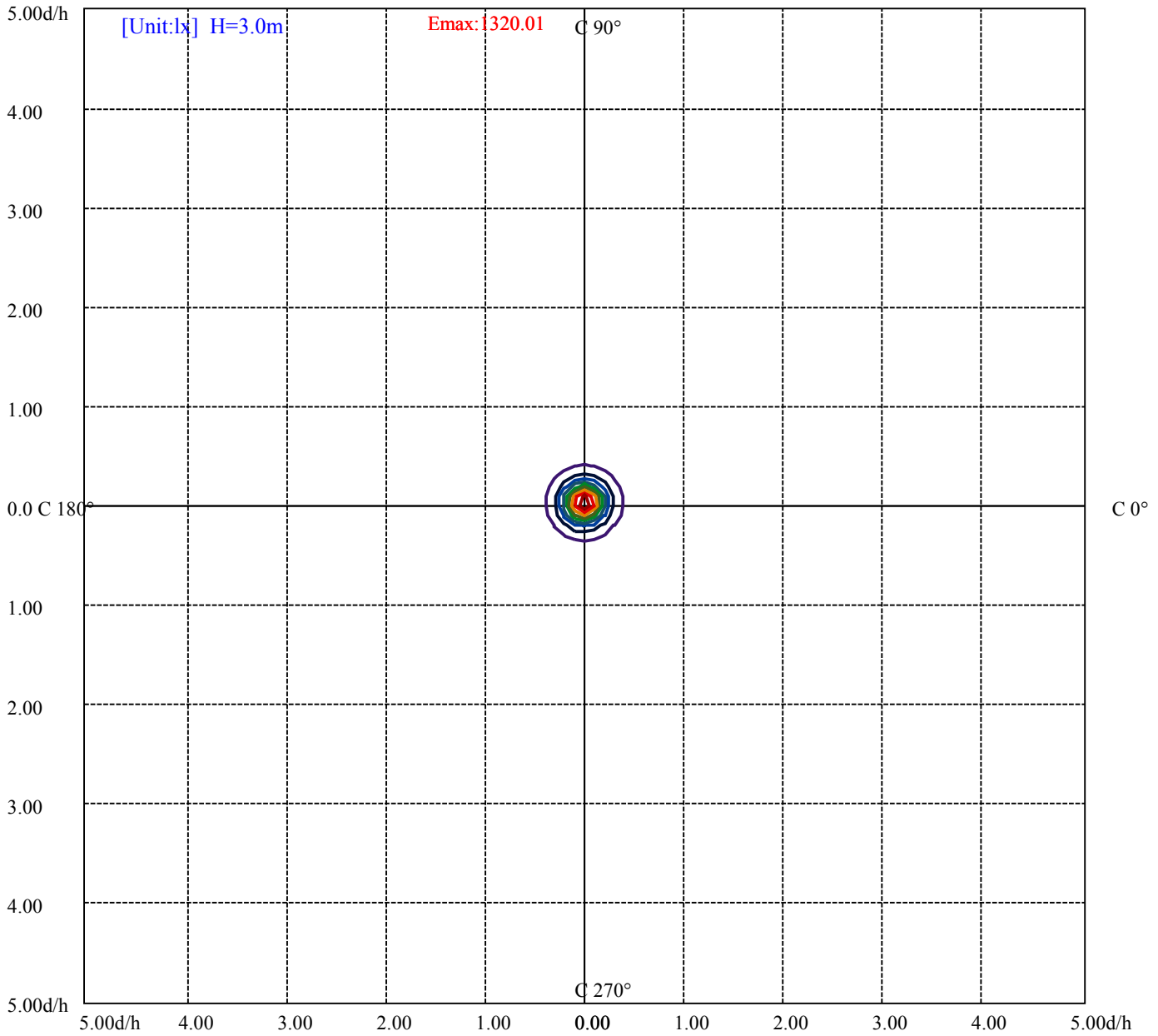


C30(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C30面光束角21.79

ROLED 水下灯
平面等照度曲线



- | | |
|--------------------|---|
| (10%Emax) 132.0011 | — |
| (20%Emax) 264.0022 | — |
| (30%Emax) 396.0033 | — |
| (40%Emax) 528.0045 | — |
| (50%Emax) 660.0056 | — |
| (60%Emax) 792.0067 | — |
| (70%Emax) 924.0078 | — |
| (80%Emax) 1056.009 | — |
| (90%Emax) 1188.011 | — |

ROLED 水下灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

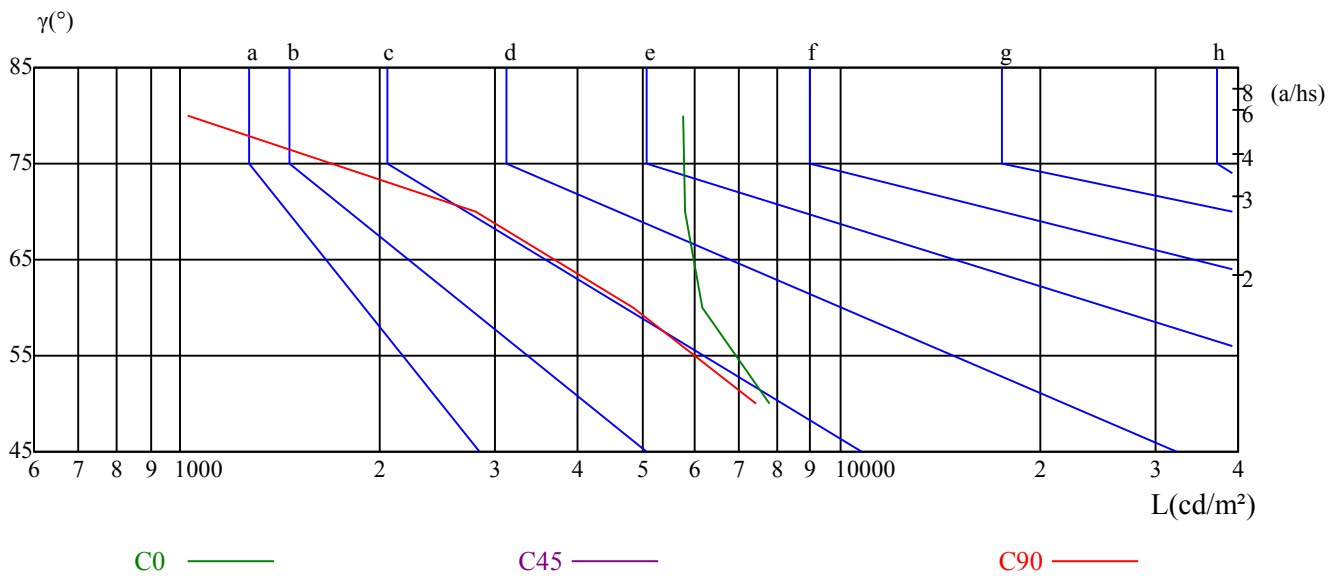
γ	45	50	55	60	65	70	75	80	85
C0	0	7787	0	6184	0	5825	0	5757	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7461	0	4836	0	2804	0	1028	0

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	9.63	10.70	9.99	11.01	11.33	11.27	12.34	11.64	12.66	12.97
	3H	10.16	11.10	10.54	11.44	11.80	12.87	13.81	13.25	14.15	14.51
	4H	10.17	11.05	10.58	11.40	11.79	13.46	14.34	13.87	14.70	15.08
	6H	10.12	10.93	10.54	11.30	11.70	13.91	14.72	14.33	15.09	15.49
	8H	10.09	10.84	10.52	11.24	11.64	14.07	14.83	14.50	15.22	15.63
	12H	10.05	10.78	10.49	11.16	11.59	14.27	15.00	14.71	15.38	15.81
4H	2H	10.17	11.04	10.57	11.40	11.79	11.52	12.40	11.93	12.75	13.14
	3H	10.78	11.50	11.20	11.91	12.31	13.37	14.09	13.78	14.50	14.90
	4H	10.80	11.44	11.24	11.87	12.32	14.04	14.69	14.48	15.11	15.56
	6H	10.76	11.31	11.23	11.76	12.24	14.49	15.04	14.96	15.48	15.96
	8H	10.72	11.23	11.19	11.68	12.16	14.67	15.18	15.14	15.63	16.10
	12H	10.69	11.13	11.18	11.62	12.09	14.88	15.33	15.37	15.81	16.29
8H	4H	11.01	11.52	11.48	11.97	12.44	13.99	14.50	14.46	14.95	15.43
	6H	10.97	11.38	11.48	11.88	12.37	14.46	14.86	14.96	15.37	15.85
	8H	10.94	11.30	11.47	11.82	12.32	14.67	15.03	15.20	15.55	16.05
	12H	11.58	11.89	12.10	12.39	12.97	15.47	15.78	15.99	16.28	16.86
12H	4H	10.99	11.43	11.48	11.92	12.40	13.93	14.38	14.42	14.86	15.34
	6H	11.30	11.32	11.50	11.79	12.34	14.74	14.76	14.93	15.23	15.78
	8H	10.95	11.26	11.47	11.76	12.34	14.63	14.94	15.15	15.44	16.02
对应照射距离，改变观察者位置S											
S = 1.0H	0.9/-1.0					0.4/-0.6					
S = 1.5H	1.9/-2.2					1.0/-1.0					
S = 2.0H	4.2/-3.0					2.0/-1.2					
标准表格	BK2					BK2					
更正系数	-1.6					-0.2					

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	11527.52	11264.31	10491.56	9230.77	7790.40	6149.75	4627.28	3498.47	2589.13
30.0	12044.73	12023.25	11474.57	10495.40	9054.27	7343.02	5671.68	4208.29	3127.82
60.0	11715.53	11794.57	11369.44	10461.64	9142.52	7499.57	5934.12	4428.53	3262.88
90.0	11673.32	11904.30	11693.28	10988.06	9833.92	8177.93	6393.01	4747.76	3511.51
120.0	11726.27	11884.35	11577.40	10775.49	9510.86	7825.70	6089.90	4582.00	3348.83
150.0	11692.51	11773.85	11380.19	10510.75	9248.42	7568.63	5847.41	4391.69	3198.42
180.0	11527.52	11295.77	10631.23	9503.95	8080.47	6448.26	4922.72	3678.03	2701.16
210.0	12044.73	11564.36	10536.07	9167.84	7476.54	5713.11	4235.15	3149.31	2319.78
240.0	11715.53	11173.76	10094.06	8557.78	6959.33	5294.89	3881.39	2868.45	2173.21
270.0	11673.32	10928.97	9632.10	8046.70	6249.51	4588.14	3401.01	2522.36	1943.00
300.0	11726.27	11121.58	9957.47	8324.49	6667.73	5009.43	3710.26	2712.67	2078.82
330.0	11692.51	11147.67	10031.14	8579.26	6855.74	5164.44	3880.62	2878.43	2164.77
360.0	11527.52	11264.31	10491.56	9230.77	7790.40	6149.75	4627.28	3498.47	2589.13
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1946.07	1535.52	1211.69	972.27	798.84	667.62	557.88	474.24	409.01
30.0	2331.29	1797.19	1392.79	1104.25	884.78	725.94	597.79	501.10	420.52
60.0	2425.68	1838.63	1458.94	1159.66	944.10	772.52	647.28	537.62	460.20
90.0	2599.10	1975.23	1555.47	1233.94	1002.96	817.26	678.36	565.56	477.31
120.0	2484.00	1886.98	1499.84	1192.58	968.28	791.55	656.57	549.06	468.71
150.0	2383.47	1822.52	1442.67	1151.06	938.50	768.14	637.69	537.16	452.75
180.0	2029.71	1514.57	1253.28	1004.50	823.32	677.67	564.41	474.24	407.25
210.0	1796.43	1412.89	1113.77	898.98	741.21	608.30	508.54	432.49	367.19
240.0	1661.37	1329.86	1062.05	859.46	714.43	600.09	504.17	430.50	387.52
270.0	1516.03	1222.81	980.94	813.96	676.75	563.64	481.61	412.69	355.76
300.0	1608.42	1281.52	1039.79	845.65	709.82	591.65	496.49	425.13	389.06
330.0	1686.69	1362.17	1088.37	897.83	742.97	616.20	519.82	446.23	383.23
360.0	1946.07	1535.52	1211.69	972.27	798.84	667.62	557.88	474.24	409.01
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	353.76	312.02	274.41	243.10	217.70	196.37	177.34	161.38	147.95
30.0	359.29	309.33	271.11	238.65	212.26	191.69	174.04	160.00	146.80
60.0	395.74	343.63	303.65	268.89	240.88	216.71	185.40	160.23	145.34
90.0	412.85	358.90	315.47	277.71	233.90	194.99	172.97	154.63	137.90
120.0	402.41	349.62	308.64	272.88	242.72	217.24	187.01	159.00	143.50
150.0	388.29	329.66	284.70	248.78	221.16	198.14	180.87	166.83	153.94
180.0	351.30	305.88	270.27	239.42	213.64	192.46	175.58	160.38	148.18
210.0	319.61	278.71	244.56	218.01	196.22	178.80	164.06	151.48	139.74
240.0	326.60	289.38	253.69	227.07	199.82	167.67	151.56	138.43	126.77
270.0	311.02	275.18	232.21	194.99	174.27	156.08	141.12	124.55	109.43
300.0	324.29	286.08	254.46	226.45	200.13	165.29	149.41	136.44	124.70
330.0	334.42	296.28	261.83	234.20	212.18	192.00	175.65	160.84	148.26
360.0	353.76	312.02	274.41	243.10	217.70	196.37	177.34	161.38	147.95
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	136.44	126.69	117.33	99.68	90.78	84.10	77.12	70.75	64.23
30.0	136.29	126.54	117.49	109.58	101.37	93.54	85.10	76.74	68.22
60.0	132.83	120.71	108.89	96.23	81.96	67.45	55.79	45.35	36.91
90.0	122.17	106.13	92.01	77.97	66.07	55.79	47.73	39.37	30.93
120.0	130.53	118.10	105.21	92.93	79.88	66.84	55.33	45.20	36.76
150.0	142.12	132.14	124.85	116.49	105.59	91.55	82.95	73.74	65.53
180.0	137.13	127.38	118.33	109.96	101.83	93.77	82.65	72.59	65.69
210.0	130.22	120.48	111.96	103.44	95.00	86.79	78.43	70.45	60.55
240.0	114.03	102.37	89.48	77.20	64.38	52.26	43.20	34.69	25.71
270.0	94.85	81.57	68.45	57.71	49.19	40.44	31.77	23.02	15.35
300.0	112.34	100.07	87.71	74.74	62.08	50.19	41.52	33.07	24.79
330.0	137.59	128.23	118.48	100.99	90.32	82.19	74.05	65.61	56.86
360.0	136.44	126.69	117.33	99.68	90.78	84.10	77.12	70.75	64.23

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	58.09	51.87	45.04	38.83	32.23	26.17	18.80	10.74	3.68
30.0	59.47	49.57	37.14	23.64	14.58	7.29	4.37	2.53	1.69
60.0	28.32	19.80	11.28	7.44	5.68	3.68	3.15	2.61	1.76
90.0	23.02	15.27	10.67	8.44	5.76	3.76	3.38	2.76	2.00
120.0	28.39	20.41	12.28	8.29	6.45	3.84	3.15	2.69	1.84
150.0	58.17	48.04	37.06	23.25	14.81	7.67	4.68	2.61	1.76
180.0	58.47	51.03	44.66	37.68	31.08	24.25	16.73	8.90	3.15
210.0	50.80	37.60	23.64	14.96	7.37	4.68	2.92	2.00	0.92
240.0	16.81	9.90	6.98	4.22	3.30	2.84	2.07	1.15	0.23
270.0	10.44	7.75	4.60	3.53	3.22	2.53	1.61	0.84	0.08
300.0	15.81	9.29	6.60	3.99	3.30	2.84	2.07	1.07	0.23
330.0	46.89	33.53	21.72	13.20	6.14	3.91	2.38	1.53	0.46
360.0	58.09	51.87	45.04	38.83	32.23	26.17	18.80	10.74	3.68

C/γ(°)	90.0
0.0	0.38
30.0	0.54
60.0	0.84
90.0	1.00
120.0	1.00
150.0	0.84
180.0	0.46
210.0	0.46
240.0	0.15
270.0	0.08
300.0	0.23
330.0	0.31
360.0	0.38