

浙大三色

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ROLED

灯具名称: 水下灯

灯具描述: U3153A-27-12DC(45-OL-27WN-AA, P1)

报告编号:

电压(V): 12.1000

测试编号: 20210326004

电流(A): 2.2990

光源规格型号: OL

功率(W): 28.0000

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): 2668.48

灯具效能(lm/w): 95.30

中心光强(cd): 3566.764

最大光强(cd): 3637.363

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=43.5

[C90/270]Total=43.1

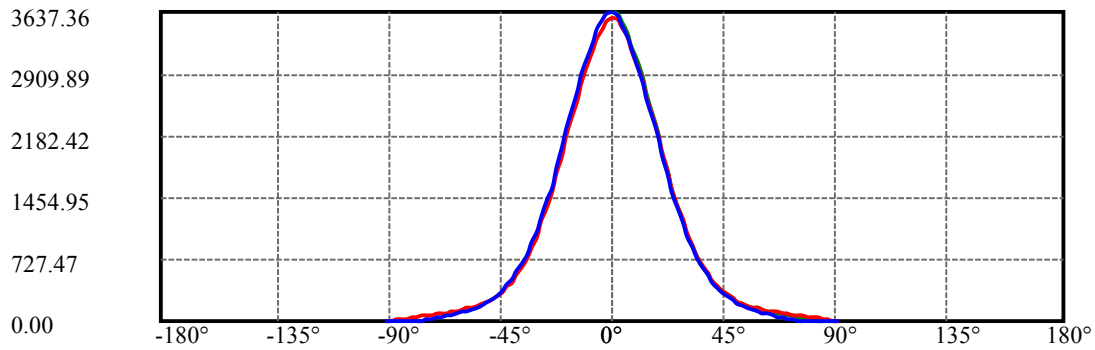
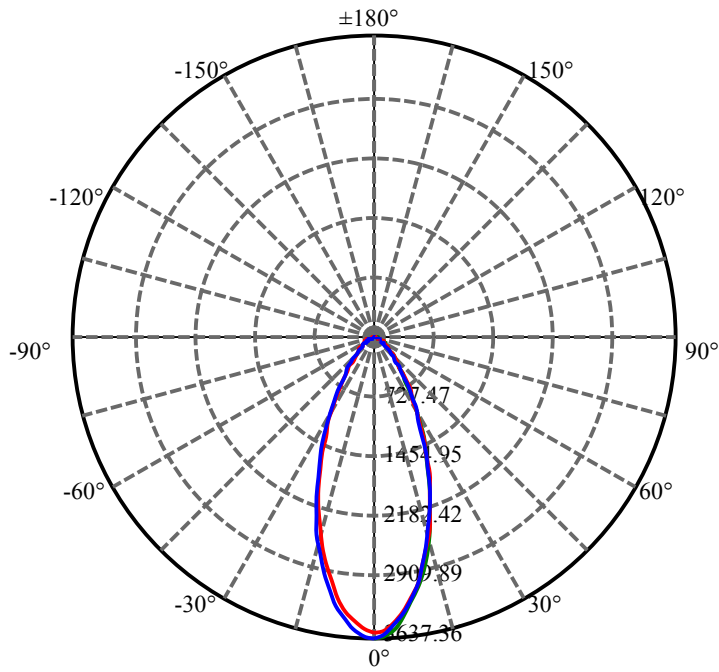
光束扩散角(10%Imax): [C0/180]Total=87.4

[C90/270]Total=86.9

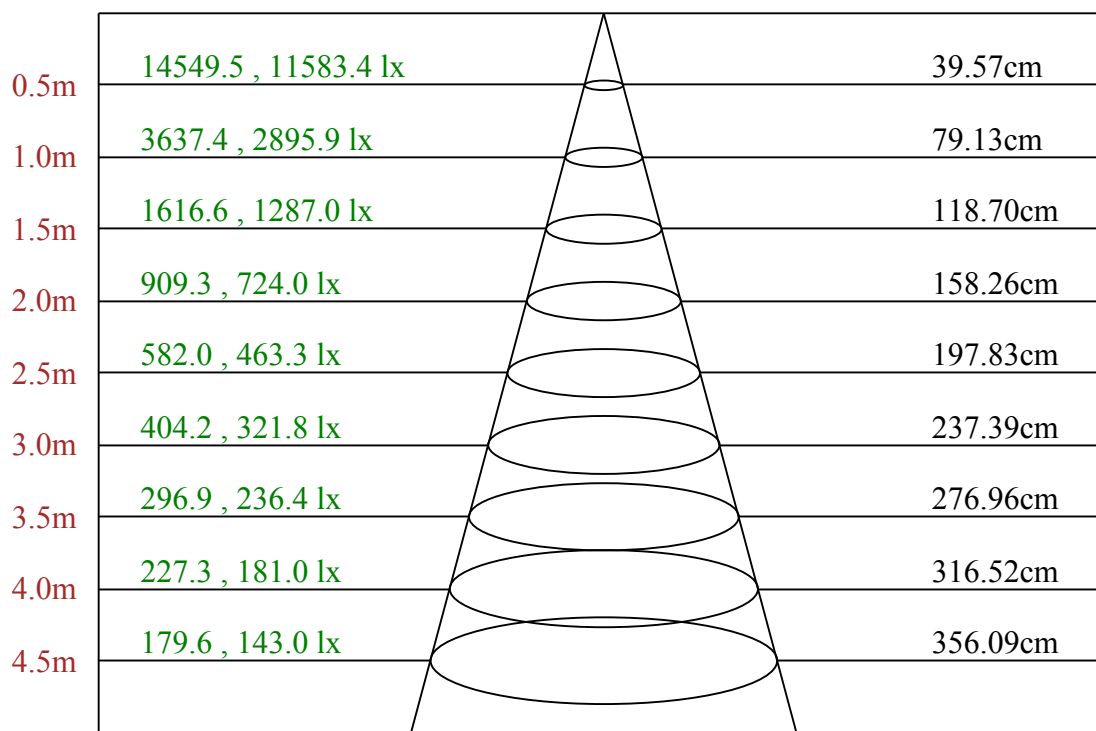
测试设备: GMS1800
环境温度(°C): 25.0

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

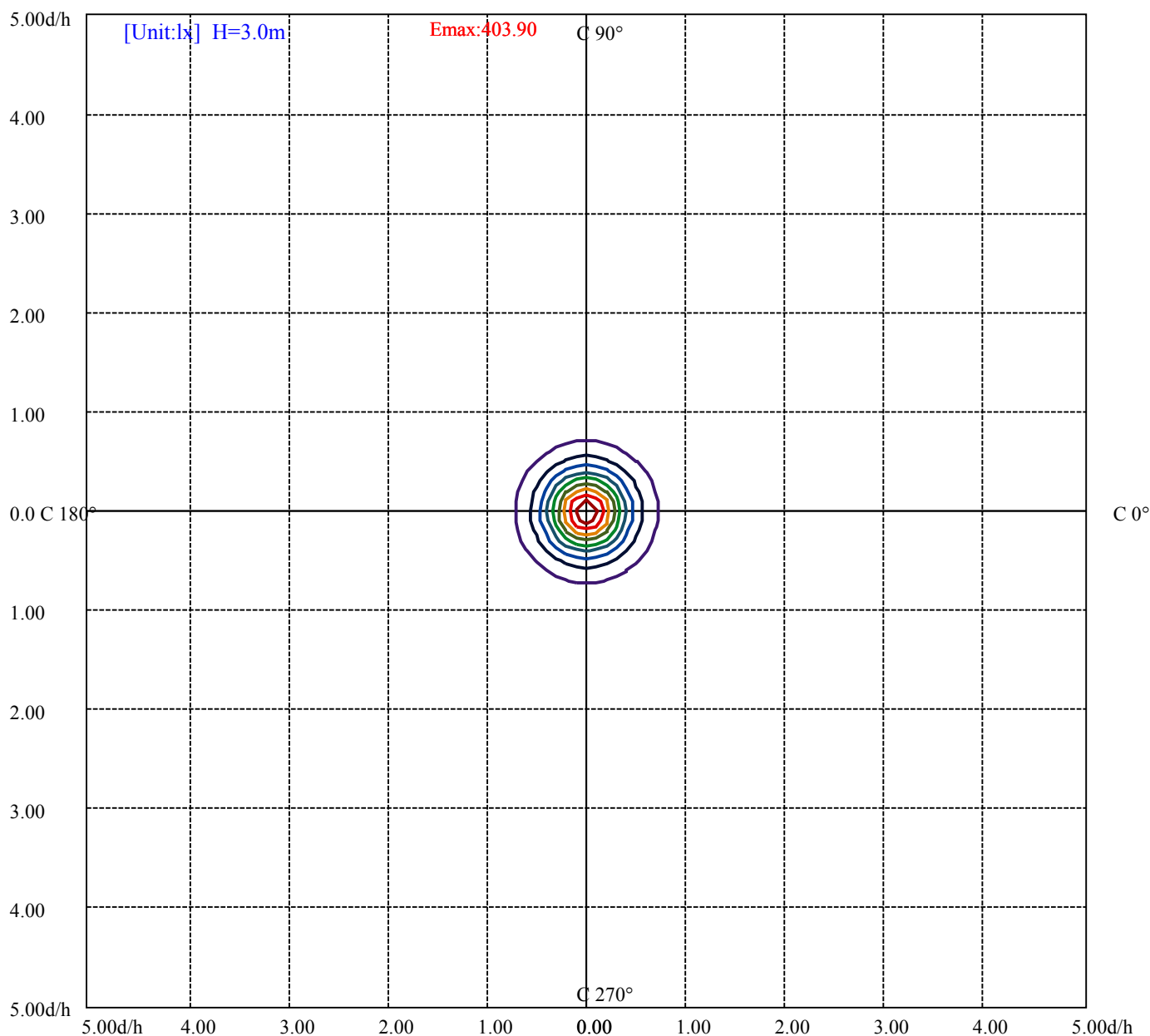


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角43.17

ROLED 水下灯
平面等照度曲线



(10%Emax) 40.38956	——
(20%Emax) 80.779	——
(30%Emax) 121.1689	——
(40%Emax) 161.5578	——
(50%Emax) 201.9478	——
(60%Emax) 242.3367	——
(70%Emax) 282.7267	——
(80%Emax) 323.1167	——
(90%Emax) 363.5056	——

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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

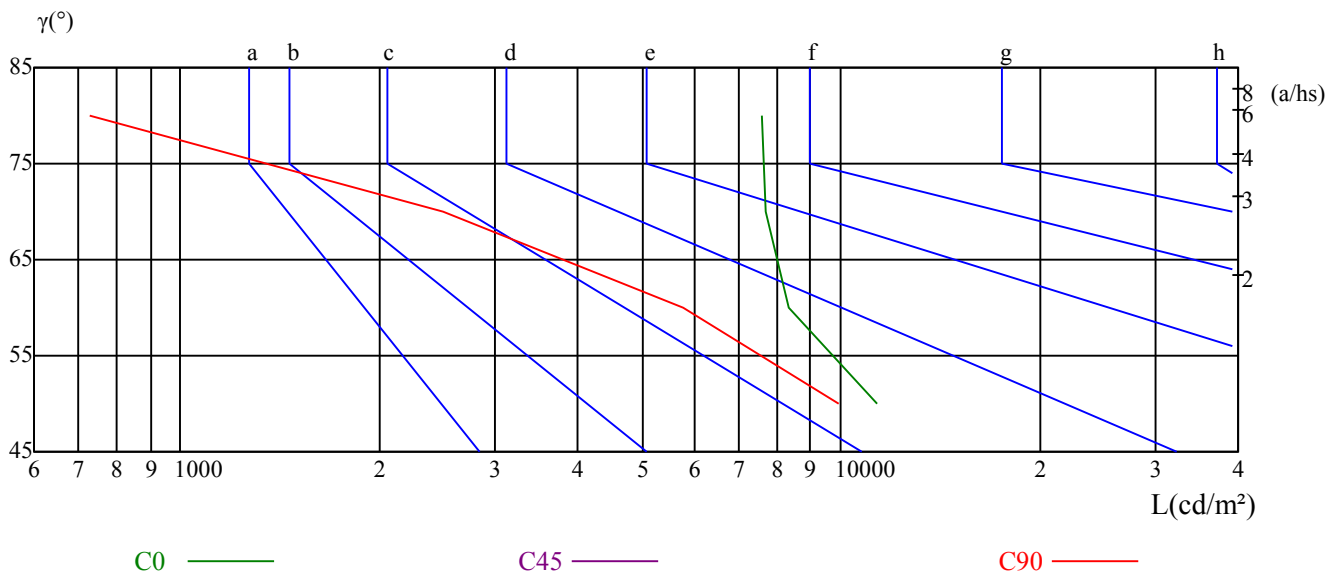
γ	45	50	55	60	65	70	75	80	85
C0	0	11320	0	8349	0	7683	0	7593	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9946	0	5784	0	2498	0	726	0

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	12.03	13.20	12.40	13.51	13.83	13.32	14.49	13.68	14.80	15.12
	3H	12.62	13.65	13.00	13.99	14.35	14.86	15.89	15.24	16.22	16.59
	4H	12.62	13.59	13.03	13.94	14.32	15.47	16.44	15.88	16.79	17.18
	6H	12.56	13.44	12.98	13.82	14.21	15.96	16.84	16.38	17.22	17.61
	8H	12.52	13.35	12.95	13.74	14.15	16.14	16.97	16.57	17.36	17.77
	12H	12.48	13.28	12.92	13.66	14.09	16.38	17.17	16.81	17.56	17.99
4H	2H	12.54	13.50	12.94	13.85	14.24	13.60	14.57	14.01	14.92	15.30
	3H	13.23	14.02	13.65	14.43	14.83	15.36	16.15	15.78	16.56	16.96
	4H	13.24	13.94	13.68	14.37	14.81	16.07	16.77	16.51	17.19	17.64
	6H	13.19	13.79	13.65	14.24	14.71	16.55	17.16	17.02	17.60	18.07
	8H	13.14	13.70	13.61	14.15	14.62	16.76	17.32	17.23	17.77	18.25
	12H	13.10	13.59	13.59	14.08	14.55	17.01	17.51	17.50	17.99	18.47
8H	4H	13.41	13.98	13.89	14.43	14.90	16.03	16.60	16.51	17.05	17.52
	6H	13.36	13.81	13.86	14.31	14.79	16.55	17.00	17.05	17.50	17.98
	8H	13.31	13.72	13.84	14.23	14.73	16.79	17.19	17.32	17.71	18.20
	12H	14.00	14.35	14.52	14.85	15.42	17.60	17.95	18.11	18.44	19.02
12H	4H	13.40	13.89	13.89	14.38	14.85	15.98	16.47	16.47	16.96	17.44
	6H	13.79	13.75	13.88	14.22	14.77	16.93	16.90	17.02	17.37	17.91
	8H	13.32	13.67	13.84	14.17	14.74	16.75	17.10	17.27	17.60	18.18
对应照射距离，改变观察者位置S											
S = 1.0H	1.4/-1.8					0.8/-1.0					
S = 1.5H	2.9/-3.0					1.6/-1.4					
S = 2.0H	5.2/-4.2					3.2/-1.4					
标准表格	BK1					BK2					
更正系数	-0.1					2.2					

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	3566.76	3541.44	3457.80	3337.32	3187.68	3014.25	2820.11	2627.50	2414.16
30.0	3637.36	3606.67	3519.95	3395.64	3239.86	3064.90	2863.08	2655.89	2428.75
60.0	3632.76	3582.11	3481.58	3355.74	3189.21	3001.97	2796.32	2584.52	2356.61
90.0	3631.99	3584.41	3484.65	3350.36	3197.66	3011.18	2810.90	2606.01	2384.24
120.0	3628.15	3569.83	3467.77	3334.25	3179.24	2992.77	2789.41	2578.38	2353.54
150.0	3627.39	3585.95	3492.33	3368.01	3221.44	3041.11	2840.83	2635.94	2410.33
180.0	3566.76	3532.23	3444.75	3322.74	3176.94	2997.37	2803.22	2601.40	2384.24
210.0	3637.36	3612.04	3528.39	3410.99	3258.28	3073.34	2871.52	2664.33	2431.81
240.0	3632.76	3625.08	3560.62	3447.82	3313.53	3140.87	2939.82	2729.56	2514.69
270.0	3631.99	3617.41	3539.14	3426.33	3279.77	3104.04	2921.40	2703.47	2488.60
300.0	3628.15	3618.18	3547.58	3438.61	3308.93	3140.87	2942.89	2745.67	2521.60
330.0	3627.39	3603.60	3518.42	3401.01	3265.18	3089.46	2896.84	2685.82	2469.42
360.0	3566.76	3541.44	3457.80	3337.32	3187.68	3014.25	2820.11	2627.50	2414.16
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2188.56	1983.67	1767.27	1556.24	1365.16	1195.57	1028.28	888.62	768.14
30.0	2210.81	1982.13	1758.06	1548.56	1352.12	1180.99	1021.38	884.78	758.17
60.0	2143.28	1914.60	1695.90	1499.38	1314.98	1139.40	983.01	849.79	727.17
90.0	2160.93	1935.32	1724.29	1516.33	1332.16	1157.20	1000.66	864.83	735.15
120.0	2127.93	1900.79	1693.60	1498.07	1314.67	1139.55	983.16	843.88	728.32
150.0	2194.70	1968.32	1746.55	1539.36	1353.65	1171.78	1009.10	867.90	734.38
180.0	2166.30	1953.74	1735.04	1525.24	1336.85	1166.18	1005.19	868.06	741.29
210.0	2203.90	1989.04	1760.36	1522.55	1365.93	1190.74	1030.82	893.07	762.39
240.0	2276.80	2058.87	1817.15	1607.65	1409.67	1223.20	1062.05	915.48	789.63
270.0	2265.29	2048.13	1814.08	1570.82	1417.34	1228.57	1067.34	917.63	787.10
300.0	2286.78	2073.45	1845.54	1623.77	1424.25	1244.68	1072.02	924.69	798.07
330.0	2242.27	2028.17	1798.73	1523.01	1405.14	1217.67	1054.14	907.35	780.34
360.0	2188.56	1983.67	1767.27	1556.24	1365.16	1195.57	1028.28	888.62	768.14
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	656.11	562.49	479.61	413.62	357.14	309.71	267.89	234.59	205.81
30.0	649.20	553.28	475.77	408.24	351.84	306.18	266.51	235.20	206.58
60.0	621.34	529.57	455.05	388.98	335.34	287.77	248.17	214.40	185.47
90.0	633.85	538.70	461.96	391.36	335.96	285.39	242.57	206.12	175.19
120.0	622.27	530.10	455.67	389.52	333.42	286.23	248.55	214.56	186.63
150.0	623.11	517.21	437.40	387.52	320.30	278.71	246.48	220.01	195.99
180.0	632.09	538.54	463.03	396.81	340.64	296.90	258.84	227.37	201.51
210.0	653.80	563.64	479.76	412.00	354.68	308.25	269.35	238.42	210.64
240.0	673.76	576.30	490.35	420.52	362.97	311.02	270.12	234.74	205.27
270.0	673.76	579.68	491.66	419.91	360.21	303.50	259.14	221.08	189.16
300.0	679.90	586.28	493.42	423.59	364.96	314.78	270.50	234.43	204.35
330.0	669.08	576.22	489.66	419.83	361.05	313.01	272.73	239.04	211.95
360.0	656.11	562.49	479.61	413.62	357.14	309.71	267.89	234.59	205.81
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	183.63	164.45	147.64	134.60	122.78	112.42	102.14	93.70	84.72
30.0	185.09	166.21	150.79	136.21	123.32	111.35	99.22	87.33	75.20
60.0	161.23	139.20	121.32	105.05	90.40	76.97	65.07	52.57	39.98
90.0	150.64	128.46	109.89	93.24	79.12	66.68	53.87	40.82	27.55
120.0	160.84	138.43	119.56	103.52	89.71	76.58	64.61	52.26	39.37
150.0	175.35	158.85	145.72	131.45	117.95	107.74	96.46	83.95	73.28
180.0	180.95	162.38	146.95	133.83	122.09	111.35	101.14	91.78	83.03
210.0	188.70	169.90	153.48	140.20	127.31	115.41	103.52	91.70	79.50
240.0	177.49	155.62	134.52	117.56	102.44	88.09	75.59	63.08	50.19
270.0	161.92	139.82	119.40	102.29	86.94	73.36	61.62	48.73	35.76
300.0	177.57	154.17	132.83	116.18	101.14	87.71	74.67	62.31	49.19
330.0	189.23	169.90	153.01	139.36	126.31	113.73	102.37	90.78	79.19
360.0	183.63	164.45	147.64	134.60	122.78	112.42	102.14	93.70	84.72

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	76.66	68.30	59.39	51.18	42.51	35.07	26.40	16.50	5.83
30.0	63.77	51.64	39.06	26.78	14.35	6.60	3.91	2.38	1.07
60.0	27.63	15.35	9.59	6.60	4.22	3.53	2.76	1.76	0.77
90.0	16.96	11.28	8.52	5.37	4.07	3.76	2.84	1.84	0.69
120.0	27.01	14.89	9.29	6.45	4.14	3.53	2.84	1.76	0.69
150.0	61.70	49.50	37.52	25.17	13.12	6.06	3.53	2.38	1.07
180.0	75.51	66.76	57.55	49.57	41.52	32.23	22.94	12.74	3.99
210.0	68.22	55.94	42.82	30.70	17.50	7.60	4.22	2.76	1.38
240.0	37.60	25.25	13.20	8.59	5.60	3.84	3.38	2.46	1.30
270.0	23.02	13.81	9.90	6.37	4.45	3.99	3.22	2.23	1.15
300.0	36.45	24.10	12.51	8.59	5.22	3.84	3.38	2.46	1.23
330.0	67.45	55.25	42.28	29.93	16.81	7.21	3.99	2.69	1.30
360.0	76.66	68.30	59.39	51.18	42.51	35.07	26.40	16.50	5.83

C/γ(°)	90.0
0.0	0.31
30.0	0.15
60.0	0.08
90.0	0.00
120.0	0.08
150.0	0.23
180.0	0.46
210.0	0.31
240.0	0.23
270.0	0.23
300.0	0.31
330.0	0.23
360.0	0.31