

浙大三色

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ROLED

灯具名称: 水下灯

灯具描述: U1034A-18-12DC (45-OL-18WN-AJ, CT)

报告编号:

电压(V): 12.4000

测试编号: 20210318011

电流(A): 1.5060

光源规格型号: OL

功率(W): 18.7000

每个光源光通量(lm)

功率因数: 1.0120

光源数量: 18

镇流器型号:

发光面长度(mm): 170

发光面宽度(mm): 170

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1867.23

灯具效能(lm/w): 99.85

中心光强(cd): 2470.183

最大光强(cd): 2480.927

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=42.5

[C90/270]Total=42.8

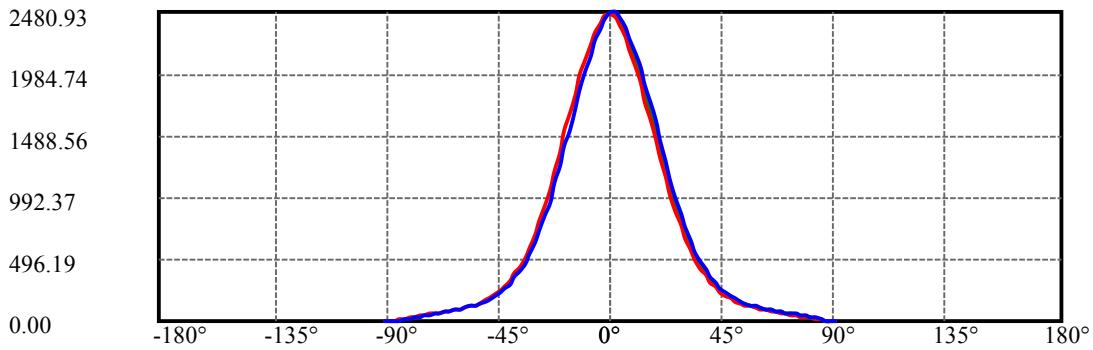
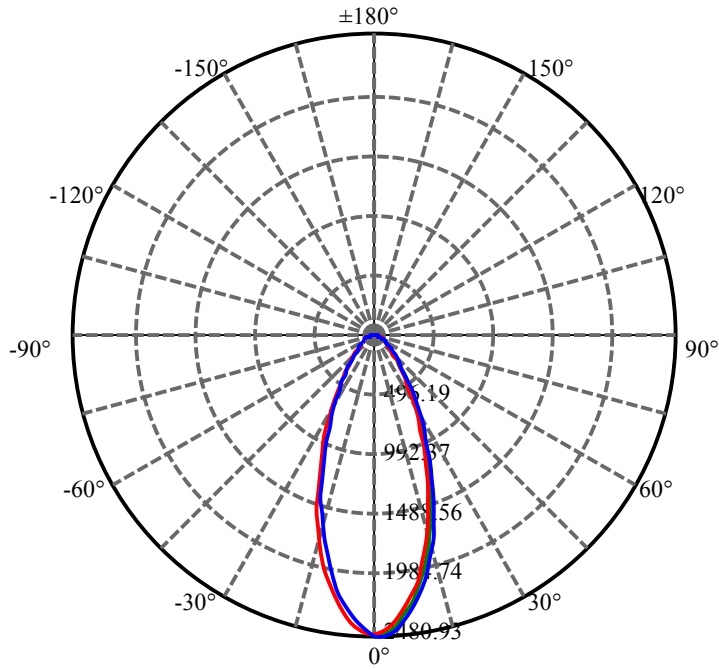
光束扩散角(10%Imax): [C0/180]Total=87.1

[C90/270]Total=87.9

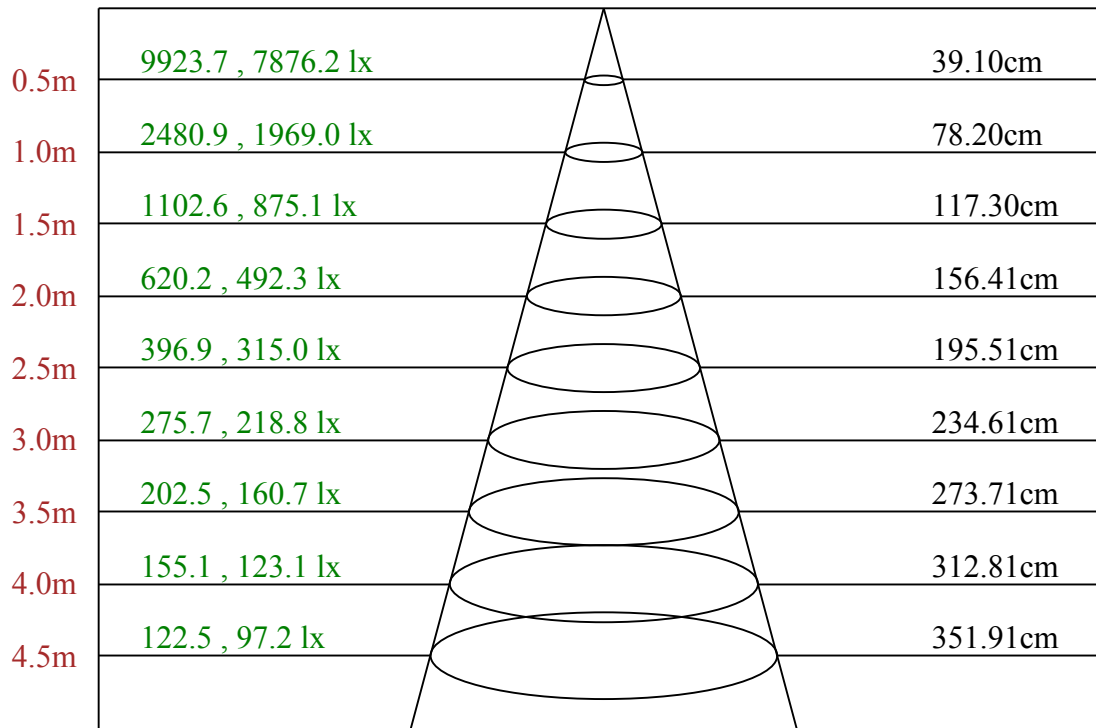
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/18
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

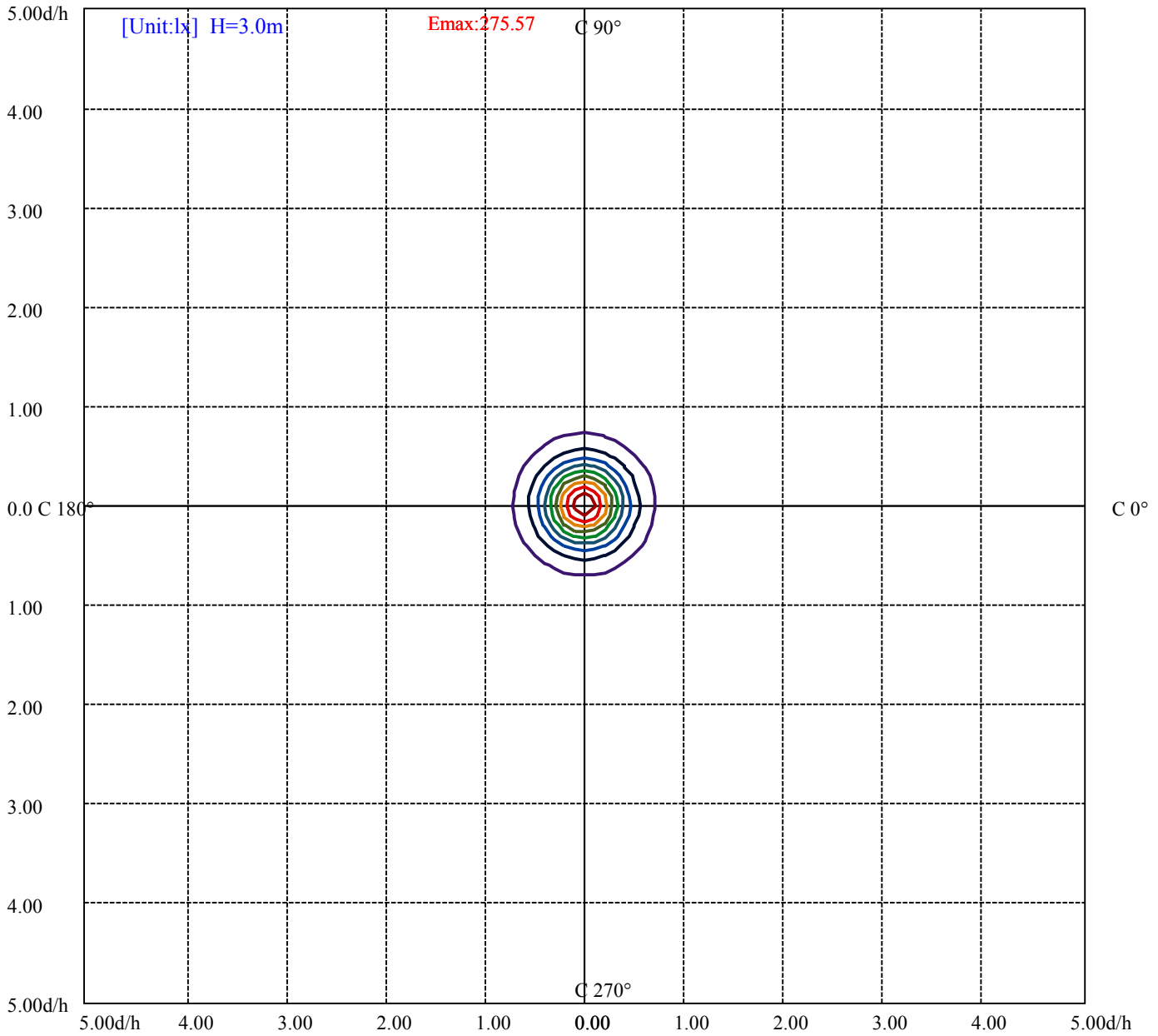


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角42.71

ROLED 水下灯
平面等照度曲线



- (10%Emax) 27.55733
- (20%Emax) 55.11467
- (30%Emax) 82.67189
- (40%Emax) 110.2292
- (50%Emax) 137.7867
- (60%Emax) 165.3433
- (70%Emax) 192.9011
- (80%Emax) 220.4589
- (90%Emax) 248.0155

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ROLED 水下灯

灯具的亮度限制曲线(灯具无发光侧边)

附页 第 5页 共8页

亮度值表

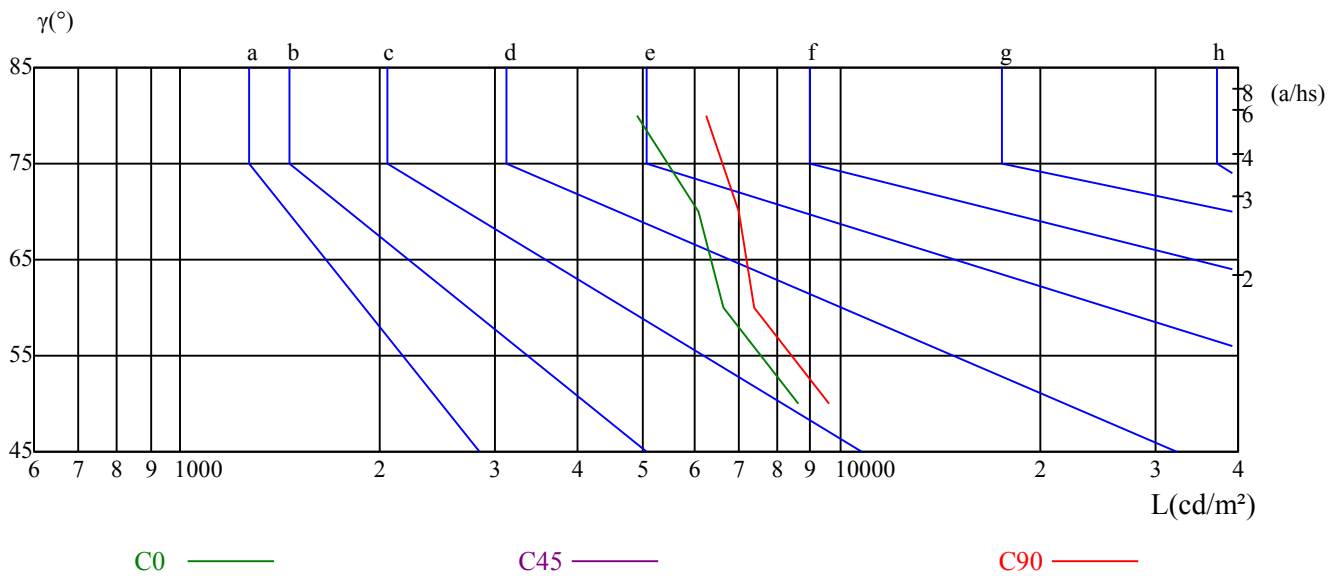
γ	45	50	55	60	65	70	75	80	85
C0	0	8634	0	6644	0	6071	0	4924	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9621	0	7414	0	7010	0	6269	0

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



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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	14.02	15.23	14.39	15.54	15.86	13.85	15.06	14.21	15.37	15.68
	3H	15.75	16.83	16.13	17.16	17.52	15.51	16.58	15.89	16.91	17.28
	4H	16.41	17.41	16.81	17.76	18.15	16.14	17.14	16.54	17.49	17.87
	6H	16.87	17.79	17.29	18.16	18.56	16.58	17.50	16.99	17.87	18.27
	8H	16.99	17.86	17.42	18.25	18.66	16.69	17.56	17.12	17.95	18.36
	12H	17.09	17.92	17.52	18.30	18.73	16.77	17.61	17.21	17.99	18.42
4H	2H	14.53	15.53	14.93	15.88	16.27	14.39	15.39	14.79	15.74	16.13
	3H	16.50	17.32	16.91	17.73	18.13	16.28	17.11	16.70	17.51	17.92
	4H	17.28	18.02	17.72	18.44	18.89	17.04	17.78	17.47	18.20	18.64
	6H	17.77	18.40	18.23	18.85	19.32	17.50	18.14	17.97	18.58	19.05
	8H	17.93	18.52	18.40	18.97	19.44	17.65	18.24	18.12	18.69	19.16
	12H	18.03	18.55	18.52	19.03	19.51	17.74	18.26	18.22	18.74	19.22
8H	4H	17.53	18.12	18.00	18.57	19.04	17.31	17.91	17.78	18.35	18.83
	6H	18.15	18.63	18.65	19.13	19.61	17.91	18.39	18.41	18.88	19.37
	8H	18.37	18.80	18.89	19.31	19.81	18.11	18.54	18.64	19.06	19.55
	12H	18.96	19.34	19.48	19.83	20.41	18.69	19.06	19.21	19.56	20.14
12H	4H	17.53	18.05	18.02	18.54	19.01	17.32	17.84	17.81	18.33	18.80
	6H	18.68	18.61	18.71	19.08	19.62	18.45	18.38	18.48	18.85	19.39
	8H	18.44	18.81	18.96	19.31	19.88	18.19	18.57	18.71	19.06	19.64
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-0.8					0.6/-0.8					
S = 1.5H	1.2/-1.0					1.2/-1.1					
S = 2.0H	2.4/-1.0					2.4/-1.2					
标准表格	BK3					BK3					
更正系数	2.8					2.3					

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	2470.18	2435.65	2368.89	2275.27	2174.74	2048.89	1906.93	1762.66	1616.86
30.0	2480.93	2465.58	2406.49	2326.68	2222.32	2105.68	1970.62	1829.42	1670.58
60.0	2479.39	2466.35	2413.40	2338.96	2235.37	2114.12	1986.74	1838.63	1692.06
90.0	2473.25	2478.62	2432.58	2355.84	2260.69	2154.02	2029.71	1890.81	1749.62
120.0	2474.02	2473.25	2423.37	2356.61	2265.29	2152.49	2029.71	1885.44	1733.50
150.0	2469.42	2470.18	2424.14	2348.94	2253.78	2147.12	2018.97	1878.54	1735.80
180.0	2470.18	2453.30	2395.75	2317.48	2213.11	2092.63	1968.32	1823.29	1669.81
210.0	2480.93	2452.53	2390.38	2312.10	2207.74	2089.56	1940.69	1794.13	1626.84
240.0	2479.39	2441.02	2373.49	2281.41	2177.81	2050.43	1906.93	1760.36	1611.49
270.0	2473.25	2420.30	2343.57	2246.11	2131.00	1995.94	1853.98	1711.25	1529.61
300.0	2474.02	2424.91	2354.31	2259.15	2153.26	2021.27	1872.40	1720.46	1567.75
330.0	2469.42	2418.77	2341.26	2250.71	2137.14	2008.99	1865.49	1712.78	1530.99
360.0	2470.18	2435.65	2368.89	2275.27	2174.74	2048.89	1906.93	1762.66	1616.86
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1455.71	1302.24	1157.20	1010.63	881.72	762.77	663.01	571.70	490.35
30.0	1511.73	1359.02	1194.80	1055.14	919.32	801.91	692.94	597.02	516.44
60.0	1528.08	1383.35	1226.27	1085.53	946.02	821.02	715.42	615.67	529.57
90.0	1596.91	1444.97	1276.91	1132.65	989.15	863.30	749.73	646.13	558.65
120.0	1530.45	1423.79	1263.71	1119.83	977.25	848.41	738.98	635.62	545.37
150.0	1578.49	1417.34	1256.96	1113.46	969.96	845.65	732.08	629.25	538.70
180.0	1518.41	1361.33	1201.86	1060.44	921.93	798.76	690.25	592.03	511.69
210.0	1478.35	1315.05	1152.83	1014.78	883.17	761.62	658.26	570.70	488.43
240.0	1447.27	1292.26	1146.46	998.36	870.97	754.33	653.04	563.25	482.68
270.0	1409.52	1253.74	1107.48	961.29	841.81	727.01	629.02	545.14	466.49
300.0	1405.07	1253.13	1111.16	969.20	847.18	733.61	635.39	547.91	468.87
330.0	1411.66	1257.58	1105.25	975.03	848.56	737.91	632.01	547.45	468.02
360.0	1455.71	1302.24	1157.20	1010.63	881.72	762.77	663.01	571.70	490.35
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	423.59	366.19	314.01	272.57	236.74	205.58	181.10	160.38	142.35
30.0	444.31	389.06	327.90	284.62	246.40	214.48	189.54	167.67	150.25
60.0	454.82	392.90	337.19	290.22	252.54	219.55	192.46	170.05	152.25
90.0	479.61	411.31	354.76	307.56	265.74	232.05	202.89	178.72	158.46
120.0	467.64	402.95	345.24	296.74	257.92	223.84	195.76	172.43	154.09
150.0	465.80	398.27	342.63	296.59	255.77	223.23	194.91	171.66	152.17
180.0	438.71	378.62	324.60	281.24	241.19	210.87	184.63	163.68	145.49
210.0	422.98	363.20	310.63	268.58	233.05	204.35	180.33	161.00	143.65
240.0	417.45	360.21	309.02	266.51	233.36	203.35	180.03	160.23	143.35
270.0	404.41	348.01	298.74	259.30	227.60	198.60	175.65	157.16	140.58
300.0	403.64	348.62	301.35	259.37	225.84	197.14	174.58	155.55	139.13
330.0	405.17	347.93	297.90	259.37	225.53	196.45	173.27	154.93	138.20
360.0	423.59	366.19	314.01	272.57	236.74	205.58	181.10	160.38	142.35
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	127.77	116.18	105.21	96.00	88.25	80.65	73.90	66.76	60.01
30.0	134.37	122.40	111.42	102.44	94.23	86.94	79.65	72.52	65.84
60.0	136.75	124.47	113.26	103.90	95.62	88.48	81.34	74.51	67.68
90.0	142.50	128.69	116.72	107.13	98.38	90.47	83.49	76.51	69.29
120.0	138.20	125.54	114.11	104.44	96.15	88.94	81.96	75.13	68.45
150.0	136.90	123.32	111.81	102.29	93.62	85.87	78.58	71.90	64.92
180.0	130.45	118.25	106.59	97.61	89.32	82.11	75.05	68.14	61.62
210.0	129.92	118.33	107.74	98.76	90.78	83.64	76.58	69.83	62.54
240.0	129.38	118.33	107.74	98.84	91.47	83.87	77.12	70.14	62.77
270.0	127.38	115.64	105.82	97.15	89.71	82.03	74.90	67.91	60.16
300.0	126.23	115.11	104.98	96.31	89.02	81.73	75.05	67.91	60.47
330.0	124.85	113.57	103.21	94.92	86.48	79.27	72.13	65.15	58.01
360.0	127.77	116.18	105.21	96.00	88.25	80.65	73.90	66.76	60.01

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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	52.87	45.81	38.22	31.23	24.71	16.42	9.21	2.53	0.84
30.0	58.17	50.95	43.05	35.84	28.47	19.88	11.51	4.14	1.23
60.0	60.62	52.72	44.66	37.22	29.62	21.49	13.12	5.45	1.46
90.0	61.77	54.64	46.50	38.98	31.46	23.79	14.73	7.14	1.61
120.0	61.31	53.64	45.58	37.91	30.46	22.94	14.20	6.68	1.53
150.0	57.86	50.95	43.13	35.99	28.62	21.72	13.35	5.83	1.46
180.0	54.71	47.12	39.52	32.77	26.01	18.26	10.90	3.68	1.00
210.0	55.25	47.35	39.67	32.46	24.94	16.42	8.82	2.46	0.77
240.0	54.94	47.04	39.44	32.15	25.02	16.19	8.59	2.15	0.61
270.0	52.72	44.43	37.14	29.70	22.18	14.27	6.68	1.38	0.38
300.0	52.87	45.28	37.99	30.93	23.87	15.04	7.37	1.46	0.46
330.0	50.49	43.28	35.91	29.24	21.95	14.43	7.29	1.53	0.46
360.0	52.87	45.81	38.22	31.23	24.71	16.42	9.21	2.53	0.84

C/γ(°)	90.0
0.0	0.15
30.0	0.38
60.0	0.38
90.0	0.46
120.0	0.46
150.0	0.38
180.0	0.38
210.0	0.15
240.0	0.15
270.0	0.15
300.0	0.15
330.0	0.15
360.0	0.15