

浙大三色

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ROLED

灯具名称: 水下灯

灯具描述: U1034A-18-12DC (60-OL-18WN-AJ, CT)

报告编号:

电压(V): 12.3000

测试编号: 20210318016

电流(A): 1.5110

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): 1836.80

灯具效能(lm/w): 98.22

中心光强(cd): 1817.146

最大光强(cd): 1830.959

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=53.2

[C90/270]Total=52.9

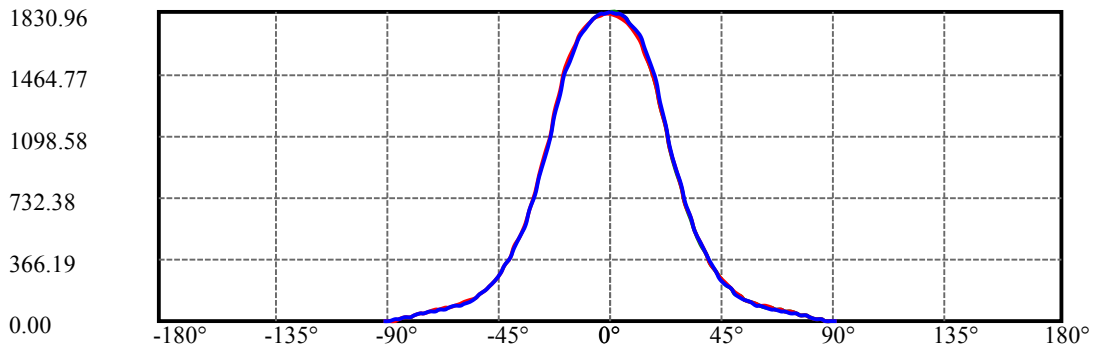
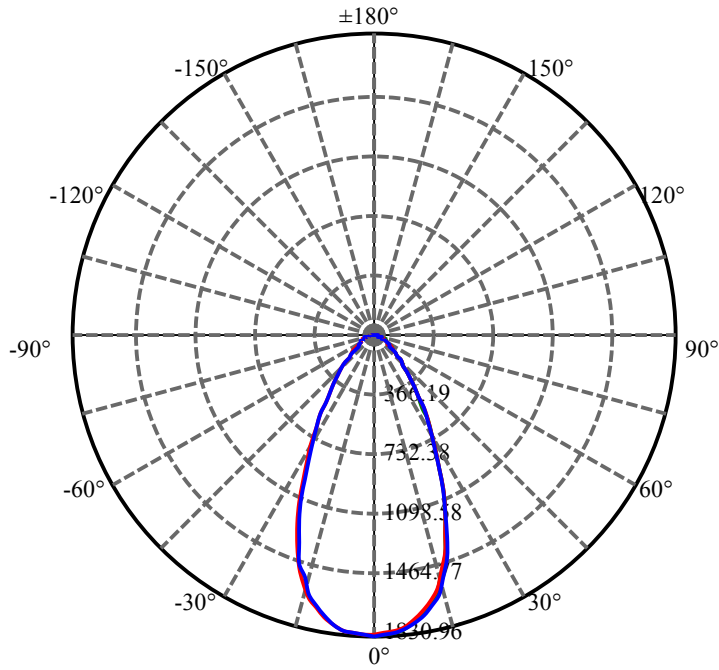
光束扩散角(10%Imax): [C0/180]Total=98.9

[C90/270]Total=98.2

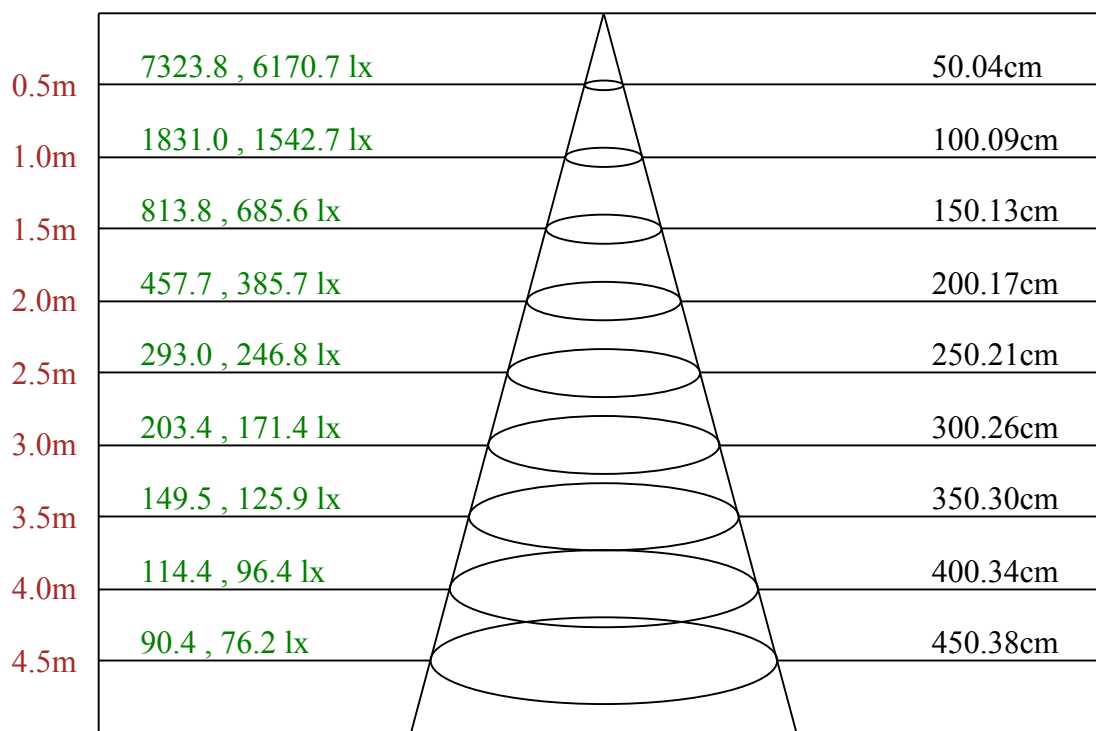
测试设备: GMS1800
环境温度(°C): 25.0

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

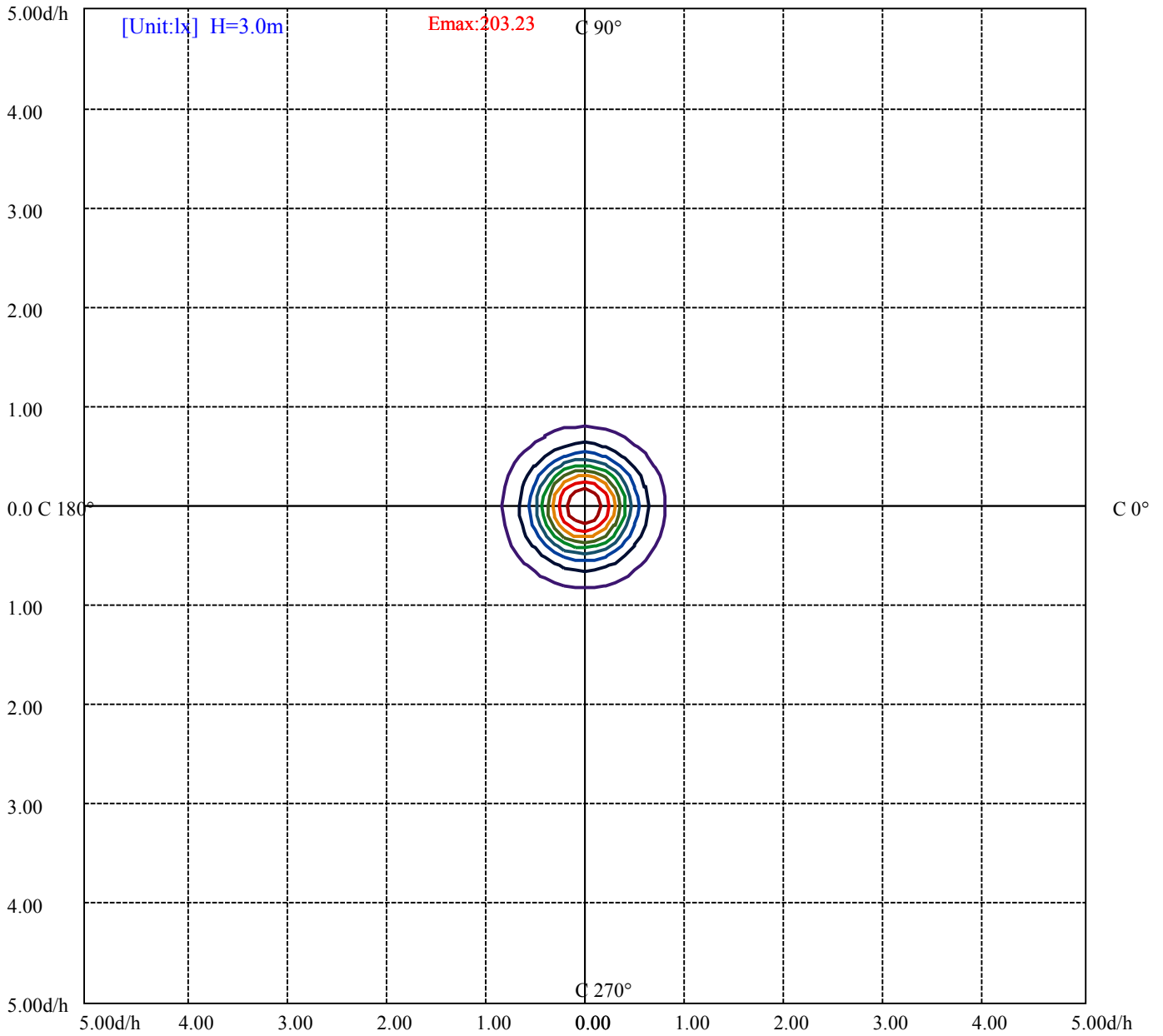


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角53.16

ROLED 水下灯
平面等照度曲线



(10%Emax) 20.32267	—
(20%Emax) 40.64534	—
(30%Emax) 60.968	—
(40%Emax) 81.29067	—
(50%Emax) 101.6133	—
(60%Emax) 121.9356	—
(70%Emax) 142.2589	—
(80%Emax) 162.5811	—
(90%Emax) 182.9044	—

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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

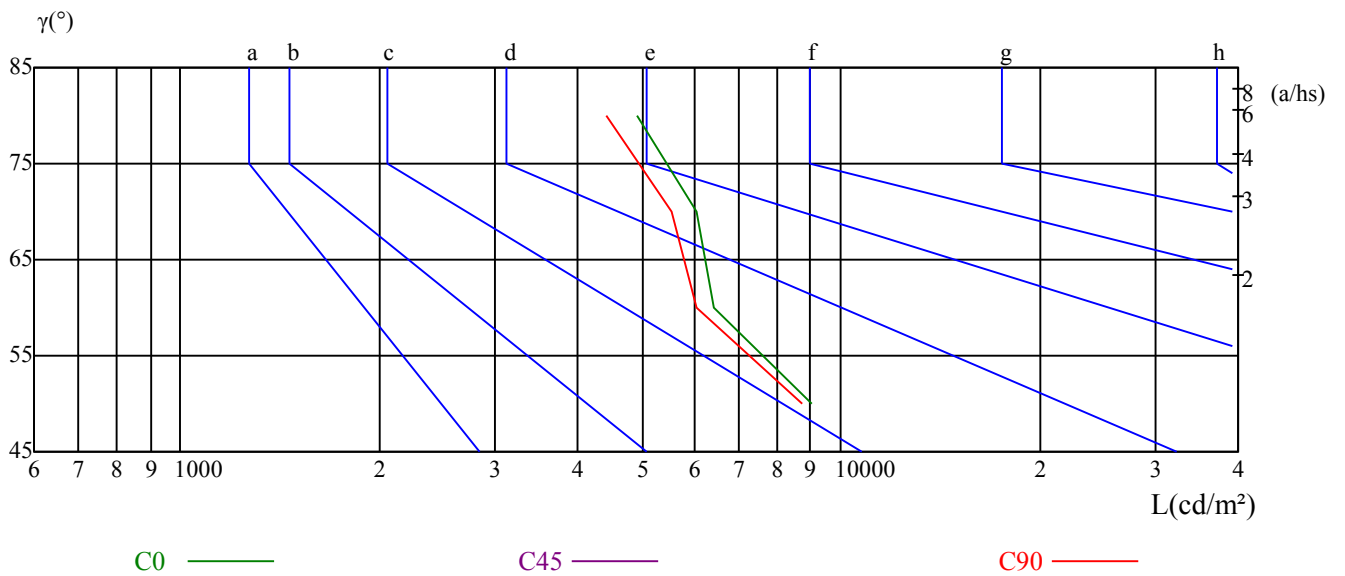
γ	45	50	55	60	65	70	75	80	85
C0	0	9063	0	6442	0	6063	0	4924	0
C45	0	0	0	0	0	0	0	0	0
C90	0	8762	0	6070	0	5559	0	4404	0

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	13.69	14.91	14.05	15.22	15.54	13.87	15.09	14.23	15.40	15.72
	3H	15.31	16.40	15.69	16.73	17.09	15.55	16.64	15.93	16.97	17.33
	4H	15.96	16.97	16.37	17.33	17.71	16.22	17.23	16.62	17.58	17.97
	6H	16.43	17.36	16.84	17.73	18.12	16.70	17.63	17.11	18.00	18.39
	8H	16.55	17.43	16.98	17.82	18.23	16.82	17.70	17.25	18.09	18.50
	12H	16.65	17.49	17.08	17.87	18.30	16.92	17.76	17.35	18.14	18.57
4H	2H	14.20	15.21	14.60	15.56	15.95	14.35	15.36	14.75	15.71	16.10
	3H	16.08	16.91	16.49	17.32	17.72	16.29	17.12	16.70	17.53	17.93
	4H	16.87	17.61	17.30	18.03	18.47	17.09	17.84	17.53	18.26	18.70
	6H	17.35	18.00	17.82	18.44	18.91	17.60	18.24	18.06	18.68	19.15
	8H	17.51	18.11	17.99	18.56	19.03	17.76	18.36	18.23	18.80	19.28
	12H	17.62	18.15	18.11	18.63	19.11	17.86	18.38	18.35	18.87	19.34
8H	4H	17.15	17.75	17.62	18.20	18.67	17.35	17.95	17.82	18.40	18.87
	6H	17.78	18.26	18.28	18.76	19.24	17.99	18.47	18.49	18.97	19.46
	8H	18.00	18.44	18.53	18.95	19.45	18.22	18.65	18.74	19.17	19.66
	12H	18.58	18.95	19.09	19.45	20.02	18.79	19.17	19.30	19.66	20.24
12H	4H	17.16	17.69	17.65	18.17	18.65	17.36	17.88	17.85	18.37	18.84
	6H	18.33	18.26	18.35	18.73	19.27	18.54	18.46	18.56	18.93	19.48
	8H	18.09	18.47	18.61	18.96	19.54	18.29	18.67	18.81	19.17	19.74
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-1.1					0.7/-1.0					
S = 1.5H	1.6/-1.3					1.4/-1.2					
S = 2.0H	3.1/-1.4					2.9/-1.3					
标准表格	BK3					BK3					
更正系数	1.8					2.1					

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	1817.15	1812.54	1801.80	1778.78	1748.85	1705.88	1652.16	1582.33	1496.38
30.0	1830.96	1825.59	1813.31	1794.89	1759.59	1717.39	1662.90	1596.14	1500.99
60.0	1827.12	1821.75	1811.01	1791.06	1758.83	1717.39	1663.67	1586.93	1497.69
90.0	1826.35	1822.52	1814.08	1796.43	1767.27	1730.43	1682.09	1618.40	1527.08
120.0	1823.29	1820.22	1816.38	1801.03	1772.64	1733.50	1688.23	1620.70	1527.62
150.0	1821.75	1820.98	1817.15	1807.17	1781.08	1746.55	1702.81	1649.09	1571.59
180.0	1817.15	1817.15	1812.54	1800.26	1776.48	1738.87	1698.20	1641.42	1565.45
210.0	1830.96	1830.19	1823.29	1811.01	1785.68	1746.55	1702.81	1648.32	1570.82
240.0	1827.12	1827.89	1821.75	1807.94	1785.68	1748.85	1702.04	1647.56	1573.89
270.0	1826.35	1824.05	1815.61	1800.26	1773.41	1733.50	1685.93	1627.60	1531.22
300.0	1823.29	1820.98	1812.54	1795.66	1767.27	1727.36	1677.48	1614.56	1535.52
330.0	1821.75	1814.84	1803.33	1784.92	1752.69	1711.25	1654.46	1588.47	1504.36
360.0	1817.15	1812.54	1801.80	1778.78	1748.85	1705.88	1652.16	1582.33	1496.38
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1388.95	1270.01	1149.53	1020.61	905.50	795.77	698.31	609.30	533.33
30.0	1392.79	1278.45	1147.23	1021.38	902.43	798.07	697.54	607.76	531.79
60.0	1384.27	1262.26	1129.19	1002.58	890.23	781.73	686.95	592.03	516.98
90.0	1418.11	1298.40	1162.57	1032.12	912.41	805.74	705.22	617.74	536.40
120.0	1436.91	1318.97	1187.05	1056.68	938.88	822.86	718.72	624.11	545.22
150.0	1477.97	1368.23	1229.34	1101.18	970.73	860.23	753.56	658.41	575.53
180.0	1477.74	1366.93	1237.62	1106.71	986.15	869.21	766.38	662.09	579.14
210.0	1481.11	1375.37	1244.91	1121.44	996.74	877.65	772.98	680.66	591.26
240.0	1474.90	1365.93	1248.52	1118.07	997.59	888.62	777.35	681.43	592.41
270.0	1454.10	1344.98	1212.22	1087.91	967.05	852.48	750.34	660.94	574.23
300.0	1429.62	1324.49	1199.41	1069.72	950.78	837.21	738.22	646.13	567.09
330.0	1402.23	1281.06	1147.61	1027.44	910.95	801.91	704.99	620.88	539.47
360.0	1388.95	1270.01	1149.53	1020.61	905.50	795.77	698.31	609.30	533.33
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	461.19	399.04	345.86	300.20	259.60	223.46	194.07	168.36	147.03
30.0	460.43	397.50	343.94	298.20	256.07	221.54	190.23	164.14	143.35
60.0	447.46	388.98	334.81	287.77	248.78	213.10	182.64	156.77	136.52
90.0	464.26	399.80	347.31	298.05	255.00	219.78	188.39	162.76	139.28
120.0	472.01	410.39	353.76	304.34	261.52	224.61	194.38	167.13	145.57
150.0	500.33	431.27	389.06	323.53	278.25	239.11	207.27	178.65	155.47
180.0	503.09	438.09	378.09	326.29	282.78	243.33	209.57	180.49	157.16
210.0	514.99	450.22	387.76	335.11	288.46	249.17	214.94	186.70	160.61
240.0	517.21	450.45	392.13	338.80	292.75	251.09	217.24	187.62	162.45
270.0	500.25	437.10	376.63	325.60	280.17	241.57	208.04	180.26	155.01
300.0	492.66	428.20	387.52	323.37	280.02	240.73	208.88	180.72	157.16
330.0	472.93	410.39	353.61	305.80	263.44	228.14	196.99	171.51	148.49
360.0	461.19	399.04	345.86	300.20	259.60	223.46	194.07	168.36	147.03
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	127.84	114.42	102.67	93.08	85.79	78.66	72.52	66.22	59.93
30.0	125.54	111.58	100.30	91.62	83.95	77.58	71.21	64.84	58.17
60.0	119.56	105.97	95.62	86.87	79.35	72.75	66.84	60.70	54.48
90.0	122.24	108.05	96.54	87.71	79.96	73.51	67.30	61.24	54.94
120.0	127.31	113.34	101.29	92.47	84.72	77.81	71.67	65.15	58.70
150.0	135.37	119.33	106.59	96.84	88.63	81.88	75.13	68.91	62.85
180.0	137.05	120.63	108.43	97.99	89.32	82.03	75.74	69.60	63.39
210.0	140.35	124.47	110.73	100.30	91.62	84.41	78.04	71.67	65.38
240.0	140.43	123.24	109.04	97.92	89.55	81.80	75.36	69.52	63.39
270.0	134.83	119.02	105.44	95.00	86.41	79.35	72.98	66.99	61.39
300.0	135.98	121.02	107.89	98.07	89.55	82.03	76.05	69.52	63.31
330.0	130.38	116.26	104.13	94.85	86.64	80.11	73.74	68.07	61.54
360.0	127.84	114.42	102.67	93.08	85.79	78.66	72.52	66.22	59.93

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	52.87	45.81	38.68	31.92	24.71	16.04	8.44	2.07	0.84
30.0	51.64	44.51	37.29	30.77	23.40	14.96	7.37	1.69	0.61
60.0	47.96	40.90	33.99	27.55	20.64	12.97	6.06	1.53	0.54
90.0	48.73	41.75	35.15	29.01	22.10	14.35	7.29	1.61	0.61
120.0	51.64	44.89	37.75	31.23	24.02	15.81	8.36	1.92	0.69
150.0	55.48	48.50	41.36	34.84	27.24	18.95	11.36	3.68	1.15
180.0	56.63	49.42	41.98	35.45	27.93	20.03	12.35	4.68	1.30
210.0	58.63	51.64	44.12	37.22	29.93	22.56	14.12	6.22	1.69
240.0	57.17	50.95	43.59	36.37	29.93	22.41	14.27	7.60	1.84
270.0	55.33	48.81	41.67	34.69	27.63	20.87	13.20	6.06	1.61
300.0	56.48	50.26	43.13	36.14	29.24	21.26	13.12	5.37	1.53
330.0	54.87	47.50	40.21	33.53	25.71	17.65	10.28	2.69	0.92
360.0	52.87	45.81	38.68	31.92	24.71	16.04	8.44	2.07	0.84

C/γ(°)	90.0
0.0	0.31
30.0	0.23
60.0	0.23
90.0	0.23
120.0	0.23
150.0	0.46
180.0	0.38
210.0	0.69
240.0	0.69
270.0	0.54
300.0	0.46
330.0	0.38
360.0	0.31