

浙大三色

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ROLED

灯具名称: 水下灯

灯具描述: U3153A-27-12DC(60-OL-27WN-AA, P1)

报告编号:

电压(V): 12.1000

测试编号: 20210326005

电流(A): 2.3000

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): 2591.09

灯具效能(lm/w): 92.54

中心光强(cd): 2529.271

最大光强(cd): 2672.003

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=53.9

[C90/270]Total=53.5

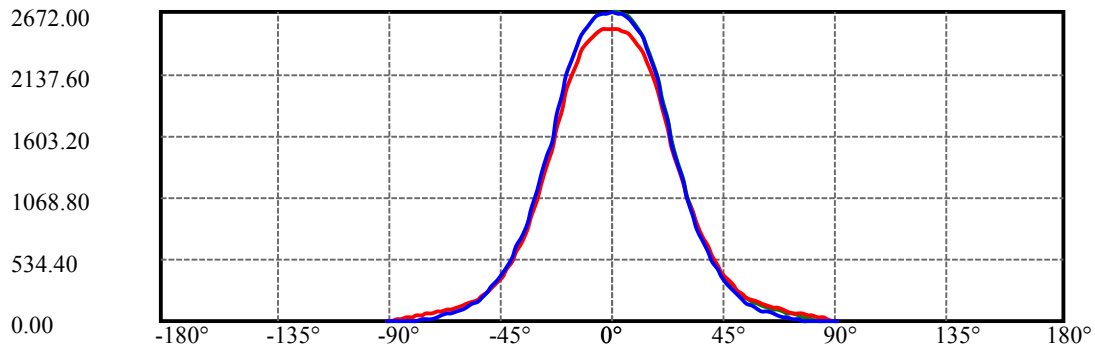
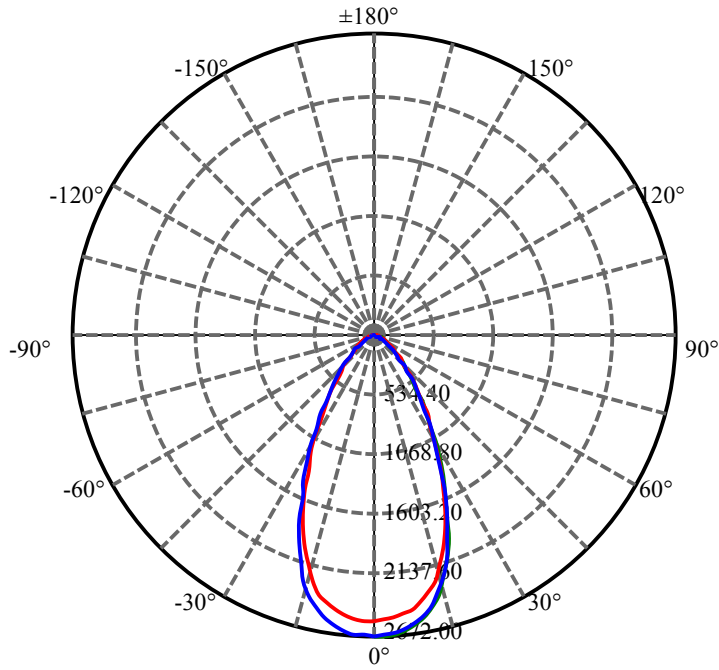
光束扩散角(10%Imax): [C0/180]Total=100.8

[C90/270]Total=97.2

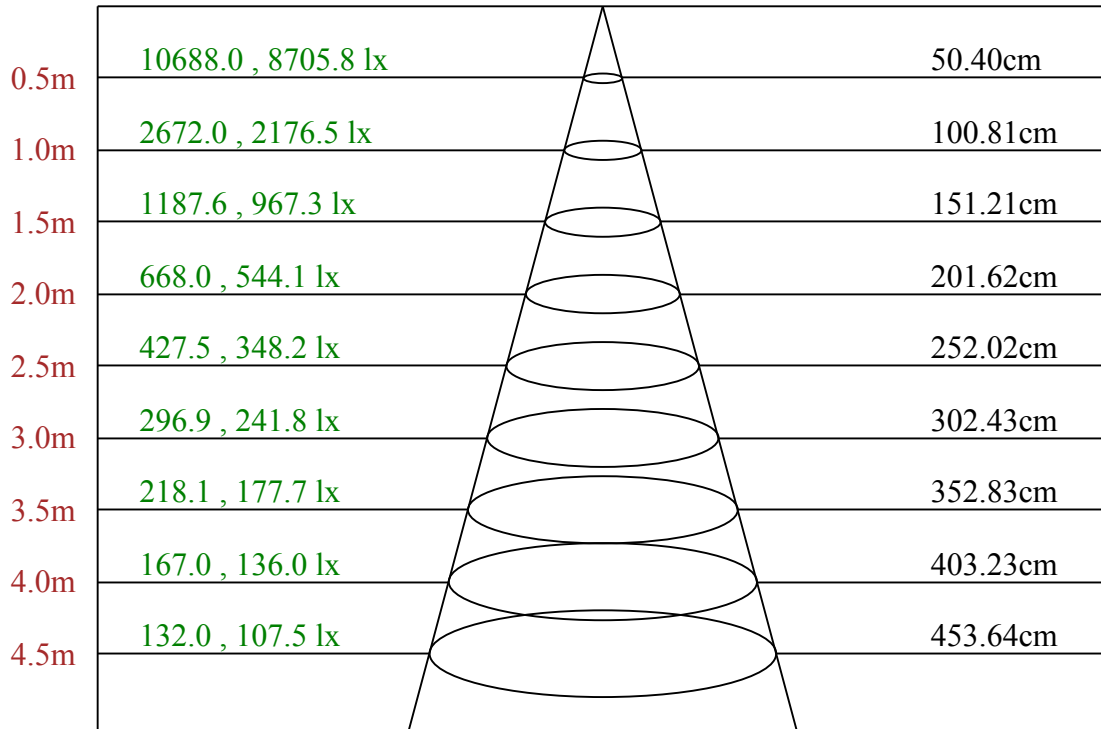
测试设备: GMS1800
环境温度(°C): 25.0

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

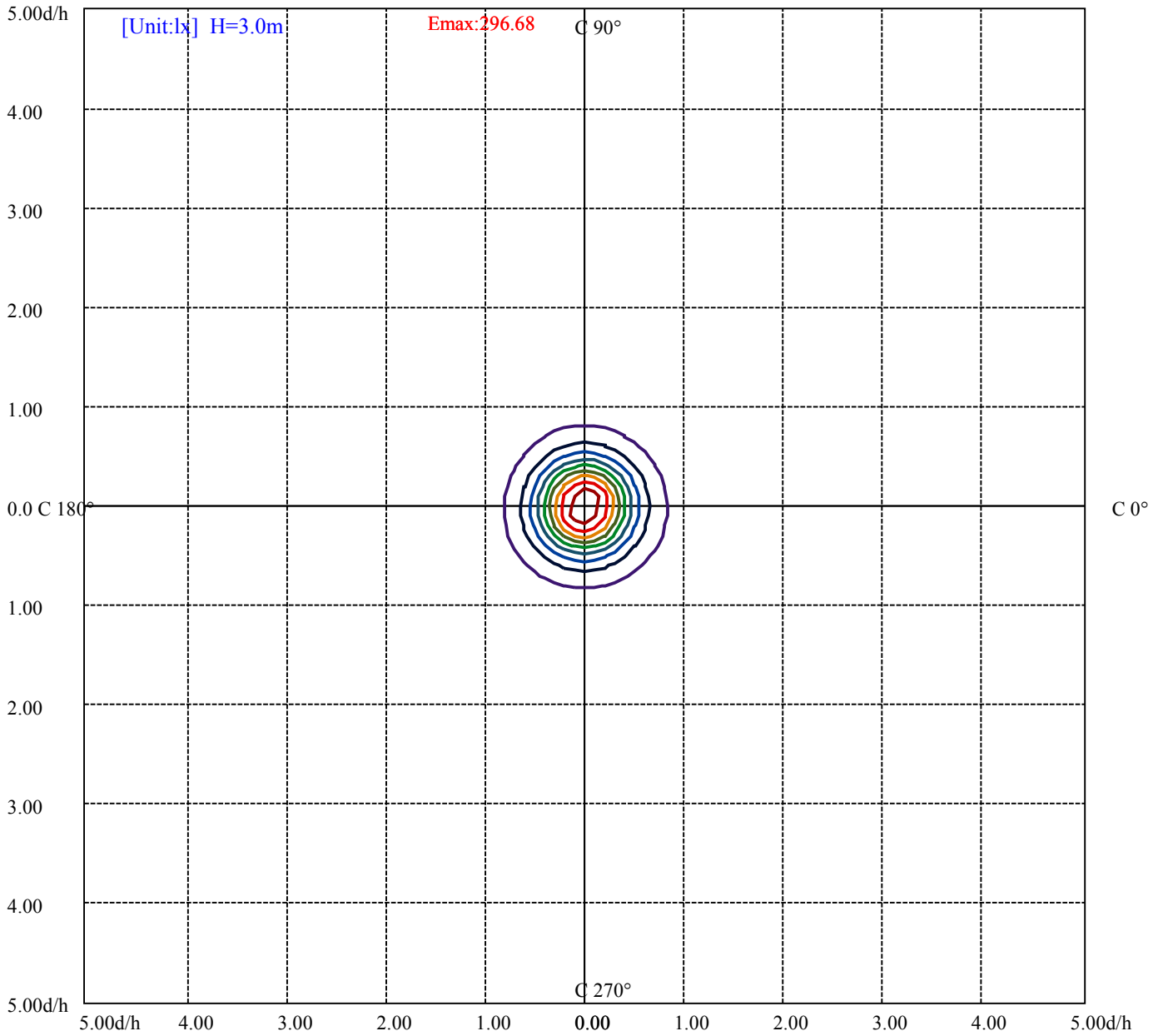


C30(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C30面光束角53.50

ROLED 水下灯
平面等照度曲线



(10%Emax) 29.66755	—
(20%Emax) 59.33522	—
(30%Emax) 89.00278	—
(40%Emax) 118.67	—
(50%Emax) 148.3378	—
(60%Emax) 178.0056	—
(70%Emax) 207.6733	—
(80%Emax) 237.3411	—
(90%Emax) 267.0089	—

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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

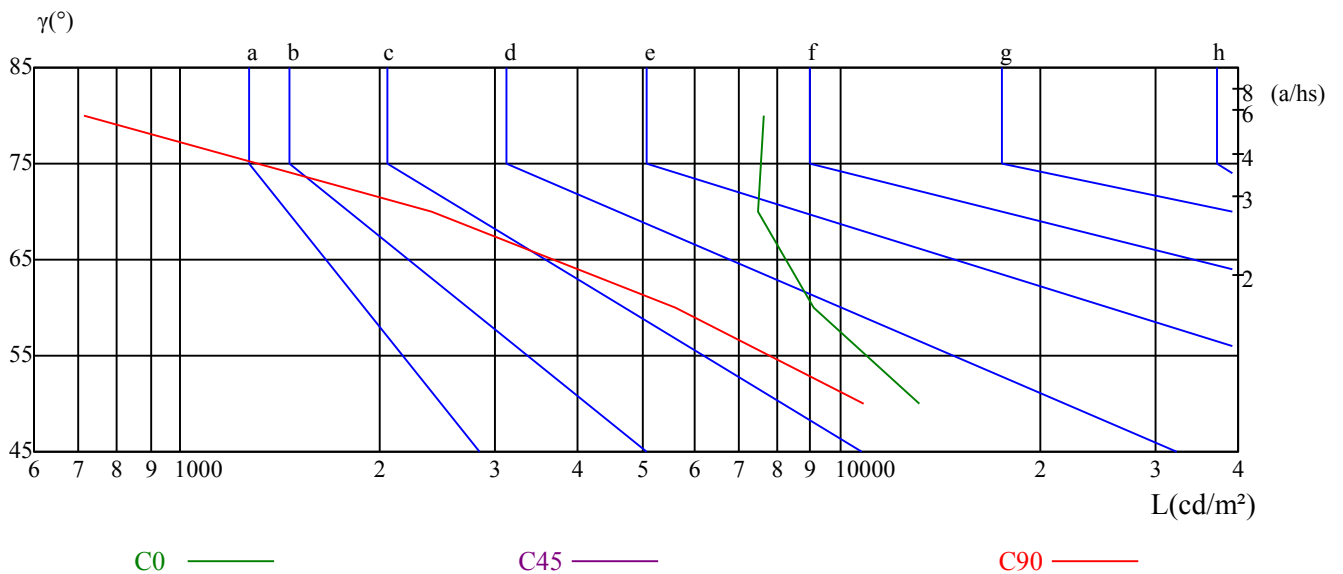
γ	45	50	55	60	65	70	75	80	85
C0	0	13197	0	9078	0	7488	0	7635	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10853	0	5612	0	2394	0	713	0

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	12.29	13.49	12.65	13.80	14.12	13.72	14.92	14.09	15.24	15.55
	3H	12.83	13.90	13.22	14.23	14.59	15.14	16.20	15.52	16.53	16.90
	4H	12.84	13.82	13.24	14.17	14.56	15.73	16.71	16.13	17.07	17.45
	6H	12.78	13.68	13.19	14.05	14.45	16.20	17.10	16.62	17.48	17.87
	8H	12.73	13.59	13.17	13.98	14.39	16.37	17.22	16.80	17.62	18.02
	12H	12.70	13.51	13.13	13.90	14.33	16.60	17.41	17.03	17.80	18.23
4H	2H	12.75	13.74	13.16	14.09	14.48	13.96	14.95	14.37	15.30	15.68
	3H	13.42	14.22	13.83	14.63	15.03	15.61	16.41	16.02	16.82	17.22
	4H	13.43	14.15	13.86	14.57	15.01	16.29	17.01	16.72	17.43	17.87
	6H	13.38	13.99	13.84	14.44	14.91	16.76	17.38	17.23	17.83	18.30
	8H	13.33	13.90	13.80	14.35	14.82	16.96	17.54	17.44	17.99	18.46
	12H	13.29	13.79	13.78	14.28	14.76	17.21	17.71	17.70	18.20	18.67
8H	4H	13.60	14.17	14.07	14.62	15.09	16.25	16.83	16.72	17.28	17.75
	6H	13.54	14.01	14.05	14.51	14.99	16.75	17.22	17.26	17.72	18.20
	8H	13.50	13.91	14.02	14.43	14.92	16.99	17.40	17.51	17.92	18.42
	12H	14.16	14.52	14.68	15.02	15.59	17.77	18.14	18.29	18.63	19.21
12H	4H	13.58	14.09	14.07	14.57	15.05	16.20	16.71	16.69	17.19	17.67
	6H	14.00	13.95	14.06	14.42	14.96	17.17	17.12	17.23	17.59	18.13
	8H	13.50	13.87	14.02	14.36	14.94	16.95	17.32	17.47	17.81	18.39
对应照射距离，改变观察者位置S											
S = 1.0H	1.4/-2.1					0.8/-1.1					
S = 1.5H	3.0/-3.5					1.7/-1.5					
S = 2.0H	5.3/-4.7					3.5/-1.7					
标准表格	BK1					BK2					
更正系数	0.3					2.7					

ROLED 水下灯

光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	2529.27	2523.13	2508.55	2484.76	2449.46	2395.75	2326.68	2236.90	2121.03
30.0	2672.00	2667.40	2656.66	2633.63	2598.34	2541.55	2464.04	2367.35	2237.67
60.0	2668.17	2660.49	2649.75	2625.96	2586.06	2523.13	2437.95	2332.82	2195.46
90.0	2665.10	2656.66	2647.45	2625.96	2586.06	2526.20	2448.70	2352.01	2223.09
120.0	2559.97	2553.06	2543.85	2519.30	2478.62	2416.47	2342.80	2248.41	2121.03
150.0	2556.90	2553.83	2545.39	2523.13	2485.53	2428.75	2356.61	2269.13	2147.12
180.0	2529.27	2529.27	2518.53	2495.51	2460.21	2407.26	2341.26	2241.51	2128.70
210.0	2672.00	2669.70	2658.19	2637.47	2593.73	2536.95	2458.67	2362.75	2233.06
240.0	2668.17	2668.17	2660.49	2642.08	2607.54	2551.53	2474.02	2379.63	2263.76
270.0	2665.10	2663.56	2658.19	2638.24	2601.40	2545.39	2478.62	2384.24	2258.39
300.0	2559.97	2561.50	2557.66	2542.32	2513.16	2462.51	2398.05	2306.73	2198.53
330.0	2556.90	2556.90	2549.22	2529.27	2494.74	2439.49	2368.89	2276.04	2160.93
360.0	2529.27	2523.13	2508.55	2484.76	2449.46	2395.75	2326.68	2236.90	2121.03
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1980.60	1836.33	1667.51	1493.31	1342.14	1192.50	1057.44	943.11	840.28
30.0	2090.33	1919.21	1736.57	1553.94	1379.74	1223.96	1075.86	944.64	821.09
60.0	2038.92	1862.42	1688.99	1516.49	1351.89	1191.27	1044.25	909.72	796.15
90.0	2068.85	1896.19	1718.15	1534.75	1358.26	1206.32	1057.44	920.08	798.07
120.0	1976.76	1810.24	1645.25	1483.49	1325.87	1170.33	1026.90	895.99	784.95
150.0	2012.83	1854.75	1681.32	1507.13	1343.68	1176.39	1021.38	879.41	749.73
180.0	1987.50	1824.82	1661.37	1499.07	1338.15	1181.22	1038.26	905.96	793.54
210.0	2084.19	1926.88	1746.55	1527.31	1407.75	1249.83	1102.26	972.72	844.27
240.0	2117.96	1966.78	1791.06	1606.12	1435.76	1280.75	1124.97	988.38	867.90
270.0	2120.26	1956.81	1769.57	1557.01	1430.39	1263.64	1120.37	978.86	848.72
300.0	2055.80	1913.84	1744.25	1565.45	1400.46	1249.29	1096.58	963.06	846.42
330.0	2019.73	1871.63	1698.97	1527.77	1378.36	1217.29	1073.64	944.49	834.37
360.0	1980.60	1836.33	1667.51	1493.31	1342.14	1192.50	1057.44	943.11	840.28
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	736.68	648.43	564.02	487.28	422.06	365.35	316.85	273.49	237.89
30.0	713.66	617.74	537.16	463.50	397.50	346.16	296.97	257.07	219.39
60.0	689.64	594.95	516.06	443.24	381.69	322.22	275.79	232.90	196.29
90.0	696.78	600.09	517.98	442.78	388.29	318.38	269.43	224.92	186.93
120.0	680.74	587.27	508.85	436.41	372.71	317.00	270.96	228.68	194.22
150.0	643.06	551.74	478.84	416.69	367.19	319.15	274.72	238.73	204.05
180.0	688.64	594.41	515.45	443.24	383.53	327.36	284.01	244.49	211.80
210.0	735.84	642.75	554.12	479.15	412.54	355.45	305.65	264.44	226.99
240.0	752.80	659.94	564.02	487.28	419.75	361.51	306.64	260.98	222.16
270.0	738.06	643.06	550.21	472.32	406.63	344.17	293.75	244.56	205.66
300.0	735.91	644.60	551.74	477.31	412.85	359.82	304.57	257.92	220.16
330.0	736.68	653.65	571.93	499.18	432.95	375.86	325.67	281.24	243.87
360.0	736.68	648.43	564.02	487.28	422.06	365.35	316.85	273.49	237.89
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	207.27	182.71	162.15	146.34	132.99	120.71	110.43	93.16	82.57
30.0	191.54	167.90	149.48	133.14	119.33	107.20	95.46	84.49	73.36
60.0	167.44	141.96	121.40	102.06	87.63	74.51	63.00	50.95	38.45
90.0	155.78	127.61	106.74	90.47	77.04	64.31	52.26	39.44	26.40
120.0	164.37	139.59	118.41	100.68	86.94	74.05	62.69	50.49	38.68
150.0	179.95	159.69	142.27	125.70	113.34	103.21	91.32	80.42	70.52
180.0	185.70	163.37	145.88	130.22	118.56	107.74	98.45	89.48	81.65
210.0	197.45	173.12	152.94	137.67	123.78	111.58	99.91	88.94	78.43
240.0	187.78	160.15	136.36	117.56	100.76	85.72	73.44	61.31	49.42
270.0	172.51	144.96	119.25	100.07	85.95	72.36	60.16	47.27	34.53
300.0	186.86	160.15	137.05	118.79	102.44	88.71	75.89	63.69	50.65
330.0	212.64	187.32	166.44	150.41	130.68	112.42	100.60	89.02	78.27
360.0	207.27	182.71	162.15	146.34	132.99	120.71	110.43	93.16	82.57

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	74.36	67.22	59.24	51.26	42.74	34.76	25.86	15.81	5.45
30.0	62.39	50.57	38.29	25.94	13.89	6.68	3.68	2.38	1.07
60.0	26.55	15.42	9.67	6.68	4.14	3.45	2.76	1.69	0.69
90.0	16.50	11.13	8.06	5.06	3.99	3.53	2.69	1.76	0.69
120.0	26.01	15.04	9.29	6.37	3.99	3.38	2.69	1.69	0.69
150.0	59.16	47.96	36.07	24.25	12.89	6.37	3.61	2.38	1.15
180.0	74.44	65.84	57.40	49.04	40.82	31.62	21.87	13.12	3.61
210.0	67.22	55.40	42.59	30.54	17.34	7.83	4.22	2.69	1.30
240.0	36.45	24.48	13.35	8.82	5.45	3.84	3.30	2.38	1.30
270.0	22.02	13.28	9.52	6.06	4.30	3.91	3.22	2.15	1.15
300.0	37.83	25.40	14.20	9.52	5.45	3.91	3.38	2.38	1.23
330.0	67.30	55.56	42.90	30.54	17.34	8.13	3.99	2.69	1.30
360.0	74.36	67.22	59.24	51.26	42.74	34.76	25.86	15.81	5.45

C/γ(°)	90.0
0.0	0.31
30.0	0.23
60.0	0.08
90.0	0.08
120.0	0.00
150.0	0.23
180.0	0.54
210.0	0.31
240.0	0.23
270.0	0.15
300.0	0.23
330.0	0.23
360.0	0.31