

浙大三色

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ROLED

灯具名称: 水下灯

灯具描述: U3153A-27-12DC(2515-OL-27WN-AA, P1)

报告编号:

电压(V): 12.1000

测试编号: 20210326006

电流(A): 2.2970

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): 2744.47

灯具效能(lm/w): 98.37

中心光强(cd): 14672.230

最大光强(cd): 15470.300

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=25.2

[C90/270]Total=12.2

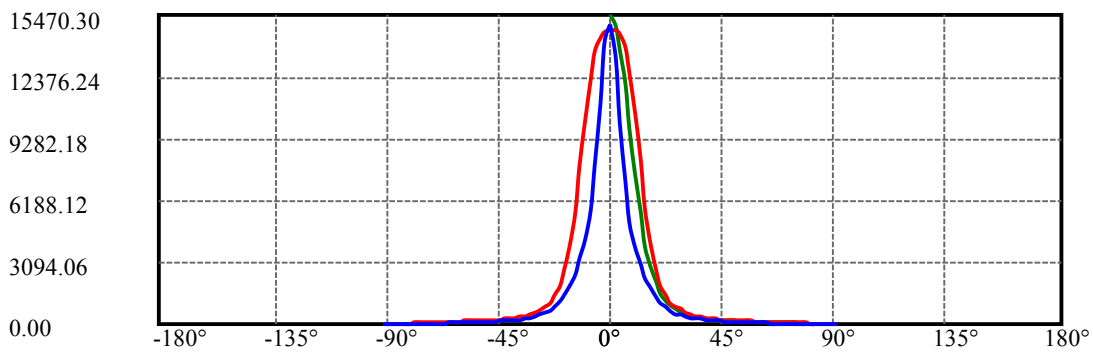
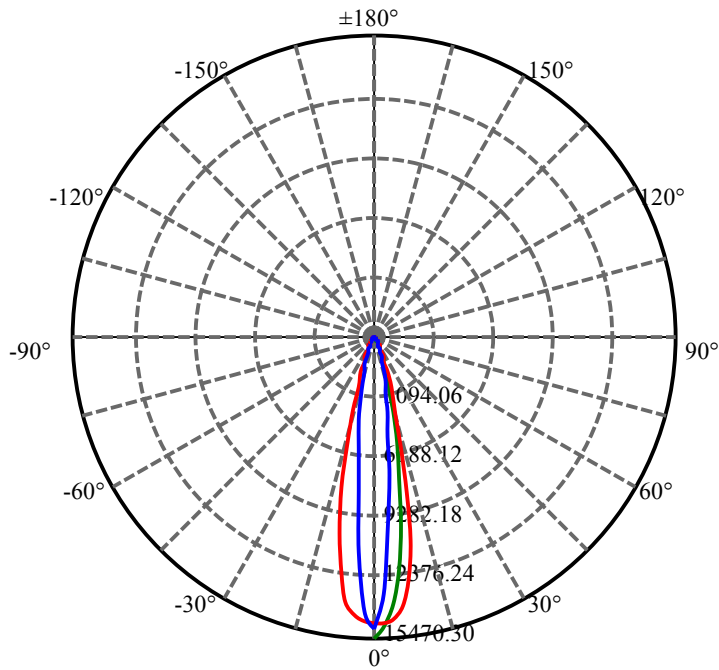
光束扩散角(10%Imax): [C0/180]Total=43.6

[C90/270]Total=35.3

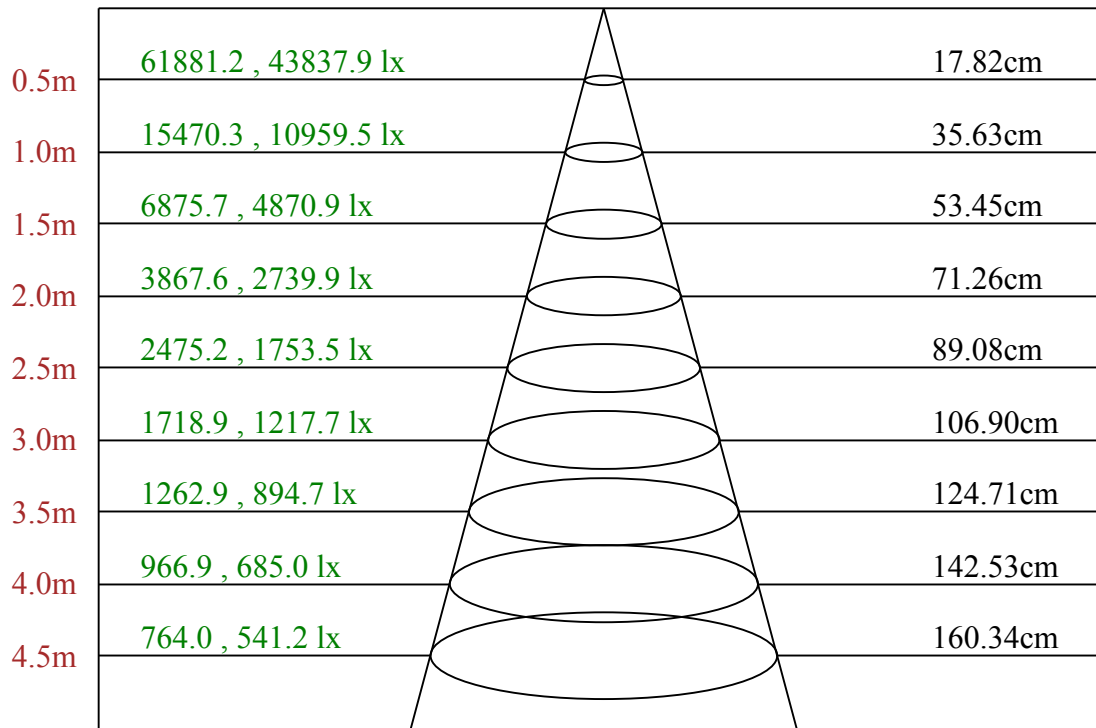
测试设备: GMS1800
环境温度(°C): 25.0

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

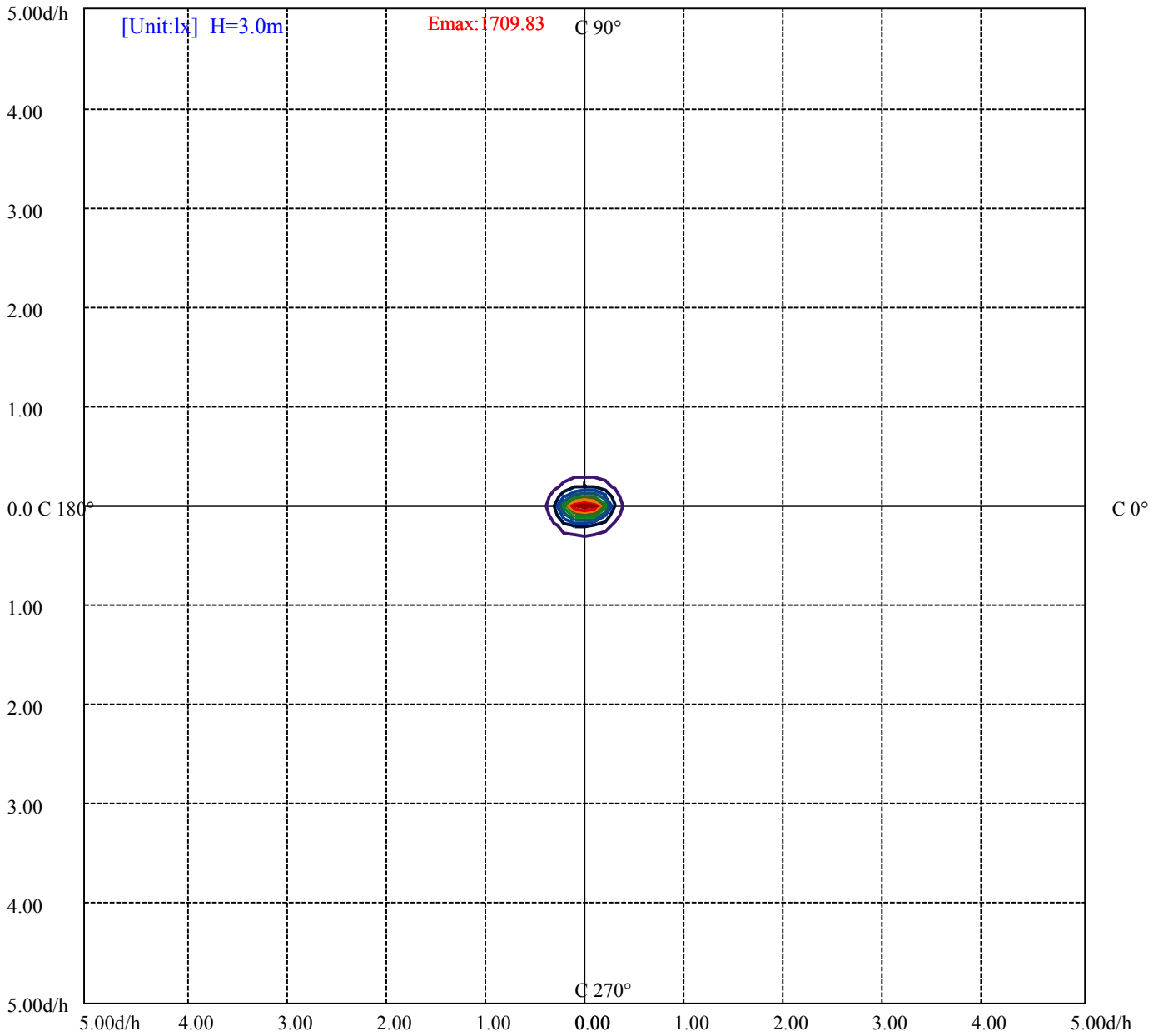


C30(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C30面光束角20.20

ROLED 水下灯
平面等照度曲线



(10%Emax) 170.9833	——
(20%Emax) 341.9667	——
(30%Emax) 512.9489	——
(40%Emax) 683.9323	——
(50%Emax) 854.9156	——
(60%Emax) 1025.899	——
(70%Emax) 1196.878	——
(80%Emax) 1367.867	——
(90%Emax) 1538.844	——

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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

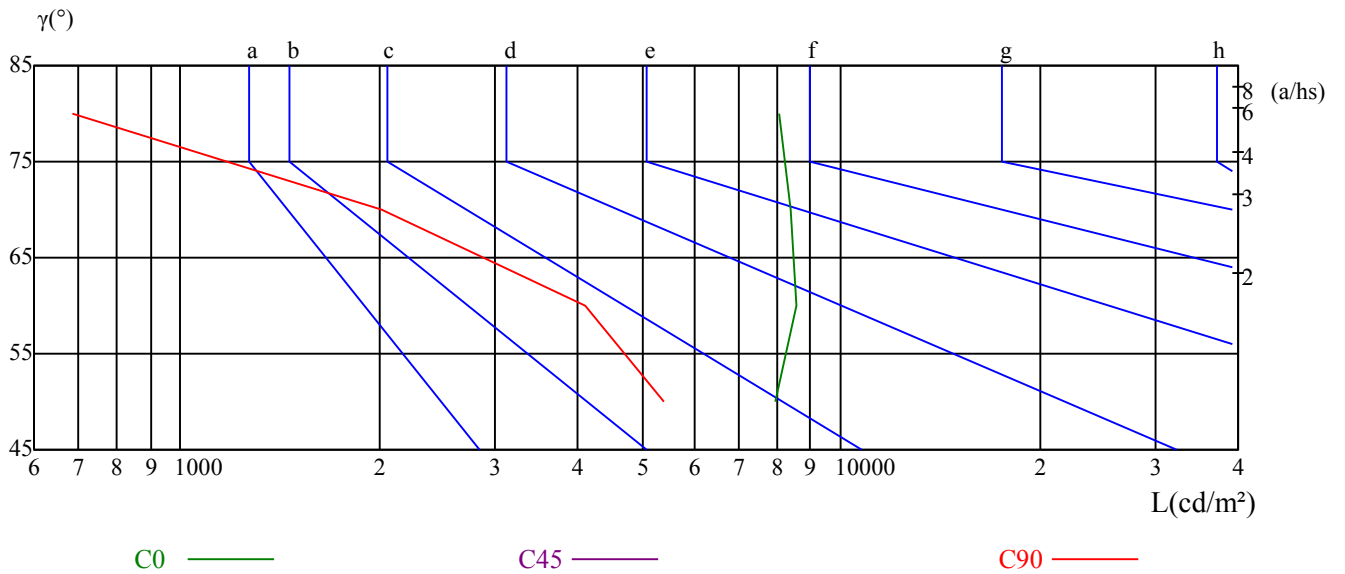
γ	45	50	55	60	65	70	75	80	85
C0	0	7987	0	8559	0	8413	0	8059	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5414	0	4113	0	2018	0	685	0

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	9.80	10.87	10.16	11.19	11.50	12.37	13.44	12.74	13.76	14.07
	3H	10.43	11.39	10.82	11.72	12.09	14.46	15.41	14.84	15.74	16.11
	4H	10.45	11.34	10.86	11.69	12.08	15.21	16.09	15.62	16.45	16.84
	6H	10.40	11.21	10.81	11.58	11.98	15.77	16.58	16.19	16.95	17.35
	8H	10.36	11.12	10.79	11.51	11.92	15.98	16.74	16.42	17.14	17.55
	12H	10.32	11.05	10.76	11.44	11.87	16.28	17.01	16.72	17.40	17.83
4H	2H	10.61	11.50	11.02	11.85	12.24	12.65	13.53	13.06	13.89	14.27
	3H	11.30	12.02	11.71	12.43	12.84	14.94	15.66	15.35	16.07	16.48
	4H	11.32	11.97	11.75	12.39	12.84	15.76	16.41	16.20	16.83	17.28
	6H	11.27	11.82	11.74	12.27	12.74	16.31	16.86	16.78	17.31	17.78
	8H	11.22	11.74	11.69	12.19	12.66	16.55	17.07	17.03	17.52	17.99
	12H	11.19	11.64	11.68	12.12	12.60	16.87	17.32	17.36	17.81	18.29
8H	4H	11.64	12.16	12.12	12.61	13.08	15.70	16.22	16.17	16.67	17.14
	6H	11.59	12.01	12.10	12.51	12.99	16.26	16.67	16.77	17.18	17.66
	8H	11.55	11.92	12.08	12.44	12.94	16.54	16.90	17.07	17.43	17.92
	12H	12.25	12.57	12.77	13.07	13.64	17.43	17.75	17.95	18.24	18.82
12H	4H	11.64	12.08	12.13	12.57	13.05	15.64	16.09	16.13	16.58	17.06
	6H	11.94	11.96	12.13	12.43	12.98	16.55	16.57	16.74	17.04	17.59
	8H	11.58	11.89	12.10	12.39	12.97	16.50	16.81	17.02	17.31	17.89
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.7					0.3/-0.5					
S = 1.5H	0.8/-1.8					1.0/-0.5					
S = 2.0H	2.9/-2.9					1.3/-0.6					
标准表格	BK3					BK2					
更正系数	-2.6					0.8					

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	14672.23	14679.14	14513.38	13878.76	12561.18	10609.74	8134.95	5861.22	4064.02
30.0	15470.30	14917.79	13743.70	11963.39	9753.35	7451.22	5532.78	3944.31	2855.41
60.0	15306.85	13766.73	10964.27	8257.73	5918.77	4334.91	3302.02	2489.37	1920.74
90.0	14987.62	13213.45	10114.78	7151.94	5126.84	3889.06	2984.33	2327.45	1792.59
120.0	14897.07	13100.64	10221.45	7460.43	5444.53	4037.93	3121.69	2380.40	1837.10
150.0	14957.69	14205.66	12729.23	10721.78	8410.44	6340.83	4600.42	3381.83	2487.83
180.0	14672.23	14615.44	14362.21	13686.92	12253.46	10203.80	7858.70	5697.00	3892.13
210.0	15470.30	15294.57	14389.07	12719.26	10509.21	8037.50	5947.93	4188.34	2963.61
240.0	15306.85	14910.12	12746.12	9668.94	7121.25	5087.70	3898.27	2832.38	2183.95
270.0	14987.62	14072.91	11019.52	7965.36	5743.04	4262.77	3239.09	2485.53	1894.65
300.0	14897.07	14580.14	12477.53	9397.29	6841.92	4879.74	3586.72	2729.56	2115.66
330.0	14957.69	14912.42	13949.36	12205.88	9784.04	7205.66	5109.96	3655.78	2607.54
360.0	14672.23	14679.14	14513.38	13878.76	12561.18	10609.74	8134.95	5861.22	4064.02
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2727.25	1926.88	1414.27	1097.35	877.88	722.87	596.25	501.10	424.36
30.0	2085.73	1562.38	1197.87	953.85	764.31	619.27	514.91	428.20	375.63
60.0	1469.22	1147.99	895.22	716.73	573.77	467.18	391.36	330.43	283.85
90.0	1385.88	1065.89	832.60	654.57	527.95	437.40	389.06	316.08	273.72
120.0	1437.76	1132.42	886.32	714.43	577.83	475.77	399.88	342.56	300.66
150.0	1883.14	1464.92	1140.32	906.27	732.08	603.92	495.72	416.69	350.61
180.0	2708.07	1900.79	1417.57	1096.04	881.10	715.81	591.49	497.95	419.91
210.0	2132.54	1524.93	1229.57	965.13	772.90	624.11	518.59	431.73	364.50
240.0	1662.14	1289.19	1013.70	789.63	630.02	508.00	419.75	355.30	305.34
270.0	1486.56	1139.17	861.76	674.52	534.17	434.03	353.45	298.43	255.31
300.0	1623.77	1266.94	999.89	785.03	636.15	519.51	435.87	388.29	325.44
330.0	1943.00	1512.81	1169.33	940.34	762.46	622.27	520.28	443.39	378.39
360.0	2727.25	1926.88	1414.27	1097.35	877.88	722.87	596.25	501.10	424.36
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	375.94	317.54	276.79	244.87	218.47	197.29	178.65	165.52	155.01
30.0	310.25	267.28	232.82	207.19	185.94	169.21	156.85	146.95	139.43
60.0	247.33	219.85	196.68	178.72	163.30	150.48	140.05	130.07	121.25
90.0	245.18	221.23	200.67	170.89	148.49	134.90	123.24	112.19	102.14
120.0	264.97	238.04	215.10	195.68	177.80	153.32	137.82	127.84	119.86
150.0	299.66	259.83	230.60	206.73	188.85	175.42	163.30	154.17	146.57
180.0	361.43	311.94	272.65	240.96	215.94	194.91	177.95	165.60	156.16
210.0	311.25	268.43	233.74	208.57	187.55	170.59	158.46	148.64	141.81
240.0	263.52	232.05	206.19	186.78	170.66	156.85	146.11	136.82	128.08
270.0	224.76	202.51	182.79	168.13	154.55	142.12	130.61	120.40	110.12
300.0	284.39	253.62	228.29	208.65	191.38	176.27	148.10	135.06	126.77
330.0	327.52	288.00	253.54	227.07	205.35	188.39	174.58	163.76	154.47
360.0	375.94	317.54	276.79	244.87	218.47	197.29	178.65	165.52	155.01
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	149.10	145.65	142.12	137.97	131.99	125.01	116.49	107.36	92.78
30.0	133.98	130.07	125.77	120.55	113.80	105.44	96.38	86.56	76.12
60.0	113.19	105.21	96.77	88.09	76.43	61.85	48.96	39.37	30.31
90.0	93.70	84.33	75.66	66.30	55.86	47.42	38.75	30.54	22.25
120.0	111.65	103.06	94.69	86.64	75.59	60.78	49.50	40.13	31.16
150.0	140.97	136.90	131.37	122.17	110.89	102.29	92.47	82.95	74.51
180.0	150.64	147.41	145.03	140.97	133.98	125.31	115.72	100.60	91.55
210.0	136.52	132.83	128.69	123.62	117.41	109.27	100.60	90.70	79.96
240.0	120.55	113.34	105.82	97.23	89.94	78.66	63.16	48.11	37.91
270.0	100.76	93.08	83.87	75.66	63.77	52.64	44.05	35.45	26.40
300.0	118.71	111.81	104.13	96.77	88.71	77.81	62.85	48.11	38.68
330.0	147.41	142.19	136.75	130.99	117.49	106.20	97.46	88.09	78.35
360.0	149.10	145.65	142.12	137.97	131.99	125.01	116.49	107.36	92.78

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	82.65	73.44	63.77	53.79	45.12	37.52	29.39	19.34	8.21
30.0	65.38	52.57	33.00	19.72	11.28	6.14	3.61	2.30	1.00
60.0	21.26	12.12	7.98	5.91	3.91	3.30	2.69	1.76	0.61
90.0	14.66	10.13	7.75	4.99	3.84	3.53	2.84	1.84	0.69
120.0	22.18	12.66	8.59	6.37	3.91	3.38	2.76	1.69	0.69
150.0	61.85	50.11	31.00	19.26	10.74	6.06	3.38	2.30	1.00
180.0	82.80	72.13	62.77	53.64	44.28	34.69	25.94	15.65	6.37
210.0	69.52	58.40	39.90	24.02	13.43	6.75	4.14	2.53	1.23
240.0	28.39	19.26	10.74	7.75	5.22	3.61	3.22	2.30	1.15
270.0	17.96	11.36	8.59	5.68	3.91	3.68	3.07	2.07	1.07
300.0	29.08	20.18	10.90	7.75	4.99	3.61	3.07	2.23	1.07
330.0	68.30	57.02	38.37	23.71	12.82	6.83	3.84	2.46	1.15
360.0	82.65	73.44	63.77	53.79	45.12	37.52	29.39	19.34	8.21

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