

浙大三色

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ROLED

灯具名称: 水下灯

灯具描述: U3153A-27-12DC(5015-OL-27WN-AA, P1)

报告编号:

电压(V): 12.2000

测试编号: 20210326007

电流(A): 2.2900

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): 2876.60

灯具效能(lm/w): 103.10

中心光强(cd): 8400.466

最大光强(cd): 8568.521

最大光强角度: C=90.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=53.1

[C90/270]Total=11.8

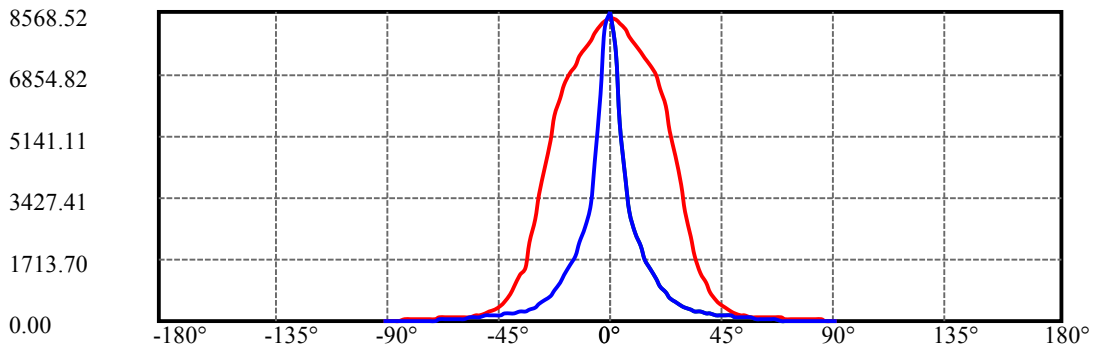
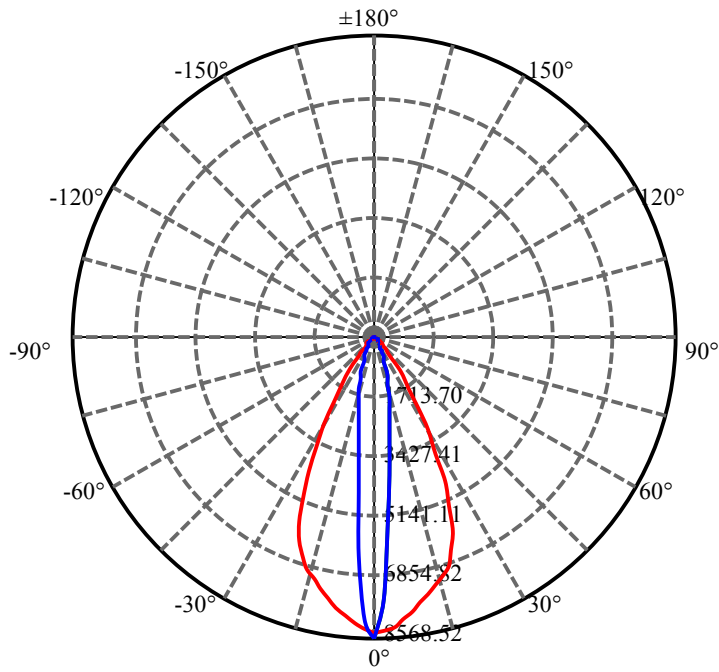
光束扩散角(10%Imax): [C0/180]Total=78.5

[C90/270]Total=43.1

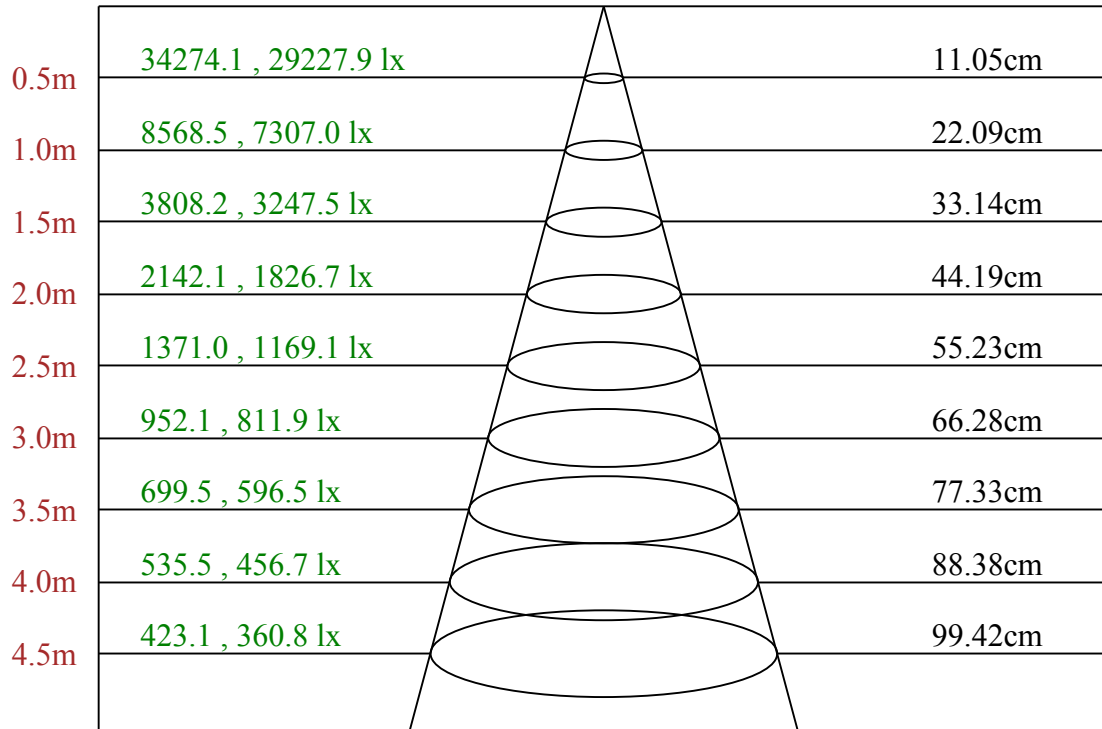
测试设备: GMS1800
环境温度(°C): 25.0

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

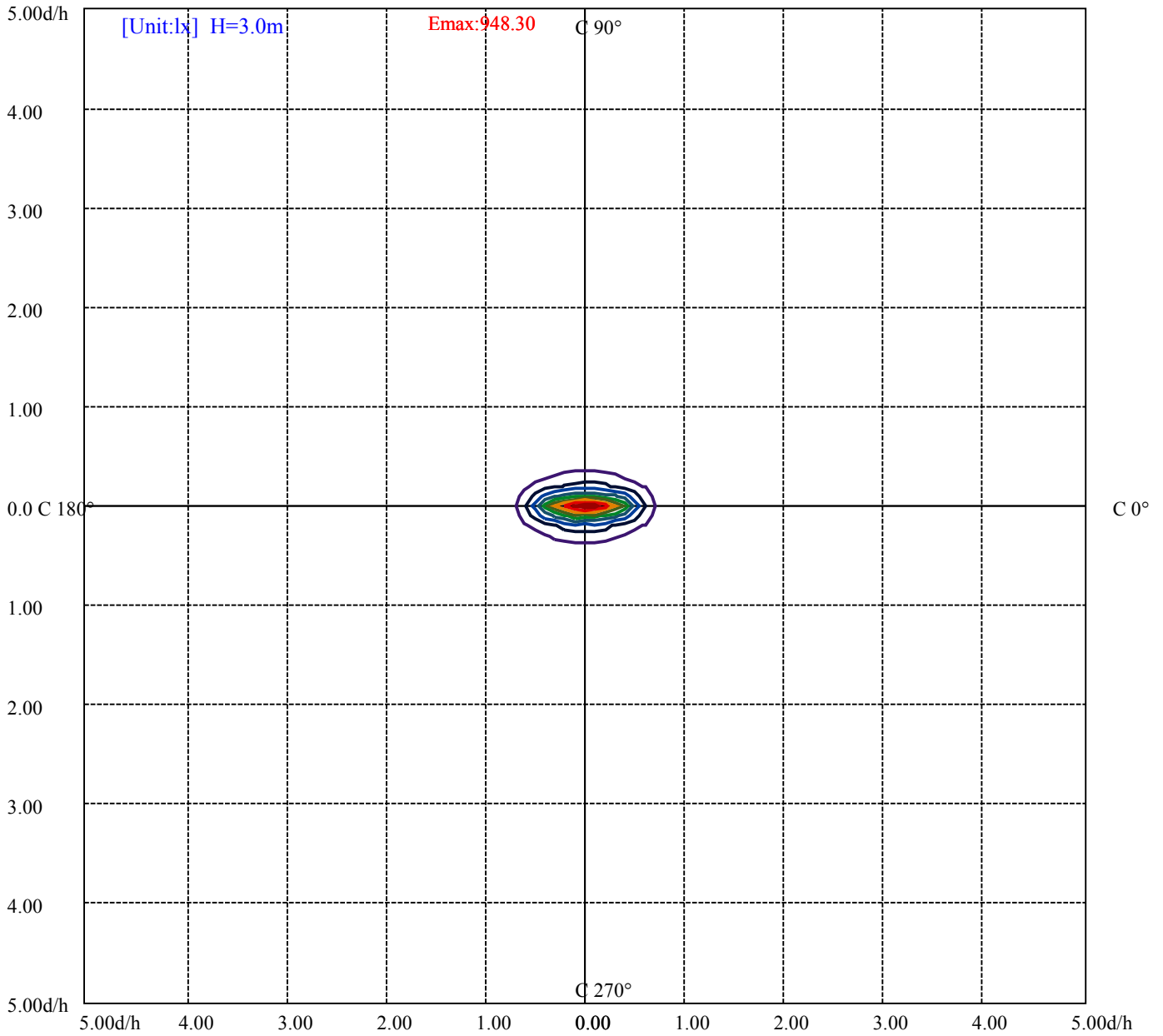


C90(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C90面光束角12.61

ROLED 水下灯
平面等照度曲线



- (10%Emax) 94.82999
- (20%Emax) 189.66
- (30%Emax) 284.49
- (40%Emax) 379.32
- (50%Emax) 474.15
- (60%Emax) 568.98
- (70%Emax) 663.81
- (80%Emax) 758.64
- (90%Emax) 853.47

ROLED 水下灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

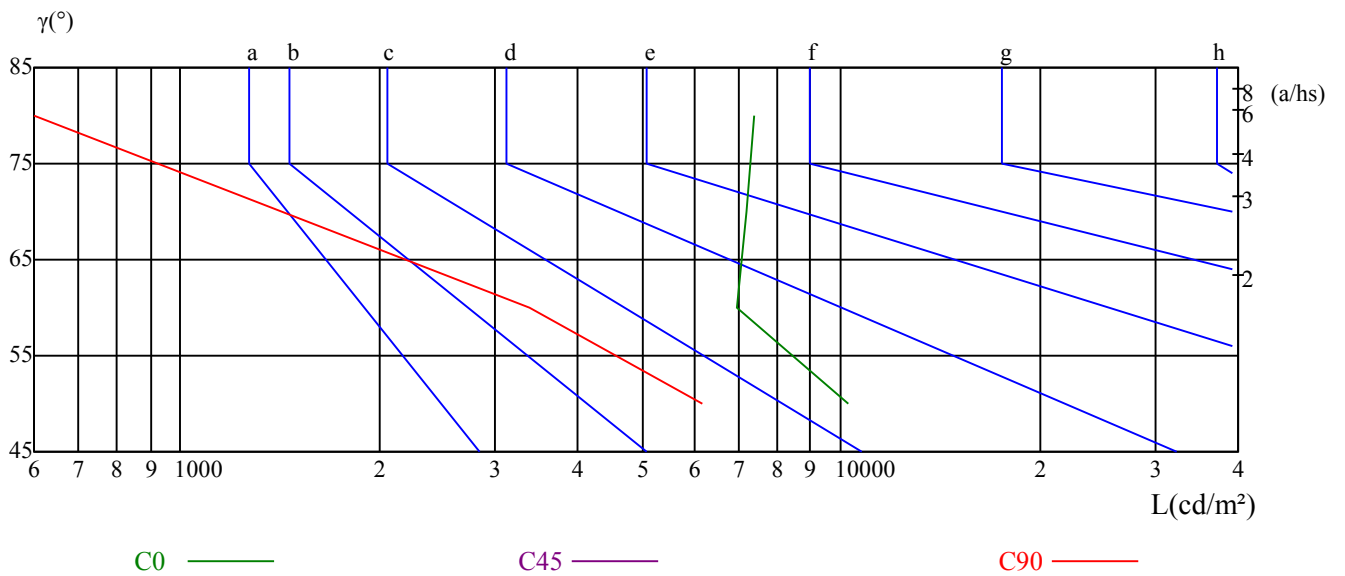
γ	45	50	55	60	65	70	75	80	85
C0	0	10301	0	6964	0	7203	0	7402	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6191	0	3385	0	1420	0	521	0

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	9.06	10.12	9.42	10.43	10.75	11.16	12.22	11.53	12.54	12.85
	3H	9.47	10.41	9.85	10.74	11.11	13.01	13.95	13.39	14.28	14.65
	4H	9.45	10.32	9.85	10.67	11.06	13.75	14.62	14.16	14.97	15.36
	6H	9.37	10.17	9.79	10.54	10.94	14.37	15.16	14.78	15.54	15.93
	8H	9.33	10.08	9.77	10.47	10.88	14.62	15.37	15.05	15.76	16.17
	12H	9.29	10.01	9.73	10.39	10.82	14.98	15.69	15.41	16.07	16.51
4H	2H	9.62	10.49	10.03	10.85	11.23	11.37	12.23	11.77	12.59	12.98
	3H	10.14	10.85	10.55	11.25	11.66	13.39	14.10	13.80	14.51	14.91
	4H	10.11	10.74	10.55	11.17	11.61	14.20	14.83	14.64	15.26	15.70
	6H	10.04	10.58	10.51	11.03	11.51	14.80	15.35	15.27	15.80	16.27
	8H	9.99	10.49	10.46	10.94	11.42	15.10	15.61	15.58	16.06	16.53
	12H	9.95	10.39	10.44	10.87	11.35	15.49	15.93	15.98	16.42	16.89
8H	4H	10.32	10.83	10.80	11.28	11.75	14.12	14.62	14.59	15.07	15.55
	6H	10.25	10.66	10.76	11.16	11.64	14.74	15.14	15.25	15.65	16.13
	8H	10.21	10.56	10.74	11.09	11.58	15.07	15.43	15.60	15.95	16.45
	12H	10.84	11.15	11.36	11.65	12.22	15.97	16.28	16.50	16.78	17.36
12H	4H	10.31	10.75	10.80	11.24	11.72	14.06	14.50	14.55	14.99	15.46
	6H	10.58	10.61	10.78	11.08	11.63	15.01	15.04	15.21	15.51	16.06
	8H	10.22	10.53	10.74	11.03	11.61	15.03	15.34	15.55	15.84	16.42
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-1.1					3.4/-2.0					
S = 1.5H	1.1/-2.7					5.3/-2.1					
S = 2.0H	3.4/-4.1					6.9/-2.1					
标准表格	BK2					BK2					
更正系数	-3.6					2.0					

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光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	8400.47	8377.44	8262.34	8086.61	7882.49	7669.92	7473.47	7279.33	7063.70
30.0	8562.38	8150.30	7377.55	6381.50	5361.66	4446.94	3740.96	3130.13	2655.89
60.0	8507.13	7467.34	5775.27	4318.79	3311.23	2706.54	2268.36	1910.00	1583.10
90.0	8568.52	7475.78	5498.25	3945.08	3011.95	2445.63	2065.01	1725.06	1438.83
120.0	8488.71	7272.42	5537.39	4182.97	3221.44	2649.75	2225.39	1871.63	1528.61
150.0	8537.83	8035.96	7097.46	6025.44	5001.76	4170.69	3475.45	2917.56	2480.93
180.0	8400.47	8324.49	8178.69	7976.87	7758.94	7536.40	7323.07	7099.00	6864.18
210.0	8562.38	8479.50	7945.41	7062.93	6032.34	5054.71	4175.29	3451.66	2849.27
240.0	8507.13	8335.24	7066.77	5294.89	3938.94	3048.78	2496.27	2096.47	1771.87
270.0	8568.52	8033.66	6262.56	4422.39	3262.88	2606.78	2160.93	1818.68	1526.54
300.0	8488.71	8370.54	6996.93	5288.76	3927.43	3077.18	2490.14	2088.80	1758.83
330.0	8537.83	8534.76	8014.47	7089.02	6009.32	4994.08	4097.02	3373.38	2777.90
360.0	8400.47	8377.44	8262.34	8086.61	7882.49	7669.92	7473.47	7279.33	7063.70
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	6802.79	6447.49	5941.79	5281.85	4575.10	3767.05	3025.76	2364.29	1801.03
30.0	2246.88	1901.56	1606.89	1371.30	1157.97	977.64	832.60	703.68	593.18
60.0	1368.38	1145.31	936.05	778.35	639.53	533.71	445.46	375.40	323.60
90.0	1176.39	953.08	774.28	625.41	509.54	419.75	357.67	306.80	269.58
120.0	1333.62	1102.80	916.02	753.87	618.27	511.15	426.97	363.66	312.55
150.0	2105.68	1785.68	1510.96	1289.96	1088.14	903.97	758.93	617.74	516.44
180.0	6572.58	6169.70	5668.61	5026.31	4278.89	3510.75	2824.71	2182.42	1514.42
210.0	2398.05	2003.62	1685.16	1421.49	1194.73	1001.12	853.09	720.72	606.23
240.0	1506.36	1270.77	1060.51	877.11	733.61	603.92	498.03	421.29	356.60
270.0	1280.52	1050.61	856.85	692.94	562.56	458.35	385.76	327.82	282.93
300.0	1489.48	1253.89	1054.37	869.44	719.80	598.55	488.82	414.38	352.07
330.0	2336.66	1953.74	1646.02	1392.48	1174.39	986.62	842.73	713.20	600.78
360.0	6802.79	6447.49	5941.79	5281.85	4575.10	3767.05	3025.76	2364.29	1801.03
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1355.19	1040.56	780.42	588.58	457.36	367.50	270.35	213.48	174.04
30.0	506.47	428.20	375.63	313.01	267.66	230.29	201.28	175.88	154.70
60.0	281.55	248.32	221.93	201.28	182.79	167.52	152.32	139.36	126.77
90.0	239.57	215.79	196.22	180.03	166.37	153.24	141.35	128.31	111.58
120.0	273.19	243.57	218.63	199.29	181.79	166.52	152.63	140.35	128.15
150.0	436.64	387.52	322.22	278.79	243.87	214.25	187.24	165.29	147.34
180.0	1276.76	957.61	721.10	553.97	422.29	325.60	257.84	205.58	169.28
210.0	518.52	440.47	375.94	320.76	274.18	234.97	205.81	179.87	157.62
240.0	305.65	269.27	238.19	213.41	194.45	176.88	161.76	148.64	136.29
270.0	251.55	225.53	204.74	186.70	172.66	159.15	146.80	135.52	122.47
300.0	304.96	267.81	237.43	214.25	194.76	177.57	162.76	150.48	137.97
330.0	514.45	437.02	372.94	315.85	272.27	233.90	203.58	179.26	157.54
360.0	1355.19	1040.56	780.42	588.58	457.36	367.50	270.35	213.48	174.04
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	147.87	132.68	121.25	112.27	104.98	98.45	91.93	85.64	79.42
30.0	137.28	123.78	111.88	101.83	93.39	84.49	76.20	66.92	58.24
60.0	115.41	101.75	86.64	74.36	61.93	51.64	42.13	33.92	25.40
90.0	94.85	81.11	67.30	54.56	44.97	36.99	29.93	22.79	15.65
120.0	116.26	102.75	87.63	74.59	62.62	52.34	42.74	34.22	25.25
150.0	132.91	120.55	108.51	98.84	91.09	82.88	73.59	64.77	56.63
180.0	145.57	131.30	120.78	111.81	104.13	96.77	90.24	84.26	78.96
210.0	140.89	126.08	113.73	103.83	95.46	86.94	78.81	70.83	61.85
240.0	124.16	112.73	100.60	86.18	73.98	61.47	51.18	41.67	32.77
270.0	107.43	91.01	76.51	63.62	51.95	42.28	34.61	27.55	19.95
300.0	126.00	114.57	102.06	87.33	74.82	62.62	51.49	41.67	32.69
330.0	141.12	126.46	114.42	104.36	95.77	87.02	78.58	70.37	60.78
360.0	147.87	132.68	121.25	112.27	104.98	98.45	91.93	85.64	79.42

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	71.98	63.16	54.56	47.65	41.44	35.84	28.93	16.88	6.83
30.0	48.88	39.14	27.86	17.27	9.29	4.45	2.76	1.76	0.84
60.0	16.81	9.06	5.83	4.45	2.92	2.53	2.15	1.38	0.46
90.0	9.44	6.60	5.22	3.53	2.92	2.61	2.07	1.30	0.54
120.0	16.42	8.59	5.83	4.37	2.92	2.53	2.07	1.30	0.46
150.0	46.43	37.45	26.63	16.35	8.44	4.22	2.61	1.76	0.84
180.0	71.44	62.39	54.18	46.96	40.67	33.99	25.63	13.58	5.37
210.0	53.10	42.59	31.69	20.72	11.51	5.06	3.15	2.00	1.00
240.0	24.02	15.19	8.06	5.76	3.84	2.76	2.38	1.84	1.00
270.0	13.35	7.83	6.22	4.22	3.07	2.84	2.46	1.76	0.92
300.0	23.56	14.58	7.67	5.60	3.68	2.84	2.53	1.69	0.92
330.0	52.10	41.67	31.08	20.11	10.82	4.83	2.84	2.00	1.00
360.0	71.98	63.16	54.56	47.65	41.44	35.84	28.93	16.88	6.83
C/γ(°)	90.0								
0.0	0.23								
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	0.23								
240.0	0.23								
270.0	0.08								
300.0	0.15								
330.0	0.15								
360.0	0.23								