

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3083A-24-UN-RC-Y(15-XL-24RGBWN-AJ, L610mm, C, CT)

报告编号:

电压(V): 220.3000

测试编号: 20210331008

电流(A): 0.4680

光源规格型号: XL

功率(W): 101.3000

每个光源光通量(lm)

功率因数: 0.9820

光源数量: 24

镇流器型号:

发光面长度(mm): 550

发光面宽度(mm): 103

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 5130.08

灯具效能(lm/w): 50.64

中心光强(cd): 42497.280

最大光强(cd): 43694.390

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=15.8

[C90/270]Total=15.7

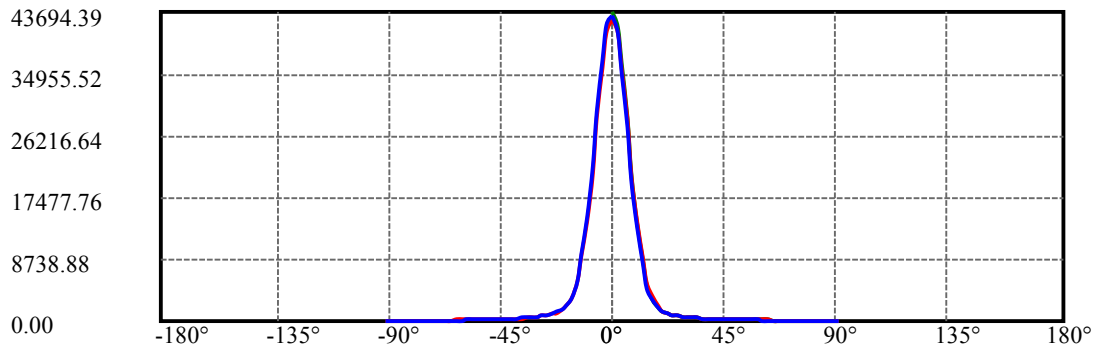
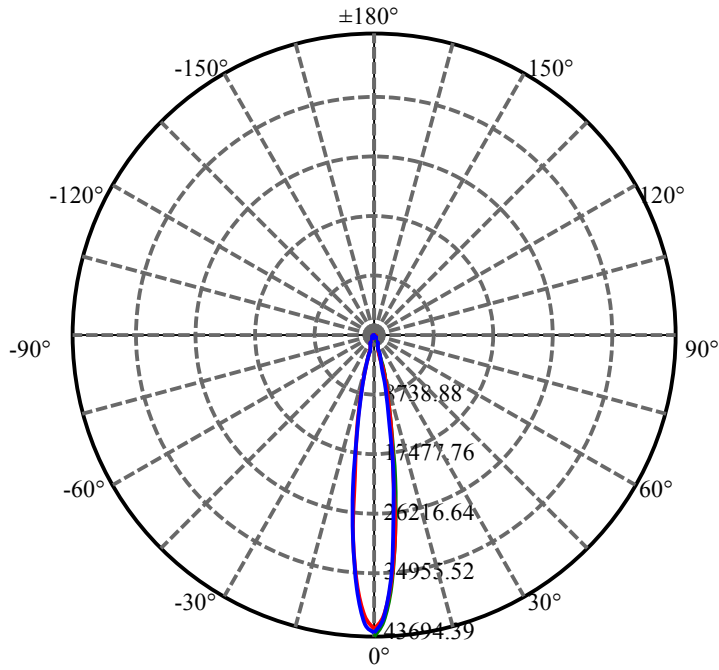
光束扩散角(10%Imax): [C0/180]Total=30.4

[C90/270]Total=29.6

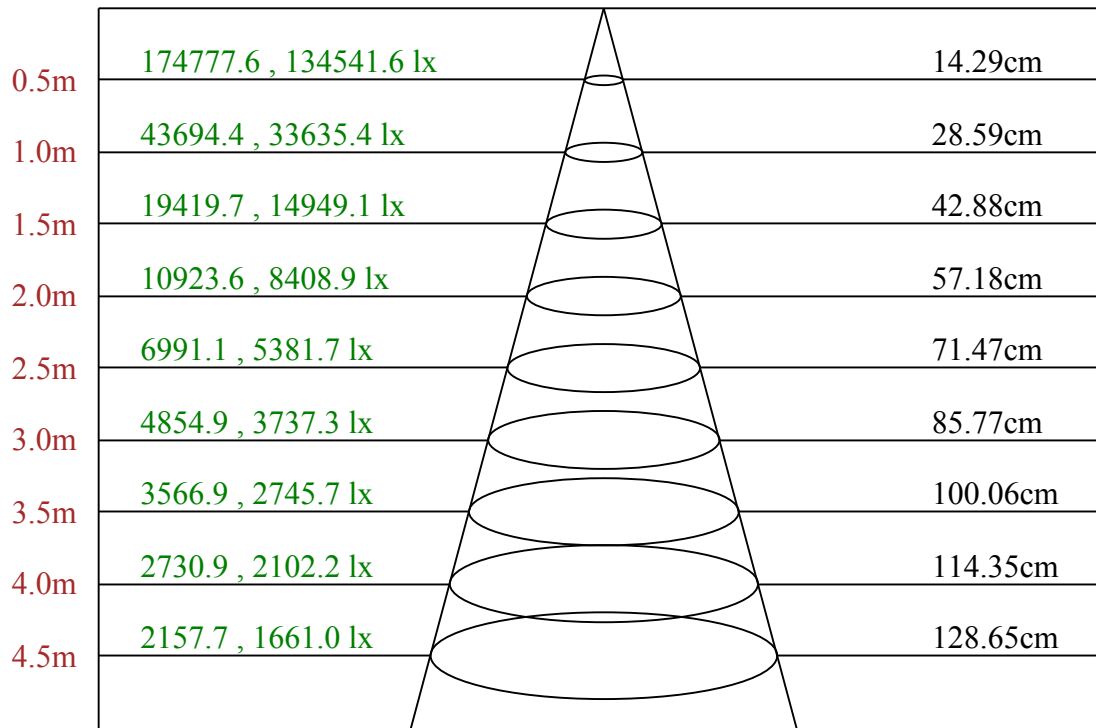
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/31
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

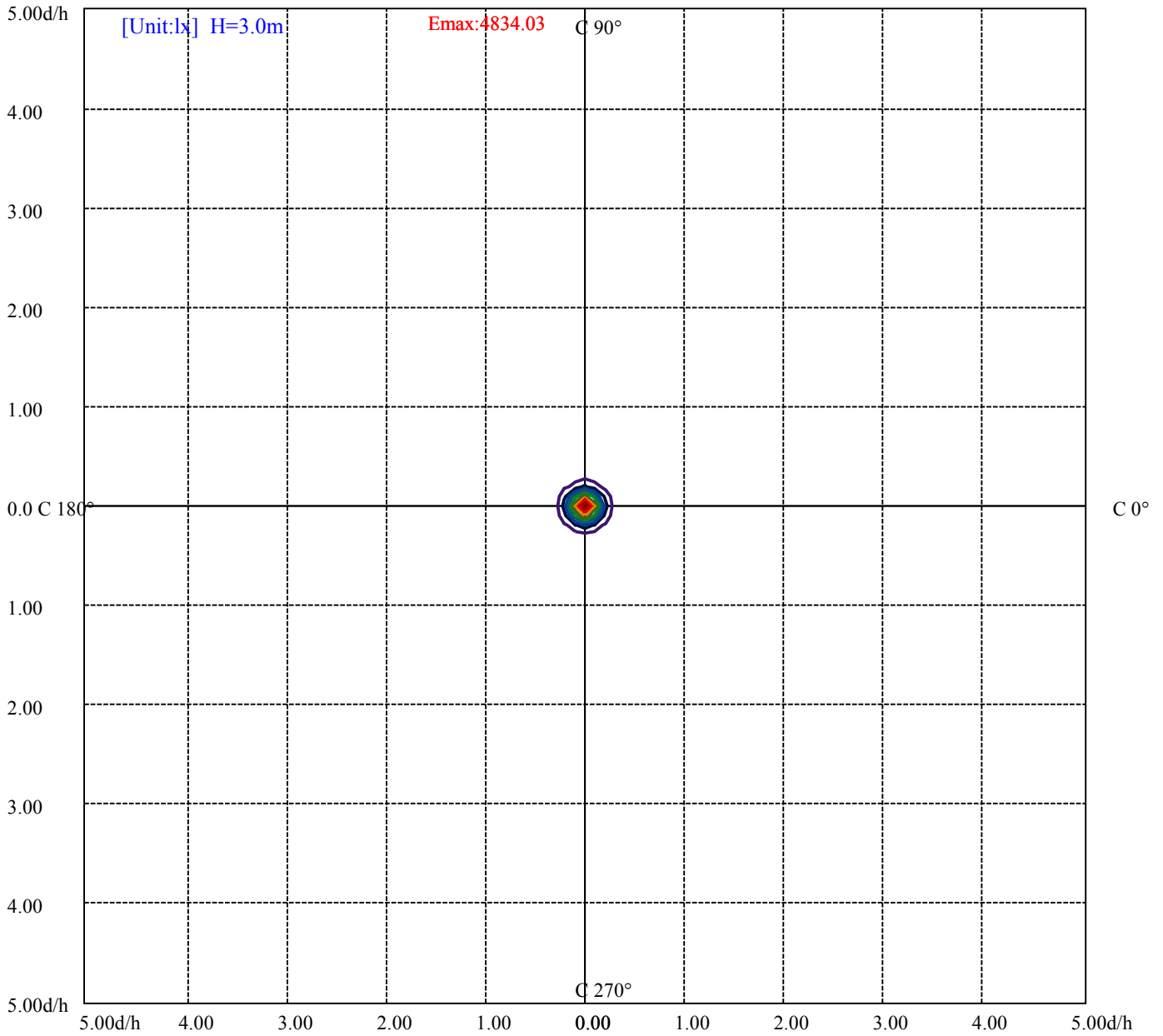


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角16.27

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平面等照度曲线



- (10%Emax) 483.4022
- (20%Emax) 966.8034
- (30%Emax) 1450.2
- (40%Emax) 1933.611
- (50%Emax) 2417.011
- (60%Emax) 2900.411
- (70%Emax) 3383.811
- (80%Emax) 3867.211
- (90%Emax) 4350.611

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

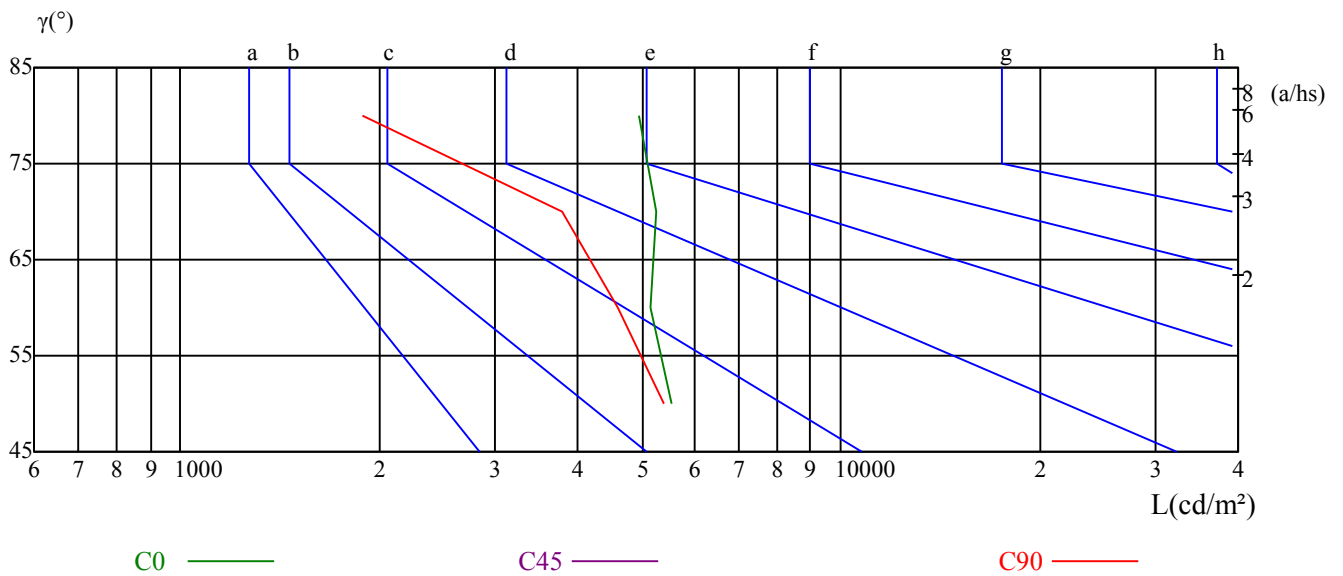
γ	45	50	55	60	65	70	75	80	85
C0	0	5540	0	5153	0	5260	0	4946	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5393	0	4589	0	3782	0	1888	0

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	6.96	7.99	7.32	8.30	8.61	7.29	8.32	7.66	8.64	8.95
	3H	8.42	9.33	8.80	9.66	10.03	9.38	10.30	9.77	10.63	11.00
	4H	8.90	9.74	9.31	10.10	10.49	10.20	11.04	10.60	11.39	11.78
	6H	9.10	9.88	9.52	10.25	10.65	10.78	11.55	11.19	11.93	12.32
	8H	9.12	9.85	9.55	10.24	10.65	10.96	11.69	11.40	12.08	12.49
	12H	9.12	9.82	9.56	10.20	10.63	11.18	11.88	11.62	12.26	12.69
4H	2H	7.57	8.41	7.98	8.77	9.16	7.83	8.68	8.24	9.03	9.42
	3H	9.22	9.91	9.63	10.32	10.73	10.20	10.89	10.61	11.30	11.70
	4H	9.79	10.41	10.23	10.83	11.28	11.10	11.72	11.54	12.14	12.59
	6H	10.02	10.55	10.49	11.00	11.48	11.66	12.19	12.13	12.64	13.12
	8H	10.05	10.55	10.53	11.00	11.47	11.88	12.37	12.36	12.83	13.30
	12H	10.06	10.49	10.55	10.97	11.45	12.10	12.53	12.59	13.02	13.49
8H	4H	10.09	10.59	10.57	11.04	11.51	11.24	11.74	11.72	12.19	12.66
	6H	10.43	10.82	10.94	11.32	11.81	11.90	12.30	12.41	12.80	13.28
	8H	10.50	10.85	11.03	11.37	11.86	12.18	12.53	12.71	13.05	13.55
	12H	11.07	11.37	11.60	11.87	12.45	12.89	13.19	13.41	13.68	14.26
12H	4H	10.10	10.53	10.59	11.02	11.49	11.21	11.64	11.70	12.13	12.61
	6H	10.77	10.81	11.00	11.28	11.83	12.20	12.24	12.43	12.71	13.26
	8H	10.57	10.87	11.09	11.37	11.95	12.20	12.50	12.73	13.00	13.58
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.3/-0.6					
S = 1.5H	0.9/-0.9					0.8/-0.7					
S = 2.0H	1.8/-1.1					0.9/-0.7					
标准表格	BK3					BK3					
更正系数	-2.4					-1.3					

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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	42497.28	40701.62	35598.57	28500.34	20688.46	14142.74	8901.56	5417.67	3510.75
30.0	43694.39	41599.45	36458.03	28684.51	21018.43	13797.42	8763.43	5195.14	3077.95
60.0	43318.38	40410.02	33895.00	26796.77	18992.56	12488.28	7488.06	4292.70	2676.61
90.0	43164.90	40809.06	34961.65	27533.45	19921.08	13336.99	8103.49	4742.38	2931.38
120.0	42842.60	40202.83	34355.42	26980.94	19598.78	12887.31	8216.29	4842.91	2935.98
150.0	42658.43	40970.20	36151.08	29045.18	21624.66	14603.17	9338.97	5762.99	3890.60
180.0	42497.28	40747.67	35951.57	28807.30	20803.56	14213.34	9121.03	5594.17	3300.48
210.0	43694.39	42151.96	37002.87	29712.80	22138.80	14673.00	9190.09	5443.00	3270.56
240.0	43318.38	42451.24	38023.48	30894.56	23328.23	16268.37	10060.30	5924.14	3928.97
270.0	43164.90	41783.62	36910.79	29712.80	22062.06	14764.31	9444.10	5597.24	3315.83
300.0	42842.60	41883.38	37240.76	30035.10	22775.72	15654.47	9945.19	6016.23	3951.99
330.0	42658.43	40839.75	35475.79	28116.66	20788.22	13894.88	9037.39	5425.35	3212.24
360.0	42497.28	40701.62	35598.57	28500.34	20688.46	14142.74	8901.56	5417.67	3510.75
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2038.92	1483.34	1144.92	938.50	791.93	678.36	588.58	517.98	451.22
30.0	2031.24	1457.25	1126.51	915.48	771.21	658.41	577.83	511.84	454.29
60.0	1814.08	1350.27	1075.40	881.48	740.67	642.06	564.79	500.10	442.24
90.0	1949.90	1445.74	1115.00	922.39	774.28	665.31	577.83	508.77	449.68
120.0	1955.27	1454.79	1136.64	933.97	795.77	686.11	604.46	525.35	464.49
150.0	2183.95	1542.43	1195.57	969.20	819.56	702.15	613.13	542.53	477.31
180.0	2110.28	1502.14	1173.01	956.46	813.96	700.38	605.92	525.19	458.81
210.0	2112.59	1524.70	1187.36	965.74	814.03	692.25	602.16	529.11	470.63
240.0	2242.27	1604.58	1246.22	999.89	833.37	706.75	610.83	541.00	478.08
270.0	2204.67	1515.18	1233.17	1001.89	837.82	710.28	617.97	541.69	475.77
300.0	2330.52	1675.18	1273.08	1022.14	857.16	736.68	636.15	557.88	493.42
330.0	2091.10	1530.38	1174.85	968.20	814.49	696.39	609.37	538.24	472.70
360.0	2038.92	1483.34	1144.92	938.50	791.93	678.36	588.58	517.98	451.22
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	395.20	352.00	311.78	280.17	256.69	235.05	217.17	201.74	186.86
30.0	402.87	357.06	317.62	283.55	257.92	236.12	219.16	203.51	190.08
60.0	392.28	347.01	308.56	278.48	253.31	232.21	214.25	199.36	185.32
90.0	394.43	349.54	309.25	277.10	249.63	229.37	211.64	196.37	182.41
120.0	406.79	359.29	318.15	285.16	259.91	238.04	219.39	202.97	188.85
150.0	421.29	378.47	329.66	293.60	265.74	242.41	223.00	206.12	192.61
180.0	405.87	356.91	317.77	286.77	261.06	239.81	222.62	205.73	190.62
210.0	421.14	374.71	331.35	296.05	266.51	243.33	224.23	207.42	193.46
240.0	426.66	388.29	335.11	298.74	270.58	245.94	225.61	209.34	194.07
270.0	420.52	368.65	323.91	287.69	260.22	235.89	218.09	201.82	187.62
300.0	431.27	389.06	332.96	298.13	268.81	244.56	225.99	209.57	195.37
330.0	416.38	366.65	321.61	287.15	260.52	237.58	219.55	203.74	190.54
360.0	395.20	352.00	311.78	280.17	256.69	235.05	217.17	201.74	186.86
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	174.27	163.91	154.93	145.95	137.59	129.46	120.71	111.73	101.91
30.0	179.18	168.52	159.54	150.64	142.66	134.06	125.54	117.56	108.43
60.0	174.35	163.83	151.63	137.28	125.01	113.11	101.75	91.55	80.34
90.0	168.98	154.24	141.35	129.99	118.18	106.97	96.15	84.64	73.28
120.0	176.34	165.75	153.32	138.82	125.62	113.73	102.83	92.16	81.57
150.0	180.49	169.97	160.77	151.56	143.50	134.67	126.85	118.71	109.89
180.0	177.57	166.06	156.01	147.03	138.97	130.45	121.78	113.49	104.13
210.0	181.56	171.28	161.46	152.86	144.34	135.83	127.54	118.87	110.12
240.0	180.87	169.51	159.23	146.57	132.99	119.56	107.74	96.38	85.79
270.0	174.65	161.00	146.42	133.98	122.55	110.58	99.61	88.63	76.97
300.0	181.56	170.43	159.46	146.95	133.45	119.79	108.51	97.38	86.41
330.0	179.11	169.05	159.08	150.18	141.66	133.68	125.54	117.41	109.27
360.0	174.27	163.91	154.93	145.95	137.59	129.46	120.71	111.73	101.91

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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	92.62	82.65	72.59	61.39	48.65	36.99	25.86	15.42	5.91
30.0	96.84	78.96	61.62	47.58	35.84	24.17	17.42	4.22	2.30
60.0	68.30	56.10	45.81	38.37	23.10	10.28	6.91	4.07	2.53
90.0	61.77	52.34	45.04	33.84	18.57	8.98	7.44	3.68	2.61
120.0	69.83	57.40	46.43	39.37	23.33	10.28	6.91	3.91	2.30
150.0	98.76	80.11	62.69	48.57	35.91	24.94	18.03	4.07	2.00
180.0	95.15	84.72	74.97	62.00	50.19	38.45	26.78	16.19	4.91
210.0	99.61	83.18	63.77	50.03	36.53	25.48	18.49	4.30	2.15
240.0	74.67	62.85	51.41	42.36	34.22	15.12	7.06	5.29	2.99
270.0	65.69	54.87	46.81	39.44	21.33	9.82	7.75	4.76	3.22
300.0	75.05	63.54	51.34	41.90	34.99	14.89	6.60	5.22	2.92
330.0	98.99	83.87	64.31	48.88	36.37	25.09	18.26	4.53	2.30
360.0	92.62	82.65	72.59	61.39	48.65	36.99	25.86	15.42	5.91

C/γ(°)	90.0
0.0	0.38
30.0	0.31
60.0	0.23
90.0	0.15
120.0	0.23
150.0	0.31
180.0	0.38
210.0	0.46
240.0	0.77
270.0	0.84
300.0	0.77
330.0	0.61
360.0	0.38