

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2021A-16-UN (20-OL-16WN-C, P1)

报告编号:

电压(V): 220.6000

测试编号: 20210317007

电流(A): 0.1100

光源规格型号: OL

功率(W): 19.5000

每个光源光通量(lm)

功率因数: 0.8030

光源数量: 16

镇流器型号:

发光面长度(mm): 155

发光面宽度(mm): 155

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1743.26

灯具效能(lm/w): 89.40

中心光强(cd): 7600.092

最大光强(cd): 7620.044

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=21.3

[C90/270]Total=21.0

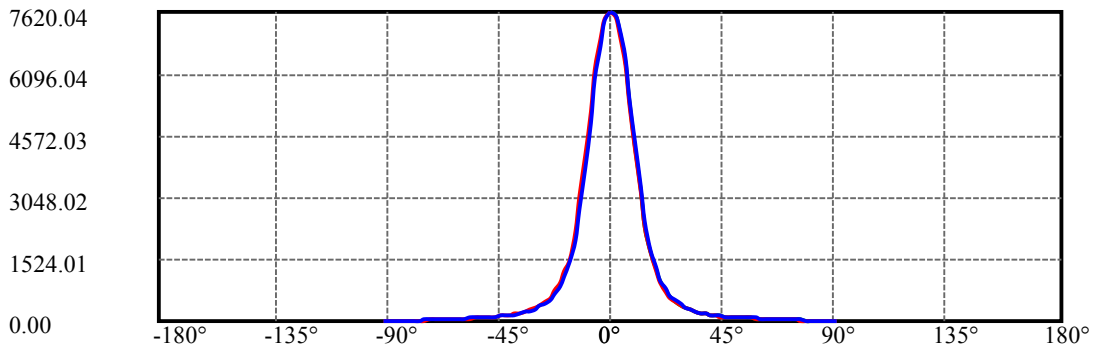
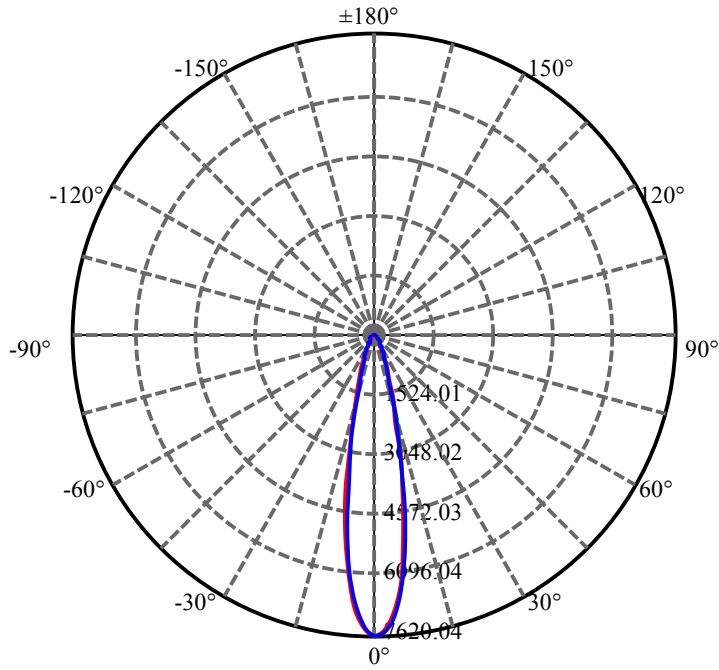
光束扩散角(10%Imax): [C0/180]Total=43.5

[C90/270]Total=43.3

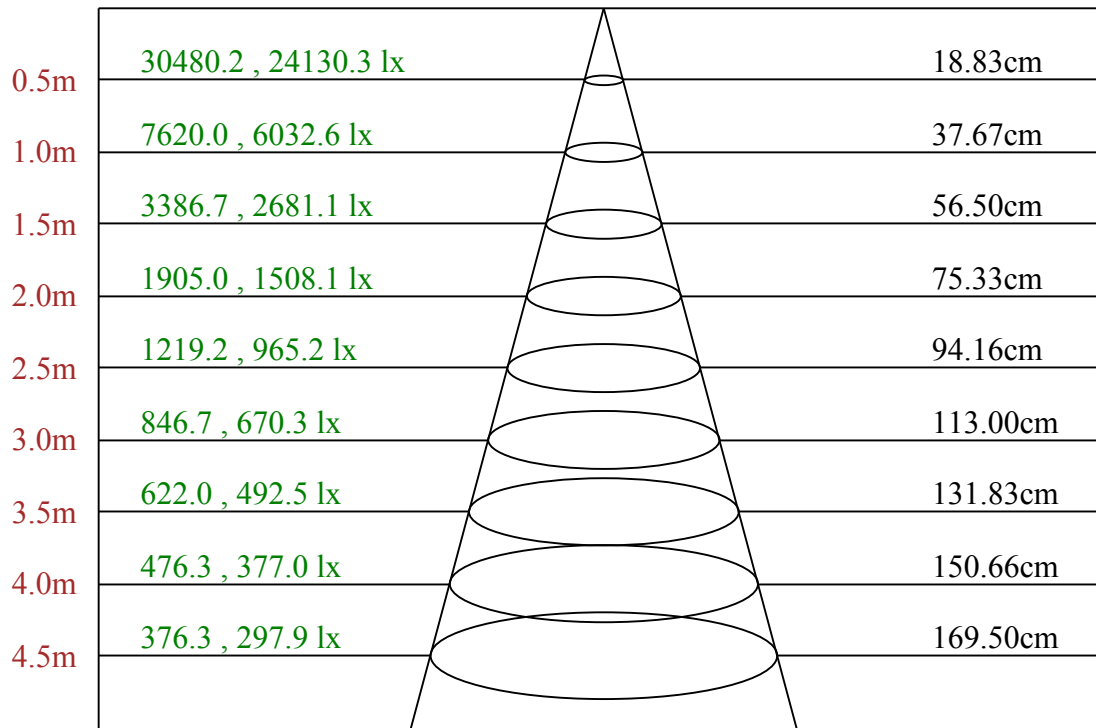
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/17
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

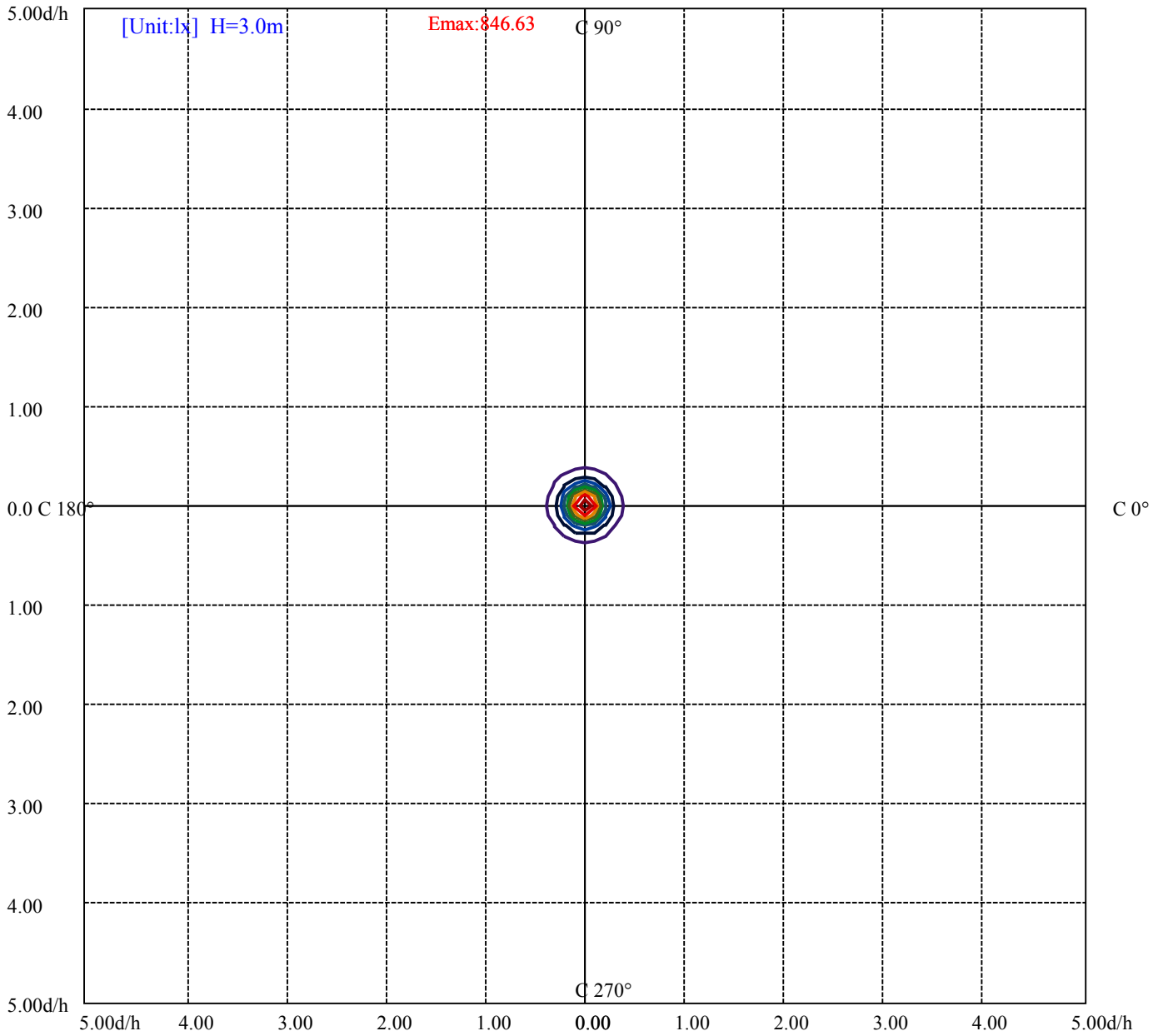


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角21.33

ROLED 投光灯
平面等照度曲线



- (10%Emax) 84.66278
- (20%Emax) 169.3256
- (30%Emax) 253.9889
- (40%Emax) 338.6511
- (50%Emax) 423.3145
- (60%Emax) 507.9767
- (70%Emax) 592.64
- (80%Emax) 677.3022
- (90%Emax) 761.9656

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ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

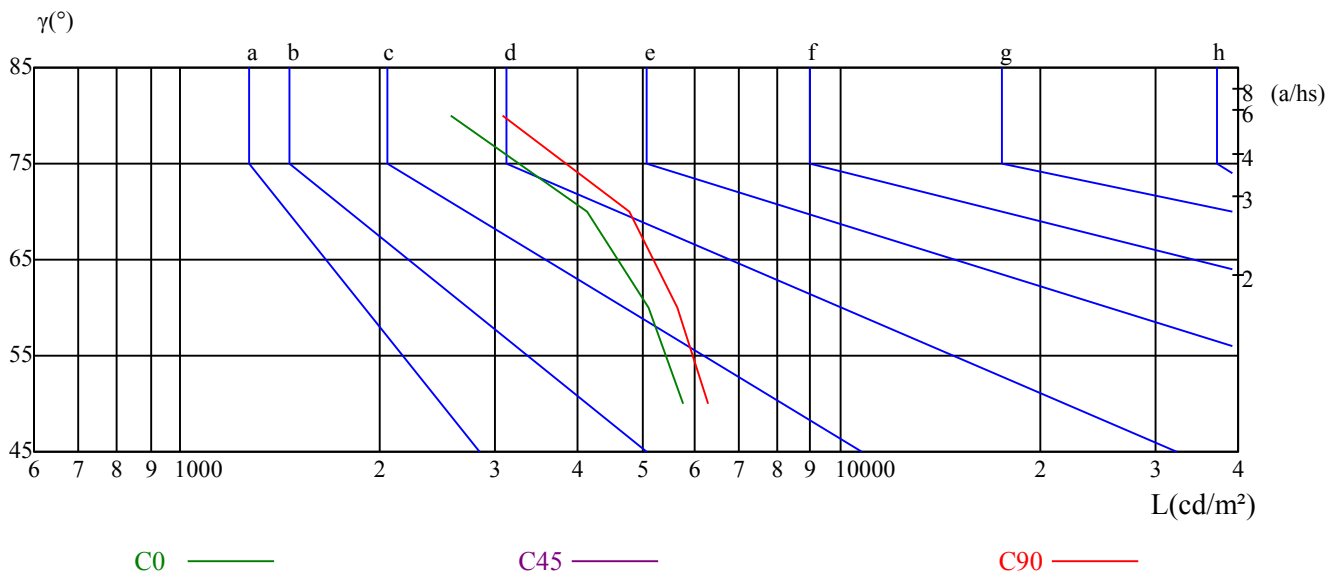
γ	45	50	55	60	65	70	75	80	85
C0	0	5764	0	5123	0	4128	0	2575	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6301	0	5647	0	4781	0	3072	0

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	12.22	13.30	12.58	13.61	13.92	11.87	12.95	12.24	13.27	13.58
	3H	13.81	14.76	14.19	15.09	15.46	13.34	14.30	13.72	14.63	15.00
	4H	14.35	15.24	14.75	15.59	15.98	13.81	14.70	14.22	15.05	15.44
	6H	14.62	15.43	15.03	15.80	16.20	14.03	14.85	14.45	15.22	15.62
	8H	14.64	15.41	15.07	15.80	16.21	14.05	14.81	14.48	15.21	15.62
	12H	14.63	15.36	15.06	15.74	16.18	14.03	14.77	14.47	15.15	15.58
4H	2H	12.77	13.66	13.18	14.01	14.40	12.51	13.39	12.91	13.75	14.14
	3H	14.56	15.28	14.97	15.69	16.10	14.19	14.92	14.61	15.33	15.73
	4H	15.20	15.85	15.63	16.27	16.72	14.75	15.40	15.19	15.83	16.27
	6H	15.48	16.04	15.95	16.49	16.96	14.99	15.54	15.46	15.99	16.47
	8H	15.52	16.03	15.99	16.48	16.96	15.01	15.53	15.48	15.98	16.45
	12H	15.50	15.95	15.99	16.44	16.92	14.99	15.44	15.48	15.93	16.40
8H	4H	15.35	15.87	15.83	16.32	16.79	14.95	15.47	15.42	15.92	16.39
	6H	15.70	16.11	16.21	16.62	17.10	15.24	15.65	15.75	16.15	16.64
	8H	15.77	16.13	16.30	16.65	17.15	15.29	15.65	15.82	16.17	16.67
	12H	16.37	16.69	16.90	17.19	17.77	15.91	16.23	16.43	16.72	17.30
12H	4H	15.32	15.77	15.81	16.26	16.73	14.93	15.38	15.42	15.86	16.34
	6H	16.03	16.05	16.21	16.52	17.06	15.58	15.60	15.76	16.07	16.61
	8H	15.77	16.08	16.29	16.58	17.16	15.30	15.61	15.82	16.11	16.69
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.4/-0.6					
S = 1.5H	1.0/-0.8					1.0/-0.8					
S = 2.0H	1.9/-1.1					1.9/-1.3					
标准表格	BK3					BK3					
更正系数	-0.4					-0.8					

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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	7600.09	7498.03	7061.39	6278.67	5340.94	4225.94	3152.38	2301.36	1682.86
30.0	7620.04	7548.68	7135.06	6395.31	5435.32	4275.82	3195.35	2308.27	1692.06
60.0	7619.28	7515.68	7066.77	6360.01	5346.31	4229.78	3237.56	2342.80	1526.54
90.0	7604.70	7547.91	7188.01	6489.70	5505.92	4415.48	3321.20	2449.46	1770.34
120.0	7610.84	7503.40	7064.46	6333.15	5382.38	4274.28	3282.07	2387.31	1735.80
150.0	7603.16	7516.45	7111.27	6396.08	5400.02	4311.12	3233.72	2385.00	1735.80
180.0	7600.09	7427.43	6966.24	6201.17	5167.51	4057.88	3086.39	2229.23	1512.88
210.0	7620.04	7416.69	6878.76	6084.52	5017.87	3849.93	2836.99	2085.73	1527.62
240.0	7619.28	7428.20	6944.75	6122.89	5153.70	4031.03	2975.12	2163.23	1584.63
270.0	7604.70	7360.67	6767.49	5941.79	4858.26	3756.31	2752.58	1985.97	1445.43
300.0	7610.84	7424.36	6927.10	6096.80	5129.14	4008.77	2962.84	2190.09	1580.03
330.0	7603.16	7409.02	6859.57	6054.60	4987.94	3892.90	2830.85	2086.50	1519.40
360.0	7600.09	7498.03	7061.39	6278.67	5340.94	4225.94	3152.38	2301.36	1682.86
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1228.57	935.43	723.64	574.76	463.50	389.83	316.16	265.13	225.38
30.0	1257.73	970.73	752.03	593.18	477.31	389.06	325.67	271.57	232.44
60.0	1257.73	966.36	750.80	601.93	482.53	394.28	328.28	272.80	232.75
90.0	1320.65	1010.63	785.79	630.02	506.47	417.45	345.70	287.77	243.03
120.0	1304.39	1007.18	786.56	623.11	506.31	412.77	343.40	283.70	241.88
150.0	1303.00	1016.01	793.47	630.02	508.00	417.45	345.17	289.76	244.41
180.0	1234.17	942.11	736.91	585.81	476.23	390.06	326.52	272.27	230.37
210.0	1169.25	906.65	708.67	573.77	466.10	381.23	316.85	267.58	226.68
240.0	1167.18	899.36	710.59	561.72	456.59	389.83	314.24	264.82	226.76
270.0	1107.78	855.01	667.62	538.62	438.79	363.81	299.28	254.69	216.86
300.0	1164.11	894.76	707.52	556.35	451.22	387.52	308.25	259.45	223.00
330.0	1154.44	888.01	690.10	557.42	452.98	369.18	306.41	258.61	219.32
360.0	1228.57	935.43	723.64	574.76	463.50	389.83	316.16	265.13	225.38
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	192.15	168.21	147.41	131.53	117.95	106.13	96.77	89.02	82.11
30.0	199.82	173.81	152.55	135.98	121.78	110.20	101.45	93.47	86.64
60.0	200.67	176.80	155.70	138.43	124.55	112.96	103.60	95.69	89.55
90.0	209.80	182.10	159.77	142.89	127.92	115.87	105.44	97.30	90.01
120.0	207.81	181.71	159.31	141.04	126.92	114.57	104.67	96.38	89.55
150.0	209.11	181.10	159.46	141.04	126.00	114.19	104.06	95.69	88.79
180.0	197.60	172.12	150.56	133.14	119.63	107.74	97.92	89.63	82.34
210.0	197.14	171.74	150.56	134.14	120.86	109.35	100.14	92.78	85.87
240.0	195.14	170.97	150.64	134.06	121.63	110.43	101.75	94.16	87.48
270.0	188.93	165.60	146.26	131.91	119.17	108.35	99.61	92.32	85.56
300.0	192.00	168.29	148.95	132.45	119.40	108.51	100.22	92.85	86.18
330.0	189.70	167.36	147.11	131.60	118.02	107.36	98.45	91.62	84.87
360.0	192.15	168.21	147.41	131.53	117.95	106.13	96.77	89.02	82.11
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	76.12	71.29	66.22	61.54	56.48	50.72	44.20	39.29	33.92
30.0	80.80	75.43	70.52	66.30	61.77	57.17	51.72	45.51	39.14
60.0	83.72	78.43	73.51	68.83	64.08	59.55	54.25	48.11	41.28
90.0	84.10	78.35	72.98	67.84	62.92	57.09	50.65	44.97	39.29
120.0	83.49	77.97	72.98	68.22	63.39	58.47	53.33	46.96	40.90
150.0	82.42	76.97	71.83	67.38	63.00	58.63	53.95	48.65	41.82
180.0	74.36	67.91	62.31	58.09	54.02	46.27	41.82	34.99	30.54
210.0	80.04	74.90	69.91	65.46	60.85	56.56	51.64	45.74	38.83
240.0	81.65	76.89	71.83	67.15	62.77	57.71	53.10	47.42	40.90
270.0	79.73	74.82	69.60	64.46	59.47	53.79	47.58	41.90	36.14
300.0	80.42	75.28	70.14	65.38	61.08	56.10	51.11	45.20	38.45
330.0	79.12	74.05	69.14	64.69	60.16	56.02	51.03	45.04	38.45
360.0	76.12	71.29	66.22	61.54	56.48	50.72	44.20	39.29	33.92

ROLED 投光灯

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	29.24	25.78	21.41	14.81	10.74	5.22	1.30	0.92	0.54
30.0	33.53	28.47	24.33	18.80	11.28	7.06	2.07	0.84	0.38
60.0	35.30	29.31	24.33	18.19	11.13	7.44	2.61	0.84	0.38
90.0	33.84	29.93	24.86	18.19	12.82	7.14	1.61	1.00	0.54
120.0	35.15	29.77	25.48	19.95	11.97	7.75	3.30	1.00	0.46
150.0	35.68	28.09	18.95	14.43	8.06	6.06	2.46	0.69	0.46
180.0	24.02	22.48	18.65	13.74	10.05	5.45	1.38	0.92	0.38
210.0	33.30	27.86	23.71	18.80	10.90	7.14	2.61	0.92	0.46
240.0	34.69	29.31	24.33	18.19	11.82	7.60	2.76	0.92	0.46
270.0	31.31	27.09	22.18	15.65	11.36	5.68	1.46	0.92	0.46
300.0	33.00	28.16	23.79	17.73	11.13	6.37	1.84	0.92	0.38
330.0	32.77	27.17	22.56	16.73	9.82	5.76	1.53	0.77	0.31
360.0	29.24	25.78	21.41	14.81	10.74	5.22	1.30	0.92	0.54
C/γ(°)	90.0								
0.0	0.15								
30.0	0.00								
60.0	0.08								
90.0	0.08								
120.0	0.15								
150.0	0.08								
180.0	0.08								
210.0	0.08								
240.0	0.00								
270.0	0.00								
300.0	0.08								
330.0	0.08								
360.0	0.15								