

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2021A-16-UN (5015-OL-16WN-C, P1)

报告编号:

电压(V): 220.6000

测试编号: 20210318001

电流(A): 0.1110

光源规格型号: OL

功率(W): 19.6000

每个光源光通量(lm)

功率因数: 0.7980

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): 1795.22

灯具效能(lm/w): 91.59

中心光强(cd): 5206.646

最大光强(cd): 5226.598

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=53.6

[C90/270]Total=11.8

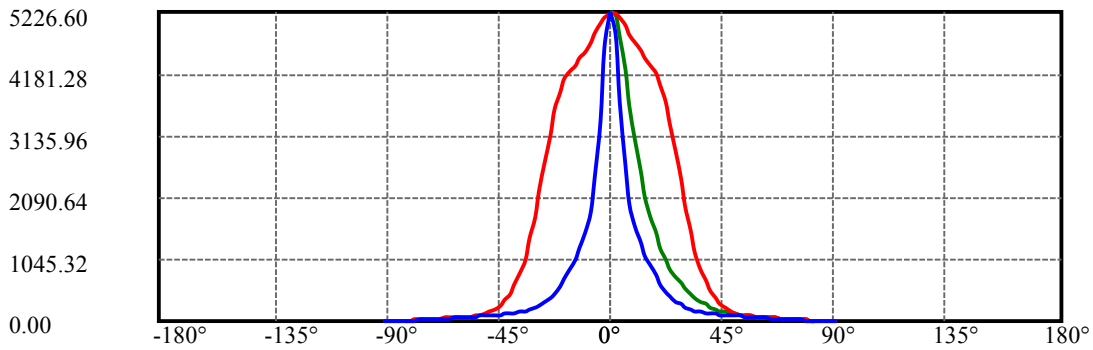
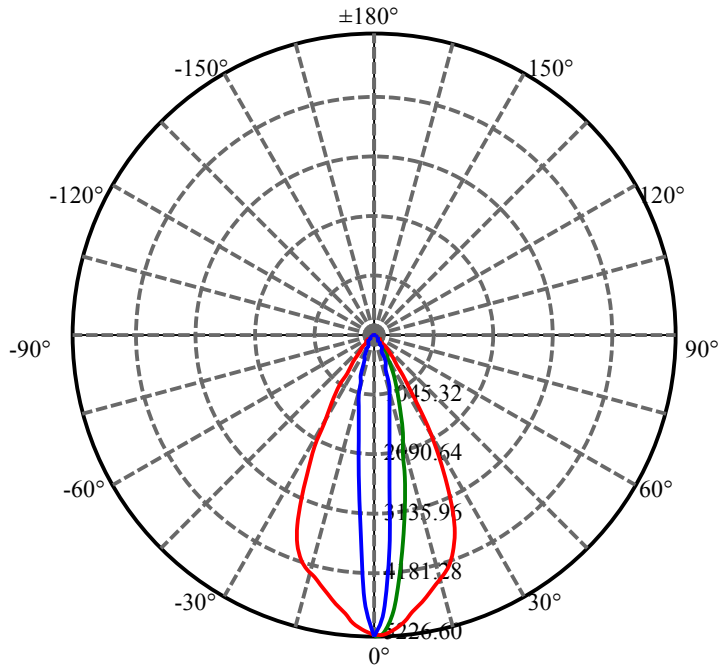
光束扩散角(10%Imax): [C0/180]Total=79.0

[C90/270]Total=42.8

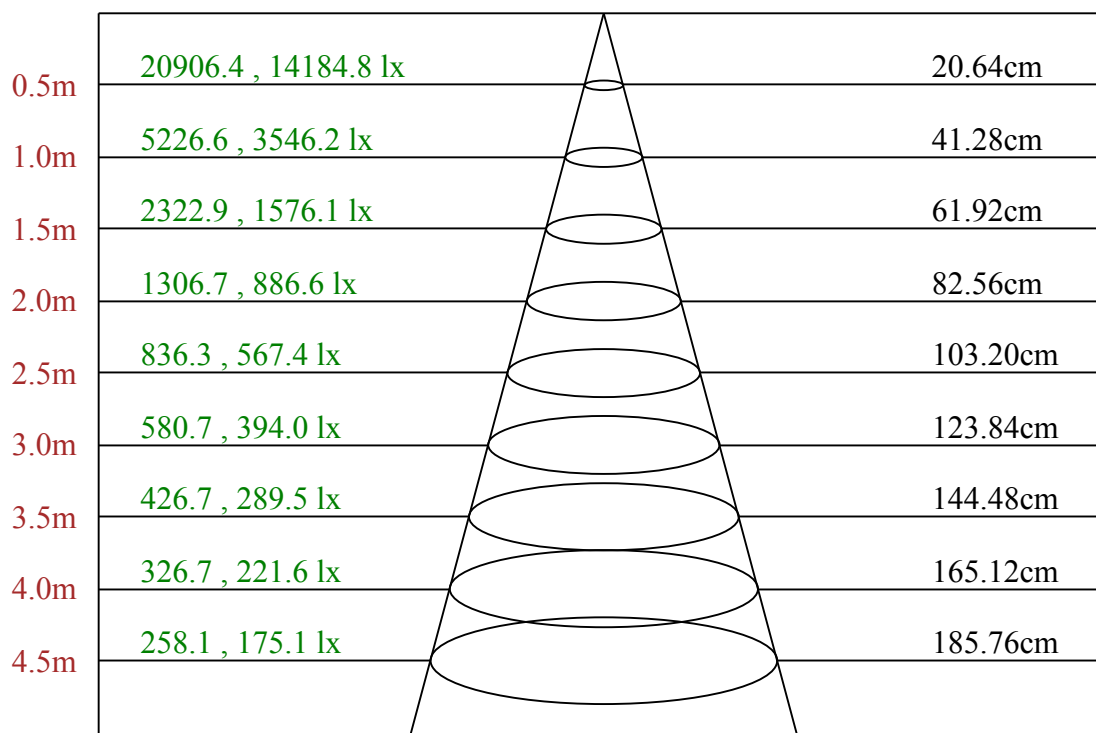
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/18
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

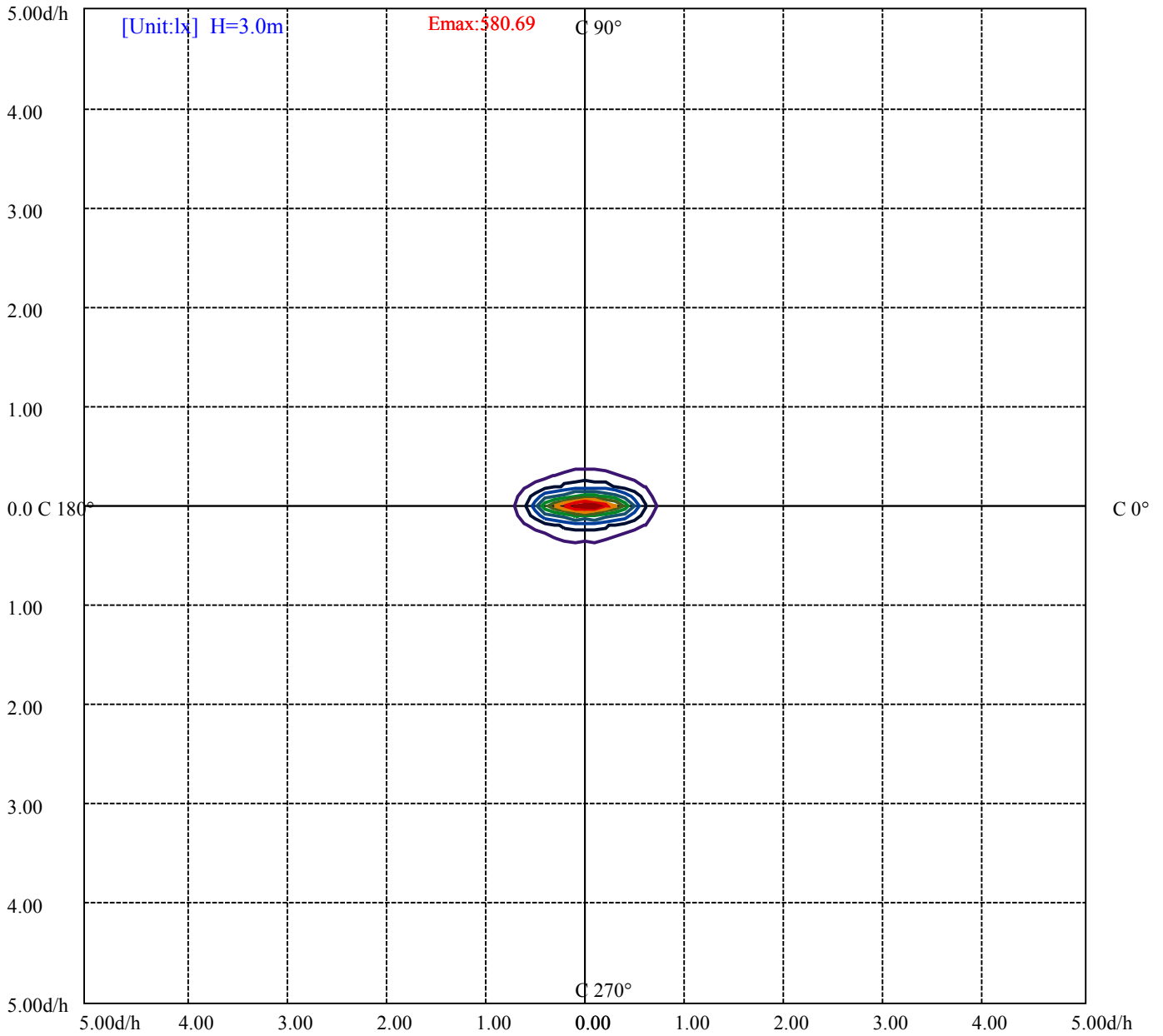


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角23.32

ROLED 投光灯
平面等照度曲线



(10%Emax) 58.06889	—
(20%Emax) 116.1378	—
(30%Emax) 174.2067	—
(40%Emax) 232.2756	—
(50%Emax) 290.3445	—
(60%Emax) 348.4133	—
(70%Emax) 406.4822	—
(80%Emax) 464.5511	—
(90%Emax) 522.62	—

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

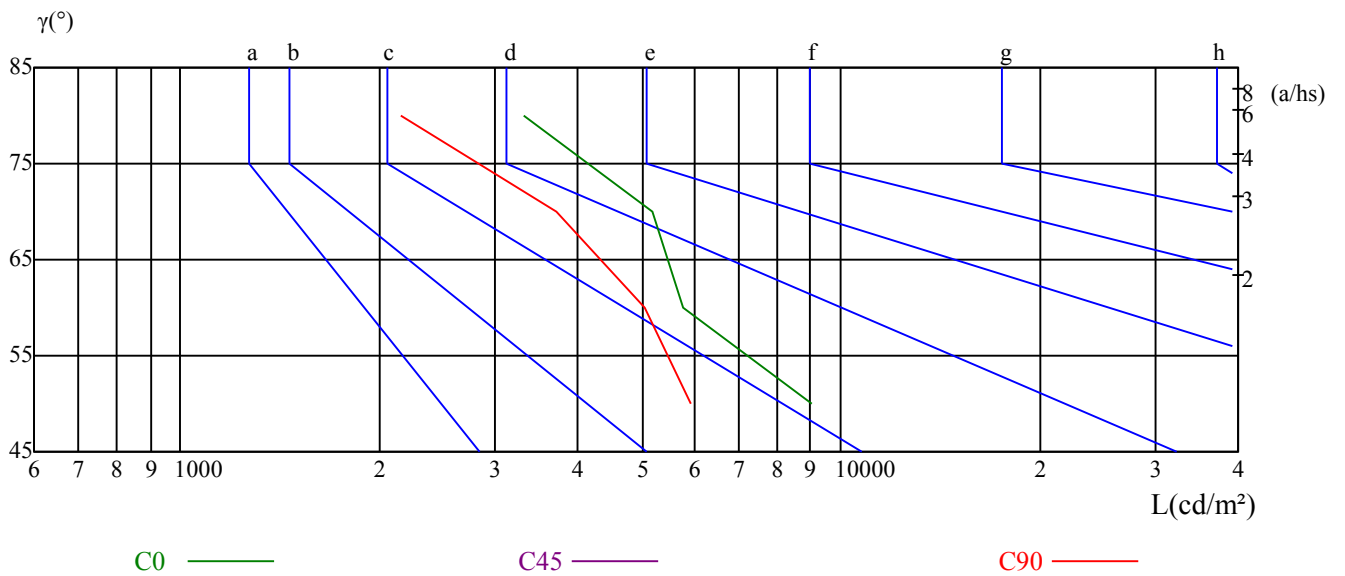
γ	45	50	55	60	65	70	75	80	85
C0	0	9029	0	5768	0	5192	0	3311	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5933	0	5059	0	3717	0	2152	0

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	11.76	12.84	12.12	13.15	13.46	12.30	13.38	12.67	13.69	14.00
	3H	13.06	14.01	13.44	14.35	14.71	13.87	14.82	14.25	15.15	15.52
	4H	13.45	14.33	13.85	14.68	15.07	14.41	15.29	14.81	15.64	16.03
	6H	13.61	14.42	14.03	14.79	15.19	14.68	15.49	15.09	15.86	16.26
	8H	13.61	14.37	14.04	14.76	15.17	14.70	15.47	15.14	15.86	16.27
	12H	13.59	14.31	14.02	14.70	15.13	14.70	15.42	15.13	15.81	16.24
4H	2H	12.32	13.20	12.72	13.55	13.94	12.75	13.63	13.15	13.98	14.37
	3H	13.85	14.57	14.26	14.98	15.39	14.50	15.22	14.92	15.63	16.04
	4H	14.33	14.97	14.77	15.40	15.84	15.13	15.78	15.57	16.20	16.65
	6H	14.52	15.07	14.99	15.52	15.99	15.42	15.98	15.89	16.43	16.90
	8H	14.52	15.04	15.00	15.49	15.96	15.46	15.97	15.94	16.42	16.90
	12H	14.50	14.95	14.99	15.43	15.91	15.45	15.90	15.94	16.38	16.86
8H	4H	14.52	15.03	15.00	15.48	15.96	15.25	15.76	15.72	16.21	16.69
	6H	14.78	15.19	15.29	15.69	16.17	15.60	16.01	16.11	16.51	17.00
	8H	14.81	15.18	15.34	15.70	16.19	15.67	16.03	16.20	16.55	17.05
	12H	15.45	15.76	15.97	16.26	16.84	16.24	16.56	16.76	17.06	17.63
12H	4H	14.50	14.94	14.99	15.43	15.91	15.21	15.66	15.70	16.15	16.62
	6H	15.11	15.13	15.30	15.60	16.15	15.92	15.94	16.11	16.41	16.96
	8H	14.83	15.14	15.35	15.64	16.22	15.66	15.98	16.19	16.48	17.05
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					3.4/-2.1					
S = 1.5H	1.0/-0.9					5.3/-2.2					
S = 2.0H	1.7/-1.4					7.1/-2.3					
标准表格	BK3					BK2					
更正系数	-1.1					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	5206.65	5198.21	5118.40	4988.71	4846.75	4706.32	4567.42	4446.18	4332.60
30.0	5226.60	5152.93	4793.03	4247.43	3622.01	3048.02	2531.57	2121.79	1767.27
60.0	5225.83	4832.17	3874.48	2900.68	2215.41	1764.96	1488.02	1253.20	1059.36
90.0	5214.32	4791.50	3701.82	2636.70	1969.85	1593.07	1328.33	1113.46	933.13
120.0	5214.32	4743.15	3729.45	2761.02	2115.66	1698.20	1440.67	1211.53	1019.08
150.0	5213.55	5056.24	4581.23	3936.64	3262.12	2695.79	2220.79	1863.19	1556.24
180.0	5206.65	5137.58	5016.34	4856.72	4691.74	4547.47	4431.60	4326.47	4215.96
210.0	5226.60	5010.97	4537.49	3969.64	3354.20	2803.99	2304.43	1936.09	1525.93
240.0	5225.83	4865.93	3923.59	2900.68	2220.02	1747.32	1431.16	1207.85	1027.52
270.0	5214.32	4601.95	3391.80	2443.33	1839.40	1497.53	1248.52	1049.08	869.13
300.0	5214.32	4844.44	3915.15	2861.55	2175.51	1713.55	1408.13	1189.43	1010.63
330.0	5213.55	5031.68	4532.89	3906.71	3231.42	2649.75	2143.28	1788.75	1494.39
360.0	5206.65	5198.21	5118.40	4988.71	4846.75	4706.32	4567.42	4446.18	4332.60
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4187.57	3996.49	3714.10	3343.46	2895.31	2396.52	1933.79	1516.33	1157.20
30.0	1484.87	1246.22	1046.70	888.62	749.73	636.15	539.47	459.66	388.29
60.0	890.54	748.73	620.42	512.15	426.58	353.22	296.90	248.63	214.25
90.0	767.38	630.02	502.63	412.08	336.26	280.25	235.89	202.43	177.72
120.0	852.25	714.81	589.34	488.28	401.11	331.51	280.40	234.59	204.12
150.0	1312.21	1118.83	946.17	802.68	680.66	580.90	494.19	418.22	359.13
180.0	4080.14	3866.04	3572.14	3147.01	2695.79	2205.44	1749.62	1382.04	1054.76
210.0	1369.31	1150.45	961.83	819.94	693.25	584.28	496.11	424.21	358.44
240.0	861.00	729.77	606.23	498.03	412.08	344.40	286.00	242.03	209.03
270.0	723.33	586.97	470.25	384.23	313.78	261.75	219.93	191.77	168.21
300.0	844.88	707.52	589.34	481.91	397.50	328.13	275.64	233.67	202.28
330.0	1267.40	1071.56	902.82	775.05	659.18	558.57	476.54	407.63	344.94
360.0	4187.57	3996.49	3714.10	3343.46	2895.31	2396.52	1933.79	1516.33	1157.20
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	874.04	670.69	504.17	389.83	296.28	226.30	175.27	139.43	111.81
30.0	331.35	281.78	240.88	205.35	175.81	153.32	133.45	116.79	102.98
60.0	186.40	164.60	148.49	134.37	122.78	112.50	104.06	96.31	89.86
90.0	158.16	142.89	130.68	121.48	113.03	105.44	98.38	91.62	85.03
120.0	178.95	159.54	143.65	130.68	120.78	111.50	103.37	96.00	89.40
150.0	305.11	260.14	223.38	191.54	164.91	144.57	126.85	112.11	99.68
180.0	809.58	610.06	460.27	349.62	269.89	207.19	160.92	128.08	104.29
210.0	307.87	262.75	223.31	192.76	165.75	143.12	125.16	110.43	97.30
240.0	181.48	161.00	143.81	130.68	119.56	109.58	101.60	94.31	87.63
270.0	151.25	136.98	125.31	116.49	108.35	100.83	94.16	88.09	81.65
300.0	176.50	157.54	141.96	129.84	119.48	110.27	102.60	95.62	89.40
330.0	294.29	254.15	217.09	187.09	161.69	141.20	124.70	111.50	99.38
360.0	874.04	670.69	504.17	389.83	296.28	226.30	175.27	139.43	111.81
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	94.23	84.41	76.28	69.29	63.77	58.17	52.64	47.42	42.67
30.0	91.70	82.19	74.21	68.22	62.54	57.09	51.64	46.35	40.67
60.0	83.49	77.35	71.90	66.38	61.16	55.86	50.88	44.58	38.06
90.0	78.50	72.75	66.68	60.78	55.10	48.27	42.05	36.07	30.54
120.0	83.34	77.35	71.98	66.30	60.78	55.33	49.50	42.90	36.83
150.0	89.17	80.57	73.05	67.07	61.16	55.56	50.11	44.58	39.29
180.0	89.32	80.04	72.29	66.15	60.85	55.56	50.34	45.20	40.21
210.0	86.71	78.35	70.91	65.00	59.16	53.95	48.65	43.20	37.83
240.0	80.88	75.43	69.75	64.69	59.70	54.41	49.50	43.59	37.14
270.0	75.74	70.29	64.38	58.93	53.26	46.81	40.44	35.07	29.54
300.0	82.88	77.50	71.75	66.22	61.31	55.86	50.88	44.35	38.06
330.0	89.32	81.03	73.51	67.45	61.62	56.40	51.11	45.35	39.75
360.0	94.23	84.41	76.28	69.29	63.77	58.17	52.64	47.42	42.67

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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	36.99	31.77	25.48	19.80	13.81	8.13	2.15	1.23	0.54
30.0	35.30	29.54	24.71	19.57	12.74	7.67	3.15	1.07	0.54
60.0	32.31	26.32	21.79	16.73	10.74	6.75	2.61	0.84	0.38
90.0	25.48	21.79	17.73	12.89	8.98	4.99	1.46	0.84	0.38
120.0	30.77	24.94	20.57	15.58	9.44	5.83	2.07	0.69	0.31
150.0	33.61	27.78	22.71	17.42	10.90	6.91	2.23	0.77	0.23
180.0	35.38	28.78	23.48	16.96	11.89	5.45	1.46	0.92	0.23
210.0	32.31	27.09	22.33	16.35	9.82	5.68	1.30	0.69	0.31
240.0	31.23	25.63	21.18	16.11	10.36	6.14	2.00	0.69	0.31
270.0	24.79	21.03	16.65	11.74	8.21	4.30	1.23	0.77	0.31
300.0	31.92	26.40	21.87	16.96	11.13	6.68	2.61	0.84	0.38
330.0	34.22	28.09	23.10	18.03	11.20	6.98	2.53	0.92	0.46
360.0	36.99	31.77	25.48	19.80	13.81	8.13	2.15	1.23	0.54
C/γ(°)	90.0								
0.0	0.15								
30.0	0.15								
60.0	0.08								
90.0	0.08								
120.0	0.08								
150.0	0.08								
180.0	0.08								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	0.15								