

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3313A-27-UN (2515-OL-27WN-AA, P1)

报告编号:

电压(V): 220.3000

测试编号: 20210327003

电流(A): 0.1540

光源规格型号: OL

功率(W): 32.8000

每个光源光通量(lm)

功率因数: 0.9660

光源数量: 27

镇流器型号:

发光面长度(mm): 900

发光面宽度(mm): 40

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2825.02

灯具效能(lm/w): 86.13

中心光强(cd): 15539.360

最大光强(cd): 15869.340

最大光强角度: C=150.0 $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=25.0

[C90/270]Total=12.5

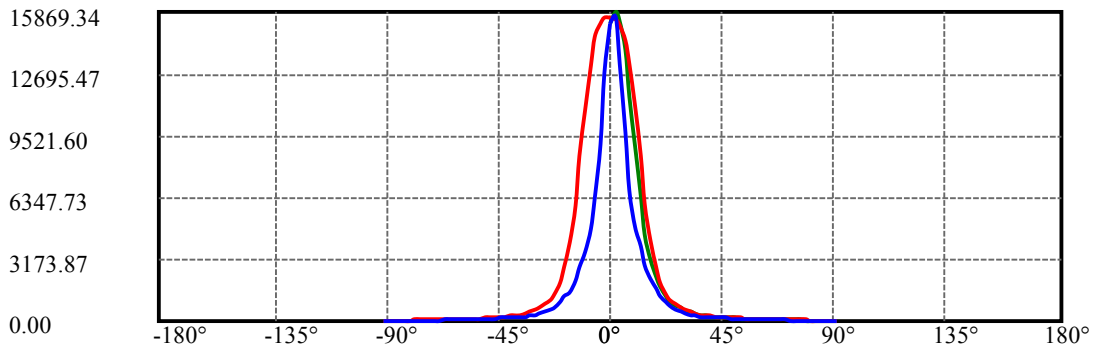
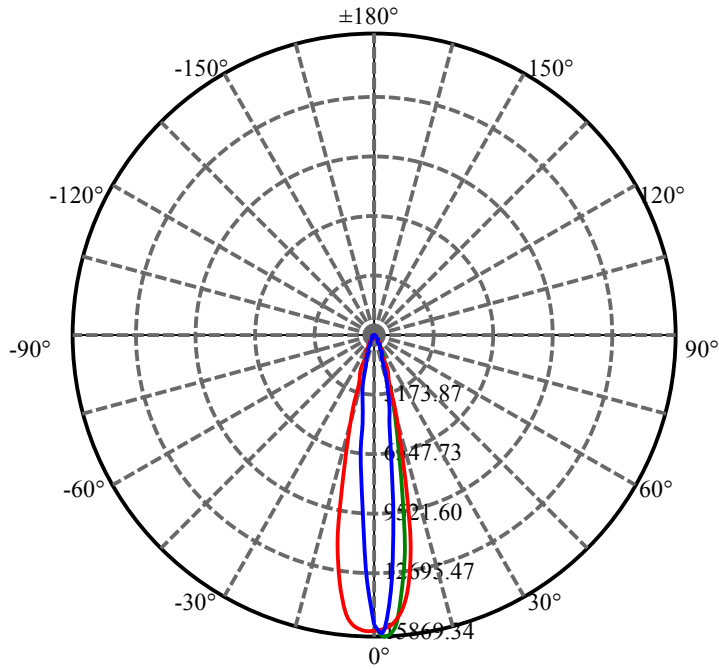
光束扩散角(10%Imax): [C0/180]Total=43.0

[C90/270]Total=34.8

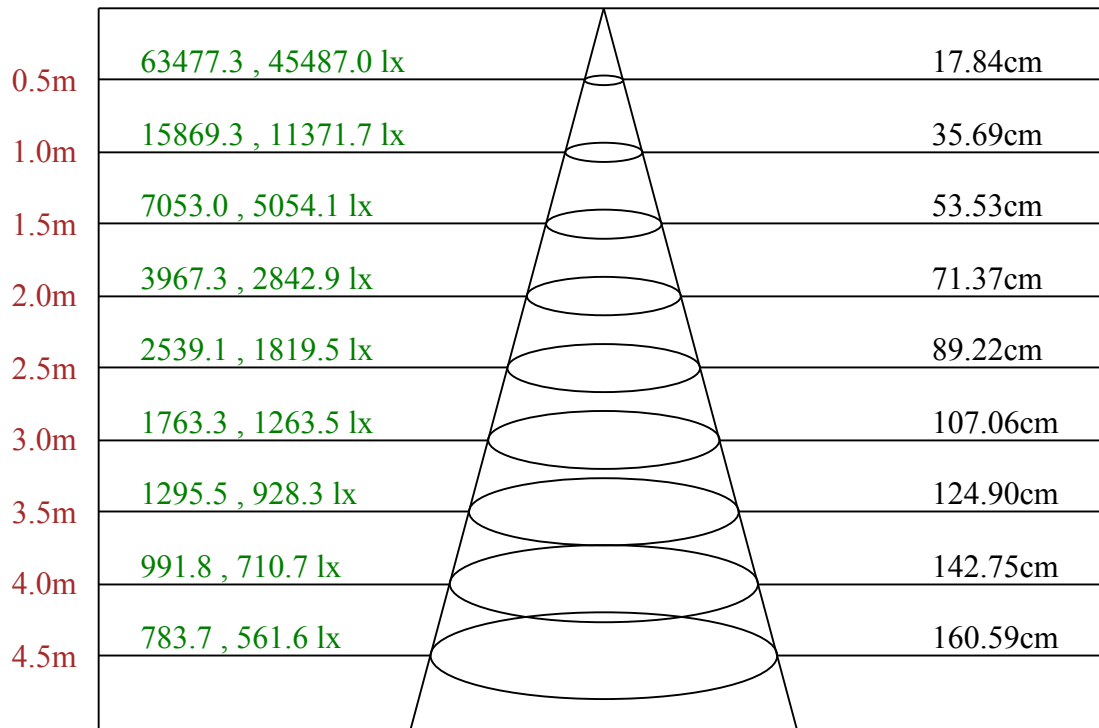
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/27
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

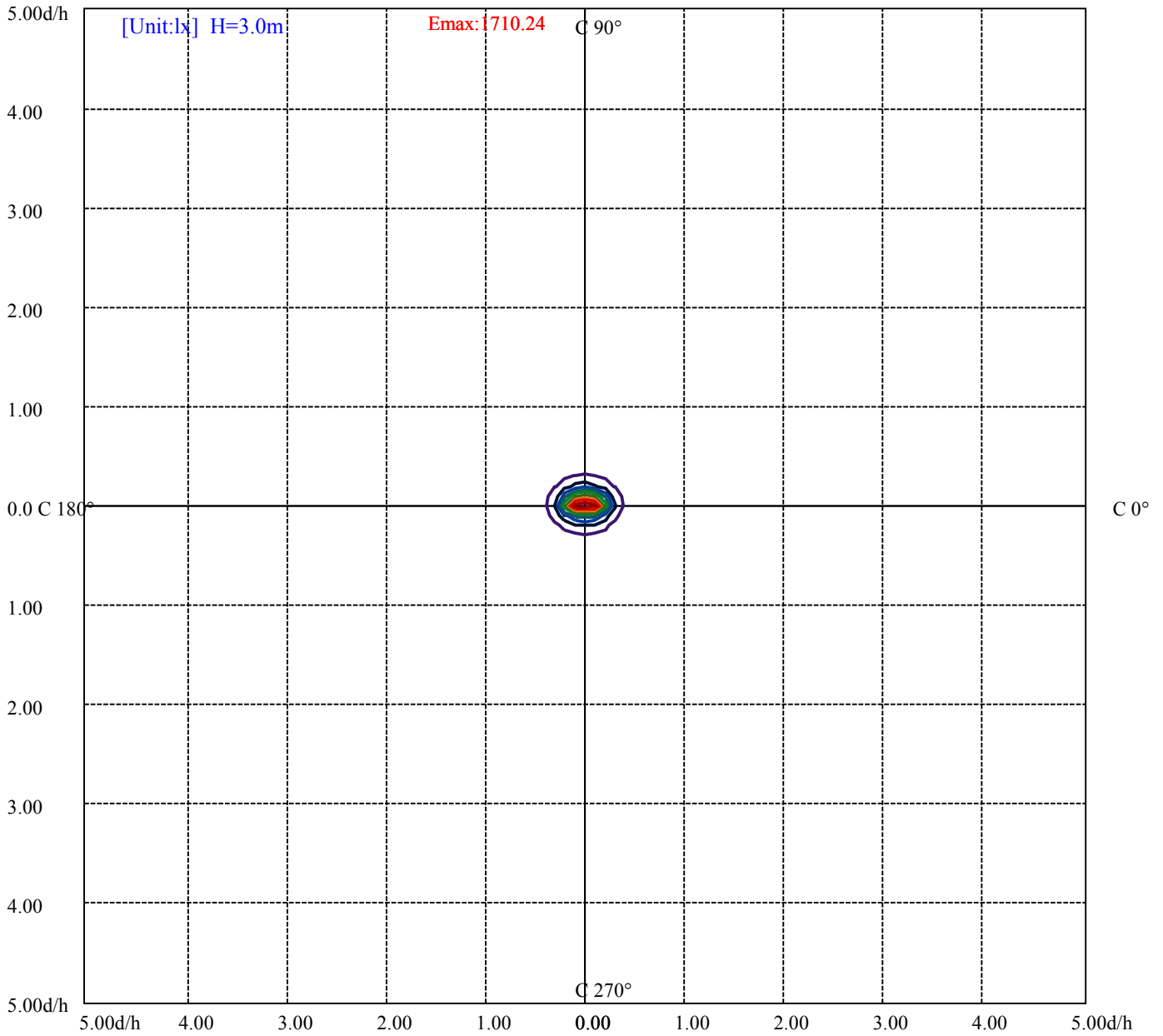


C150(Max): —
C0/C180: —
C90/C270: —



Max , Ave C150面光束角20.22

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平面等照度曲线



- (10%Emax) 171.0233
- (20%Emax) 342.0455
- (30%Emax) 513.0689
- (40%Emax) 684.0911
- (50%Emax) 855.1144
- (60%Emax) 1026.138
- (70%Emax) 1197.156
- (80%Emax) 1368.178
- (90%Emax) 1539.211

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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

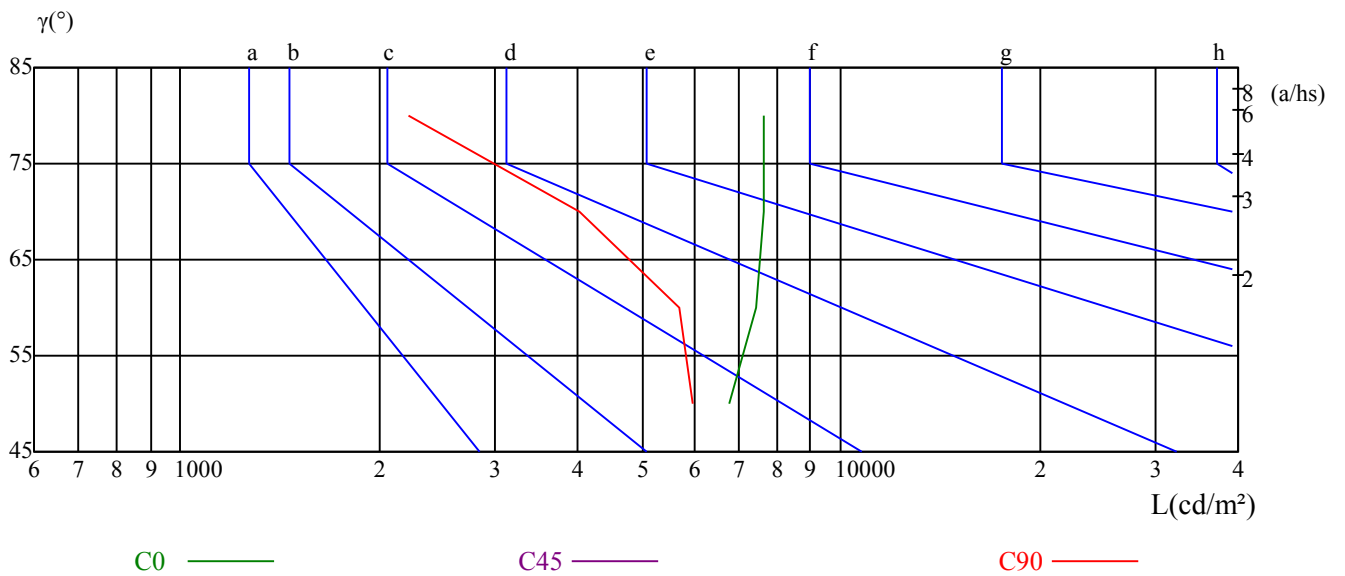
γ	45	50	55	60	65	70	75	80	85
C0	0	6792	0	7426	0	7672	0	7635	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5953	0	5687	0	4007	0	2210	0

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)							
		a	b	c	d	e	f	g	h
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

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	10.61	11.69	10.97	12.00	12.32	11.73	12.82	12.09	13.13	13.44
	3H	11.77	12.73	12.15	13.07	13.43	13.99	14.95	14.37	15.28	15.65
	4H	11.94	12.83	12.34	13.19	13.57	14.87	15.77	15.28	16.12	16.51
	6H	12.00	12.82	12.41	13.19	13.59	15.51	16.33	15.93	16.70	17.10
	8H	12.01	12.78	12.44	13.17	13.58	15.73	16.51	16.17	16.90	17.31
	12H	12.06	12.80	12.49	13.18	13.61	16.04	16.78	16.47	17.16	17.59
4H	2H	11.43	12.33	11.84	12.68	13.07	12.28	13.18	12.69	13.53	13.92
	3H	12.68	13.41	13.09	13.82	14.23	14.71	15.45	15.13	15.86	16.27
	4H	12.87	13.53	13.30	13.95	14.40	15.70	16.36	16.14	16.78	17.23
	6H	12.93	13.50	13.40	13.95	14.42	16.30	16.87	16.77	17.32	17.79
	8H	12.95	13.48	13.42	13.93	14.40	16.56	17.08	17.03	17.53	18.01
	12H	13.01	13.46	13.50	13.95	14.43	16.86	17.32	17.35	17.80	18.28
8H	4H	13.20	13.72	13.67	14.17	14.65	15.74	16.27	16.21	16.71	17.19
	6H	13.29	13.71	13.80	14.21	14.70	16.39	16.81	16.89	17.31	17.79
	8H	13.33	13.70	13.86	14.23	14.72	16.68	17.05	17.21	17.57	18.07
	12H	14.18	14.50	14.70	15.00	15.58	17.48	17.80	18.00	18.30	18.88
12H	4H	13.20	13.66	13.69	14.14	14.62	15.69	16.15	16.18	16.63	17.11
	6H	13.67	13.68	13.84	14.15	14.70	16.71	16.72	16.88	17.19	17.73
	8H	13.38	13.70	13.90	14.20	14.78	16.66	16.98	17.18	17.48	18.05
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.5					0.3/-0.7					
S = 1.5H	1.1/-0.7					0.8/-0.5					
S = 2.0H	1.4/-1.4					1.0/-0.6					
标准表格	BK3					BK3					
更正系数	-0.7					1.4					

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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	15539.36	15439.61	15155.68	14434.34	13160.50	11050.21	8433.46	6000.88	4097.79
30.0	15290.73	15823.29	15378.22	13996.94	11894.33	9223.86	6683.84	4688.67	3208.40
60.0	15493.32	15256.97	13495.84	10368.02	7490.36	5306.41	3889.83	2940.58	2220.02
90.0	15247.76	15593.08	13160.50	9615.22	6691.52	4842.14	3882.92	2858.48	2180.88
120.0	15577.73	15310.69	13426.78	10295.88	7312.33	5315.61	3948.15	3015.79	2262.99
150.0	15295.34	15869.34	15355.19	13851.14	11502.97	8924.58	6445.96	4481.48	3188.45
180.0	15539.36	15547.04	15312.99	14613.91	13093.74	10866.04	8438.07	5946.40	4015.68
210.0	15290.73	14254.01	12466.79	10444.75	8205.55	6092.20	4433.90	3267.49	2385.00
240.0	15493.32	13475.12	10359.58	7581.67	5517.43	4120.81	3118.62	2428.75	1860.12
270.0	15247.76	12668.61	9068.85	6333.15	4711.69	3569.07	2742.60	2106.45	1516.87
300.0	15577.73	13490.47	10490.03	7497.26	5402.33	4074.77	3071.04	2356.61	1802.57
330.0	15295.34	14268.59	12505.16	10262.12	7926.23	5891.91	4238.22	3064.13	2244.57
360.0	15539.36	15439.61	15155.68	14434.34	13160.50	11050.21	8433.46	6000.88	4097.79
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2718.81	1942.23	1422.72	1084.30	861.76	695.24	574.00	478.08	402.87
30.0	2310.57	1697.44	1286.12	1004.50	801.14	656.87	538.70	451.98	389.83
60.0	1619.16	1301.55	1020.76	800.53	644.52	522.12	430.73	361.59	311.94
90.0	1693.60	1293.03	994.52	752.03	595.48	475.77	392.90	327.36	278.56
120.0	1759.59	1355.80	1058.83	824.55	650.73	528.49	433.41	362.20	308.64
150.0	2300.59	1729.67	1293.03	1019.08	808.81	658.41	537.93	446.61	387.52
180.0	2714.21	1924.58	1420.57	1102.11	867.83	699.46	579.52	474.85	400.80
210.0	1797.19	1403.53	1084.76	873.04	706.37	573.38	474.93	401.49	338.64
240.0	1421.95	1118.83	867.13	686.80	547.14	449.68	390.59	321.84	277.33
270.0	1250.67	962.67	729.77	572.54	463.80	372.10	313.32	268.43	236.12
300.0	1394.32	1081.23	846.42	663.01	534.09	435.10	390.59	313.55	270.50
330.0	1719.69	1328.02	1043.17	829.84	670.99	546.53	459.35	387.52	329.59
360.0	2718.81	1942.23	1422.72	1084.30	861.76	695.24	574.00	478.08	402.87
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	342.63	297.13	256.15	226.53	202.20	182.41	168.21	157.16	149.02
30.0	323.91	278.86	244.56	216.63	194.30	177.88	164.60	155.09	147.03
60.0	270.73	238.42	214.25	194.30	178.65	164.83	154.93	145.95	138.97
90.0	244.95	218.40	198.06	182.10	169.67	157.93	147.72	137.74	129.15
120.0	269.66	237.12	213.79	193.92	177.49	164.53	154.86	146.88	140.05
150.0	323.45	278.10	242.11	215.56	193.38	177.11	163.99	153.94	147.03
180.0	339.26	293.21	254.92	224.30	200.36	181.02	166.67	155.70	147.72
210.0	290.99	255.08	224.38	201.97	182.25	168.44	157.54	149.64	143.35
240.0	242.72	217.93	196.68	179.49	166.29	156.16	147.34	140.51	133.75
270.0	211.87	193.15	178.57	166.44	155.24	144.19	134.98	126.77	120.02
300.0	238.42	213.94	193.69	177.34	165.37	155.24	146.65	140.20	133.75
330.0	286.54	249.47	220.85	198.14	180.41	166.44	156.24	149.02	143.12
360.0	342.63	297.13	256.15	226.53	202.20	182.41	168.21	157.16	149.02
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	143.65	141.20	138.28	133.68	127.46	119.56	111.65	103.44	94.46
30.0	141.58	137.28	133.60	128.77	122.40	115.18	106.74	97.92	88.63
60.0	132.22	126.00	120.55	115.49	109.04	101.14	92.62	81.11	63.31
90.0	121.78	115.95	109.58	102.37	94.77	87.33	75.05	60.09	49.34
120.0	133.98	127.77	122.09	116.72	110.81	103.44	94.85	84.26	65.61
150.0	141.43	137.36	133.83	129.84	123.93	116.56	108.89	100.45	91.16
180.0	142.81	140.81	138.66	134.83	128.69	121.09	113.34	104.90	96.31
210.0	139.05	135.67	131.60	126.54	119.63	111.96	103.37	94.23	85.26
240.0	127.69	122.32	117.64	111.81	104.75	96.31	85.95	68.60	48.42
270.0	114.42	108.12	99.99	92.85	85.10	71.14	56.17	46.20	35.91
300.0	127.92	122.63	117.72	111.35	104.52	95.08	84.56	66.68	48.57
330.0	139.20	135.60	131.45	125.70	118.87	110.50	101.60	92.78	83.18
360.0	143.65	141.20	138.28	133.68	127.46	119.56	111.65	103.44	94.46

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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	85.64	77.04	66.45	56.71	47.73	38.06	28.24	18.11	7.52
30.0	79.81	69.91	59.63	46.73	25.94	12.28	5.99	3.99	2.99
60.0	46.58	35.68	24.94	14.96	11.89	9.36	7.83	6.68	3.76
90.0	38.98	29.31	20.72	15.73	13.81	10.74	9.98	7.98	4.45
120.0	47.73	36.30	26.01	15.12	11.82	9.36	7.75	6.52	3.84
150.0	81.73	72.21	61.08	47.88	27.17	12.51	6.22	4.22	3.38
180.0	87.25	77.20	66.68	57.02	47.27	38.22	28.01	18.11	7.21
210.0	75.43	64.61	52.26	32.77	16.19	7.67	5.22	3.99	2.15
240.0	37.52	27.32	16.65	12.28	10.13	7.90	7.06	4.45	1.46
270.0	26.93	18.49	14.96	12.82	10.28	9.75	7.29	4.22	0.77
300.0	37.29	26.78	16.35	11.97	9.82	7.83	6.91	4.30	1.38
330.0	73.74	62.23	50.88	30.54	15.27	6.75	4.68	3.53	1.69
360.0	85.64	77.04	66.45	56.71	47.73	38.06	28.24	18.11	7.52
C/γ(°)	90.0								
0.0	0.31								
30.0	0.77								
60.0	1.00								
90.0	1.15								
120.0	1.00								
150.0	1.00								
180.0	0.38								
210.0	0.61								
240.0	0.23								
270.0	0.23								
300.0	0.23								
330.0	0.23								
360.0	0.31								