

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2225A1-16-36DC-RC-Y(45-CL-16RGBWN-C, CT)

报告编号:

电压(V): 35.6000

测试编号: 20210317006

电流(A): 0.7840

光源规格型号: CL

功率(W): 27.9000

每个光源光通量(lm)

功率因数: 1.0350

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): 1307.29

灯具效能(lm/w): 46.86

中心光强(cd): 1351.963

最大光强(cd): 1356.797

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=50.6

[C90/270]Total=49.3

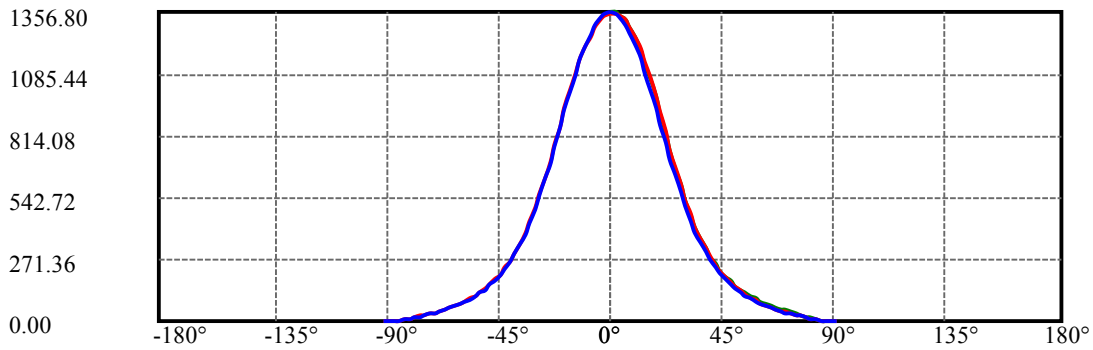
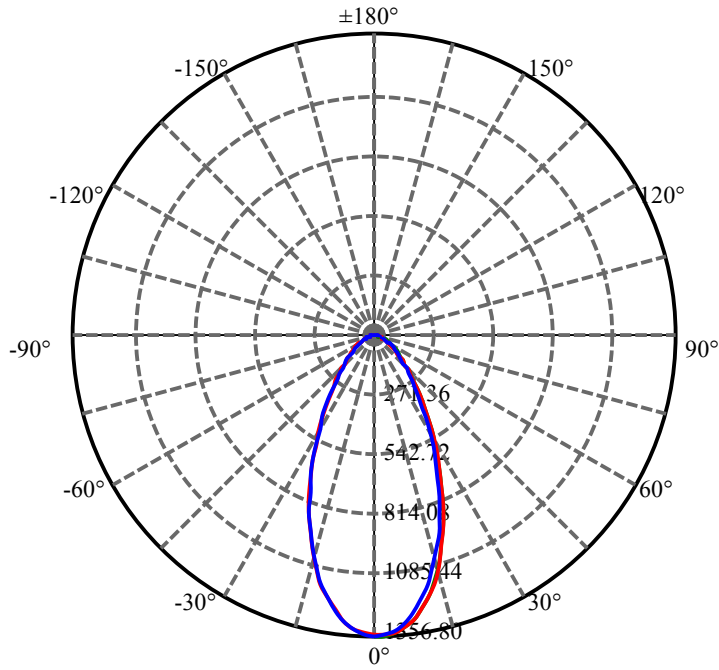
光束扩散角(10%Imax): [C0/180]Total=102.8

[C90/270]Total=101.4

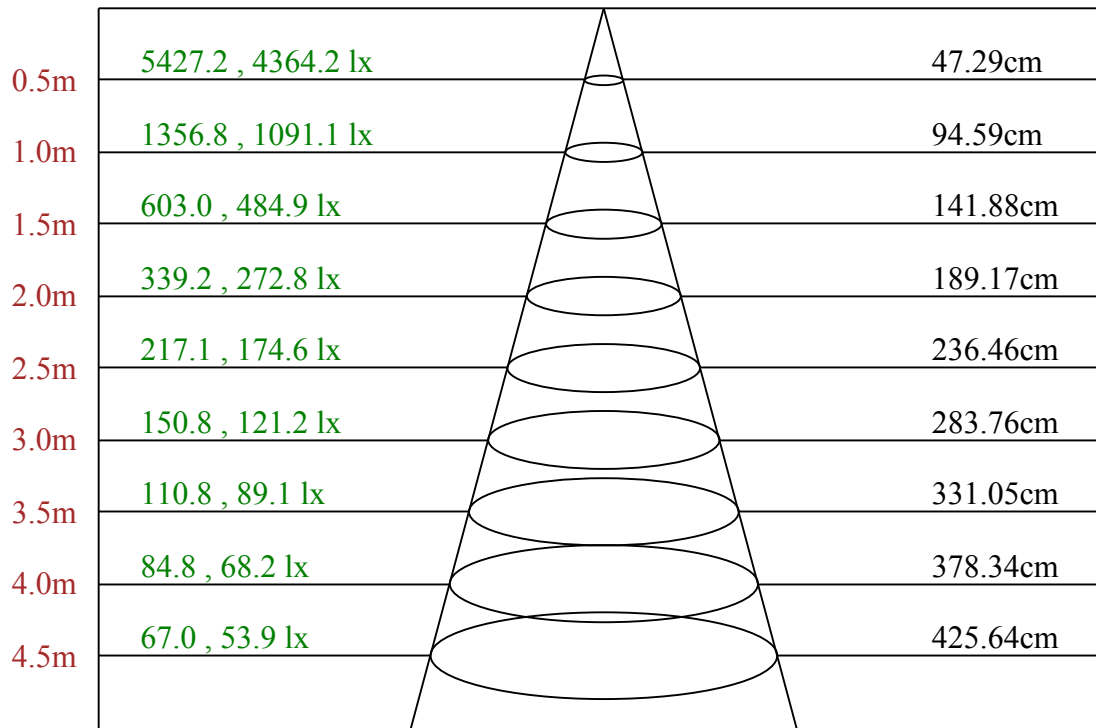
测试设备: GMS1800
环境温度(°C): 25.0

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

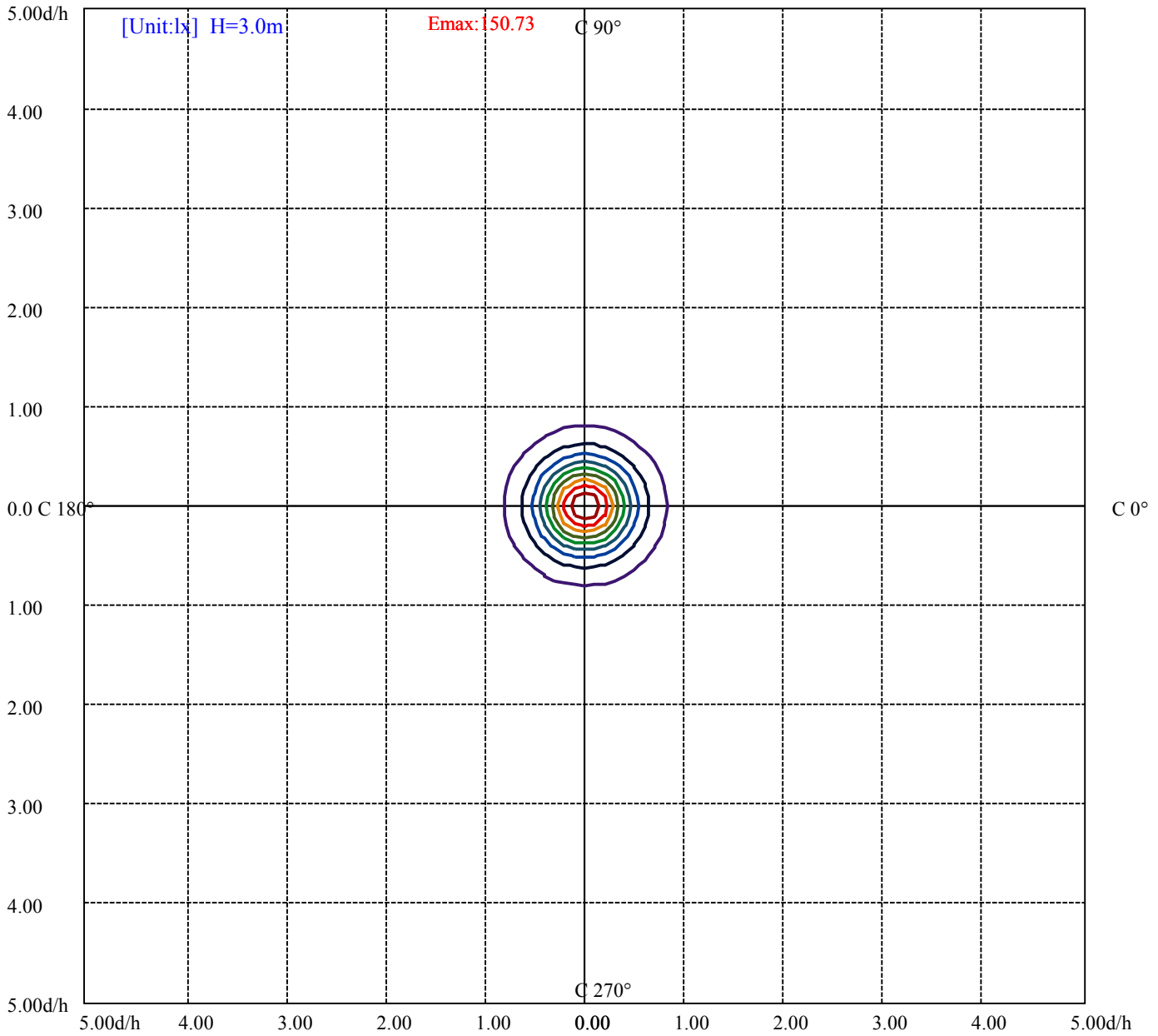


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角50.62

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平面等照度曲线



- (10%Emax) 15.07256 —
- (20%Emax) 30.14511 —
- (30%Emax) 45.21767 —
- (40%Emax) 60.29012 —
- (50%Emax) 75.36266 —
- (60%Emax) 90.43522 —
- (70%Emax) 105.5078 —
- (80%Emax) 120.58 —
- (90%Emax) 135.6533 —

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环境湿度(%): 60.0%

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

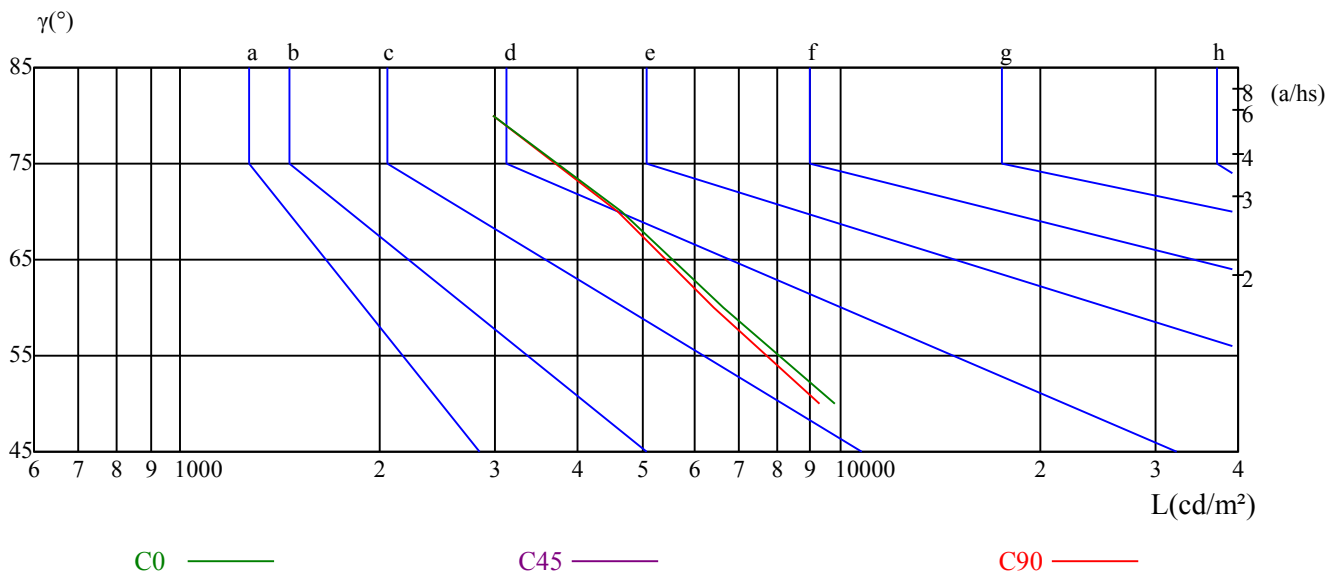
γ	45	50	55	60	65	70	75	80	85
C0	0	9829	0	6656	0	4669	0	2980	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9292	0	6439	0	4595	0	2980	0

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	15.77	17.02	16.13	17.34	17.65	15.96	17.22	16.33	17.53	17.85
	3H	16.88	17.99	17.26	18.33	18.69	17.07	18.18	17.45	18.51	18.88
	4H	17.24	18.27	17.64	18.63	19.01	17.43	18.46	17.83	18.81	19.20
	6H	17.42	18.37	17.83	18.74	19.13	17.59	18.54	18.00	18.91	19.31
	8H	17.43	18.33	17.86	18.72	19.13	17.60	18.50	18.03	18.89	19.29
	12H	17.43	18.29	17.86	18.67	19.10	17.59	18.45	18.02	18.83	19.26
4H	2H	16.24	17.28	16.65	17.63	18.02	16.40	17.44	16.81	17.79	18.18
	3H	17.60	18.45	18.01	18.86	19.26	17.76	18.61	18.18	19.02	19.42
	4H	18.06	18.82	18.50	19.24	19.68	18.22	18.98	18.66	19.40	19.85
	6H	18.27	18.92	18.73	19.37	19.84	18.41	19.07	18.88	19.51	19.98
	8H	18.30	18.90	18.77	19.35	19.82	18.43	19.04	18.90	19.49	19.96
	12H	18.29	18.83	18.78	19.31	19.79	18.42	18.96	18.91	19.44	19.92
8H	4H	18.23	18.84	18.70	19.28	19.76	18.37	18.98	18.84	19.43	19.90
	6H	18.50	19.00	19.01	19.49	19.98	18.62	19.11	19.12	19.61	20.09
	8H	18.56	19.00	19.08	19.51	20.01	18.65	19.09	19.18	19.61	20.10
	12H	19.17	19.55	19.69	20.05	20.62	19.27	19.66	19.79	20.15	20.73
12H	4H	18.20	18.74	18.69	19.22	19.70	18.35	18.88	18.84	19.37	19.84
	6H	19.02	18.93	19.02	19.40	19.94	19.13	19.04	19.13	19.51	20.06
	8H	18.57	18.95	19.09	19.45	20.02	18.66	19.05	19.18	19.55	20.12
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.9					0.5/-0.9					
S = 1.5H	1.2/-1.5					1.2/-1.5					
S = 2.0H	3.0/-2.1					3.1/-2.1					
标准表格	BK3					BK2					
更正系数	2.4					2.0					

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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	1351.96	1350.97	1339.99	1319.43	1288.42	1245.99	1193.04	1136.10	1066.58
30.0	1356.80	1355.42	1342.91	1319.89	1287.35	1243.07	1189.43	1126.51	1059.67
60.0	1356.26	1350.58	1333.39	1306.69	1266.32	1216.44	1161.65	1094.97	1026.21
90.0	1354.80	1348.74	1330.94	1300.93	1261.64	1210.15	1150.68	1083.46	1014.24
120.0	1353.65	1344.83	1323.57	1291.26	1249.83	1197.18	1140.55	1072.25	999.81
150.0	1352.73	1345.21	1325.87	1295.94	1255.50	1208.00	1150.22	1087.91	1015.85
180.0	1351.96	1342.52	1322.57	1292.80	1251.44	1204.01	1146.61	1083.00	1010.56
210.0	1356.80	1347.67	1328.33	1298.02	1257.42	1205.70	1146.84	1083.92	1009.25
240.0	1356.26	1349.20	1330.63	1299.63	1260.95	1210.23	1149.30	1083.53	1014.16
270.0	1354.80	1347.90	1327.33	1296.94	1254.74	1201.10	1143.31	1076.24	1000.81
300.0	1353.65	1350.89	1335.00	1306.84	1270.93	1222.28	1166.56	1099.88	1031.05
330.0	1352.73	1350.58	1336.00	1312.29	1277.53	1231.10	1176.00	1115.99	1043.48
360.0	1351.96	1350.97	1339.99	1319.43	1288.42	1245.99	1193.04	1136.10	1066.58
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	989.76	915.71	834.06	751.18	673.99	602.47	531.87	473.01	415.38
30.0	984.62	909.26	827.54	747.73	669.31	598.25	529.87	467.10	413.08
60.0	947.17	871.43	791.63	713.58	641.37	569.93	507.31	443.77	392.74
90.0	938.73	860.08	784.87	708.29	637.38	566.48	501.79	442.24	391.13
120.0	923.84	844.50	769.68	693.25	622.73	552.82	488.74	430.11	380.39
150.0	940.34	865.37	785.87	708.67	633.39	565.33	500.25	443.31	389.67
180.0	934.82	854.78	779.42	702.00	626.49	559.49	495.03	439.09	383.69
210.0	936.58	858.23	776.74	699.77	628.86	556.50	492.73	437.40	383.61
240.0	936.05	858.62	782.65	703.22	630.09	558.65	496.26	438.56	387.99
270.0	924.30	849.95	768.83	692.63	622.42	551.05	490.58	432.88	379.08
300.0	953.23	879.57	799.15	718.80	647.67	571.00	506.85	447.69	395.43
330.0	967.51	892.61	809.12	733.46	656.49	580.98	514.07	455.51	398.81
360.0	989.76	915.71	834.06	751.18	673.99	602.47	531.87	473.01	415.38
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	364.12	320.46	283.01	248.55	219.70	194.38	171.36	151.79	133.68
30.0	363.35	319.54	280.94	249.40	220.39	196.22	174.12	154.63	137.59
60.0	345.55	305.80	269.27	237.73	211.57	187.39	166.67	148.41	133.06
90.0	343.63	301.58	266.36	234.59	206.88	182.33	162.15	143.50	127.00
120.0	334.50	293.98	260.45	229.98	203.35	180.41	161.46	143.88	128.69
150.0	342.71	301.66	267.35	236.28	209.11	186.78	166.29	148.49	132.76
180.0	339.56	298.43	264.21	233.05	205.73	182.79	160.84	143.35	126.77
210.0	340.25	299.81	263.44	233.13	206.58	183.86	163.76	146.72	130.68
240.0	340.41	300.27	263.98	232.82	207.81	183.86	164.30	146.80	130.91
270.0	333.42	294.67	257.99	227.53	201.90	177.49	158.00	138.90	123.24
300.0	346.39	307.03	267.74	237.20	209.95	185.47	165.60	147.64	132.07
330.0	350.92	310.56	272.34	240.65	212.72	189.00	168.21	149.72	133.83
360.0	364.12	320.46	283.01	248.55	219.70	194.38	171.36	151.79	133.68
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	118.25	103.98	90.78	79.96	69.98	60.55	51.64	44.66	38.37
30.0	123.39	110.27	98.30	88.17	78.81	70.52	62.54	54.48	46.96
60.0	119.02	106.67	96.08	85.87	76.74	68.22	61.01	53.18	45.58
90.0	112.73	99.38	87.94	77.35	67.76	58.63	50.72	43.82	37.75
120.0	116.03	104.13	93.31	83.80	75.51	67.45	60.24	52.64	45.28
150.0	119.71	107.66	96.61	87.10	78.20	70.29	62.69	55.10	47.65
180.0	112.65	99.22	87.17	77.12	67.53	58.17	50.11	43.74	37.75
210.0	117.10	104.82	94.16	84.41	75.66	67.84	60.24	52.34	45.51
240.0	117.10	105.82	94.69	84.72	76.35	67.99	60.78	53.49	45.58
270.0	108.58	95.38	84.18	73.98	65.23	56.10	48.27	41.90	36.30
300.0	117.18	105.67	94.23	84.56	75.82	67.38	60.09	52.41	44.97
330.0	119.86	107.97	95.77	86.02	76.74	68.68	61.08	53.03	45.35
360.0	118.25	103.98	90.78	79.96	69.98	60.55	51.64	44.66	38.37

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	33.15	28.32	22.71	17.42	12.43	7.14	2.69	1.61	0.61
30.0	39.83	33.23	27.32	20.80	13.97	8.59	3.45	1.53	0.69
60.0	38.22	31.16	25.09	19.03	12.82	7.90	3.38	1.38	0.61
90.0	32.61	27.70	22.41	17.04	12.43	7.29	2.76	1.61	0.77
120.0	38.68	31.92	26.01	19.41	13.20	7.67	3.22	1.38	0.61
150.0	39.90	33.07	26.78	20.03	8.44	5.14	2.69	1.07	0.54
180.0	32.69	27.47	21.49	15.19	10.51	6.29	2.38	1.38	0.54
210.0	38.60	32.00	25.86	19.11	12.51	7.44	2.84	1.46	0.54
240.0	38.37	31.46	25.55	19.11	13.28	7.90	3.07	1.30	0.61
270.0	31.23	26.01	20.72	15.65	11.13	5.99	2.15	1.38	0.61
300.0	37.99	31.85	25.86	19.41	13.05	7.52	2.84	1.38	0.61
330.0	37.91	31.00	24.71	18.49	12.35	7.44	2.76	1.23	0.46
360.0	33.15	28.32	22.71	17.42	12.43	7.14	2.69	1.61	0.61

C/γ(°)	90.0
0.0	0.08
30.0	0.08
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	0.08
270.0	0.08
300.0	0.08
330.0	0.08
360.0	0.08