

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1223A1-9-36DC-RC-Y(25-CL-9RGBWN-AJ, CT)

报告编号:

电压(V): 36.2000

测试编号: 20210302011

电流(A): 0.3820

光源规格型号: CR

功率(W): 13.8000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 9

镇流器型号:

发光面长度(mm): 110

发光面宽度(mm): 110

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 551.30

灯具效能(lm/w): 39.95

中心光强(cd): 1460.930

最大光强(cd): 1590.003

最大光强角度: $C=30.0$ $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=25.7

[C90/270]Total=26.0

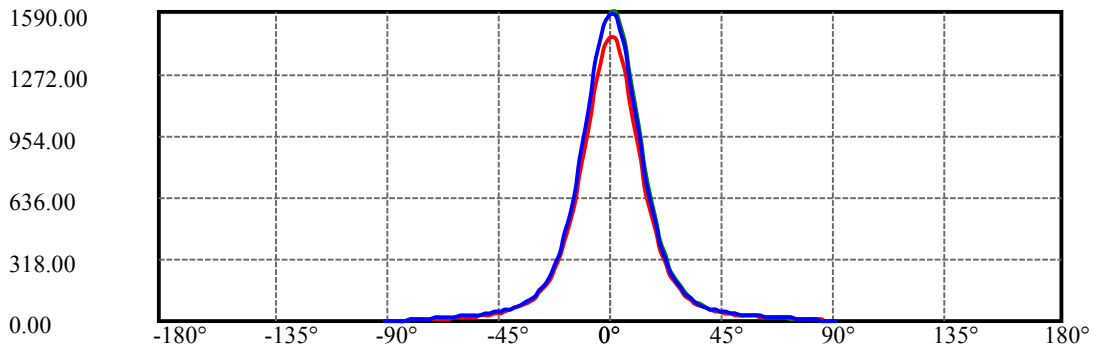
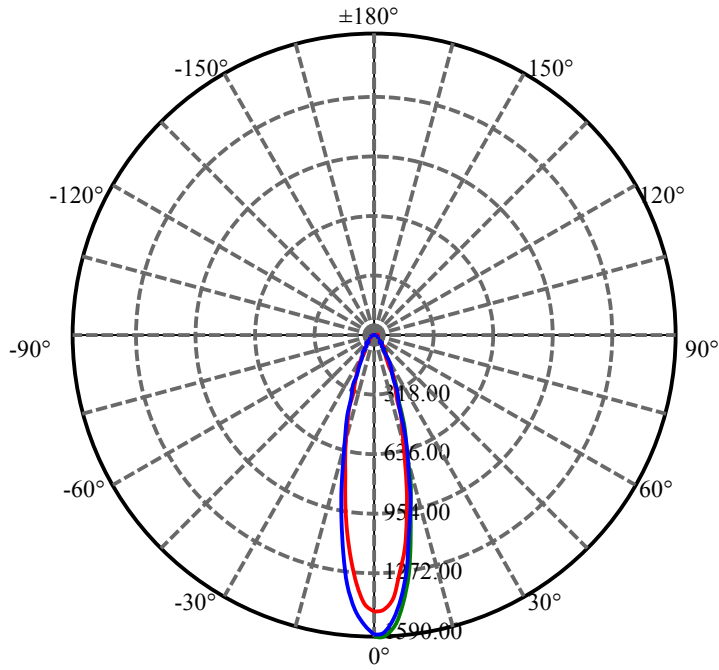
光束扩散角(10%Imax): [C0/180]Total=57.0

[C90/270]Total=56.4

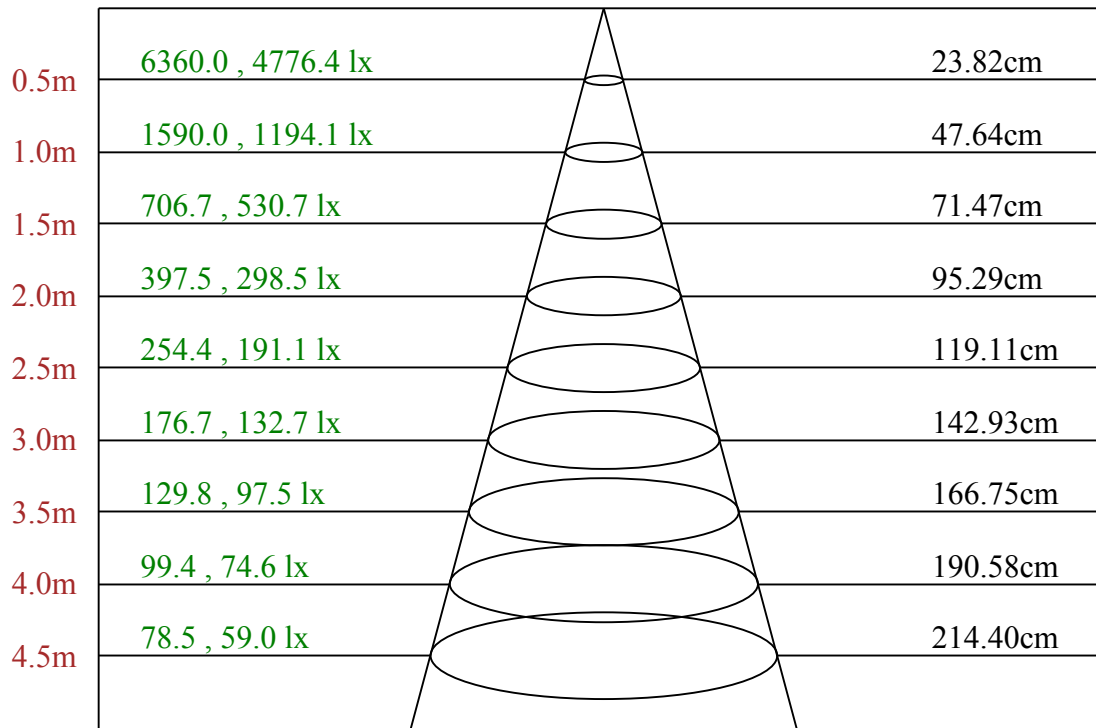
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/2
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

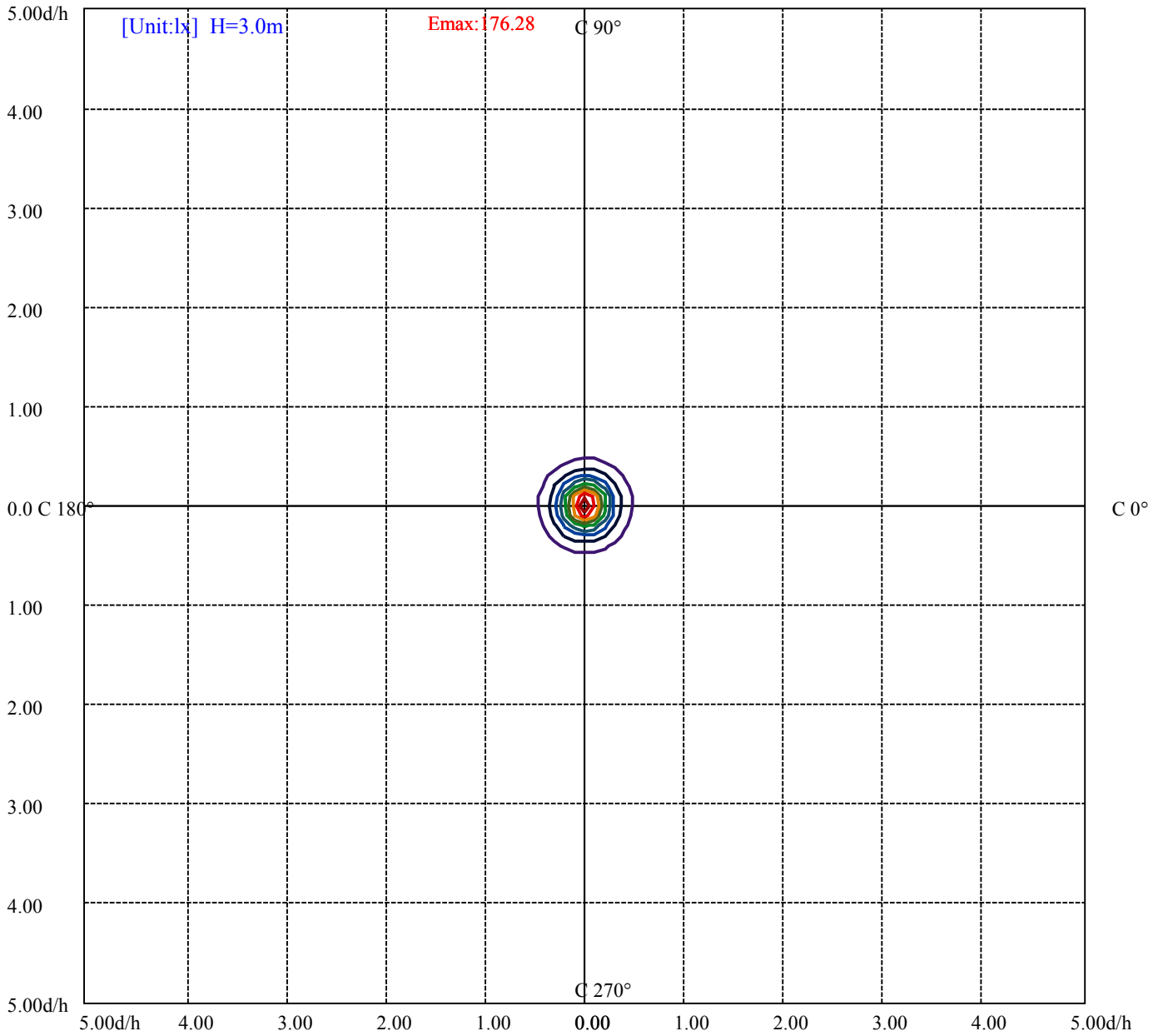


C30(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C30面光束角26.79

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平面等照度曲线



(10%Emax) 17.62833	——
(20%Emax) 35.25667	——
(30%Emax) 52.885	——
(40%Emax) 70.51334	——
(50%Emax) 88.14167	——
(60%Emax) 105.77	——
(70%Emax) 123.3978	——
(80%Emax) 141.0267	——
(90%Emax) 158.6544	——

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灯具的亮度限制曲线(灯具无发光侧边)

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亮度值表

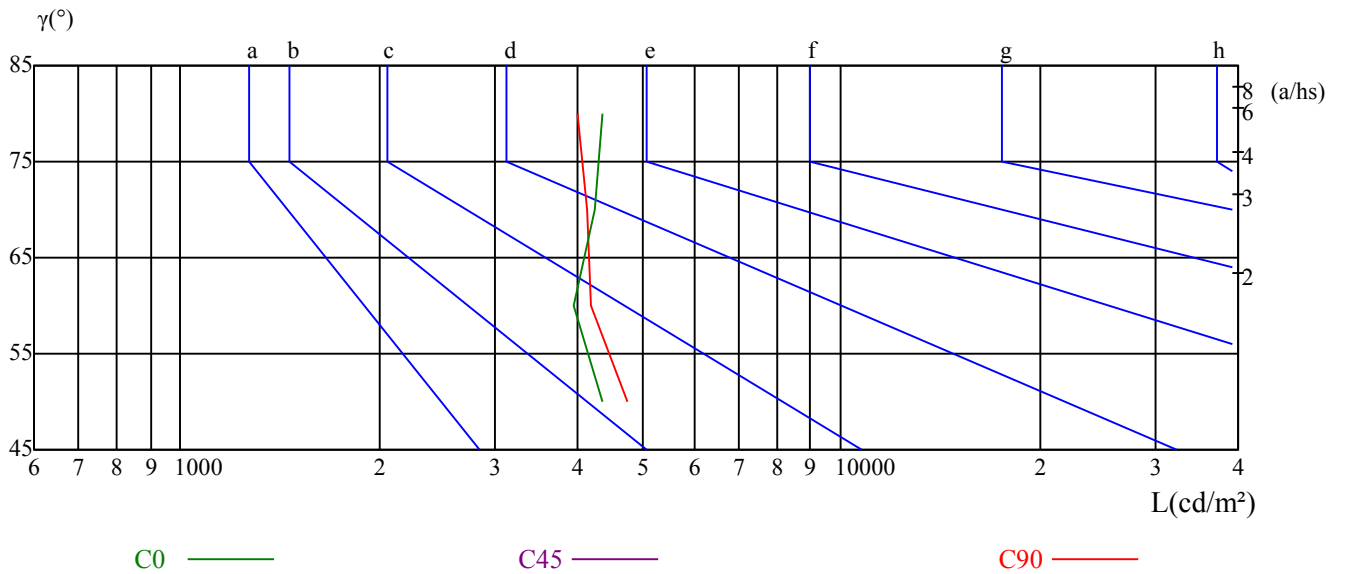
γ	45	50	55	60	65	70	75	80	85
C0	0	4361	0	3932	0	4246	0	4346	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4746	0	4186	0	4135	0	3981	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
267736	224555	0	156075	121292	0	92121	53046	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



测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/2
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

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	15.60	16.73	15.96	17.04	17.36	15.10	16.23	15.46	16.54	16.86
	3H	17.52	18.52	17.90	18.85	19.22	16.86	17.86	17.24	18.20	18.56
	4H	18.28	19.21	18.68	19.57	19.95	17.56	18.49	17.96	18.84	19.23
	6H	18.85	19.70	19.26	20.08	20.47	18.17	19.03	18.59	19.40	19.80
	8H	19.02	19.83	19.45	20.22	20.63	18.40	19.21	18.84	19.61	20.01
	12H	19.19	19.97	19.62	20.35	20.78	18.69	19.47	19.12	19.85	20.28
4H	2H	16.15	17.09	16.55	17.44	17.83	15.76	16.70	16.17	17.05	17.44
	3H	18.28	19.05	18.69	19.46	19.86	17.78	18.55	18.20	18.96	19.37
	4H	19.17	19.86	19.60	20.28	20.72	18.62	19.31	19.05	19.73	20.17
	6H	19.74	20.34	20.21	20.78	21.26	19.22	19.81	19.69	20.26	20.73
	8H	19.96	20.52	20.43	20.97	21.44	19.50	20.05	19.97	20.50	20.98
	12H	20.14	20.63	20.63	21.12	21.59	19.78	20.27	20.27	20.75	21.23
8H	4H	19.43	19.99	19.90	20.44	20.91	18.95	19.51	19.43	19.96	20.43
	6H	20.15	20.60	20.66	21.10	21.58	19.72	20.17	20.23	20.67	21.15
	8H	20.45	20.84	20.97	21.36	21.86	20.08	20.47	20.60	20.99	21.49
	12H	21.09	21.44	21.61	21.93	22.51	20.80	21.14	21.32	21.64	22.22
12H	4H	19.44	19.93	19.93	20.41	20.89	18.97	19.46	19.46	19.94	20.42
	6H	20.62	20.60	20.73	21.07	21.61	20.20	20.18	20.31	20.65	21.20
	8H	20.54	20.88	21.06	21.38	21.96	20.18	20.53	20.70	21.02	21.60
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.4/-0.7					
S = 1.5H	0.9/-0.7					0.9/-0.8					
S = 2.0H	1.5/-0.7					1.2/-0.7					
标准表格	BKBF					BKBF					
更正系数	3.2					3.4					

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光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	1460.93	1453.64	1386.34	1272.31	1138.02	979.56	831.84	682.96	559.80
30.0	1586.17	1590.00	1530.92	1425.02	1280.75	1112.70	943.11	788.86	642.29
60.0	1586.93	1576.96	1518.64	1397.39	1252.13	1082.92	923.15	762.08	617.89
90.0	1584.63	1571.59	1503.29	1395.09	1247.75	1075.09	903.97	753.56	610.83
120.0	1583.10	1543.19	1475.51	1342.91	1188.97	1015.70	857.54	700.92	563.48
150.0	1582.33	1547.03	1456.48	1327.56	1177.92	1006.80	840.28	694.48	558.65
180.0	1460.93	1414.04	1318.81	1194.73	1054.07	899.98	752.87	623.80	506.16
210.0	1586.17	1528.54	1421.41	1286.74	1124.82	954.46	795.85	657.18	529.11
240.0	1586.93	1544.73	1448.81	1314.52	1164.88	996.05	831.07	683.73	557.11
270.0	1584.63	1529.15	1452.87	1324.41	1162.19	989.45	827.08	682.73	547.83
300.0	1583.10	1560.08	1475.66	1344.44	1195.57	1023.68	856.39	703.68	572.46
330.0	1582.33	1556.24	1473.75	1347.97	1187.44	1013.40	848.87	702.38	565.33
360.0	1460.93	1453.64	1386.34	1272.31	1138.02	979.56	831.84	682.96	559.80
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	450.37	367.19	294.06	238.12	195.45	158.62	130.38	108.89	92.16
30.0	517.98	418.99	334.96	268.50	218.78	177.49	145.42	121.40	101.52
60.0	503.01	400.72	318.92	255.77	207.81	168.29	139.59	115.41	96.54
90.0	489.59	393.66	314.47	254.54	202.82	166.21	136.52	114.65	96.69
120.0	455.74	357.83	288.23	231.82	189.16	154.01	127.31	107.20	90.55
150.0	451.98	389.06	288.07	231.75	189.62	154.78	128.00	107.82	91.01
180.0	409.70	333.73	270.27	220.16	180.33	147.80	123.09	103.29	88.25
210.0	425.74	344.94	276.10	226.22	182.18	150.87	125.62	106.28	89.71
240.0	446.61	389.06	290.61	234.74	191.61	158.46	131.45	110.27	93.77
270.0	444.69	356.68	286.00	232.59	189.70	157.31	131.14	110.96	94.31
300.0	458.12	390.59	297.74	240.65	196.68	162.61	134.98	113.34	96.54
330.0	454.36	367.42	293.52	240.34	193.46	160.07	133.06	111.27	94.77
360.0	450.37	367.19	294.06	238.12	195.45	158.62	130.38	108.89	92.16
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	78.73	67.99	59.16	51.87	46.04	41.13	37.29	33.92	31.23
30.0	85.87	73.28	63.69	55.63	48.96	43.74	39.37	35.91	32.77
60.0	81.96	70.83	61.24	53.56	47.73	42.59	38.37	34.99	32.23
90.0	82.95	72.59	64.08	56.86	50.72	45.20	40.67	36.91	33.76
120.0	77.50	66.99	59.01	52.03	46.66	41.98	38.22	35.15	32.46
150.0	78.43	67.22	59.16	52.10	46.43	42.05	38.14	34.99	32.31
180.0	75.59	64.54	55.79	48.04	41.82	36.53	32.31	28.47	25.71
210.0	76.89	66.76	57.94	51.03	45.20	40.67	36.83	33.53	30.93
240.0	80.04	68.99	59.78	52.64	46.73	41.90	37.83	34.53	31.62
270.0	81.57	71.06	62.77	56.17	50.42	45.58	41.36	37.29	33.61
300.0	82.42	71.21	61.70	54.56	48.42	43.66	39.52	36.07	33.15
330.0	81.19	70.45	61.16	53.72	47.73	42.90	38.98	35.53	32.84
360.0	78.73	67.99	59.16	51.87	46.04	41.13	37.29	33.92	31.23
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	28.70	26.63	24.94	23.79	22.33	21.56	20.41	19.11	17.57
30.0	30.31	28.01	26.17	24.33	22.64	21.10	19.49	17.88	16.19
60.0	29.85	27.70	25.94	24.10	22.48	20.95	19.41	17.73	16.27
90.0	31.16	28.93	26.86	25.32	23.56	22.10	20.41	18.80	17.11
120.0	30.23	28.16	26.47	24.79	23.10	21.49	19.95	18.26	16.58
150.0	30.00	27.93	26.24	24.48	22.87	21.33	19.57	17.96	16.27
180.0	23.17	21.18	19.26	18.19	16.58	14.50	12.82	11.05	9.82
210.0	28.62	26.63	24.63	23.02	21.26	19.64	17.96	16.27	14.66
240.0	29.24	27.24	25.17	23.48	21.87	20.11	18.34	16.81	15.12
270.0	30.85	28.62	26.47	24.79	22.94	21.33	19.64	17.88	16.19
300.0	30.85	28.78	26.86	25.02	23.33	21.56	19.88	18.19	16.42
330.0	30.54	28.39	26.32	24.71	22.94	21.18	19.57	17.80	16.04
360.0	28.70	26.63	24.94	23.79	22.33	21.56	20.41	19.11	17.57

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光强数据表(cd)

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C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	16.11	14.50	12.74	10.97	9.13	7.37	5.53	3.38	1.69
30.0	14.66	13.05	11.43	9.75	8.13	6.45	4.53	2.38	0.77
60.0	14.50	12.97	11.36	9.52	7.75	5.99	4.14	2.53	0.54
90.0	15.42	13.66	11.89	10.21	8.36	6.52	4.53	2.46	0.84
120.0	14.96	13.12	11.28	9.36	7.60	5.68	3.91	2.23	0.46
150.0	14.58	12.82	11.13	9.36	7.60	5.76	2.92	1.07	0.23
180.0	9.75	8.06	5.53	5.37	5.76	4.91	3.53	1.69	0.54
210.0	12.97	11.13	9.52	7.90	6.22	4.30	2.30	0.77	0.15
240.0	13.35	11.82	10.05	8.21	6.14	4.37	2.69	0.77	0.15
270.0	14.43	12.51	10.67	8.90	6.91	4.83	2.92	0.92	0.15
300.0	14.50	12.74	10.90	8.98	6.98	5.22	3.30	1.23	0.15
330.0	14.43	12.51	10.67	9.06	7.06	5.29	3.30	1.53	0.31
360.0	16.11	14.50	12.74	10.97	9.13	7.37	5.53	3.38	1.69

C/γ(°)	90.0
0.0	1.30
30.0	0.08
60.0	0.00
90.0	0.08
120.0	0.08
150.0	0.00
180.0	0.31
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.00
360.0	1.30