

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3081A-12-UN-RC-Y (15-XL-12RGBWN-AJ, L380mm, RAL7042, CT)

报告编号:

电压(V): 202.2000

测试编号: 20210224007

电流(A): 0.2820

光源规格型号: XL

功率(W): 55.5000

每个光源光通量(lm)

功率因数: 0.9700

光源数量: 12

镇流器型号:

发光面长度(mm): 320

发光面宽度(mm): 105

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2399.51

灯具效能(lm/w): 43.23

中心光强(cd): 20304.770

最大光强(cd): 20934.020

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=15.6

[C90/270]Total=15.5

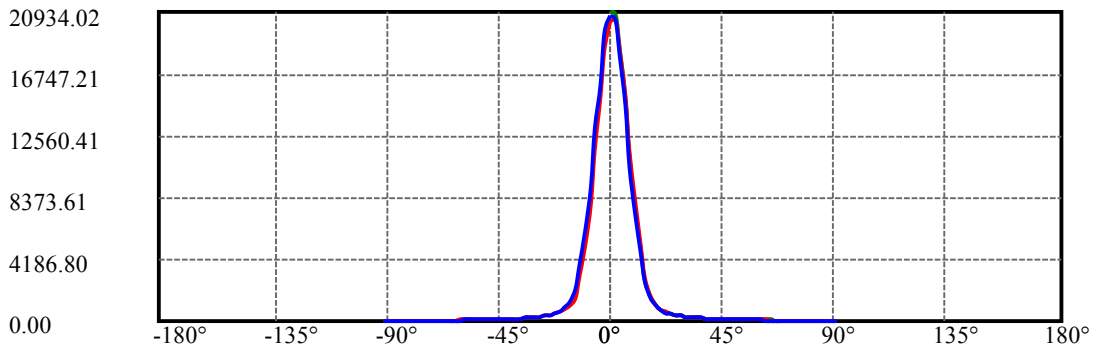
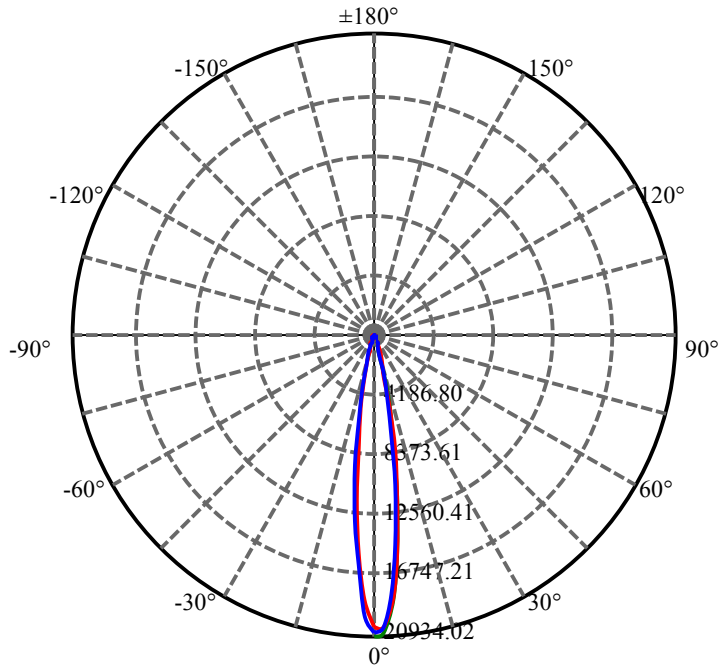
光束扩散角(10%Imax): [C0/180]Total=28.8

[C90/270]Total=29.5

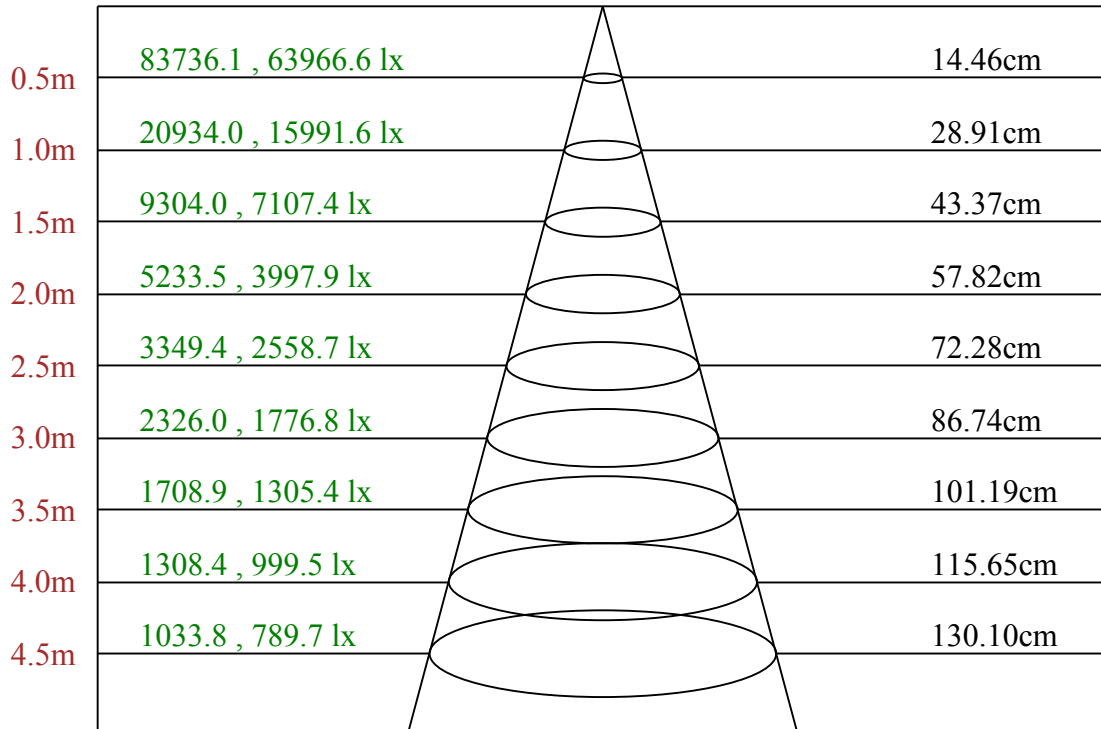
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/24
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

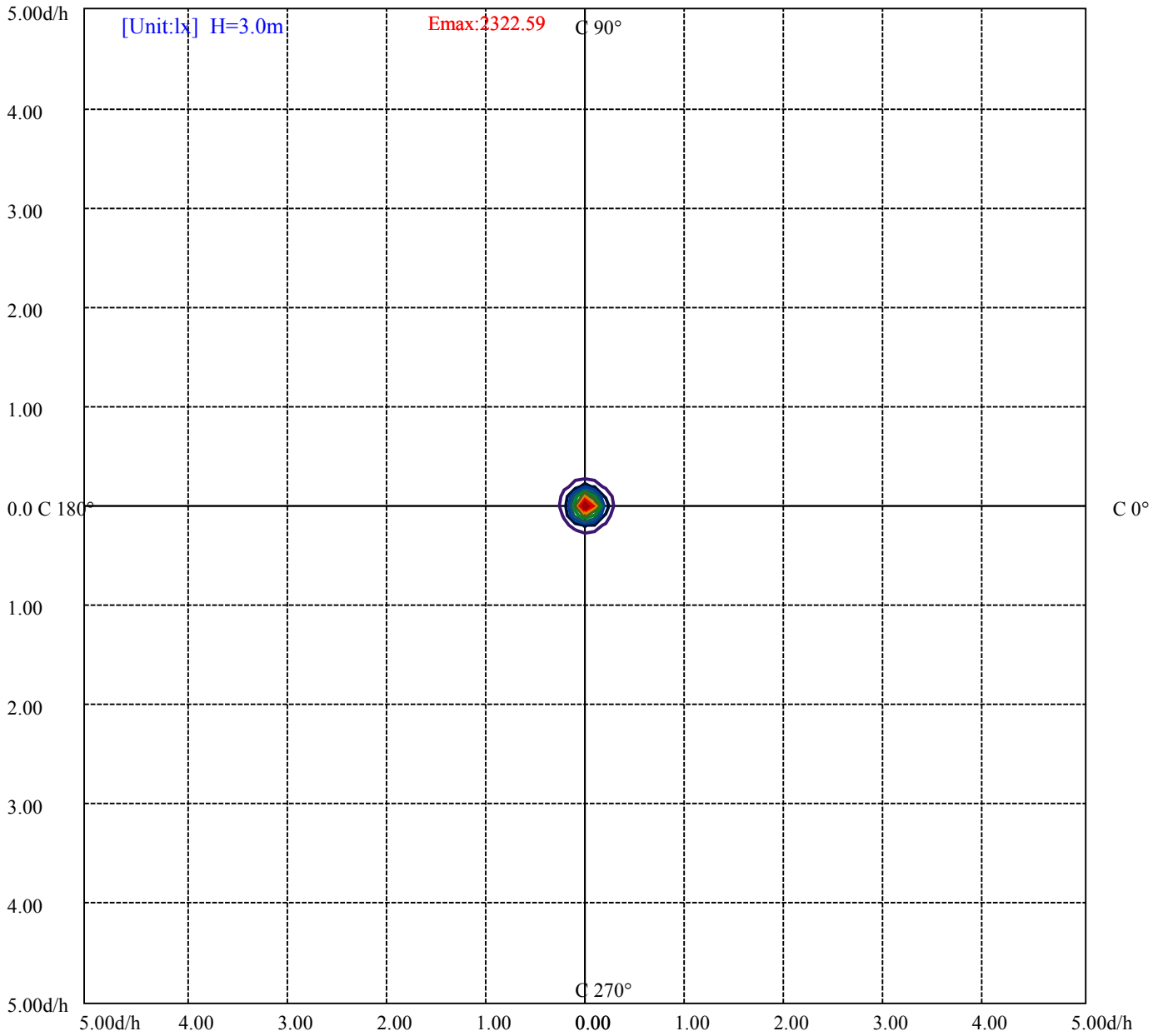


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角16.45

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平面等照度曲线



- (10%Emax) 232.2589
- (20%Emax) 464.5178
- (30%Emax) 696.7756
- (40%Emax) 929.0344
- (50%Emax) 1161.289
- (60%Emax) 1393.556
- (70%Emax) 1625.811
- (80%Emax) 1858.067
- (90%Emax) 2090.333

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

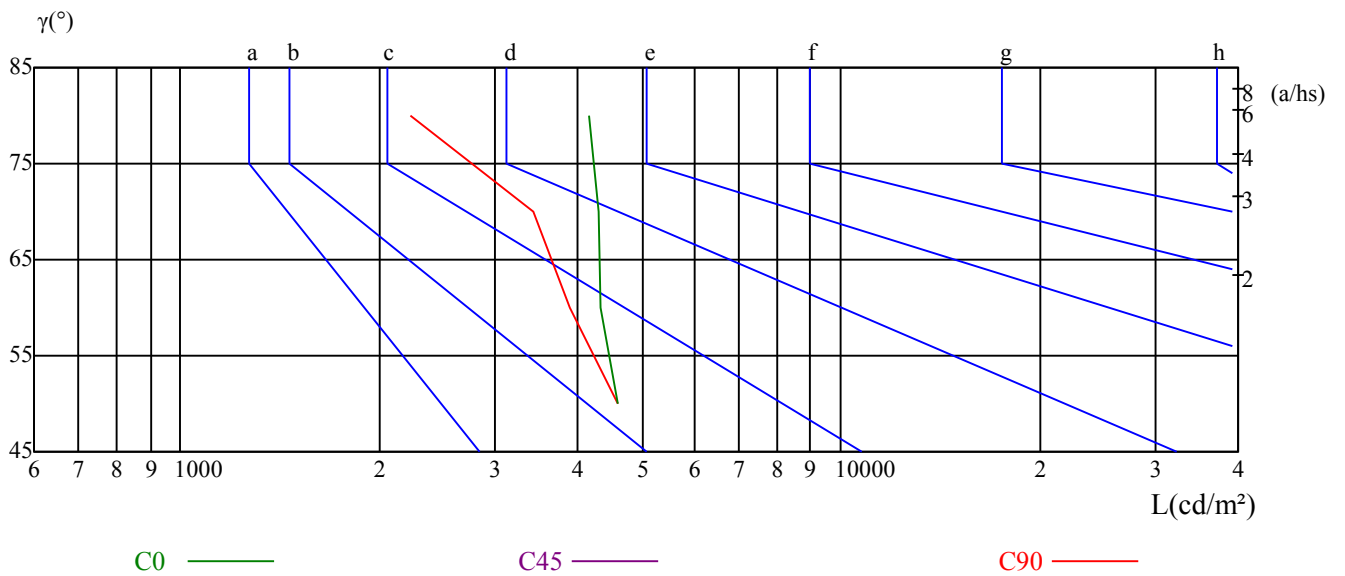
γ	45	50	55	60	65	70	75	80	85
C0	0	4583	0	4326	0	4287	0	4169	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4598	0	3901	0	3432	0	2236	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
460105	520441	0	464181	439125	0	294589	264428	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	8.97	10.00	9.33	10.31	10.63	9.35	10.39	9.72	10.70	11.02
	3H	10.50	11.41	10.88	11.75	12.11	11.28	12.20	11.66	12.53	12.90
	4H	11.05	11.90	11.46	12.26	12.64	11.99	12.83	12.39	13.19	13.58
	6H	11.32	12.10	11.74	12.47	12.87	12.47	13.25	12.89	13.63	14.02
	8H	11.35	12.08	11.79	12.48	12.88	12.61	13.34	13.05	13.74	14.14
	12H	11.38	12.08	11.81	12.46	12.89	12.75	13.45	13.18	13.83	14.26
4H	2H	9.58	10.42	9.98	10.78	11.17	9.88	10.73	10.28	11.08	11.47
	3H	11.29	11.99	11.71	12.40	12.80	12.06	12.76	12.48	13.16	13.57
	4H	11.95	12.57	12.38	12.99	13.44	12.85	13.47	13.29	13.90	14.35
	6H	12.23	12.76	12.70	13.21	13.69	13.33	13.87	13.80	14.32	14.79
	8H	12.28	12.78	12.76	13.23	13.70	13.50	14.00	13.98	14.45	14.92
	12H	12.31	12.74	12.80	13.23	13.70	13.64	14.07	14.13	14.56	15.03
8H	4H	12.21	12.70	12.68	13.15	13.63	13.00	13.50	13.48	13.95	14.42
	6H	12.58	12.98	13.09	13.48	13.96	13.58	13.97	14.09	14.47	14.96
	8H	12.68	13.03	13.21	13.55	14.04	13.80	14.15	14.33	14.67	15.17
	12H	13.26	13.56	13.78	14.06	14.64	14.46	14.76	14.98	15.26	15.84
12H	4H	12.20	12.63	12.69	13.12	13.60	12.97	13.40	13.46	13.89	14.37
	6H	12.91	12.95	13.14	13.42	13.97	13.88	13.92	14.10	14.39	14.94
	8H	12.73	13.03	13.25	13.53	14.11	13.82	14.12	14.34	14.62	15.20
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.3/-0.6					
S = 1.5H	0.8/-0.8					0.8/-0.7					
S = 2.0H	1.7/-1.0					1.0/-0.8					
标准表格	BK3					BK3					
更正系数	-2.5					-1.7					

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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	20304.77	20251.05	18340.29	15224.74	11564.36	8180.23	5110.72	2998.14	1745.01
30.0	20934.02	20634.74	18455.39	15124.98	11272.75	7673.76	4872.84	2771.76	1629.14
60.0	20872.63	20274.07	17979.62	14597.03	10645.04	7266.28	4492.22	2596.03	1515.87
90.0	20696.13	20228.03	18002.64	14549.45	10528.40	7228.68	4604.26	2780.97	1599.98
120.0	20604.05	19483.68	16130.24	13036.18	9423.38	6250.28	3933.57	2263.76	1375.75
150.0	20504.29	19245.79	16498.58	12723.09	9170.14	5977.86	3905.94	2121.03	1283.82
180.0	20304.77	18386.33	15263.11	11538.27	7943.88	5111.49	2977.42	1514.26	1074.48
210.0	20934.02	19383.92	15164.88	12433.03	8943.00	5565.01	3295.88	1710.48	1175.47
240.0	20872.63	19637.15	16920.64	13076.09	9438.72	6177.38	3905.94	2160.16	1279.22
270.0	20696.13	19514.37	15984.44	12955.61	9140.98	6112.15	3742.49	2194.70	1301.85
300.0	20604.05	19951.78	17634.30	14050.65	10367.25	6998.47	4366.37	2662.79	1569.28
330.0	20504.29	19959.45	17649.65	14100.53	10391.04	7108.20	4395.53	2601.40	1500.22
360.0	20304.77	20251.05	18340.29	15224.74	11564.36	8180.23	5110.72	2998.14	1745.01
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1085.07	777.35	597.02	487.28	408.24	352.99	301.04	266.05	234.97
30.0	1035.19	738.98	574.00	473.47	397.50	343.86	299.05	262.67	233.28
60.0	985.62	710.82	558.42	461.81	388.68	336.19	290.76	257.92	228.60
90.0	1023.68	731.31	577.07	475.01	402.87	352.07	307.18	270.19	235.97
120.0	937.50	690.64	547.98	454.36	390.21	337.42	296.28	261.21	230.90
150.0	890.16	662.25	527.19	440.47	389.06	327.75	288.92	254.15	224.61
180.0	768.99	590.04	484.06	405.48	348.16	298.51	262.52	233.21	204.81
210.0	803.44	612.29	496.57	411.01	351.00	304.49	267.43	236.28	210.34
240.0	842.58	629.25	505.70	415.15	352.76	307.79	268.97	237.27	212.41
270.0	875.96	653.27	519.05	433.34	370.26	322.45	277.41	243.26	212.03
300.0	996.05	727.47	565.56	460.43	389.83	342.17	298.66	265.28	234.36
330.0	1013.70	743.66	576.07	473.85	397.81	345.32	301.96	270.42	237.81
360.0	1085.07	777.35	597.02	487.28	408.24	352.99	301.04	266.05	234.97
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	204.58	181.02	159.46	141.35	126.54	115.95	106.28	98.99	92.24
30.0	206.04	181.18	159.84	143.19	129.00	117.49	108.51	100.53	94.00
60.0	202.13	179.26	159.00	142.73	128.54	117.10	107.82	100.07	93.01
90.0	206.42	180.26	160.00	143.58	129.30	116.72	107.43	99.30	92.32
120.0	202.59	177.19	158.08	141.12	128.15	116.87	107.74	99.45	92.55
150.0	197.98	172.89	153.78	137.97	125.93	114.72	105.67	98.15	91.78
180.0	179.87	158.62	141.27	126.85	115.95	106.90	99.14	92.78	87.17
210.0	185.78	164.60	146.80	132.22	120.94	110.96	103.14	96.31	90.24
240.0	187.16	166.83	150.25	133.68	122.32	112.04	103.37	96.00	89.48
270.0	187.01	165.22	147.41	133.83	122.55	111.88	103.37	95.92	88.17
300.0	205.73	181.18	159.92	143.27	129.30	118.02	108.05	99.99	92.93
330.0	208.19	184.94	162.84	143.58	130.15	118.33	108.28	100.07	93.54
360.0	204.58	181.02	159.46	141.35	126.54	115.95	106.28	98.99	92.24
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	86.87	82.11	77.74	72.67	67.61	63.08	58.32	54.10	49.27
30.0	88.09	83.49	79.19	75.28	71.06	66.45	61.54	56.71	51.80
60.0	86.79	81.73	76.43	70.21	63.39	57.63	52.18	46.96	42.21
90.0	85.41	78.12	71.14	65.53	60.16	55.10	49.73	44.74	39.44
120.0	86.25	80.88	75.28	68.60	62.00	56.25	51.03	45.97	40.90
150.0	86.33	81.73	77.74	73.44	69.37	64.31	59.32	54.64	49.57
180.0	82.80	78.50	73.82	68.37	63.62	59.01	54.25	49.73	44.58
210.0	85.18	80.80	76.58	72.29	67.99	62.69	57.94	53.18	47.73
240.0	83.87	78.50	72.29	65.30	59.63	54.18	48.88	43.89	38.60
270.0	80.73	74.21	68.07	62.46	57.09	52.10	46.81	41.67	36.22
300.0	86.41	81.27	75.05	68.30	62.08	56.71	51.11	46.27	41.28
330.0	87.79	83.03	78.50	74.67	70.37	65.69	60.62	56.17	51.34
360.0	86.87	82.11	77.74	72.67	67.61	63.08	58.32	54.10	49.27

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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	44.51	39.67	34.61	29.01	24.33	17.80	12.51	7.37	2.46
30.0	46.81	40.44	31.46	23.48	18.26	13.05	8.52	3.68	1.53
60.0	37.14	31.77	26.24	19.80	15.73	8.98	5.53	3.30	1.30
90.0	34.30	29.62	25.55	21.56	13.05	7.60	6.29	2.38	1.30
120.0	35.91	30.54	25.09	20.87	13.43	6.45	4.99	1.92	0.92
150.0	43.20	34.38	26.47	20.49	15.42	10.21	6.06	1.92	0.69
180.0	39.75	34.22	29.08	24.33	17.42	12.51	7.06	2.15	0.31
210.0	40.44	31.16	24.17	18.57	13.97	9.21	3.76	1.61	0.46
240.0	33.15	28.09	22.56	18.80	11.28	5.68	4.07	1.38	0.61
270.0	31.16	26.86	23.87	16.35	9.82	6.60	4.22	1.61	0.84
300.0	35.84	30.77	25.32	20.87	14.43	7.44	4.83	2.23	1.07
330.0	45.81	37.45	28.62	22.41	17.27	12.05	8.36	2.61	1.15
360.0	44.51	39.67	34.61	29.01	24.33	17.80	12.51	7.37	2.46
C/γ(°)	90.0								
0.0	0.31								
30.0	0.38								
60.0	0.46								
90.0	0.31								
120.0	0.15								
150.0	0.15								
180.0	0.15								
210.0	0.15								
240.0	0.00								
270.0	0.08								
300.0	0.08								
330.0	0.31								
360.0	0.31								