

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

ROLED

灯具名称: 投光灯

灯具描述: F2225A1-16-36DC-RC-Y(4525-CL-16RGBWN-C, CT)

报告编号:

电压(V): 35.6000

测试编号: 20210317011

电流(A): 0.7860

光源规格型号: CL

功率(W): 28.0000

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): 1389.18

灯具效能(lm/w): 49.61

中心光强(cd): 2589.127

最大光强(cd): 2629.030

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=38.3

[C90/270]Total=28.1

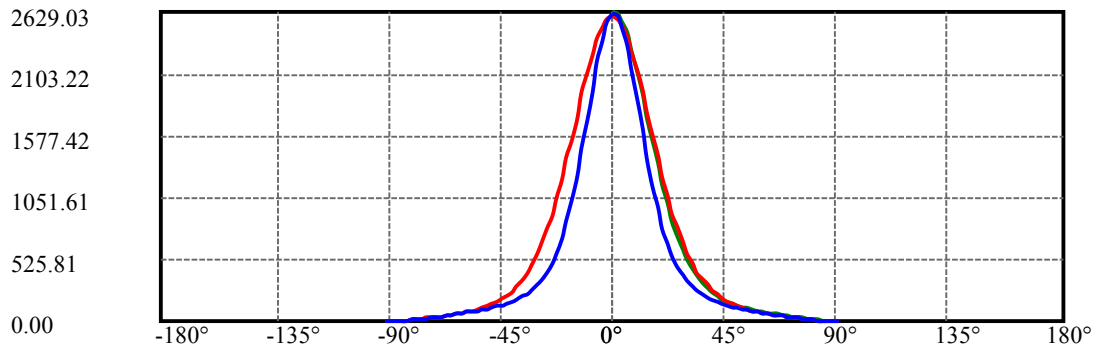
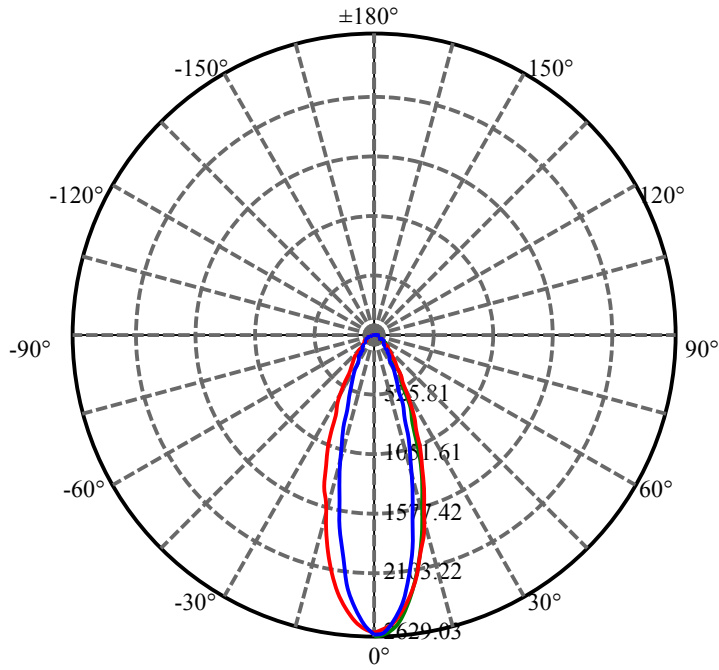
光束扩散角(10%Imax): [C0/180]Total=79.6

[C90/270]Total=65.9

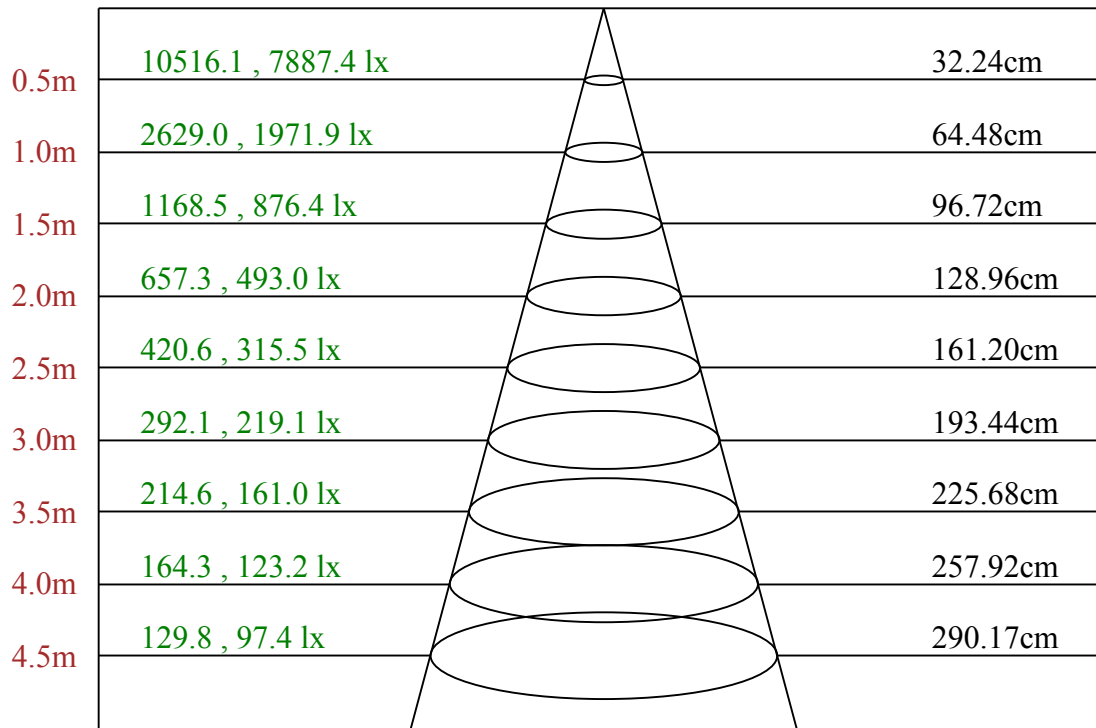
测试设备: GMS1800
环境温度(°C): 25.0

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

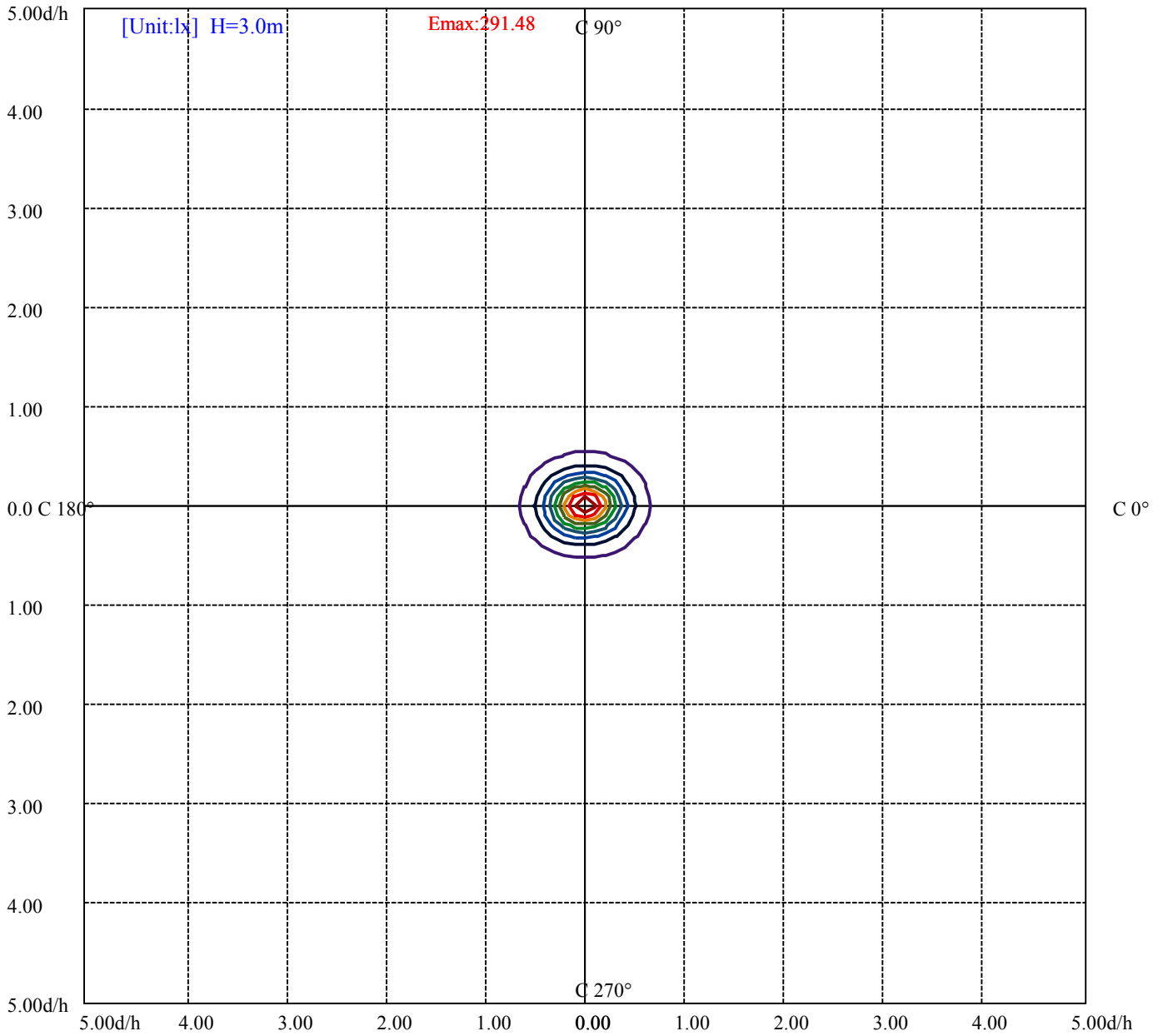


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角35.74

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平面等照度曲线



(10%Emax) 29.14744	——
(20%Emax) 58.29489	——
(30%Emax) 87.44244	——
(40%Emax) 116.59	——
(50%Emax) 145.7378	——
(60%Emax) 174.8844	——
(70%Emax) 204.0322	——
(80%Emax) 233.18	——
(90%Emax) 262.3278	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

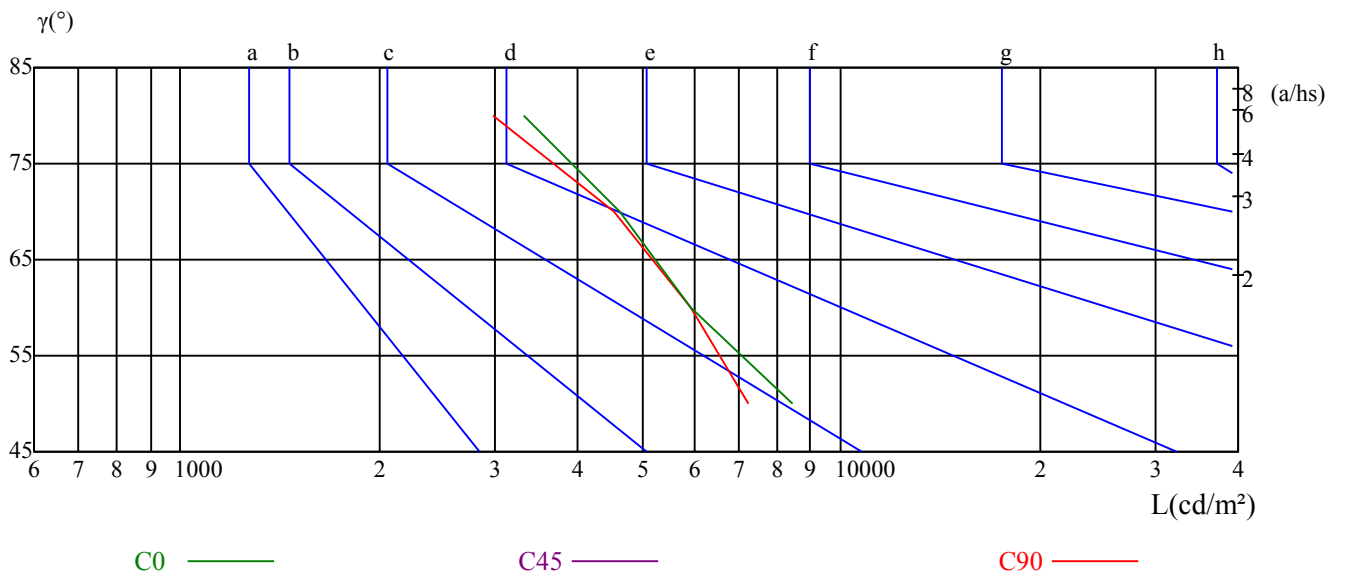
γ	45	50	55	60	65	70	75	80	85
C0	0	8452	0	5915	0	4613	0	3311	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7245	0	5935	0	4529	0	2980	0

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	14.51	15.69	14.88	16.00	16.32	14.75	15.93	15.11	16.24	16.55
	3H	15.76	16.81	16.15	17.14	17.51	15.97	17.02	16.35	17.35	17.71
	4H	16.16	17.13	16.57	17.49	17.87	16.39	17.36	16.79	17.71	18.10
	6H	16.35	17.24	16.77	17.62	18.01	16.62	17.51	17.04	17.89	18.28
	8H	16.37	17.21	16.80	17.60	18.01	16.65	17.49	17.09	17.89	18.29
	12H	16.36	17.17	16.80	17.55	17.98	16.66	17.46	17.09	17.84	18.28
4H	2H	15.03	16.00	15.44	16.36	16.74	15.22	16.19	15.62	16.54	16.93
	3H	16.50	17.30	16.92	17.71	18.11	16.70	17.49	17.11	17.90	18.31
	4H	17.00	17.71	17.43	18.13	18.58	17.22	17.93	17.65	18.35	18.79
	6H	17.21	17.83	17.68	18.27	18.74	17.47	18.08	17.94	18.53	19.00
	8H	17.24	17.81	17.71	18.26	18.73	17.51	18.08	17.99	18.53	19.01
	12H	17.23	17.73	17.72	18.22	18.69	17.52	18.02	18.01	18.50	18.98
8H	4H	17.17	17.74	17.64	18.19	18.66	17.37	17.94	17.84	18.38	18.86
	6H	17.45	17.91	17.96	18.41	18.89	17.69	18.15	18.20	18.65	19.13
	8H	17.51	17.92	18.03	18.43	18.93	17.76	18.17	18.29	18.69	19.18
	12H	18.13	18.49	18.65	18.98	19.56	18.37	18.72	18.89	19.22	19.80
12H	4H	17.15	17.65	17.64	18.13	18.61	17.34	17.84	17.83	18.32	18.80
	6H	17.89	17.85	17.98	18.32	18.87	18.12	18.08	18.21	18.55	19.10
	8H	17.52	17.88	18.04	18.38	18.95	17.77	18.13	18.29	18.63	19.20
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.8/-0.9					
S = 1.5H	1.0/-1.1					1.5/-1.3					
S = 2.0H	2.0/-1.5					3.2/-1.8					
标准表格	BK3					BK3					
更正系数	1.1					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	2589.13	2569.17	2510.09	2410.33	2289.85	2134.07	1954.51	1782.61	1591.54
30.0	2629.03	2615.98	2553.06	2451.77	2305.96	2127.17	1932.25	1737.34	1528.61
60.0	2617.52	2595.27	2503.18	2353.54	2164.77	1938.39	1702.81	1484.03	1259.72
90.0	2606.01	2591.43	2500.88	2338.96	2135.61	1886.98	1631.44	1381.28	1148.76
120.0	2600.64	2578.38	2482.46	2326.68	2130.24	1897.72	1669.04	1435.15	1211.00
150.0	2591.43	2582.22	2516.99	2402.65	2254.55	2068.08	1867.79	1669.04	1460.32
180.0	2589.13	2568.41	2501.65	2396.52	2266.06	2103.38	1936.86	1737.34	1531.07
210.0	2629.03	2592.20	2501.65	2373.49	2207.74	2011.29	1808.71	1613.79	1415.12
240.0	2617.52	2573.01	2457.91	2282.18	2084.96	1848.61	1601.51	1373.60	1167.95
270.0	2606.01	2537.71	2391.91	2201.60	1964.48	1702.04	1471.29	1233.25	1026.75
300.0	2600.64	2552.29	2435.65	2258.39	2057.34	1820.22	1573.12	1345.98	1139.55
330.0	2591.43	2549.99	2457.91	2330.52	2164.77	1967.55	1764.20	1520.94	1369.84
360.0	2589.13	2569.17	2510.09	2410.33	2289.85	2134.07	1954.51	1782.61	1591.54
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1400.46	1226.27	1068.95	916.25	792.70	675.29	570.93	485.75	415.92
30.0	1332.93	1157.20	989.92	843.35	714.43	609.30	517.21	442.01	389.06
60.0	1059.36	890.62	741.59	619.58	523.96	442.70	377.40	323.76	282.47
90.0	959.22	789.63	657.64	547.14	459.66	391.36	337.26	291.53	254.08
120.0	1013.47	848.64	704.53	588.04	497.41	420.98	359.44	309.25	270.58
150.0	1274.61	1093.51	930.06	788.86	666.85	566.32	479.61	410.55	350.92
180.0	1383.81	1215.60	1051.54	904.12	777.04	659.94	563.79	472.32	402.64
210.0	1234.32	1061.89	902.05	767.53	656.41	553.89	470.79	403.95	343.48
240.0	972.27	820.32	682.20	567.86	479.61	409.01	350.23	302.81	264.74
270.0	845.49	697.77	575.76	486.59	411.39	349.39	303.65	264.36	231.21
300.0	946.94	789.63	660.71	550.98	469.63	397.50	340.33	294.52	257.76
330.0	1182.22	1019.69	863.14	738.29	625.87	527.72	448.91	385.76	328.97
360.0	1400.46	1226.27	1068.95	916.25	792.70	675.29	570.93	485.75	415.92
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	352.53	303.34	259.22	222.69	193.46	168.06	148.10	130.53	115.57
30.0	322.99	277.87	242.26	211.57	186.17	165.91	147.95	133.06	118.64
60.0	246.86	217.40	194.30	174.19	158.00	143.04	131.30	120.48	110.96
90.0	225.22	199.75	179.41	161.30	146.11	132.76	121.86	111.88	102.83
120.0	237.12	209.42	187.78	168.82	153.48	139.28	128.15	117.56	108.51
150.0	301.35	260.22	228.06	200.21	177.11	158.77	142.42	128.84	115.64
180.0	341.64	290.22	250.16	215.71	188.24	162.91	144.11	126.77	112.27
210.0	295.75	257.68	223.69	196.83	174.42	156.08	140.12	125.85	113.73
240.0	231.75	206.73	183.10	165.60	150.64	137.28	126.46	116.49	107.59
270.0	204.97	184.17	164.91	149.48	136.67	124.70	115.11	105.51	97.07
300.0	225.92	201.97	179.03	162.22	147.72	134.67	124.01	114.26	105.51
330.0	284.08	248.55	216.63	191.15	169.90	152.40	137.28	123.78	112.27
360.0	352.53	303.34	259.22	222.69	193.46	168.06	148.10	130.53	115.57
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	100.76	89.63	79.27	71.06	62.92	55.10	48.73	42.97	37.91
30.0	107.20	96.77	87.79	79.12	71.67	65.00	58.24	51.49	45.20
60.0	101.98	93.54	85.72	77.97	70.45	63.31	56.94	49.80	42.51
90.0	94.69	86.48	79.04	71.29	64.46	56.63	49.57	42.97	37.22
120.0	99.99	91.78	84.33	76.43	69.75	62.92	56.48	49.42	42.28
150.0	105.13	95.15	86.71	78.35	70.91	64.23	57.71	50.88	44.20
180.0	98.76	87.17	77.35	67.38	58.93	50.80	44.81	39.29	34.30
210.0	102.75	93.47	83.72	76.20	68.83	62.31	55.33	48.65	42.74
240.0	98.45	90.78	82.72	75.36	68.14	61.01	54.56	47.50	40.13
270.0	88.94	81.42	73.67	66.38	59.16	51.57	44.81	38.83	33.76
300.0	96.61	89.25	81.11	74.21	67.30	60.39	53.79	46.89	40.21
330.0	101.75	92.70	83.34	75.97	68.45	61.85	55.48	48.42	41.98
360.0	100.76	89.63	79.27	71.06	62.92	55.10	48.73	42.97	37.91

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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	33.38	29.16	23.79	18.49	13.81	7.90	2.76	1.61	0.77
30.0	39.44	33.69	28.32	22.18	14.66	9.06	3.99	1.53	0.77
60.0	35.99	29.62	24.10	18.19	12.58	7.83	3.53	1.38	0.69
90.0	32.31	27.47	22.48	16.81	12.43	7.37	3.15	1.53	0.77
120.0	36.30	30.16	24.86	18.72	12.66	7.60	3.45	1.38	0.54
150.0	37.52	28.55	17.73	11.89	10.21	7.29	3.22	1.23	0.69
180.0	30.23	25.25	20.64	16.27	12.12	6.75	2.30	1.38	0.61
210.0	36.68	31.16	25.17	18.34	12.28	6.91	2.30	1.23	0.46
240.0	33.61	27.93	22.25	16.42	11.05	6.06	2.15	1.07	0.46
270.0	28.85	24.17	18.34	13.58	9.29	4.60	1.76	1.00	0.46
300.0	33.84	28.62	23.10	16.35	10.74	5.76	2.00	1.00	0.46
330.0	35.84	29.85	24.10	17.80	11.89	7.06	2.38	1.23	0.46
360.0	33.38	29.16	23.79	18.49	13.81	7.90	2.76	1.61	0.77

C/γ(°)	90.0
0.0	0.23
30.0	0.08
60.0	0.08
90.0	0.08
120.0	0.15
150.0	0.08
180.0	0.08
210.0	0.00
240.0	0.00
270.0	0.08
300.0	0.00
330.0	0.08
360.0	0.23