

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(30-CL-16RGBWN-C, CT)

报告编号:

电压(V): 35.2000

测试编号: 20210317002

电流(A): 0.7930

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): 1484.55

灯具效能(lm/w): 53.21

中心光强(cd): 2995.836

最大光强(cd): 3052.622

最大光强角度: $C=30.0$ $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=31.4

[C90/270]Total=31.1

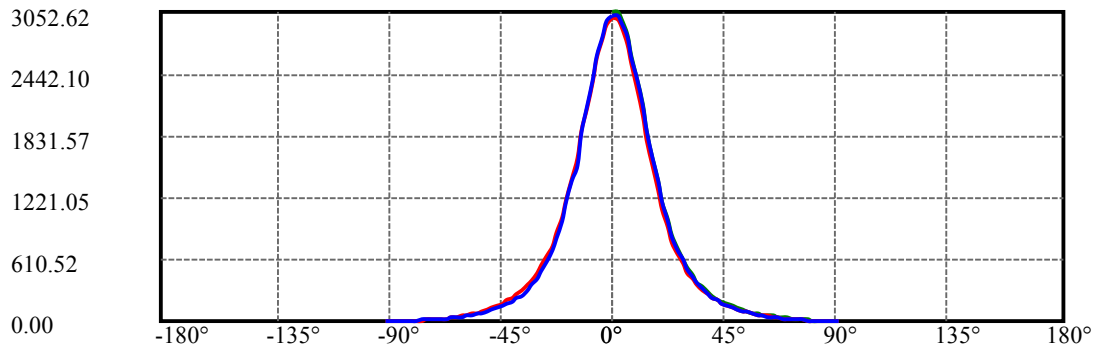
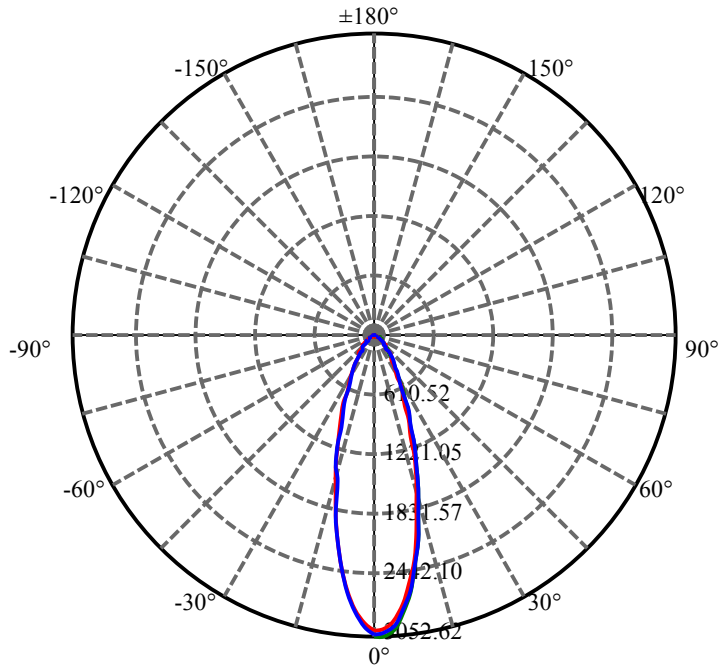
光束扩散角(10%Imax): [C0/180]Total=73.0

[C90/270]Total=70.6

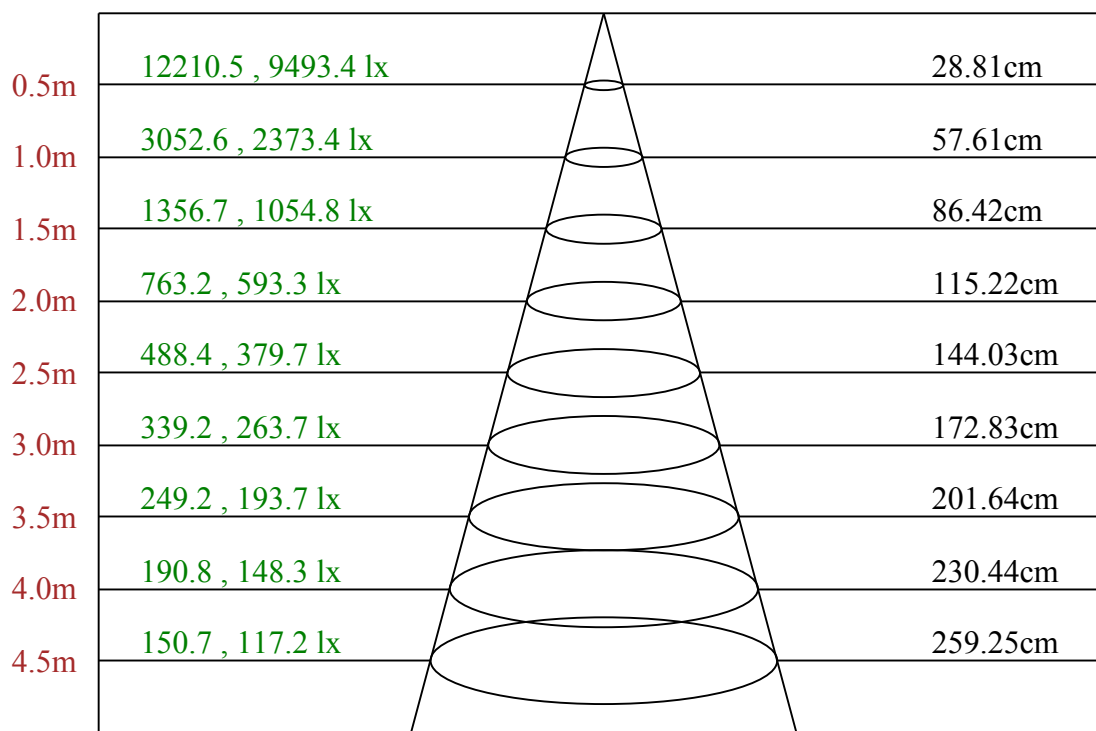
测试设备: GMS1800
环境温度(°C): 25.0

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

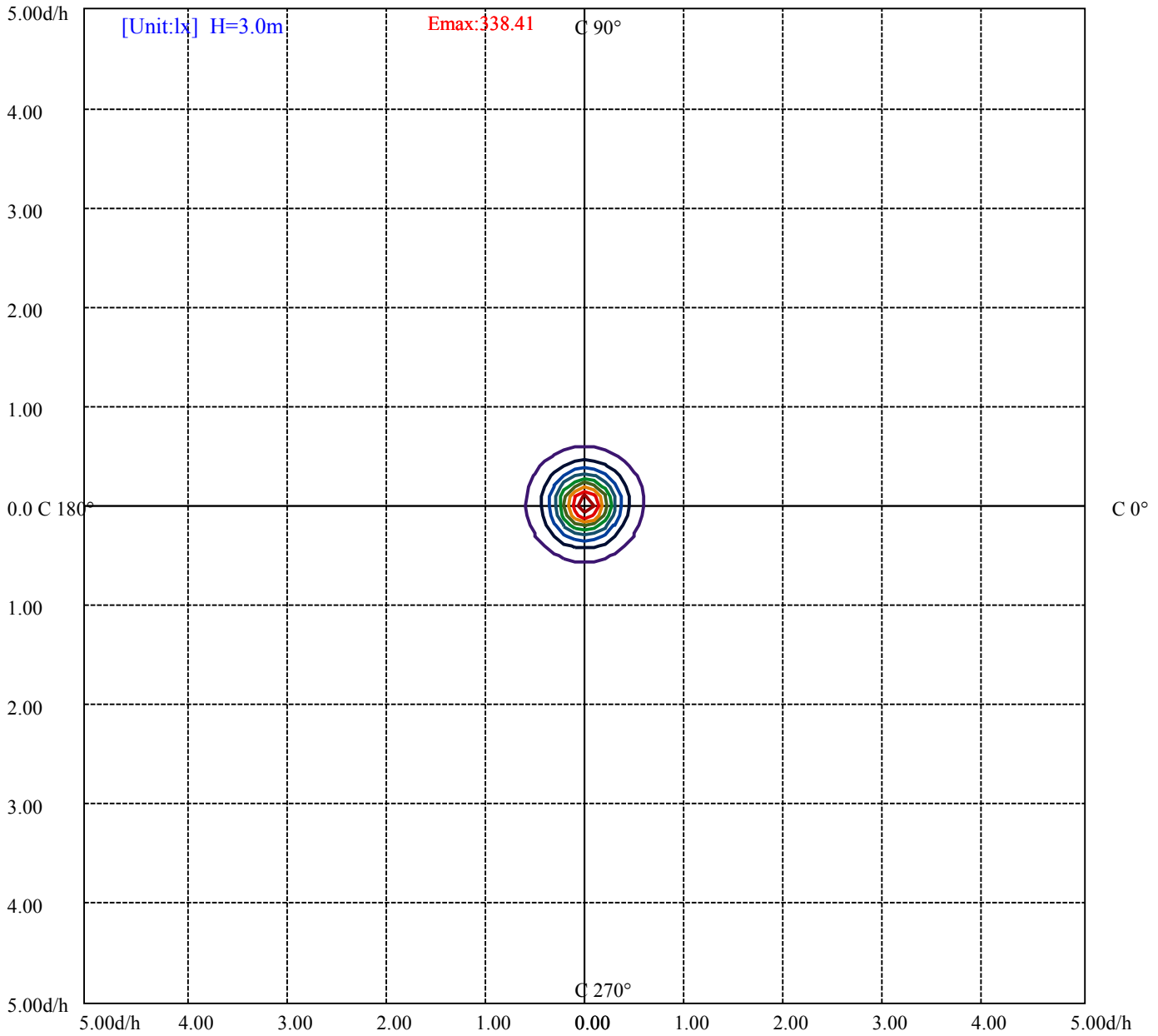


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角32.13

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平面等照度曲线



- (10%Emax) 33.84122
- (20%Emax) 67.68256
- (30%Emax) 101.5238
- (40%Emax) 135.3656
- (50%Emax) 169.2067
- (60%Emax) 203.0478
- (70%Emax) 236.8889
- (80%Emax) 270.73
- (90%Emax) 304.5711

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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

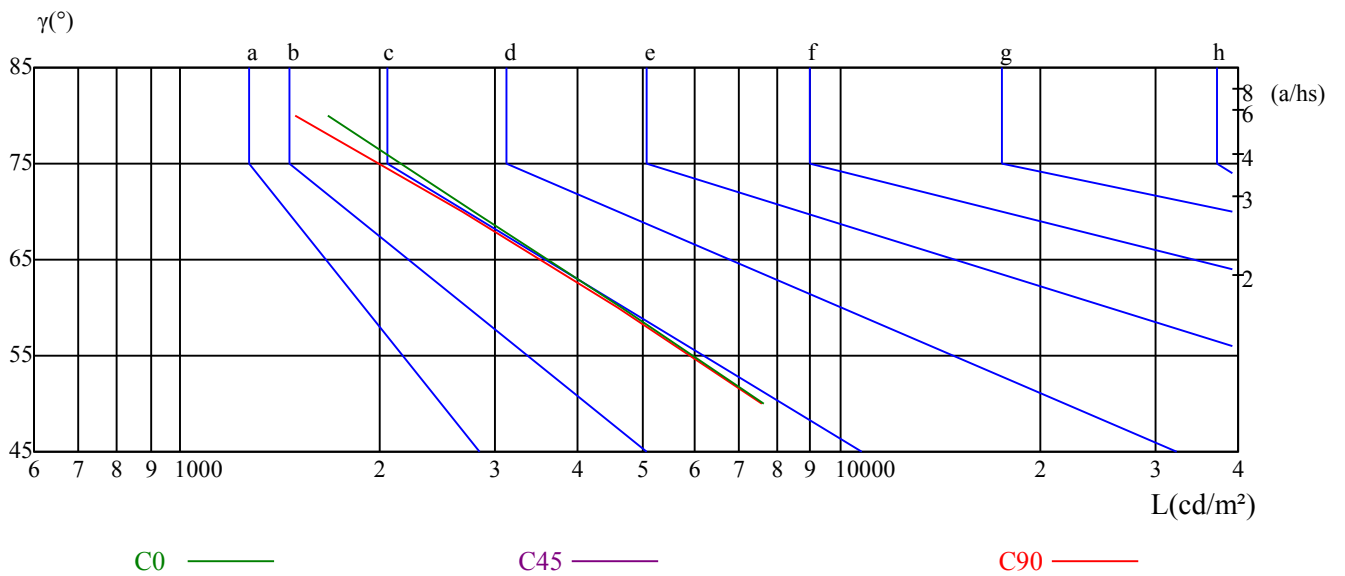
γ	45	50	55	60	65	70	75	80	85
C0	0	7623	0	4644	0	2774	0	1674	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7573	0	4599	0	2680	0	1490	0

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



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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	12.54	13.66	12.91	13.97	14.29	12.93	14.05	13.29	14.36	14.67
	3H	13.27	14.26	13.65	14.59	14.96	13.63	14.62	14.02	14.95	15.32
	4H	13.46	14.37	13.86	14.73	15.11	13.81	14.72	14.21	15.08	15.46
	6H	13.51	14.35	13.93	14.72	15.12	13.85	14.69	14.27	15.06	15.46
	8H	13.49	14.28	13.93	14.68	15.08	13.83	14.62	14.26	15.01	15.42
	12H	13.46	14.22	13.90	14.60	15.03	13.80	14.56	14.23	14.94	15.37
4H	2H	12.86	13.78	13.27	14.13	14.52	13.19	14.11	13.60	14.46	14.85
	3H	13.78	14.53	14.20	14.94	15.34	14.09	14.84	14.51	15.24	15.65
	4H	14.04	14.70	14.48	15.13	15.57	14.34	15.00	14.77	15.42	15.87
	6H	14.12	14.69	14.59	15.14	15.61	14.41	14.98	14.88	15.43	15.90
	8H	14.10	14.63	14.58	15.08	15.56	14.39	14.92	14.86	15.37	15.84
	12H	14.07	14.53	14.56	15.02	15.50	14.36	14.82	14.85	15.31	15.78
8H	4H	14.09	14.62	14.57	15.07	15.55	14.37	14.90	14.84	15.35	15.82
	6H	14.21	14.64	14.72	15.14	15.62	14.48	14.90	14.99	15.40	15.89
	8H	14.21	14.59	14.74	15.11	15.61	14.48	14.86	15.01	15.38	15.87
	12H	14.84	15.17	15.36	15.67	16.24	15.11	15.44	15.63	15.94	16.51
12H	4H	14.05	14.51	14.54	15.00	15.48	14.33	14.79	14.82	15.28	15.75
	6H	14.56	14.56	14.71	15.03	15.58	14.82	14.82	14.98	15.29	15.84
	8H	14.20	14.53	14.72	15.03	15.61	14.46	14.79	14.98	15.29	15.86
对应照射距离，改变观察者位置S											
S = 1.0H		1.1/-1.4					0.9/-1.4				
S = 1.5H		2.3/-2.4					2.0/-2.3				
S = 2.0H		4.5/-3.3					4.2/-3.2				
标准表格		BK2					BK2				
更正系数		-0.6					-0.4				

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光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	2995.84	2985.09	2899.15	2739.53	2546.15	2301.36	2032.78	1774.17	1533.22
30.0	3051.09	3052.62	2975.88	2830.85	2625.96	2394.98	2134.84	1880.84	1619.16
60.0	3040.34	3034.20	2956.70	2800.16	2604.47	2365.05	2121.03	1850.91	1521.86
90.0	3023.46	3019.62	2945.19	2803.99	2606.01	2381.17	2125.63	1874.70	1616.09
120.0	3015.02	2985.09	2879.19	2717.28	2513.92	2270.67	2028.94	1769.57	1523.70
150.0	3005.81	2965.14	2856.17	2685.05	2464.81	2227.69	1972.16	1719.69	1481.80
180.0	2995.84	2926.77	2786.34	2591.43	2366.59	2109.52	1867.79	1617.63	1396.01
210.0	3051.09	2971.28	2816.27	2622.12	2384.24	2117.19	1855.52	1579.26	1390.02
240.0	3040.34	2974.35	2834.69	2632.87	2413.40	2143.28	1884.68	1635.28	1408.90
270.0	3023.46	2950.56	2804.76	2618.29	2381.17	2114.89	1864.72	1528.31	1375.75
300.0	3015.02	2971.28	2852.34	2666.63	2455.60	2200.83	1929.18	1675.18	1441.13
330.0	3005.81	2968.21	2844.66	2676.61	2454.84	2212.35	1948.37	1689.76	1460.70
360.0	2995.84	2985.09	2899.15	2739.53	2546.15	2301.36	2032.78	1774.17	1533.22
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1295.33	1096.58	929.29	779.65	661.48	562.49	483.45	415.92	361.59
30.0	1384.35	1184.06	999.12	846.42	718.26	613.90	524.12	449.68	388.29
60.0	1383.89	1171.71	989.84	837.21	713.20	604.31	517.67	440.55	376.40
90.0	1382.81	1171.02	995.29	837.97	705.99	600.09	508.00	430.50	388.29
120.0	1314.75	1126.20	955.61	819.02	694.78	590.42	503.48	430.04	370.87
150.0	1280.75	1092.74	930.06	801.14	684.50	590.11	504.17	436.64	387.52
180.0	1192.73	1021.76	868.67	747.35	639.45	548.90	472.78	407.63	354.91
210.0	1194.73	1016.85	860.77	739.29	630.71	536.47	460.58	398.34	340.95
240.0	1192.50	1010.63	859.46	721.33	611.60	515.68	439.71	389.06	324.06
270.0	1172.63	986.31	821.02	693.25	581.29	486.29	411.16	351.46	298.43
300.0	1215.52	1027.52	869.44	725.94	613.13	514.91	438.17	387.52	321.22
330.0	1239.01	1045.93	877.03	747.04	632.01	538.39	458.35	391.82	334.42
360.0	1295.33	1096.58	929.29	779.65	661.48	562.49	483.45	415.92	361.59
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	311.17	269.27	232.59	202.97	176.96	153.55	134.75	117.72	102.67
30.0	334.81	290.38	250.55	217.01	188.31	164.76	143.81	125.47	110.12
60.0	322.53	279.09	240.50	207.96	181.41	157.77	137.59	120.09	105.51
90.0	318.00	272.73	235.97	203.89	176.65	154.40	134.37	116.95	101.14
120.0	318.23	275.72	237.50	205.43	178.03	155.85	135.83	118.33	103.83
150.0	327.98	283.01	244.49	213.41	184.86	160.54	139.74	122.47	106.59
180.0	306.95	267.43	231.52	200.90	174.27	152.40	132.37	114.65	99.38
210.0	294.06	255.92	220.39	191.54	166.44	145.65	127.23	111.81	97.38
240.0	276.79	238.96	207.50	179.11	156.16	135.90	119.48	104.67	91.32
270.0	255.84	221.46	190.54	166.52	145.11	126.08	110.20	96.69	83.41
300.0	273.88	236.04	203.05	177.03	154.47	134.44	118.33	103.90	91.47
330.0	289.99	250.09	215.40	188.54	164.22	142.66	125.85	110.20	96.08
360.0	311.17	269.27	232.59	202.97	176.96	153.55	134.75	117.72	102.67
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	87.79	76.35	65.46	55.79	48.04	39.67	32.69	26.86	22.79
30.0	96.15	83.95	72.98	63.69	55.40	48.11	41.44	34.76	28.93
60.0	92.16	80.34	70.29	60.93	53.10	45.28	39.21	32.84	27.24
90.0	87.71	75.36	64.38	55.25	46.96	39.21	31.39	26.24	22.02
120.0	90.63	79.42	68.14	59.39	51.18	44.28	37.75	31.16	25.94
150.0	93.47	81.19	70.21	60.93	52.57	45.04	38.14	31.46	25.48
180.0	85.10	72.75	62.31	52.72	43.74	34.61	28.16	23.48	19.80
210.0	85.18	74.67	64.46	55.86	48.27	41.75	35.07	28.55	23.71
240.0	80.42	70.45	61.01	52.95	46.35	39.83	34.07	28.32	23.10
270.0	72.13	62.69	53.56	46.27	38.60	31.62	26.17	22.18	18.80
300.0	79.65	70.37	61.16	53.64	46.89	40.44	34.92	28.78	24.17
330.0	84.41	74.44	64.69	56.71	49.34	42.67	36.83	31.23	25.71
360.0	87.79	76.35	65.46	55.79	48.04	39.67	32.69	26.86	22.79

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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	19.26	15.96	12.66	9.29	6.98	4.22	1.92	1.00	0.38
30.0	23.64	19.26	15.50	12.05	8.06	5.14	2.69	1.00	0.54
60.0	22.33	17.88	14.27	10.44	7.14	4.30	2.23	0.92	0.46
90.0	18.49	15.19	11.97	8.75	6.22	3.84	1.53	0.84	0.46
120.0	20.72	16.58	12.97	9.21	5.99	3.45	1.46	0.69	0.23
150.0	20.49	16.42	12.74	8.52	5.06	2.61	1.15	0.46	0.23
180.0	16.27	13.05	8.90	6.22	3.91	2.23	0.92	0.61	0.15
210.0	18.80	15.12	11.51	7.60	4.68	2.46	1.00	0.54	0.15
240.0	18.65	14.96	11.66	7.90	5.22	2.69	1.00	0.54	0.23
270.0	15.58	12.66	9.52	7.06	4.53	2.38	1.00	0.54	0.23
300.0	19.72	16.04	12.66	8.98	6.06	3.30	1.46	0.69	0.31
330.0	21.18	17.04	13.35	9.67	6.52	3.84	1.76	0.77	0.31
360.0	19.26	15.96	12.66	9.29	6.98	4.22	1.92	1.00	0.38
C/γ(°)	90.0								
0.0	0.15								
30.0	0.08								
60.0	0.15								
90.0	0.08								
120.0	0.08								
150.0	0.00								
180.0	0.00								
210.0	0.00								
240.0	0.00								
270.0	0.08								
300.0	0.00								
330.0	0.08								
360.0	0.15								