

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2021A-16-UN (2515-OL-16WN-C, P1)

报告编号:

电压(V): 220.5000

测试编号: 20210317014

电流(A): 0.1090

光源规格型号: OL

功率(W): 19.3000

每个光源光通量(lm)

功率因数: 0.8020

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): 1712.85

灯具效能(lm/w): 88.75

中心光强(cd): 9206.210

最大光强(cd): 9252.253

最大光强角度: C=180.0 $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=25.5

[C90/270]Total=12.5

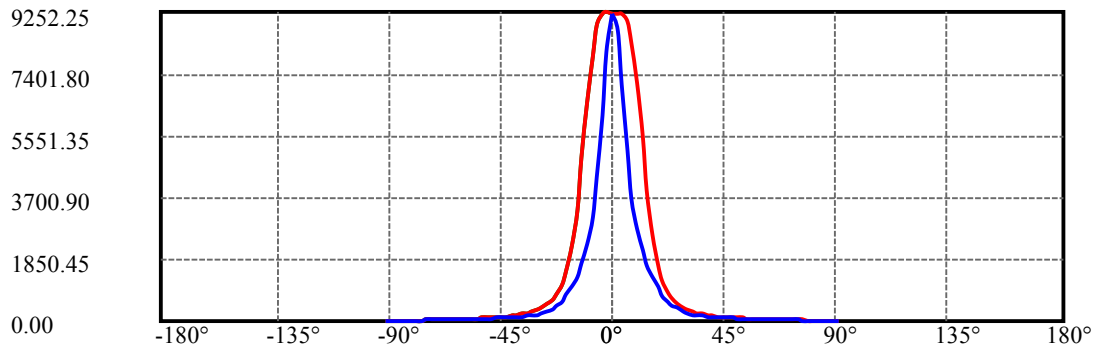
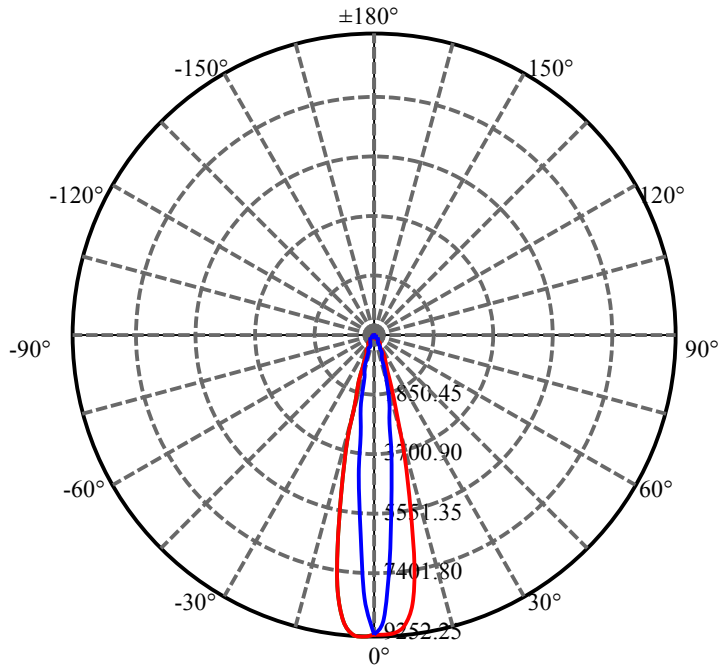
光束扩散角(10%Imax): [C0/180]Total=42.9

[C90/270]Total=35.6

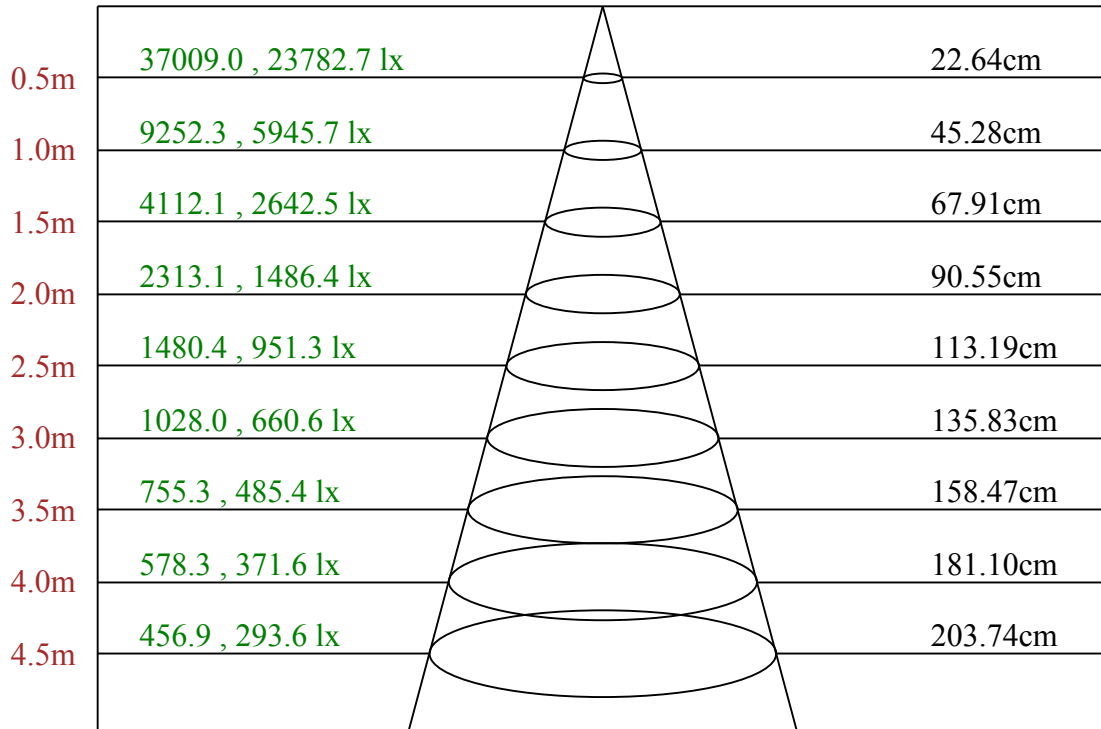
测试设备: GMS1800
环境温度(°C): 25.0

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

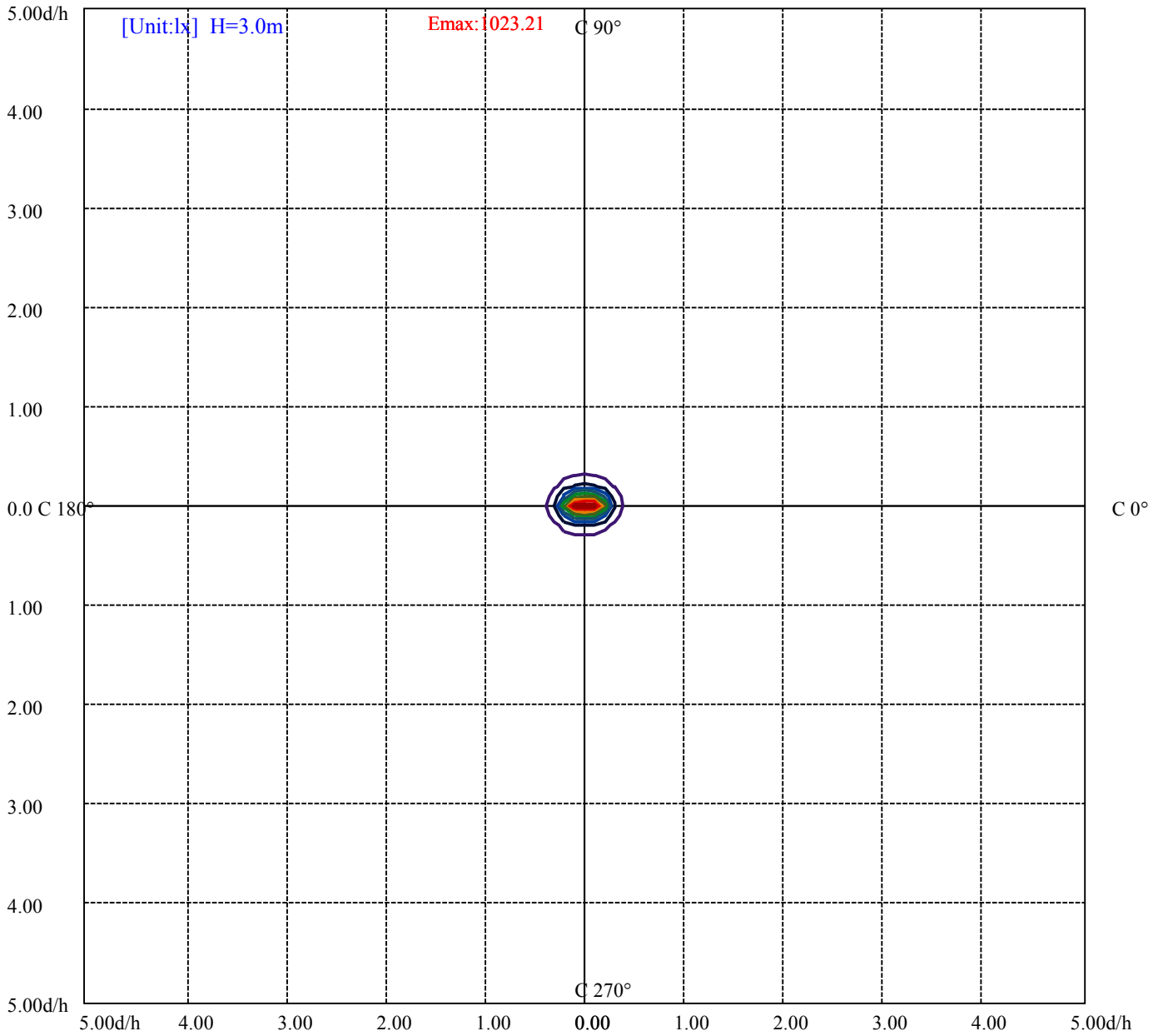


C180(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C180面光束角25.51

ROLED 投光灯
平面等照度曲线



- (10%E_{max}) 102.3209
- (20%E_{max}) 204.6422
- (30%E_{max}) 306.9622
- (40%E_{max}) 409.2833
- (50%E_{max}) 511.6044
- (60%E_{max}) 613.9255
- (70%E_{max}) 716.2455
- (80%E_{max}) 818.5667
- (90%E_{max}) 920.8878

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测试距离(m): 8.76

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

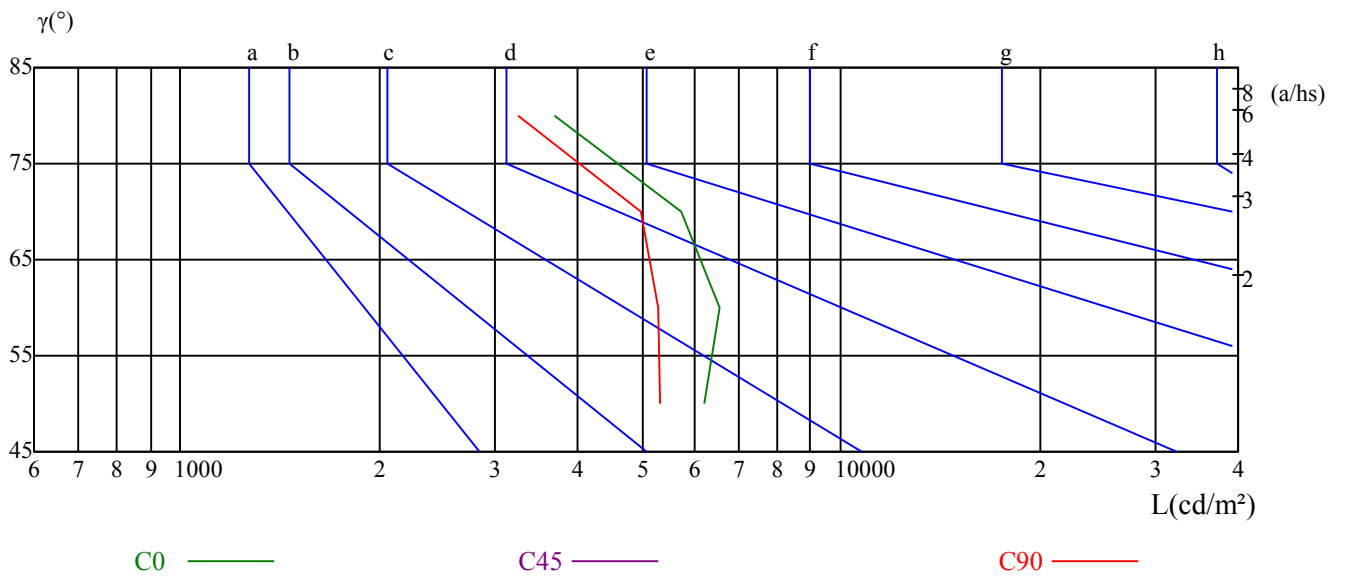
γ	45	50	55	60	65	70	75	80	85
C0	0	6201	0	6561	0	5725	0	3697	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5317	0	5296	0	4978	0	3256	0

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	12.20	13.29	12.57	13.60	13.92	13.07	14.16	13.43	14.47	14.78
	3H	14.09	15.05	14.47	15.38	15.75	14.89	15.85	15.27	16.18	16.55
	4H	14.70	15.60	15.11	15.95	16.34	15.50	16.39	15.90	16.75	17.13
	6H	15.00	15.82	15.42	16.20	16.59	15.80	16.62	16.21	16.99	17.39
	8H	15.04	15.81	15.47	16.20	16.61	15.83	16.60	16.26	16.99	17.40
	12H	15.03	15.77	15.47	16.15	16.58	15.82	16.56	16.25	16.94	17.37
4H	2H	13.04	13.93	13.44	14.28	14.67	13.68	14.58	14.09	14.93	15.32
	3H	15.08	15.81	15.49	16.22	16.63	15.66	16.39	16.07	16.80	17.21
	4H	15.78	16.44	16.21	16.86	17.30	16.36	17.02	16.80	17.44	17.89
	6H	16.08	16.64	16.55	17.09	17.57	16.68	17.24	17.14	17.69	18.16
	8H	16.12	16.64	16.59	17.09	17.57	16.71	17.24	17.19	17.69	18.16
	12H	16.11	16.57	16.60	17.05	17.53	16.71	17.16	17.20	17.65	18.12
8H	4H	16.02	16.54	16.49	16.99	17.46	16.54	17.07	17.02	17.52	17.99
	6H	16.39	16.81	16.90	17.31	17.79	16.92	17.34	17.43	17.84	18.32
	8H	16.46	16.83	16.99	17.35	17.85	16.99	17.36	17.52	17.88	18.37
	12H	17.07	17.38	17.59	17.88	18.46	17.61	17.92	18.13	18.42	19.00
12H	4H	16.00	16.45	16.48	16.94	17.41	16.51	16.97	17.00	17.46	17.93
	6H	16.74	16.75	16.92	17.22	17.77	17.26	17.27	17.44	17.74	18.29
	8H	16.48	16.80	17.00	17.30	17.87	17.00	17.32	17.52	17.81	18.39
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.6					0.3/-0.5					
S = 1.5H	0.9/-0.6					0.9/-0.5					
S = 2.0H	1.0/-0.9					1.5/-0.8					
标准表格	BK3					BK3					
更正系数	-0.4					0.4					

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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	9206.21	9193.16	9169.38	8958.35	8308.38	7151.94	5497.48	3891.36	2568.41
30.0	9202.37	9157.10	8720.46	7926.23	6693.82	5206.65	3852.99	2675.07	1851.68
60.0	9215.42	8751.16	7331.51	5619.49	4069.39	3015.02	2258.39	1705.88	1331.78
90.0	9180.12	8701.28	7055.25	5137.58	3682.64	2749.51	2154.02	1669.04	1307.61
120.0	9213.88	8641.42	7128.92	5456.04	3921.29	2921.40	2214.65	1607.65	1305.54
150.0	9197.77	9124.87	8581.57	7555.58	6214.21	4686.37	3420.96	2351.24	1701.27
180.0	9206.21	9252.25	9213.12	8853.98	7922.39	6554.16	4897.39	3348.06	2220.79
210.0	9202.37	8880.84	8207.09	7114.34	5806.73	4329.54	3075.64	2140.98	1514.03
240.0	9215.42	8531.69	6976.22	5248.85	3766.28	2739.53	1971.39	1507.13	1142.62
270.0	9180.12	8063.59	6159.73	4310.35	3097.90	2271.43	1721.22	1324.34	1018.15
300.0	9213.88	8515.57	6917.13	5169.04	3694.92	2694.26	1978.30	1499.45	1139.55
330.0	9197.77	8857.05	8095.05	6951.66	5624.10	4172.22	2968.21	2115.66	1505.36
360.0	9206.21	9193.16	9169.38	8958.35	8308.38	7151.94	5497.48	3891.36	2568.41
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1683.62	1194.04	870.97	669.92	531.79	429.73	352.61	297.43	248.71
30.0	1332.93	1005.26	768.91	603.16	487.28	395.97	329.89	275.18	231.90
60.0	1026.29	790.24	619.58	486.98	388.45	319.31	263.52	221.62	190.08
90.0	1010.63	773.52	587.04	457.36	388.29	288.23	236.51	196.06	168.52
120.0	1025.83	789.25	609.83	482.22	382.84	311.63	253.92	214.71	183.79
150.0	1251.59	955.38	732.08	574.76	465.03	388.29	311.17	259.37	220.93
180.0	1513.73	1087.14	819.86	634.62	503.63	411.85	339.26	281.86	236.35
210.0	1126.20	865.06	664.70	528.42	431.80	351.38	290.53	244.49	207.58
240.0	882.48	686.03	533.33	423.59	343.25	279.02	231.98	199.98	172.58
270.0	779.04	593.95	458.58	358.52	291.14	235.05	197.98	168.75	146.88
300.0	881.72	684.50	531.79	420.52	340.95	277.64	230.75	199.13	171.89
330.0	1124.97	854.78	657.26	521.74	427.35	348.24	289.53	244.79	207.81
360.0	1683.62	1194.04	870.97	669.92	531.79	429.73	352.61	297.43	248.71
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	211.57	182.56	159.00	139.43	123.93	112.27	102.91	95.77	89.78
30.0	197.60	171.20	149.48	132.37	119.40	108.43	99.91	93.47	88.94
60.0	165.91	145.88	130.15	118.48	108.28	100.30	93.85	88.63	84.41
90.0	145.95	131.45	119.02	109.04	100.83	93.70	87.71	82.11	77.35
120.0	160.77	141.73	127.23	115.87	106.05	98.53	92.70	88.09	84.26
150.0	189.70	165.91	144.88	128.38	115.57	105.97	98.45	93.01	89.48
180.0	203.20	174.88	152.94	135.13	119.86	108.43	99.99	93.62	88.56
210.0	178.49	156.16	137.13	122.86	111.19	102.14	95.69	90.47	86.87
240.0	151.56	134.90	121.78	111.65	102.60	96.08	90.24	85.56	81.50
270.0	132.14	120.09	110.58	102.75	96.15	89.63	83.95	78.96	74.59
300.0	150.87	134.67	121.55	111.19	103.44	96.69	91.39	87.33	83.72
330.0	179.95	156.47	138.51	124.24	112.96	103.90	97.30	92.16	88.63
360.0	211.57	182.56	159.00	139.43	123.93	112.27	102.91	95.77	89.78
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	85.87	83.72	81.73	78.81	74.51	68.68	60.16	53.72	47.04
30.0	85.41	82.80	80.42	77.50	73.59	68.53	62.92	55.86	48.04
60.0	80.96	77.58	74.67	71.75	68.60	65.00	60.78	55.56	47.04
90.0	73.28	69.68	66.61	63.62	60.47	56.56	51.11	45.74	40.90
120.0	80.96	77.66	74.82	71.98	68.83	65.76	61.31	55.25	47.27
150.0	86.64	84.49	82.19	78.96	74.51	69.22	63.85	57.09	48.65
180.0	85.72	84.56	82.42	79.04	74.05	67.38	58.32	52.03	45.74
210.0	84.10	81.96	79.27	75.89	71.44	66.07	60.47	52.72	45.20
240.0	78.12	75.28	72.67	69.91	66.99	63.46	59.32	54.02	46.50
270.0	71.14	68.14	65.30	62.46	59.16	54.79	49.73	44.28	38.98
300.0	80.11	76.74	73.90	70.68	67.76	64.31	60.32	55.33	46.58
330.0	85.49	82.88	79.73	76.12	71.52	66.30	61.24	54.48	46.73
360.0	85.87	83.72	81.73	78.81	74.51	68.68	60.16	53.72	47.04

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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	41.36	36.07	29.77	21.64	15.42	8.36	2.00	1.30	0.69
30.0	41.44	35.15	29.93	23.87	14.43	9.52	3.61	1.15	0.61
60.0	40.52	33.61	28.32	21.10	13.20	9.06	3.22	1.07	0.54
90.0	35.61	31.39	26.32	18.65	13.58	7.29	1.76	1.07	0.61
120.0	40.75	34.15	28.93	21.79	13.12	7.98	2.84	1.00	0.46
150.0	41.98	35.45	29.62	22.64	14.27	8.21	1.92	0.92	0.38
180.0	40.06	34.22	28.01	19.72	13.58	5.68	1.53	1.07	0.46
210.0	39.06	32.84	27.47	20.49	12.51	7.14	1.92	1.07	0.38
240.0	39.67	33.07	27.24	20.26	12.51	8.21	2.61	1.00	0.38
270.0	33.99	29.16	23.64	16.73	12.43	6.22	1.76	1.15	0.46
300.0	40.44	33.76	28.39	21.95	13.51	8.67	3.15	1.07	0.54
330.0	40.21	33.69	28.55	21.87	13.28	8.75	3.15	1.15	0.54
360.0	41.36	36.07	29.77	21.64	15.42	8.36	2.00	1.30	0.69

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