

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 (20-XL-12RGBWN-AJ, L380mm, RAL7042, CT)

报告编号:

电压(V): 202.3000

测试编号: 20210224009

电流(A): 0.2790

光源规格型号: XL

功率(W): 54.1000

每个光源光通量(lm)

功率因数: 0.9600

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): 2377.33

灯具效能(lm/w): 43.94

中心光强(cd): 10320.440

最大光强(cd): 10605.900

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=21.9

[C90/270]Total=22.3

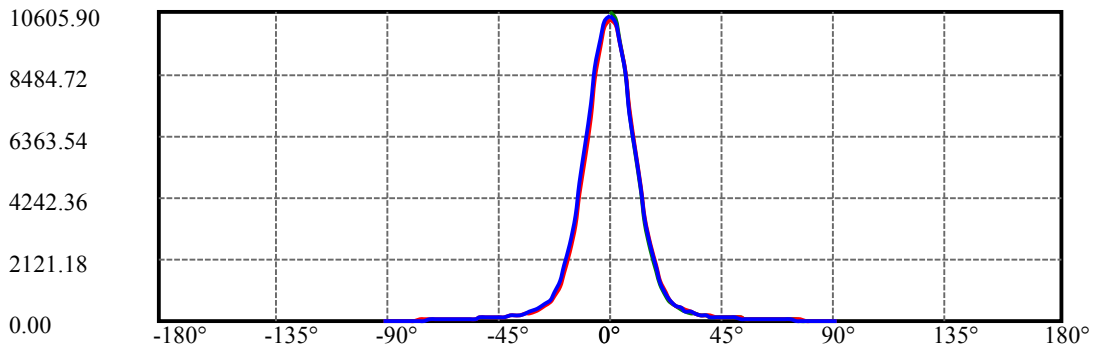
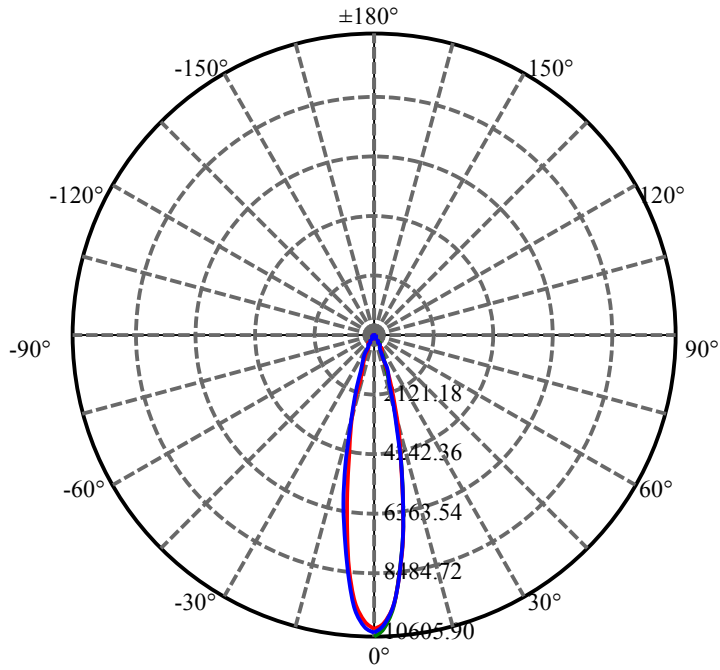
光束扩散角(10%Imax): [C0/180]Total=42.8

[C90/270]Total=43.3

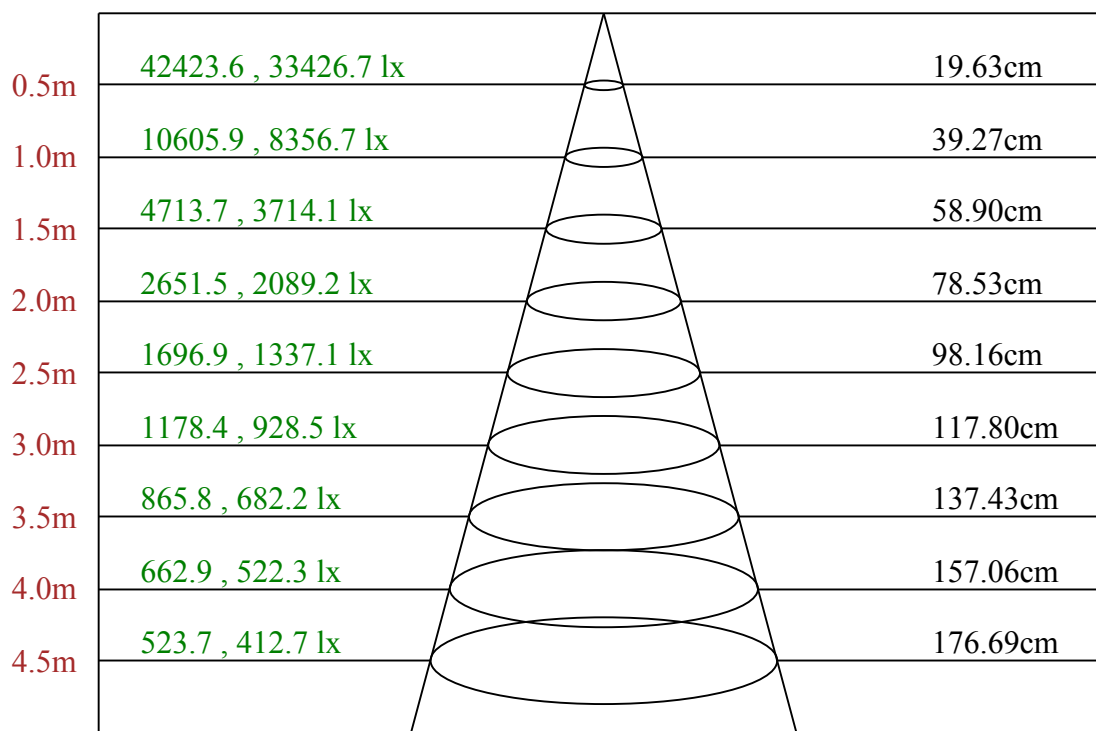
测试设备: GMS1800
环境温度(°C): 25.0

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

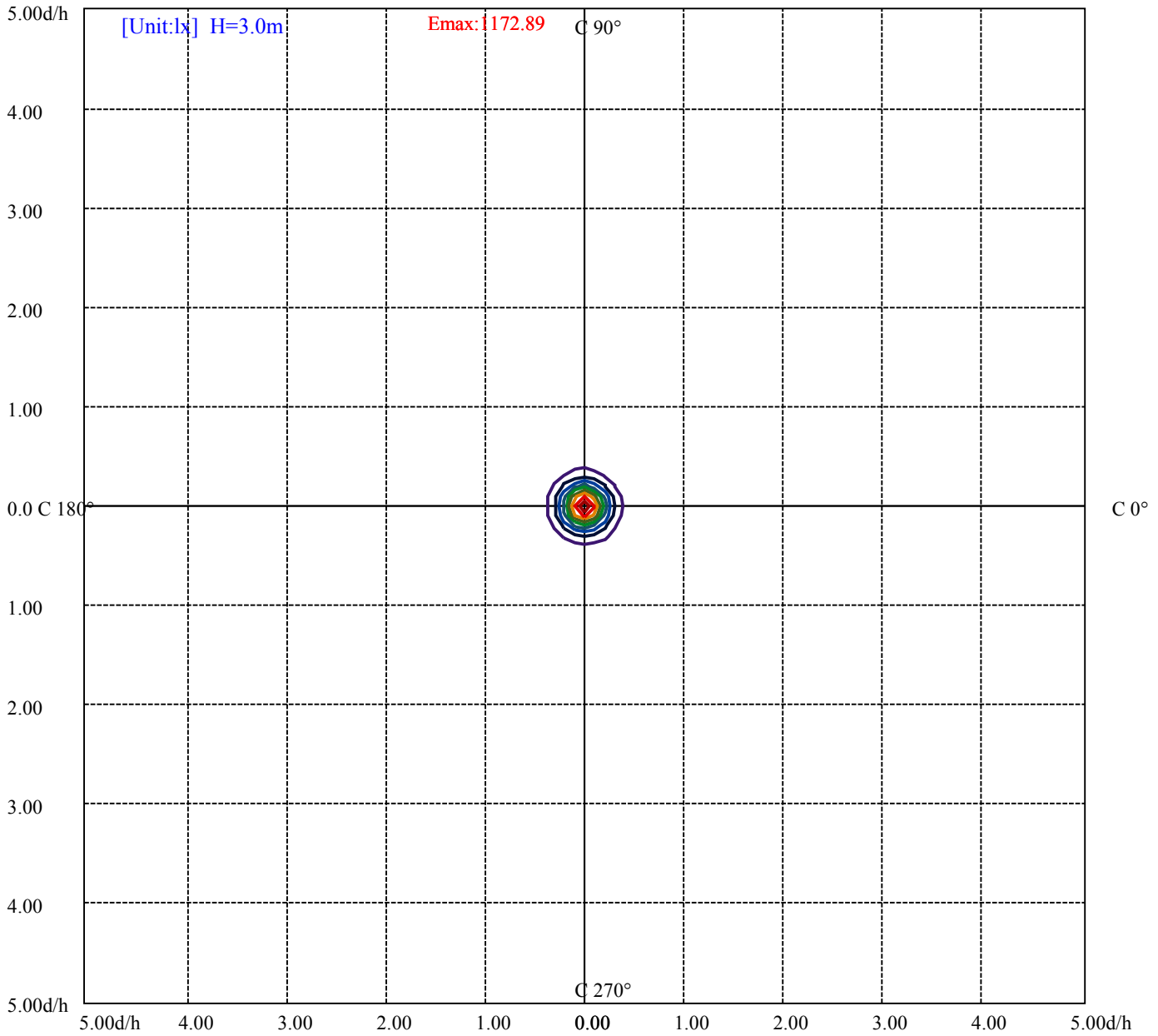


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角22.21

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平面等照度曲线



(10%Emax) 117.2889	——
(20%Emax) 234.5778	——
(30%Emax) 351.8667	——
(40%Emax) 469.1555	——
(50%Emax) 586.4445	——
(60%Emax) 703.7322	——
(70%Emax) 821.0211	——
(80%Emax) 938.31	——
(90%Emax) 1055.599	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

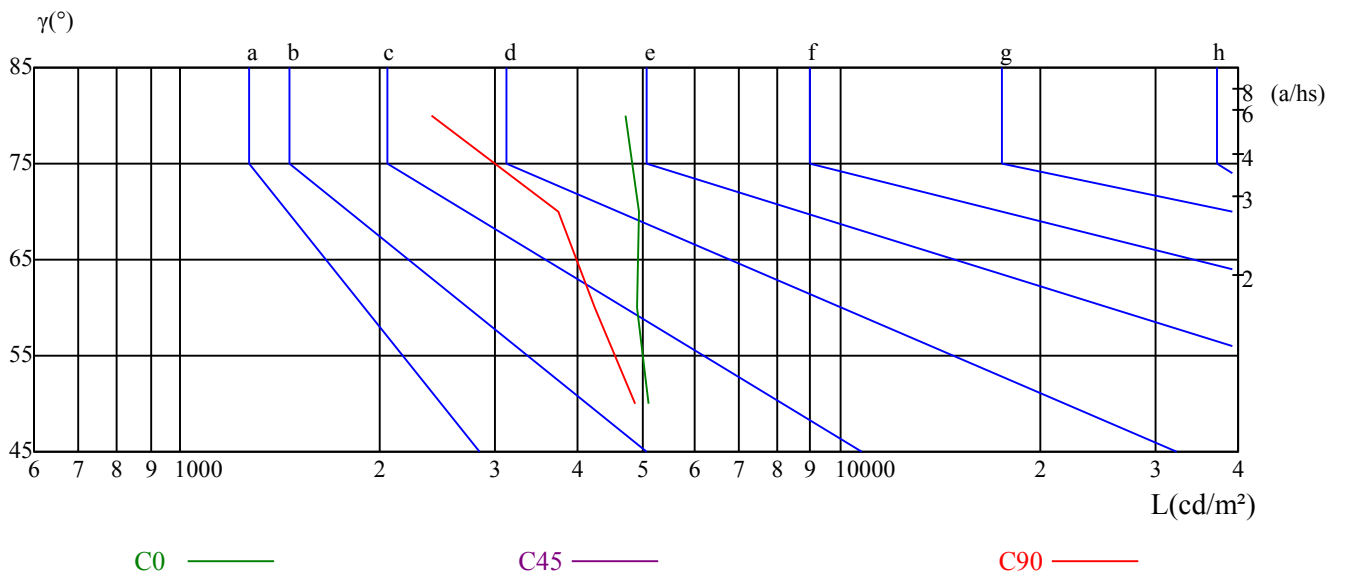
γ	45	50	55	60	65	70	75	80	85
C0	0	5120	0	4929	0	4961	0	4722	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4882	0	4243	0	3726	0	2407	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
858625	840794	0	813591	801400	0	383068	379045	0

眩光等级表

眩光等级	质量等级	使用照度(lx)							
		a	b	c	d	e	f	g	h
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

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	9.85	10.92	10.22	11.23	11.55	10.41	11.48	10.78	11.79	12.10
	3H	11.45	12.40	11.83	12.73	13.10	12.45	13.39	12.83	13.73	14.09
	4H	12.02	12.89	12.42	13.25	13.63	13.16	14.04	13.57	14.39	14.78
	6H	12.34	13.15	12.76	13.52	13.92	13.70	14.50	14.12	14.88	15.27
	8H	12.41	13.17	12.85	13.56	13.97	13.87	14.63	14.31	15.02	15.43
	12H	12.47	13.20	12.91	13.58	14.01	14.08	14.80	14.51	15.18	15.61
4H	2H	10.57	11.45	10.98	11.80	12.19	11.00	11.88	11.41	12.23	12.62
	3H	12.34	13.06	12.75	13.47	13.87	13.27	14.00	13.69	14.40	14.81
	4H	12.99	13.63	13.42	14.05	14.50	14.07	14.72	14.51	15.14	15.59
	6H	13.33	13.88	13.80	14.33	14.80	14.59	15.14	15.06	15.59	16.06
	8H	13.42	13.93	13.89	14.38	14.86	14.80	15.31	15.27	15.76	16.24
	12H	13.48	13.93	13.97	14.42	14.89	15.00	15.45	15.49	15.94	16.41
8H	4H	13.28	13.80	13.75	14.24	14.72	14.23	14.74	14.70	15.19	15.67
	6H	13.73	14.14	14.24	14.64	15.13	14.84	15.25	15.35	15.75	16.24
	8H	13.88	14.24	14.41	14.76	15.26	15.11	15.47	15.64	15.99	16.49
	12H	14.48	14.79	15.00	15.29	15.87	15.85	16.16	16.37	16.66	17.24
12H	4H	13.28	13.73	13.77	14.22	14.69	14.21	14.65	14.70	15.14	15.62
	6H	14.11	14.13	14.30	14.60	15.15	15.18	15.21	15.38	15.68	16.22
	8H	13.95	14.26	14.47	14.76	15.34	15.14	15.46	15.66	15.96	16.53
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.2/-0.6					
S = 1.5H	0.8/-0.8					0.8/-0.7					
S = 2.0H	1.7/-1.0					1.0/-0.7					
标准表格	BK3					BK3					
更正系数	-1.9					-0.9					

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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	10320.44	10167.73	9555.37	8574.66	7292.37	5945.63	4631.11	3530.70	2643.61
30.0	10605.90	10339.62	9597.57	8475.67	7160.39	5770.67	4507.57	3361.11	2456.37
60.0	10506.14	10162.36	9414.94	8270.01	6904.08	5556.57	4362.53	3236.79	2332.06
90.0	10453.96	10216.08	9533.88	8526.31	7128.92	5832.82	4573.56	3488.49	2544.62
120.0	10394.11	10135.50	9429.52	8331.40	7071.37	5722.32	4443.87	3382.59	2480.16
150.0	10357.27	10194.59	9572.25	8595.38	7298.51	5920.31	4625.74	3519.19	2581.45
180.0	10320.44	10097.13	9419.54	8305.31	7011.51	5622.56	4344.88	3303.55	2404.19
210.0	10605.90	10467.78	9904.52	8902.33	7581.67	6158.96	4803.01	3677.27	2645.91
240.0	10506.14	10419.43	9922.94	8938.40	7669.16	6378.43	5019.41	3803.88	2812.43
270.0	10453.96	10291.28	9685.82	8692.84	7435.11	6061.50	4729.34	3642.73	2667.40
300.0	10394.11	10279.77	9724.96	8729.67	7547.14	6192.72	4924.25	3701.05	2787.88
330.0	10357.27	10163.90	9490.91	8421.95	7233.29	5870.43	4567.42	3522.26	2597.57
360.0	10320.44	10167.73	9555.37	8574.66	7292.37	5945.63	4631.11	3530.70	2643.61
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1882.37	1362.86	982.24	719.80	550.98	442.01	375.02	301.20	255.92
30.0	1741.94	1252.36	887.85	671.45	515.68	414.38	341.41	286.46	246.25
60.0	1512.42	1192.50	866.06	646.82	506.24	405.17	336.42	282.09	240.88
90.0	1826.35	1317.58	948.48	705.22	538.70	431.27	352.30	296.51	251.32
120.0	1781.08	1303.39	950.40	710.74	554.35	441.47	360.90	300.27	255.92
150.0	1898.49	1350.58	972.27	732.08	550.98	442.01	387.52	305.57	258.38
180.0	1629.91	1207.85	887.39	661.55	518.21	416.92	345.09	291.99	248.02
210.0	1881.61	1339.76	957.69	706.22	550.29	434.57	353.91	298.66	252.85
240.0	1973.69	1393.55	997.59	740.52	566.32	446.61	389.06	303.57	259.45
270.0	1906.16	1398.39	1005.42	751.88	569.70	451.91	364.20	306.11	258.15
300.0	2015.13	1477.97	1075.86	793.47	615.44	484.21	389.06	323.22	273.26
330.0	1874.70	1381.66	995.67	744.35	564.79	450.14	365.65	307.26	259.68
360.0	1882.37	1362.86	982.24	719.80	550.98	442.01	375.02	301.20	255.92
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	217.70	189.08	166.37	149.56	136.59	126.16	117.56	110.58	104.75
30.0	212.33	185.63	163.99	147.57	134.21	123.93	115.11	107.82	102.44
60.0	208.34	183.33	161.99	145.19	132.76	122.24	114.11	106.28	100.37
90.0	214.79	185.40	163.53	145.34	131.60	121.17	112.50	105.44	98.07
120.0	219.78	191.31	169.28	150.79	136.13	124.78	115.95	107.97	101.68
150.0	222.62	192.76	170.43	151.40	136.59	125.54	116.33	109.27	102.98
180.0	213.33	185.70	165.06	148.18	136.21	125.24	116.56	109.73	103.83
210.0	220.24	192.30	171.51	153.01	137.97	126.69	117.49	110.50	104.29
240.0	221.93	194.22	171.97	154.09	139.36	127.08	117.49	109.66	102.91
270.0	219.47	190.69	165.91	147.11	133.22	122.78	113.96	107.05	99.91
300.0	230.67	200.44	175.88	155.09	139.89	127.92	118.48	110.81	104.29
330.0	222.23	194.15	170.36	151.48	137.13	126.00	116.95	109.66	103.52
360.0	217.70	189.08	166.37	149.56	136.59	126.16	117.56	110.58	104.75
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	98.76	93.85	88.48	82.80	77.35	72.59	67.99	62.85	57.02
30.0	97.53	93.39	89.48	86.10	82.19	77.97	72.67	66.53	59.09
60.0	94.77	89.48	82.95	76.35	70.29	64.69	58.78	52.41	46.35
90.0	90.55	83.26	76.97	71.29	65.46	60.09	54.48	48.81	42.82
120.0	95.85	90.24	83.80	77.58	71.44	65.69	59.93	53.49	46.96
150.0	97.92	93.77	90.09	87.33	84.10	79.81	74.36	67.91	60.32
180.0	98.15	93.01	87.48	81.42	76.20	71.29	66.61	61.24	55.17
210.0	99.22	95.08	90.93	87.25	83.64	79.12	73.74	67.99	60.62
240.0	97.07	92.01	85.95	79.42	73.28	67.61	61.70	55.40	49.27
270.0	92.55	85.64	78.96	73.28	67.38	61.54	55.71	49.65	43.89
300.0	98.30	92.85	86.79	80.57	74.13	68.22	62.46	56.10	49.50
330.0	98.45	94.08	90.32	87.63	84.10	79.96	74.59	68.22	61.08
360.0	98.76	93.85	88.48	82.80	77.35	72.59	67.99	62.85	57.02

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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	50.49	44.43	38.14	32.77	27.55	20.18	14.20	8.52	2.76
30.0	51.26	41.90	32.46	24.71	18.95	13.28	8.98	3.15	1.30
60.0	39.75	33.46	27.40	22.87	15.58	8.13	5.22	2.76	1.23
90.0	37.37	32.15	28.01	23.25	14.04	7.90	6.60	2.38	1.61
120.0	40.36	34.38	28.24	21.49	15.65	8.98	5.60	2.76	1.23
150.0	52.03	42.36	32.92	24.94	19.18	13.81	9.52	3.07	1.15
180.0	49.19	42.74	36.45	31.08	25.48	18.19	13.28	7.14	1.00
210.0	52.64	43.66	33.84	25.86	19.88	14.58	9.67	4.14	1.76
240.0	42.44	36.30	29.85	24.25	20.26	12.12	6.22	4.68	1.61
270.0	37.91	32.38	27.78	24.86	16.88	9.98	7.37	3.91	1.69
300.0	42.74	36.37	29.85	24.33	20.34	12.28	6.06	4.53	1.53
330.0	52.49	43.28	33.61	25.55	19.49	14.12	9.44	4.45	1.69
360.0	50.49	44.43	38.14	32.77	27.55	20.18	14.20	8.52	2.76
C/γ(°)	90.0								
0.0	0.46								
30.0	0.31								
60.0	0.31								
90.0	0.23								
120.0	0.23								
150.0	0.31								
180.0	0.31								
210.0	0.61								
240.0	0.69								
270.0	0.77								
300.0	0.77								
330.0	0.54								
360.0	0.46								