

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3083A-24-UN-RC-Y(12-XL-24RGBWH-AJ, L610mm, C, CT)

报告编号:

电压(V): 201.4000

测试编号: 20210226005

电流(A): 0.5030

光源规格型号: XL

功率(W): 99.9000

每个光源光通量(lm)

功率因数: 0.9850

光源数量: 24

镇流器型号:

发光面长度(mm): 550

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): 5184.94

灯具效能(lm/w): 51.90

中心光强(cd): 55888.000

最大光强(cd): 57468.790

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=13.9

[C90/270]Total=13.6

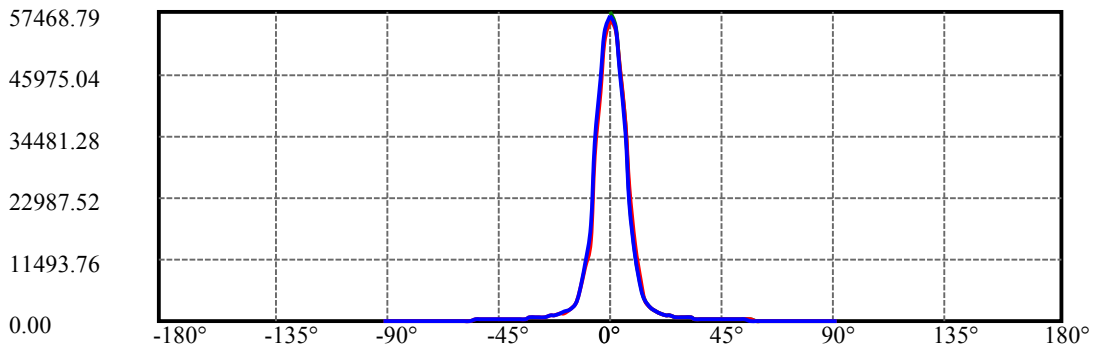
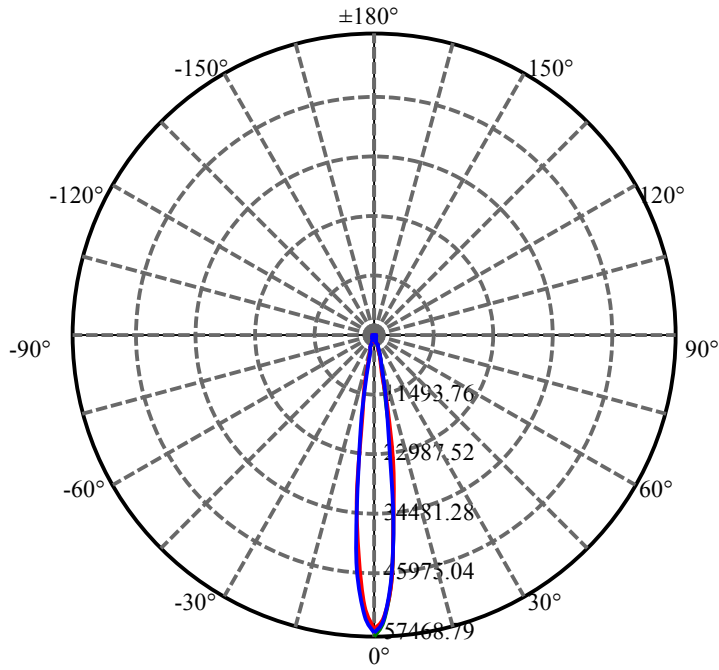
光束扩散角(10%Imax): [C0/180]Total=25.0

[C90/270]Total=24.3

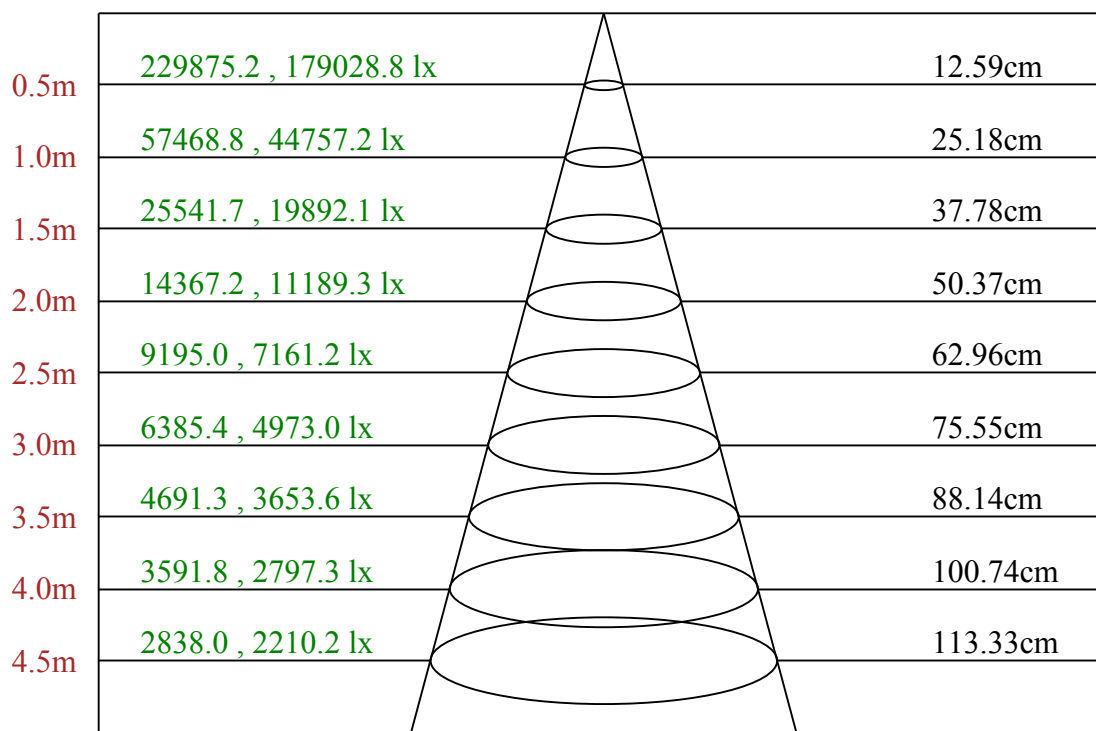
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/26
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

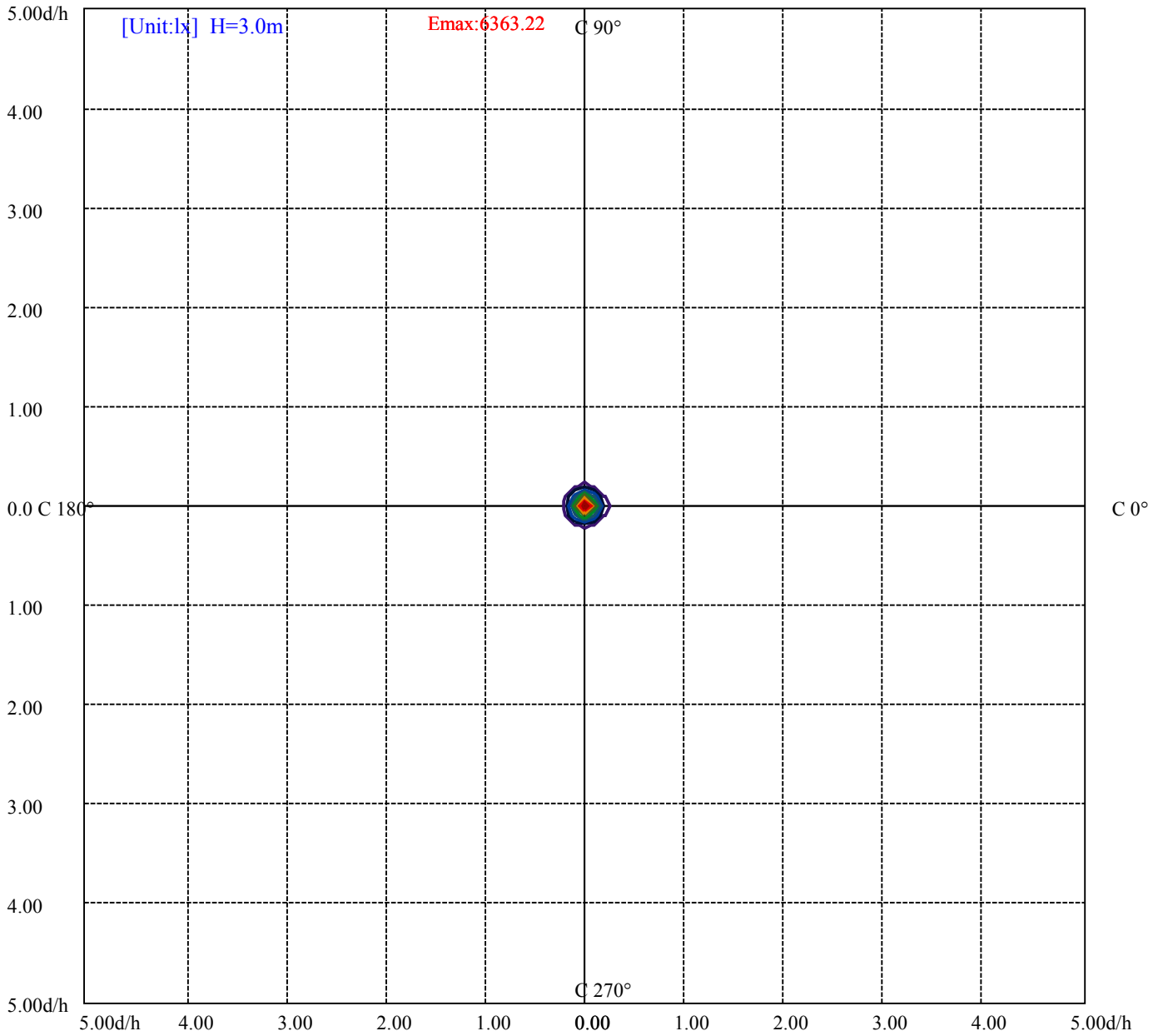


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角14.35

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平面等照度曲线



- (10%Emax) 636.3222
- (20%Emax) 1272.644
- (30%Emax) 1908.967
- (40%Emax) 2545.289
- (50%Emax) 3181.611
- (60%Emax) 3817.933
- (70%Emax) 4454.256
- (80%Emax) 5090.578
- (90%Emax) 5726.9

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

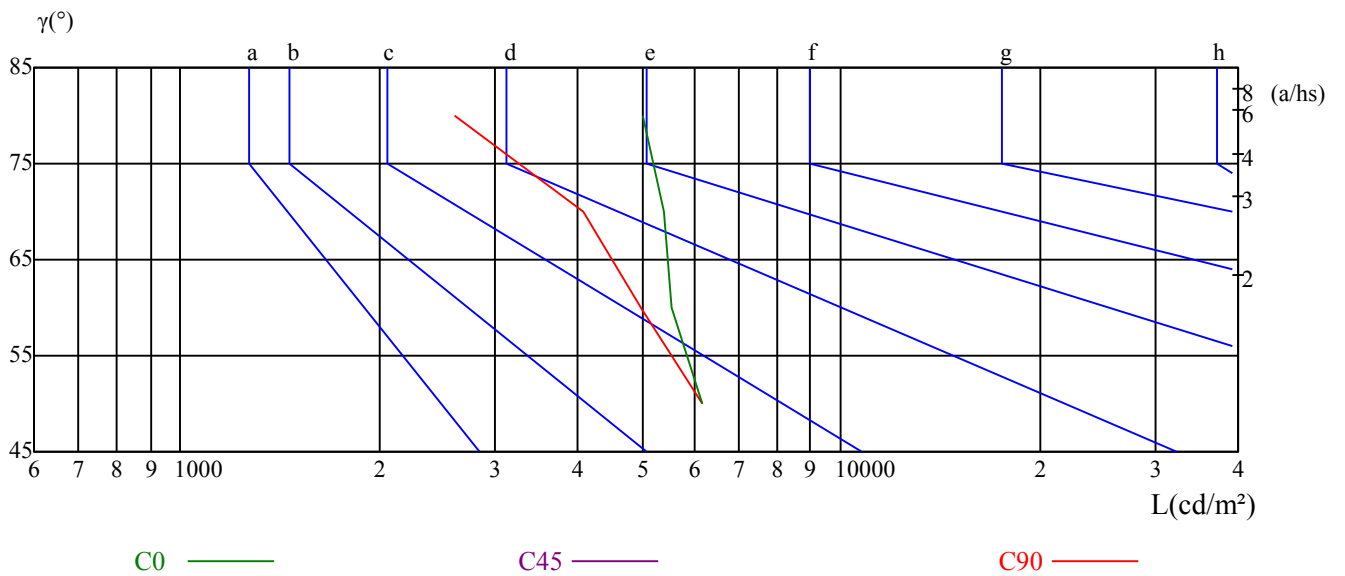
γ	45	50	55	60	65	70	75	80	85
C0	0	6156	0	5562	0	5381	0	5020	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6177	0	4975	0	4068	0	2594	0

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)							
		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	7.46	8.49	7.83	8.81	9.12	7.77	8.80	8.13	9.11	9.43
	3H	8.81	9.72	9.19	10.06	10.42	9.60	10.51	9.98	10.84	11.21
	4H	9.25	10.10	9.66	10.45	10.84	10.28	11.12	10.68	11.48	11.87
	6H	9.48	10.25	9.90	10.63	11.02	10.76	11.54	11.18	11.91	12.31
	8H	9.51	10.24	9.94	10.63	11.04	10.91	11.64	11.35	12.03	12.44
	12H	9.53	10.22	9.96	10.61	11.04	11.09	11.79	11.53	12.17	12.60
4H	2H	8.01	8.85	8.42	9.21	9.60	8.25	9.10	8.66	9.45	9.84
	3H	9.53	10.22	9.95	10.63	11.04	10.33	11.02	10.74	11.43	11.83
	4H	10.06	10.67	10.49	11.10	11.55	11.10	11.72	11.54	12.15	12.59
	6H	10.31	10.84	10.78	11.29	11.77	11.59	12.12	12.06	12.57	13.04
	8H	10.36	10.86	10.84	11.31	11.78	11.77	12.26	12.25	12.71	13.19
	12H	10.39	10.81	10.88	11.30	11.78	11.95	12.38	12.45	12.87	13.35
8H	4H	10.30	10.80	10.78	11.25	11.72	11.23	11.72	11.70	12.17	12.65
	6H	10.67	11.06	11.18	11.56	12.05	11.81	12.20	12.32	12.71	13.19
	8H	10.77	11.11	11.30	11.64	12.13	12.06	12.41	12.59	12.93	13.42
	12H	11.37	11.66	11.89	12.16	12.74	12.77	13.07	13.29	13.57	14.15
12H	4H	10.30	10.73	10.79	11.22	11.69	11.20	11.63	11.69	12.12	12.59
	6H	11.00	11.04	11.23	11.52	12.06	12.11	12.15	12.34	12.62	13.17
	8H	10.83	11.13	11.35	11.63	12.21	12.09	12.38	12.61	12.88	13.46
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.3/-0.5					
S = 1.5H	0.8/-0.9					0.8/-0.7					
S = 2.0H	1.8/-1.1					1.0/-0.8					
标准表格	BK3					BK3					
更正系数	-1.7					-0.9					

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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	55887.99	53923.51	47416.16	36657.55	25001.11	14303.89	7366.81	4074.77	2628.26
30.0	57468.79	54706.24	47055.50	36250.84	22967.56	12669.38	6422.94	3975.01	2414.93
60.0	57069.75	53823.75	45620.50	33480.61	20895.65	10768.59	5573.45	3229.89	2257.62
90.0	56747.46	54322.55	46387.88	34892.59	21801.15	12009.43	6185.05	3913.62	2384.24
120.0	56448.18	53010.33	44262.25	32413.96	20043.86	11077.07	5843.57	3500.00	2352.77
150.0	56194.94	53125.44	45006.60	32866.71	21171.90	11587.38	6323.18	3913.62	2437.95
180.0	55887.99	51667.43	42313.11	30679.69	15073.57	9830.09	5287.99	3095.59	2155.56
210.0	57468.79	54591.13	46433.92	33787.57	20872.63	11136.93	5540.45	3307.39	2213.11
240.0	57069.75	54767.63	47285.71	34969.32	22345.99	11733.18	5732.30	3928.97	2291.38
270.0	56747.46	53601.21	44945.21	33150.64	17971.95	10638.13	5439.16	3299.72	2227.69
300.0	56448.18	53808.41	45850.72	34846.54	22392.03	12331.73	6361.55	3944.31	2477.86
330.0	56194.94	52872.21	45052.64	33534.33	22200.19	12268.81	6410.66	3711.03	2477.09
360.0	55887.99	53923.51	47416.16	36657.55	25001.11	14303.89	7366.81	4074.77	2628.26
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1871.63	1472.59	1217.83	1007.56	854.86	740.52	649.20	568.63	504.17
30.0	1803.33	1433.46	1174.85	984.54	832.60	724.40	633.85	557.88	494.19
60.0	1695.90	1390.72	1143.39	958.76	814.03	707.90	624.18	549.13	487.82
90.0	1808.71	1444.20	1184.83	989.15	848.72	738.98	648.43	573.23	504.17
120.0	1771.10	1428.85	1186.52	990.22	852.71	743.74	650.97	571.93	506.47
150.0	1817.15	1448.04	1198.64	999.12	851.02	740.52	651.50	571.70	508.77
180.0	1523.70	1331.86	1100.42	930.98	796.69	693.25	610.83	538.08	477.69
210.0	1708.18	1386.19	1146.31	950.01	809.35	705.83	617.28	545.99	484.14
240.0	1728.90	1394.32	1153.37	949.24	811.88	703.68	613.90	543.30	481.91
270.0	1689.76	1389.56	1140.40	949.40	820.17	714.50	625.80	555.81	489.66
300.0	1844.77	1467.22	1201.71	1002.19	854.09	743.59	648.43	574.76	510.31
330.0	1817.91	1471.75	1201.86	996.36	857.31	738.60	649.20	572.16	509.69
360.0	1871.63	1472.59	1217.83	1007.56	854.86	740.52	649.20	568.63	504.17
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	449.68	402.87	365.19	326.21	294.75	268.35	247.86	228.52	211.03
30.0	440.47	395.97	358.83	325.75	294.67	269.04	248.32	230.14	212.72
60.0	435.26	391.98	354.30	320.46	292.22	267.66	247.40	227.53	210.34
90.0	449.68	396.73	359.52	324.06	293.44	267.58	247.56	229.29	211.49
120.0	452.75	404.25	365.12	329.51	298.97	274.11	253.69	232.67	214.02
150.0	450.45	402.87	363.28	326.98	297.51	271.88	251.39	231.44	213.94
180.0	426.28	384.07	345.32	312.32	282.47	258.22	237.66	218.86	201.90
210.0	434.18	389.98	352.84	318.00	289.22	265.13	246.33	227.83	211.03
240.0	431.27	387.52	353.99	319.38	290.84	266.97	247.17	227.83	211.34
270.0	436.10	390.44	351.38	316.01	286.15	262.75	242.87	225.07	207.58
300.0	452.75	408.24	368.11	330.97	300.81	276.72	253.92	234.20	215.56
330.0	452.68	406.10	366.04	328.90	298.05	271.96	251.09	231.21	213.41
360.0	449.68	402.87	365.19	326.21	294.75	268.35	247.86	228.52	211.03
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	196.76	184.40	172.58	160.61	149.87	138.82	127.54	117.26	106.28
30.0	198.52	187.16	175.35	164.14	152.71	141.73	130.61	119.56	107.51
60.0	195.60	183.40	169.90	153.71	136.67	122.47	109.27	96.54	84.56
90.0	194.68	175.96	158.85	143.65	130.76	119.10	106.44	93.54	80.34
120.0	199.59	186.01	172.66	155.32	138.74	123.55	110.66	97.76	84.95
150.0	199.90	188.31	176.50	165.22	154.40	142.58	131.68	119.17	107.59
180.0	189.00	178.34	166.60	155.01	143.81	133.06	121.09	109.81	100.37
210.0	198.21	186.78	175.88	164.06	153.55	141.81	130.84	119.25	106.90
240.0	196.14	183.71	170.36	154.24	138.66	123.85	110.73	98.07	85.41
270.0	191.00	174.19	155.78	141.73	129.07	117.02	104.13	91.24	78.35
300.0	199.75	186.40	172.97	155.85	139.05	124.62	110.66	97.92	85.10
330.0	199.90	187.93	175.58	163.45	152.55	141.04	130.15	118.64	106.13
360.0	196.76	184.40	172.58	160.61	149.87	138.82	127.54	117.26	106.28

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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	95.00	83.95	73.67	62.31	50.34	38.22	27.09	16.73	6.83
30.0	94.69	79.58	61.54	48.73	35.91	25.55	19.03	5.37	2.30
60.0	71.83	59.39	47.96	41.21	30.46	15.50	9.44	5.14	2.46
90.0	68.68	57.32	49.19	42.74	26.01	13.58	10.51	4.99	2.84
120.0	72.90	59.86	48.81	40.75	32.08	15.42	9.06	5.37	2.46
150.0	94.54	79.42	61.08	47.12	36.07	24.48	17.73	5.68	2.53
180.0	88.94	76.43	65.92	55.25	42.74	31.62	21.18	11.89	4.07
210.0	94.69	79.19	60.93	47.12	36.14	24.79	18.11	5.60	2.69
240.0	72.44	61.01	49.34	40.82	33.61	16.27	8.75	5.60	2.69
270.0	65.92	54.79	47.12	38.14	22.71	11.36	9.36	3.91	2.53
300.0	72.52	60.24	49.04	40.82	30.93	15.35	8.75	4.91	2.46
330.0	93.31	76.58	59.09	46.12	34.92	23.87	17.73	4.60	2.00
360.0	95.00	83.95	73.67	62.31	50.34	38.22	27.09	16.73	6.83

C/γ(°)	90.0
0.0	0.69
30.0	0.54
60.0	0.54
90.0	0.69
120.0	0.77
150.0	0.84
180.0	0.38
210.0	0.84
240.0	0.54
270.0	0.31
300.0	0.38
330.0	0.46
360.0	0.69