

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1123A-5-24DC-RC-Y(40-XL-5RGBWN-AJ, CT)

报告编号:

电压(V): 23.7000

测试编号: 20210414003

电流(A): 0.8860

光源规格型号: XL

功率(W): 21.0000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 5

镇流器型号:

发光面长度(mm): 112

发光面宽度(mm): 112

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1025.89

灯具效能(lm/w): 48.85

中心光强(cd): 1480.115

最大光强(cd): 1492.239

最大光强角度: $C=30.0$ $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=42.1

[C90/270]Total=42.0

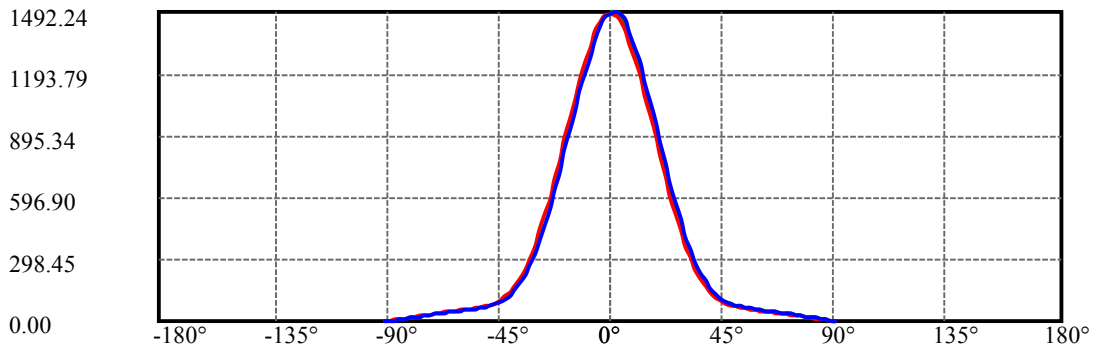
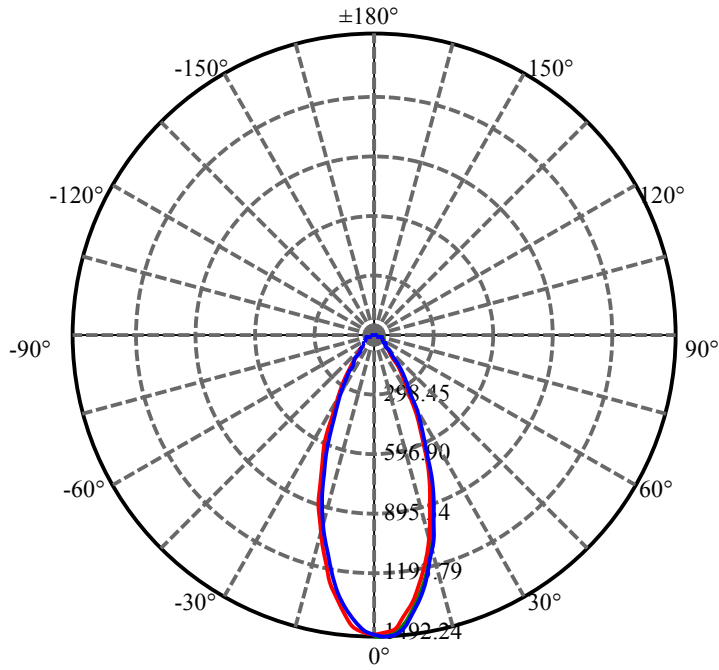
光束扩散角(10%Imax): [C0/180]Total=78.9

[C90/270]Total=78.8

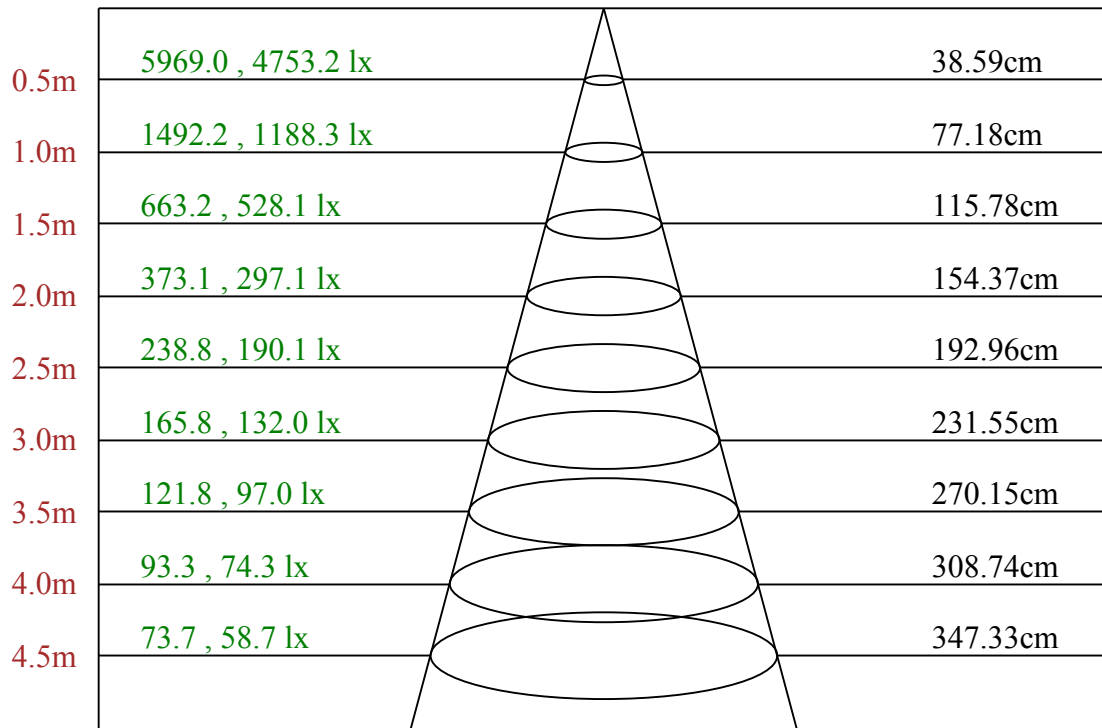
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/14
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

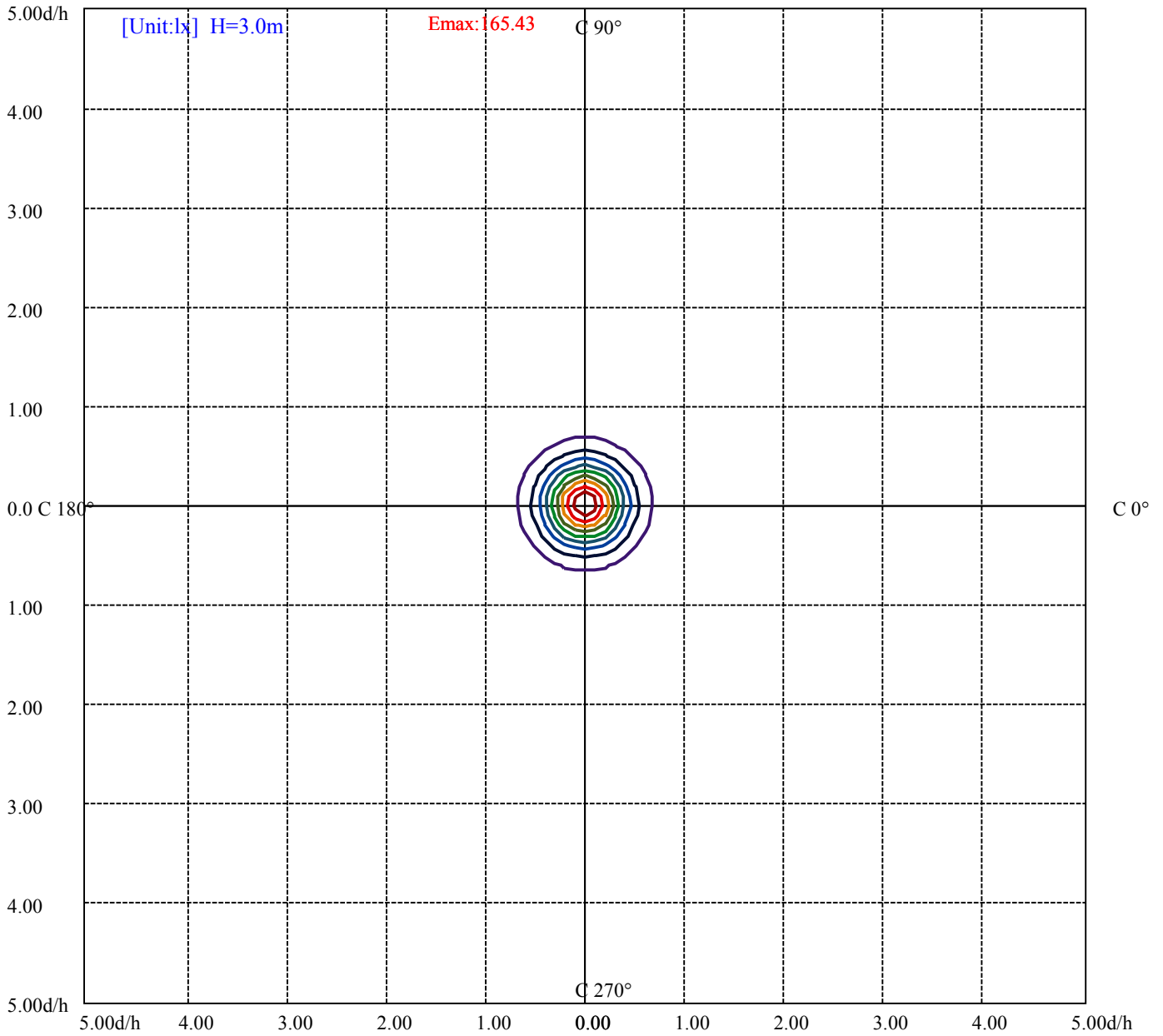


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角42.20

ROLED 投光灯
平面等照度曲线



(10%Emax) 16.54289	——
(20%Emax) 33.08589	——
(30%Emax) 49.62878	——
(40%Emax) 66.17166	——
(50%Emax) 82.71467	——
(60%Emax) 99.25755	——
(70%Emax) 115.8	——
(80%Emax) 132.3433	——
(90%Emax) 148.8867	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

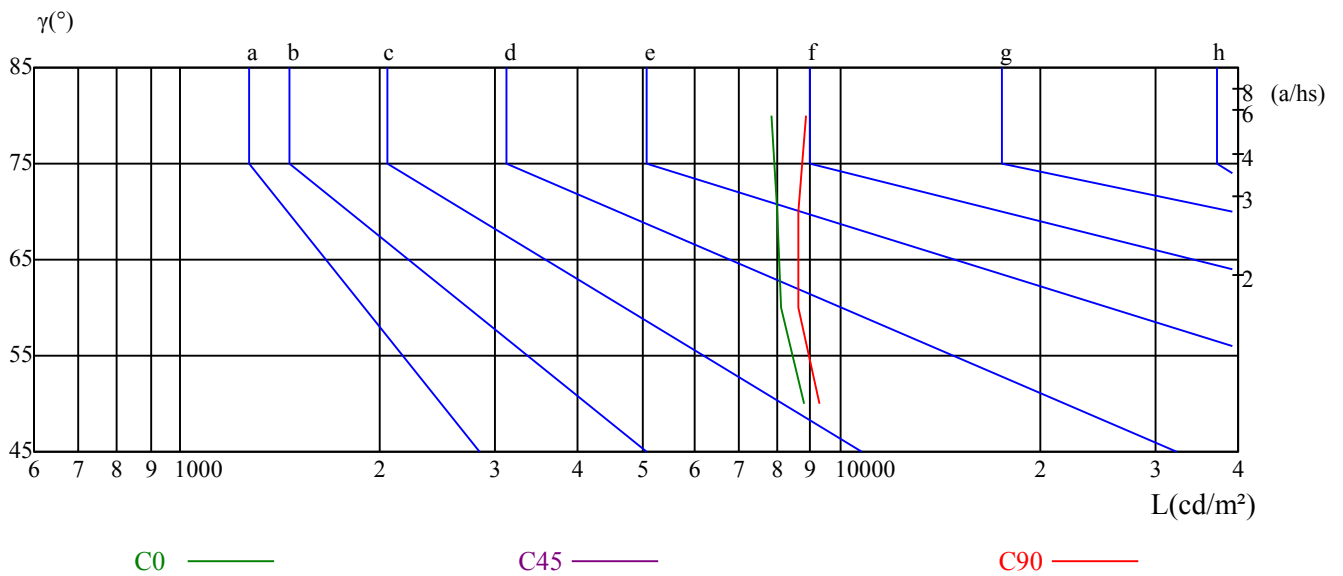
γ	45	50	55	60	65	70	75	80	85
C0	0	8775	0	8124	0	7995	0	7856	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9317	0	8601	0	8603	0	8878	0

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

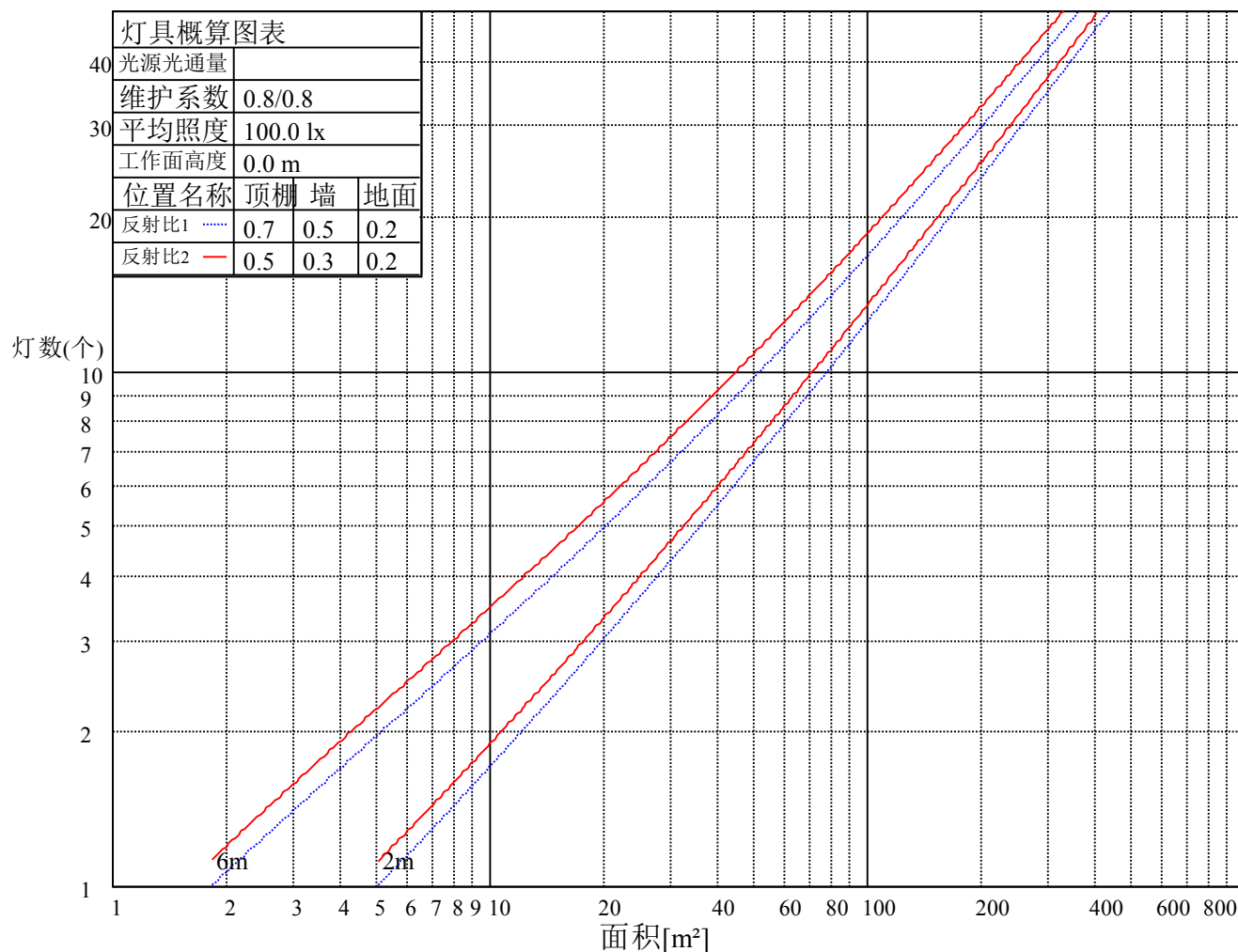
眩光等级表

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	16.18	17.36	16.55	17.67	17.99	16.18	17.36	16.55	17.67	17.99
	3H	18.16	19.21	18.54	19.54	19.90	18.15	19.20	18.53	19.53	19.90
	4H	18.96	19.94	19.37	20.29	20.68	18.95	19.93	19.35	20.28	20.66
	6H	19.60	20.50	20.02	20.87	21.27	19.59	20.49	20.01	20.87	21.26
	8H	19.82	20.67	20.26	21.06	21.47	19.82	20.67	20.25	21.06	21.47
	12H	20.09	20.90	20.52	21.28	21.71	20.09	20.90	20.52	21.28	21.71
4H	2H	16.80	17.78	17.20	18.13	18.51	16.80	17.77	17.20	18.13	18.51
	3H	18.99	19.80	19.41	20.21	20.61	18.99	19.80	19.40	20.20	20.61
	4H	19.93	20.66	20.37	21.08	21.52	19.92	20.65	20.36	21.07	21.52
	6H	20.57	21.20	21.04	21.65	22.12	20.57	21.20	21.04	21.64	22.11
	8H	20.86	21.44	21.33	21.89	22.36	20.86	21.44	21.33	21.89	22.36
	12H	21.14	21.65	21.62	22.13	22.61	21.14	21.65	21.63	22.14	22.61
8H	4H	20.26	20.84	20.73	21.29	21.76	20.25	20.83	20.72	21.28	21.75
	6H	21.08	21.55	21.58	22.05	22.53	21.08	21.55	21.58	22.05	22.53
	8H	21.46	21.88	21.98	22.39	22.89	21.46	21.88	21.98	22.40	22.89
	12H	22.17	22.54	22.69	23.03	23.61	22.18	22.54	22.69	23.04	23.61
12H	4H	20.28	20.80	20.77	21.28	21.76	20.28	20.79	20.77	21.27	21.75
	6H	21.64	21.58	21.69	22.05	22.59	21.63	21.58	21.68	22.04	22.59
	8H	21.59	21.96	22.11	22.46	23.03	21.60	21.96	22.11	22.46	23.03
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-0.8					0.7/-0.8					
S = 1.5H	1.2/-0.8					1.1/-0.8					
S = 2.0H	2.1/-0.8					2.0/-0.9					
标准表格	BKBF					BKBF					
更正系数	6.7					6.2					



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	0.98	0.99	0.97	0.96	0.95	0.94	0.93	0.91
2	1.00	0.95	0.91	0.98	0.94	0.90	0.95	0.91	0.88	0.92	0.89	0.86	0.89	0.87	0.85	0.83
3	0.92	0.87	0.82	0.91	0.86	0.81	0.88	0.84	0.80	0.86	0.82	0.79	0.83	0.80	0.78	0.76
4	0.86	0.80	0.75	0.85	0.79	0.74	0.82	0.77	0.73	0.80	0.76	0.73	0.78	0.75	0.72	0.70
5	0.80	0.74	0.69	0.79	0.73	0.69	0.77	0.72	0.68	0.76	0.71	0.67	0.74	0.70	0.67	0.65
6	0.75	0.69	0.64	0.74	0.68	0.64	0.73	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.62	0.61
7	0.71	0.64	0.60	0.70	0.64	0.59	0.69	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.58	0.57
8	0.67	0.60	0.56	0.66	0.60	0.56	0.65	0.59	0.56	0.64	0.59	0.55	0.63	0.58	0.55	0.54
9	0.63	0.57	0.53	0.63	0.57	0.53	0.62	0.56	0.52	0.61	0.56	0.52	0.60	0.55	0.52	0.51
10	0.60	0.54	0.50	0.59	0.54	0.50	0.59	0.53	0.50	0.58	0.53	0.49	0.57	0.53	0.49	0.48

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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	1480.11	1477.97	1455.48	1402.84	1337.23	1261.26	1177.77	1082.54	990.99
30.0	1489.71	1492.24	1480.35	1437.60	1370.99	1296.71	1211.99	1120.22	1031.35
60.0	1488.02	1490.78	1483.87	1445.58	1378.90	1302.01	1220.51	1127.43	1036.19
90.0	1484.95	1488.71	1486.41	1453.41	1393.63	1318.89	1240.69	1147.92	1058.36
120.0	1483.72	1485.95	1474.44	1437.07	1372.22	1298.86	1216.44	1123.44	1033.12
150.0	1481.88	1481.34	1468.22	1426.01	1361.33	1285.28	1205.39	1114.00	1019.54
180.0	1480.11	1475.36	1450.26	1394.94	1327.18	1246.99	1159.66	1071.79	976.72
210.0	1489.71	1476.82	1440.52	1377.36	1302.54	1222.89	1131.34	1040.72	942.80
240.0	1488.02	1472.90	1437.60	1370.15	1298.71	1213.14	1124.21	1032.35	935.74
270.0	1484.95	1466.23	1424.02	1357.03	1282.21	1195.80	1109.63	1016.54	921.85
300.0	1483.72	1470.14	1439.21	1377.21	1305.00	1226.65	1130.42	1044.02	946.02
330.0	1481.88	1473.82	1440.90	1379.05	1311.37	1229.34	1139.78	1050.84	950.63
360.0	1480.11	1477.97	1455.48	1402.84	1337.23	1261.26	1177.77	1082.54	990.99
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	890.62	797.76	698.54	606.38	519.21	436.79	363.43	301.35	250.09
30.0	933.44	838.67	732.08	639.45	547.60	466.41	390.75	324.14	269.12
60.0	937.43	836.59	734.99	642.60	550.36	465.57	393.28	326.29	271.27
90.0	958.99	858.77	763.23	664.85	572.77	486.82	412.39	342.56	284.77
120.0	935.51	835.44	737.06	645.82	554.05	473.93	397.88	330.43	272.42
150.0	921.93	827.38	727.78	632.85	547.14	464.26	389.21	323.14	268.89
180.0	880.64	781.88	689.64	597.48	514.60	435.10	363.81	300.73	247.56
210.0	851.25	753.95	655.65	568.40	483.68	404.56	336.95	281.09	230.52
240.0	841.96	747.04	651.04	559.57	480.38	402.41	337.03	279.02	229.52
270.0	823.93	725.17	631.01	542.61	460.89	384.53	323.07	266.82	219.09
300.0	850.02	753.64	655.11	566.94	483.06	404.71	335.88	280.71	230.90
330.0	851.02	751.26	656.64	565.63	485.60	405.40	337.57	281.32	230.44
360.0	890.62	797.76	698.54	606.38	519.21	436.79	363.43	301.35	250.09
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	205.35	170.82	138.43	115.80	97.92	85.26	76.20	70.75	65.99
30.0	221.85	182.33	149.72	124.85	104.52	89.63	79.96	73.36	68.22
60.0	222.00	184.48	151.48	126.16	105.36	90.24	80.34	73.21	68.37
90.0	234.74	193.00	158.39	131.76	109.89	93.62	82.49	75.13	69.75
120.0	227.07	186.32	153.01	127.15	106.20	90.86	80.19	73.82	68.53
150.0	221.93	184.09	151.10	124.93	105.51	90.40	79.73	73.21	68.45
180.0	205.96	169.13	140.12	116.10	97.84	84.87	76.58	70.98	66.07
210.0	192.23	158.16	129.53	109.43	93.77	82.19	74.90	70.21	65.53
240.0	190.31	156.70	128.46	107.36	92.78	81.50	74.44	69.52	64.84
270.0	182.33	149.79	123.16	104.06	90.09	79.65	73.51	68.45	64.08
300.0	191.23	157.70	129.38	108.12	93.01	81.42	74.21	69.14	64.46
330.0	190.39	156.31	129.53	108.51	92.78	81.80	74.51	69.29	64.77
360.0	205.35	170.82	138.43	115.80	97.92	85.26	76.20	70.75	65.99
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	61.77	57.86	54.25	50.95	47.73	44.35	41.13	37.75	34.30
30.0	63.69	60.09	56.40	53.18	49.73	46.35	42.90	39.52	36.14
60.0	64.00	60.16	56.48	52.80	49.57	46.27	42.90	39.67	36.22
90.0	64.84	61.01	57.55	53.95	50.65	47.19	43.89	40.29	36.91
120.0	63.85	59.86	56.25	52.72	49.42	46.43	42.97	39.90	36.37
150.0	63.85	60.01	56.33	52.95	49.73	46.43	43.13	39.67	36.45
180.0	62.23	58.24	54.94	51.34	48.27	45.12	41.90	38.68	35.15
210.0	61.54	58.01	54.33	51.03	47.58	44.20	40.90	37.68	34.07
240.0	60.78	57.09	53.56	50.26	47.27	43.97	40.59	37.22	33.69
270.0	60.16	56.71	53.10	49.80	46.50	42.97	39.60	36.22	32.69
300.0	60.24	56.79	53.26	49.96	46.81	43.66	40.29	36.91	33.23
330.0	60.85	57.17	53.79	50.42	47.04	43.59	40.13	36.68	33.07
360.0	61.77	57.86	54.25	50.95	47.73	44.35	41.13	37.75	34.30

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光强数据表(cd)

附页 第 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	30.77	27.47	23.87	20.64	17.11	13.43	9.67	5.37	1.53
30.0	32.46	29.01	25.40	21.79	18.42	14.58	10.82	7.21	2.99
60.0	32.77	29.31	25.78	22.33	18.72	15.19	11.36	7.37	3.30
90.0	33.30	30.00	26.55	23.02	19.34	15.65	11.82	8.13	4.07
120.0	32.92	29.31	25.71	22.25	18.65	15.19	11.28	7.37	3.30
150.0	32.77	29.31	25.71	22.25	18.72	14.96	10.97	6.91	2.84
180.0	31.62	27.78	24.40	20.80	17.34	13.58	9.67	5.76	1.84
210.0	30.62	27.01	23.48	19.95	16.19	12.43	8.36	3.99	0.46
240.0	30.00	26.40	22.94	19.41	15.73	12.05	8.13	3.99	0.23
270.0	29.39	25.63	22.18	18.65	14.81	10.97	7.06	3.15	0.15
300.0	29.77	26.24	22.56	19.11	15.58	11.82	7.83	3.68	0.15
330.0	29.77	26.32	22.64	19.26	15.50	11.74	8.29	4.14	0.31
360.0	30.77	27.47	23.87	20.64	17.11	13.43	9.67	5.37	1.53
C/γ(°)	90.0								
0.0	0.00								
30.0	0.08								
60.0	0.08								
90.0	0.31								
120.0	0.08								
150.0	0.08								
180.0	0.00								
210.0	0.08								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	0.00								