

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F2222A-18-36DC-RC-Y (3015-XL-18RGBWN-C, CT)

报告编号:

电压(V): 36.3000

测试编号: 20210305009

电流(A): 1.9320

光源规格型号: XL

功率(W): 70.1000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 18

镇流器型号:

发光面长度(mm): 270

发光面宽度(mm): 160

测试模式: C

发光面高度(mm): 0

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## 光度结果

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灯具光通量(lm): 4096.72

灯具效能(lm/w): 58.44

中心光强(cd): 22714.330

最大光强(cd): 23312.880

最大光强角度:  $C=30.0$   $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=27.9

[C90/270]Total=12.9

光束扩散角(10%Imax): [C0/180]Total=48.4

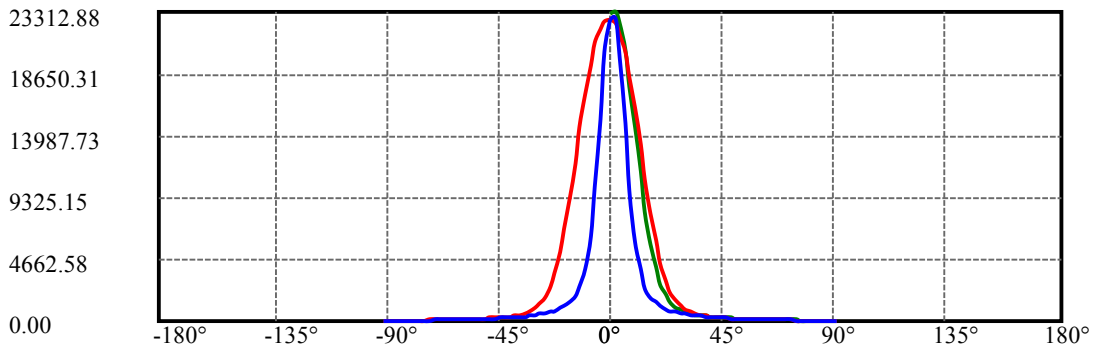
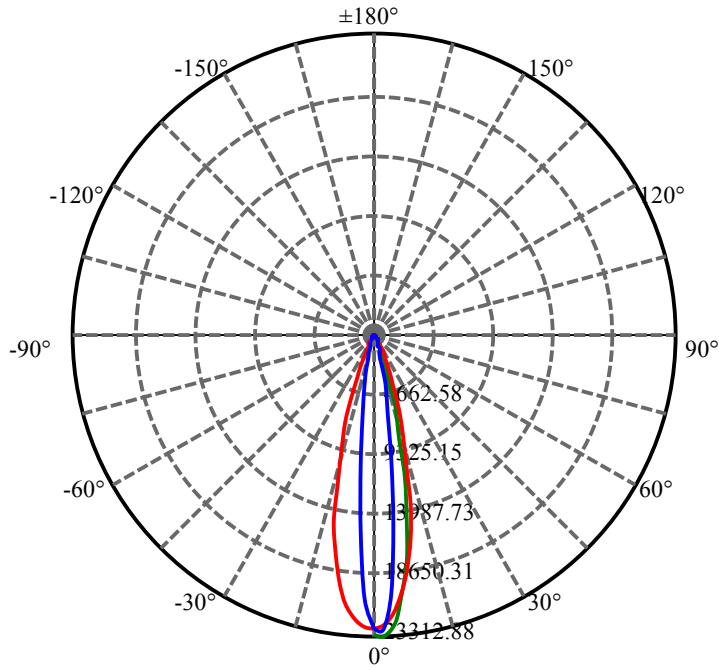
[C90/270]Total=27.6

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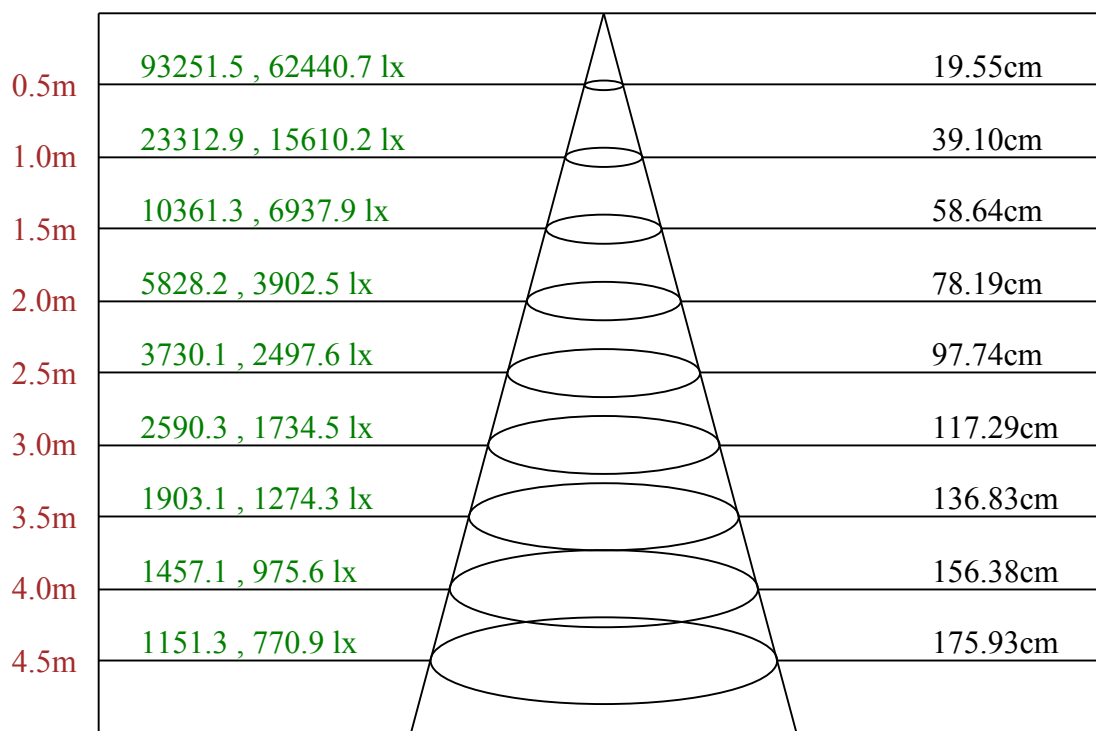
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/5  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

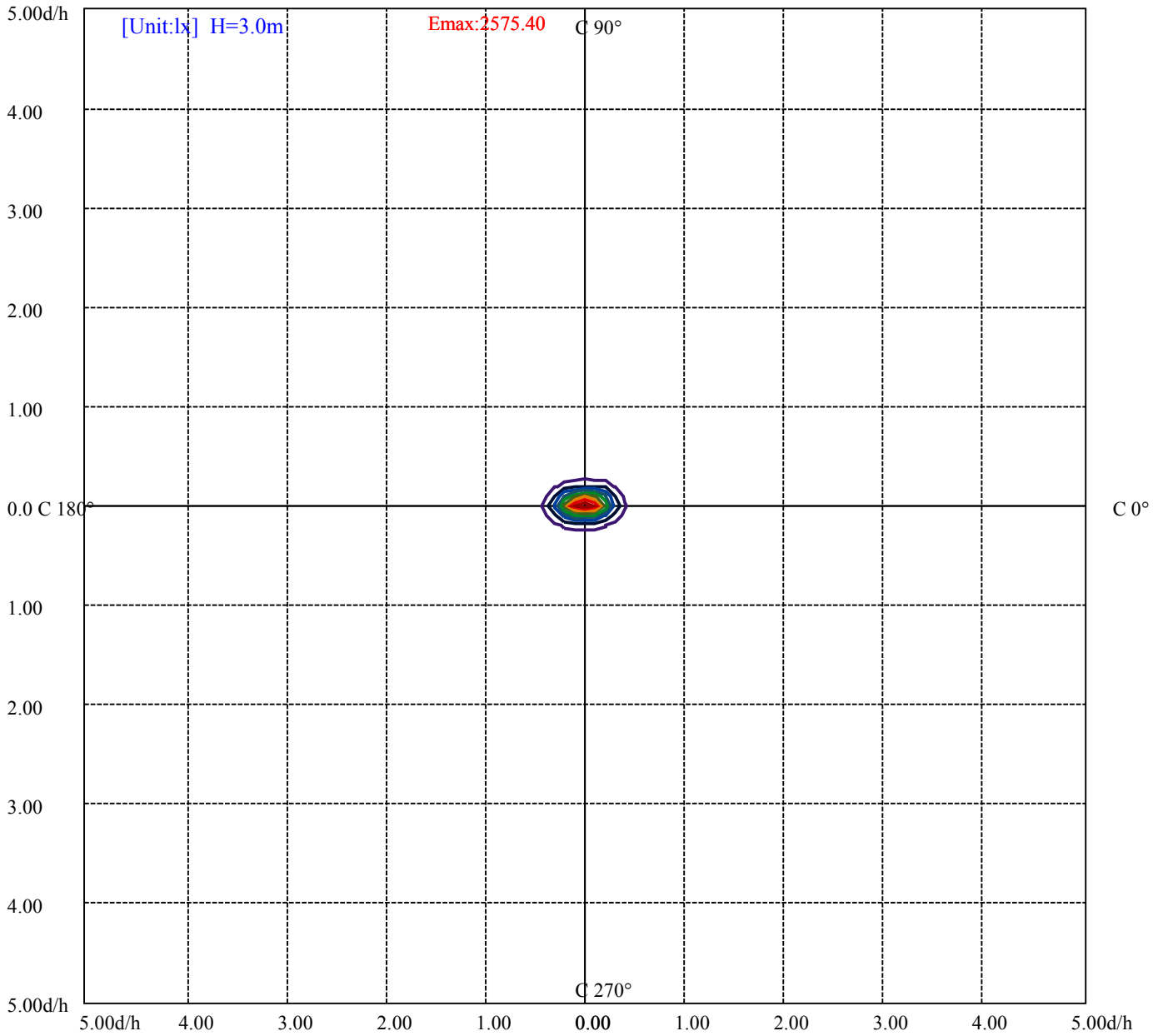


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角22.11

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平面等照度曲线



- (10%Emax) 257.54
- (20%Emax) 515.0789
- (30%Emax) 772.6189
- (40%Emax) 1030.159
- (50%Emax) 1287.7
- (60%Emax) 1545.233
- (70%Emax) 1802.778
- (80%Emax) 2060.322
- (90%Emax) 2317.855

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# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

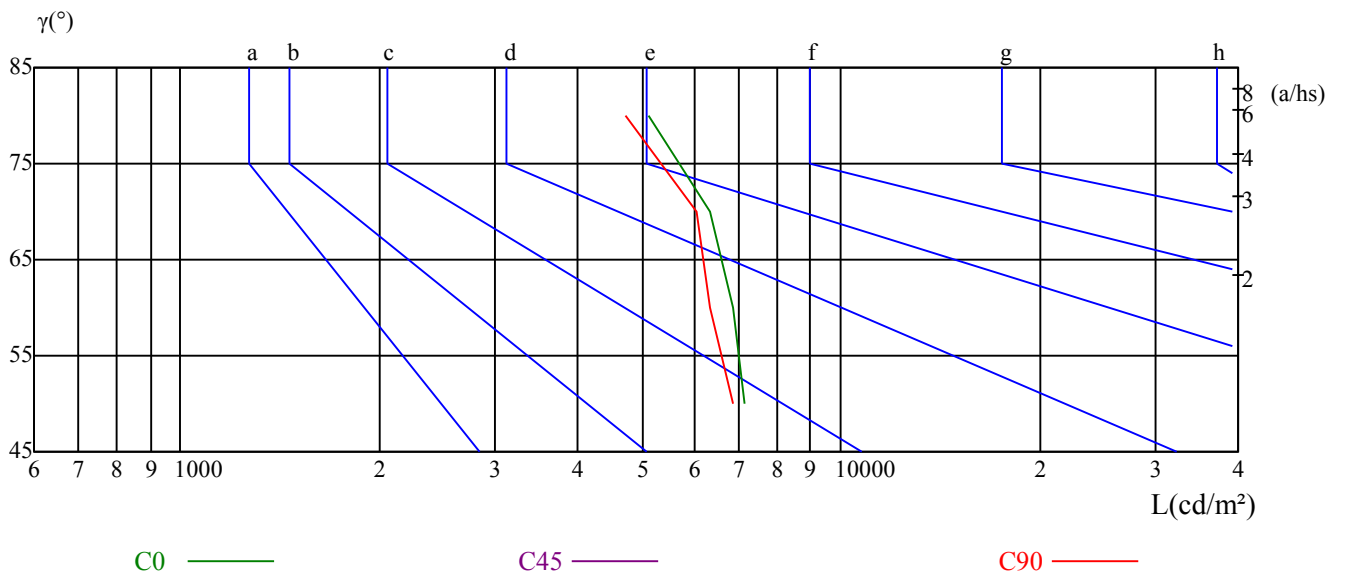
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	7141	0	6882	0	6352	0	5115	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6851	0	6342	0	6066	0	4726	0

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	9.11	10.17	9.48	10.48	10.80	9.65	10.71	10.02	11.02	11.33
	3H	11.04	11.97	11.42	12.31	12.67	11.65	12.58	12.03	12.92	13.29
	4H	11.67	12.54	12.08	12.89	13.28	12.32	13.19	12.73	13.55	13.93
	6H	12.04	12.84	12.46	13.21	13.61	12.78	13.58	13.20	13.95	14.35
	8H	12.11	12.86	12.55	13.26	13.66	12.90	13.65	13.34	14.05	14.45
	12H	12.15	12.86	12.58	13.25	13.68	13.02	13.74	13.46	14.12	14.55
4H	2H	9.86	10.73	10.26	11.08	11.47	10.26	11.13	10.67	11.48	11.87
	3H	12.00	12.71	12.41	13.12	13.52	12.50	13.22	12.92	13.63	14.03
	4H	12.73	13.37	13.17	13.79	14.24	13.30	13.94	13.74	14.36	14.81
	6H	13.11	13.66	13.58	14.11	14.58	13.77	14.31	14.24	14.76	15.24
	8H	13.20	13.71	13.68	14.16	14.64	13.92	14.43	14.40	14.88	15.36
	12H	13.23	13.67	13.72	14.16	14.64	14.04	14.48	14.53	14.97	15.45
8H	4H	13.05	13.56	13.52	14.01	14.48	13.55	14.06	14.02	14.51	14.98
	6H	13.55	13.95	14.06	14.46	14.94	14.16	14.56	14.67	15.06	15.55
	8H	13.69	14.05	14.22	14.57	15.07	14.38	14.74	14.91	15.26	15.76
	12H	14.25	14.56	14.77	15.06	15.63	15.02	15.33	15.54	15.83	16.41
12H	4H	13.06	13.50	13.55	13.98	14.46	13.53	13.97	14.02	14.46	14.94
	6H	13.92	13.95	14.13	14.42	14.97	14.51	14.53	14.71	15.00	15.55
	8H	13.77	14.08	14.29	14.58	15.16	14.44	14.75	14.96	15.25	15.83
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.3/-0.6					
S = 1.5H	0.7/-0.7					0.8/-0.7					
S = 2.0H	0.9/-0.7					1.3/-0.8					
标准表格	BK4					BK4					
更正系数	0.6					1.1					

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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	22714.33	22422.73	21593.96	20205.01	18432.37	16015.14	13321.65	10720.24	8042.10
30.0	23236.15	23312.88	22392.03	20427.55	17726.39	14641.53	11288.10	8256.97	5762.99
60.0	23121.04	22829.44	20389.18	15268.48	11672.56	7572.47	4935.00	3151.61	2208.51
90.0	22775.72	22691.31	19875.04	14848.73	9891.48	5977.86	3959.66	2516.23	1802.57
120.0	22844.78	22484.12	19951.78	15200.18	10843.02	7085.18	4492.99	3000.44	2068.08
150.0	22706.66	22729.68	21747.44	19675.52	16859.25	13528.84	10359.58	7435.87	5202.81
180.0	22714.33	22599.22	22016.02	20941.69	19314.85	17120.16	14666.86	11902.77	9260.69
210.0	23236.15	22292.27	20205.01	17572.91	14278.57	11175.30	8256.97	5826.69	4123.11
240.0	23121.04	21379.10	17572.91	12853.55	8755.76	5563.48	3921.29	2477.09	1805.64
270.0	22775.72	20327.79	15164.88	10163.90	6333.15	3904.41	2630.56	1832.49	1429.08
300.0	22844.78	21125.86	17281.31	12753.79	8418.11	5287.22	3967.33	2371.19	1693.60
330.0	22706.66	21670.70	19683.19	16820.88	13622.46	10134.73	7398.27	5081.56	3462.40
360.0	22714.33	22422.73	21593.96	20205.01	18432.37	16015.14	13321.65	10720.24	8042.10
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	6069.94	4328.00	3042.65	2129.47	1546.26	1128.04	864.07	682.20	550.21
30.0	4013.38	2760.25	1968.32	1430.39	1085.07	863.30	691.41	577.83	485.75
60.0	1524.93	1279.29	1029.67	855.01	727.09	619.27	537.01	461.96	404.71
90.0	1397.39	1118.83	918.55	771.98	664.55	577.83	508.77	452.75	403.64
120.0	1517.41	1207.24	970.73	802.75	675.06	579.29	500.02	438.17	384.15
150.0	3882.92	2401.89	1686.69	1255.43	963.82	766.61	633.85	530.26	453.52
180.0	6991.56	5150.63	3608.97	2553.83	1794.13	1302.93	976.49	765.38	610.52
210.0	2880.73	2028.17	1517.79	1157.28	907.12	743.43	616.51	516.52	440.93
240.0	1385.88	1119.60	917.78	773.52	663.78	568.63	492.66	428.20	388.29
270.0	1143.08	945.10	791.16	675.52	587.58	514.45	453.67	400.80	360.21
300.0	1312.98	1047.47	854.86	719.03	615.44	526.42	456.59	402.87	354.22
330.0	2434.88	1619.16	1292.41	997.05	791.16	648.74	547.60	462.57	397.73
360.0	6069.94	4328.00	3042.65	2129.47	1546.26	1128.04	864.07	682.20	550.21
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	461.96	390.59	332.35	288.76	257.22	232.67	214.33	198.29	185.24
30.0	417.45	362.66	318.92	286.00	258.38	236.43	218.32	203.82	190.85
60.0	355.60	317.08	284.16	257.84	237.20	217.70	203.28	190.16	178.88
90.0	362.97	324.68	292.22	262.98	240.73	221.08	204.05	190.23	177.72
120.0	339.87	303.04	273.72	248.78	228.29	211.72	196.99	184.32	172.97
150.0	389.83	340.71	300.96	270.81	245.41	225.07	209.26	195.07	183.56
180.0	500.33	422.36	355.83	303.88	269.20	241.26	219.55	202.36	187.47
210.0	383.99	335.27	298.20	270.04	245.25	226.99	210.95	196.76	184.94
240.0	334.65	299.97	269.50	246.02	226.07	209.80	195.68	183.02	172.35
270.0	323.07	291.30	264.44	241.34	221.31	204.89	190.08	176.65	166.14
300.0	316.62	281.70	255.54	233.90	216.25	199.82	186.32	175.42	165.06
330.0	348.62	305.95	273.49	247.71	227.30	210.26	196.83	183.94	173.27
360.0	461.96	390.59	332.35	288.76	257.22	232.67	214.33	198.29	185.24
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	174.73	165.29	156.77	148.64	140.66	131.30	119.71	106.28	93.85
30.0	180.18	170.05	161.23	153.24	145.95	138.59	130.53	121.25	109.81
60.0	168.36	159.08	151.02	142.96	135.21	127.54	120.32	112.50	103.06
90.0	166.67	156.39	146.57	136.98	128.69	120.63	111.88	101.83	89.63
120.0	163.68	154.63	146.11	138.66	131.45	124.24	116.72	109.58	100.53
150.0	172.20	163.14	154.78	147.72	140.66	133.68	126.62	118.25	108.35
180.0	175.27	165.37	156.62	148.26	140.12	132.30	121.86	108.89	96.08
210.0	175.04	165.29	157.24	150.02	142.35	135.21	126.16	115.57	102.67
240.0	162.53	153.71	145.65	138.20	130.45	122.70	115.41	106.90	96.54
270.0	156.08	146.57	137.67	129.38	121.02	111.96	102.14	90.01	78.96
300.0	156.01	147.18	139.59	132.14	124.85	117.72	110.27	101.75	91.47
330.0	163.76	155.55	148.18	141.20	134.29	127.00	119.40	109.12	96.54
360.0	174.73	165.29	156.77	148.64	140.66	131.30	119.71	106.28	93.85

# ROLED 投光灯

## 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	82.11	70.52	59.09	48.19	38.37	27.40	17.04	6.98	0.54
30.0	96.23	82.95	70.60	58.24	45.81	33.15	19.72	9.82	1.53
60.0	92.32	77.35	64.15	51.34	39.60	26.93	15.81	5.99	0.77
90.0	78.58	67.84	57.40	46.12	35.45	26.70	14.27	4.14	0.84
120.0	90.17	75.97	63.39	51.26	39.67	27.47	16.50	6.29	0.77
150.0	95.00	82.65	70.68	58.63	47.04	34.07	20.72	10.59	1.30
180.0	84.10	72.29	60.85	50.03	39.75	30.31	19.11	10.51	1.61
210.0	89.02	76.74	64.46	52.34	39.29	25.86	14.27	4.83	0.46
240.0	83.26	69.37	56.63	44.97	32.31	21.79	9.06	0.77	0.54
270.0	68.22	56.94	45.89	35.53	26.40	14.81	5.14	0.84	0.38
300.0	78.81	65.38	53.79	42.05	29.70	19.34	7.60	0.69	0.38
330.0	83.41	70.91	59.55	46.73	34.76	22.10	11.05	2.84	0.46
360.0	82.11	70.52	59.09	48.19	38.37	27.40	17.04	6.98	0.54
C/γ(°)	90.0								
0.0	0.31								
30.0	0.31								
60.0	0.23								
90.0	0.31								
120.0	0.38								
150.0	0.31								
180.0	0.31								
210.0	0.31								
240.0	0.31								
270.0	0.23								
300.0	0.15								
330.0	0.31								
360.0	0.31								