

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3313A-27-UN (45-OL-27WN-AA, P1)

报告编号:

电压(V): 220.2000

测试编号: 20210327001

电流(A): 0.1530

光源规格型号: OL

功率(W): 32.7000

每个光源光通量(lm)

功率因数: 0.9660

光源数量: 27

镇流器型号:

发光面长度(mm): 900

发光面宽度(mm): 40

测试模式: C

发光面高度(mm): 0

## 光度结果

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灯具光通量(lm): 2744.31

灯具效能(lm/w): 83.92

中心光强(cd): 3677.266

最大光强(cd): 3690.311

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=42.8

[C90/270]Total=43.0

光束扩散角(10%Imax): [C0/180]Total=87.0

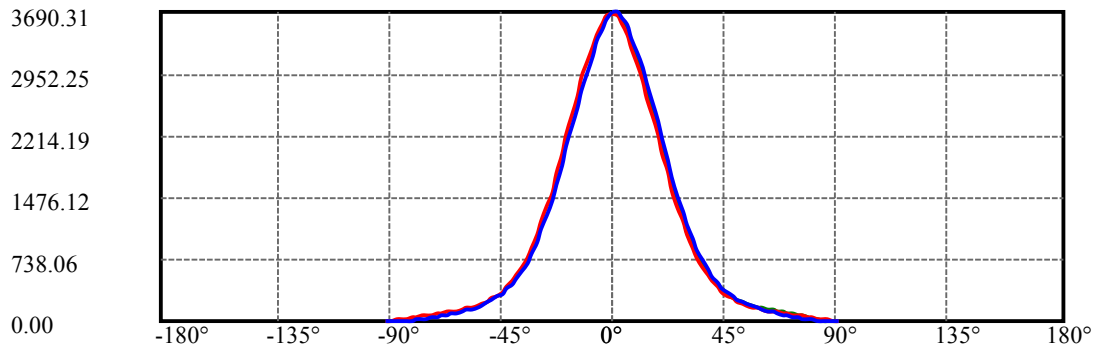
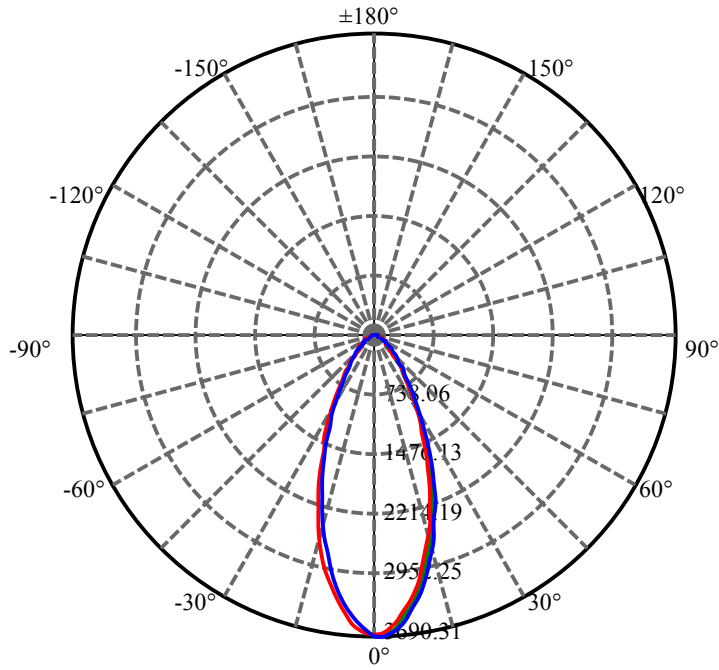
[C90/270]Total=87.7

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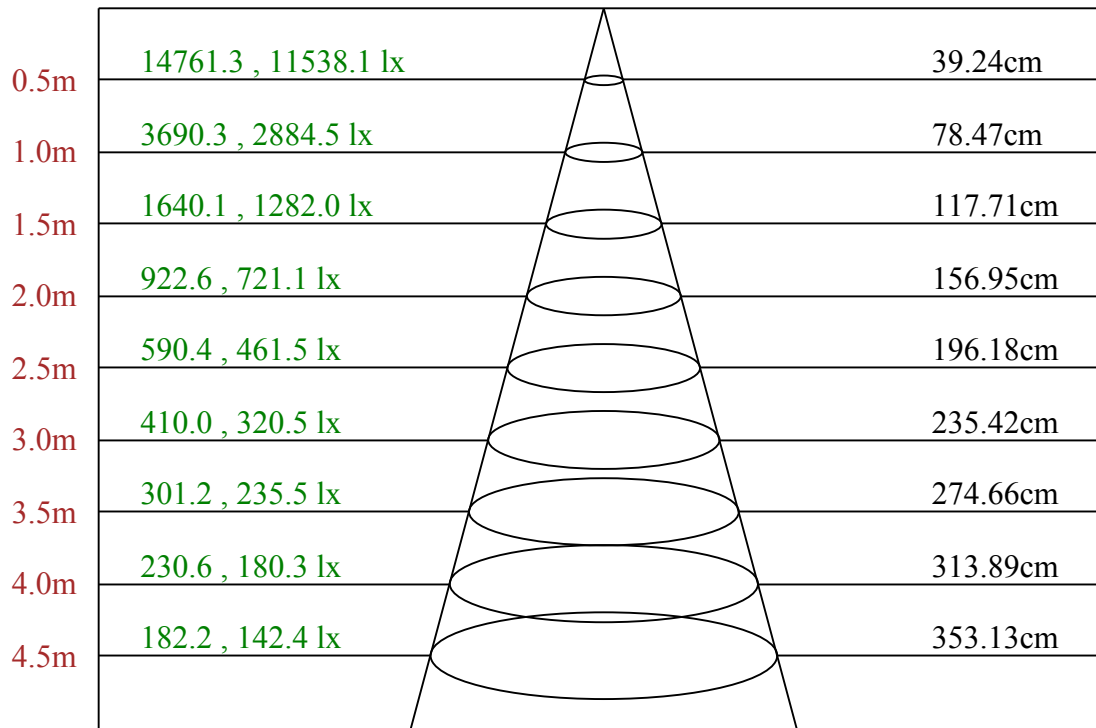
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/27  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

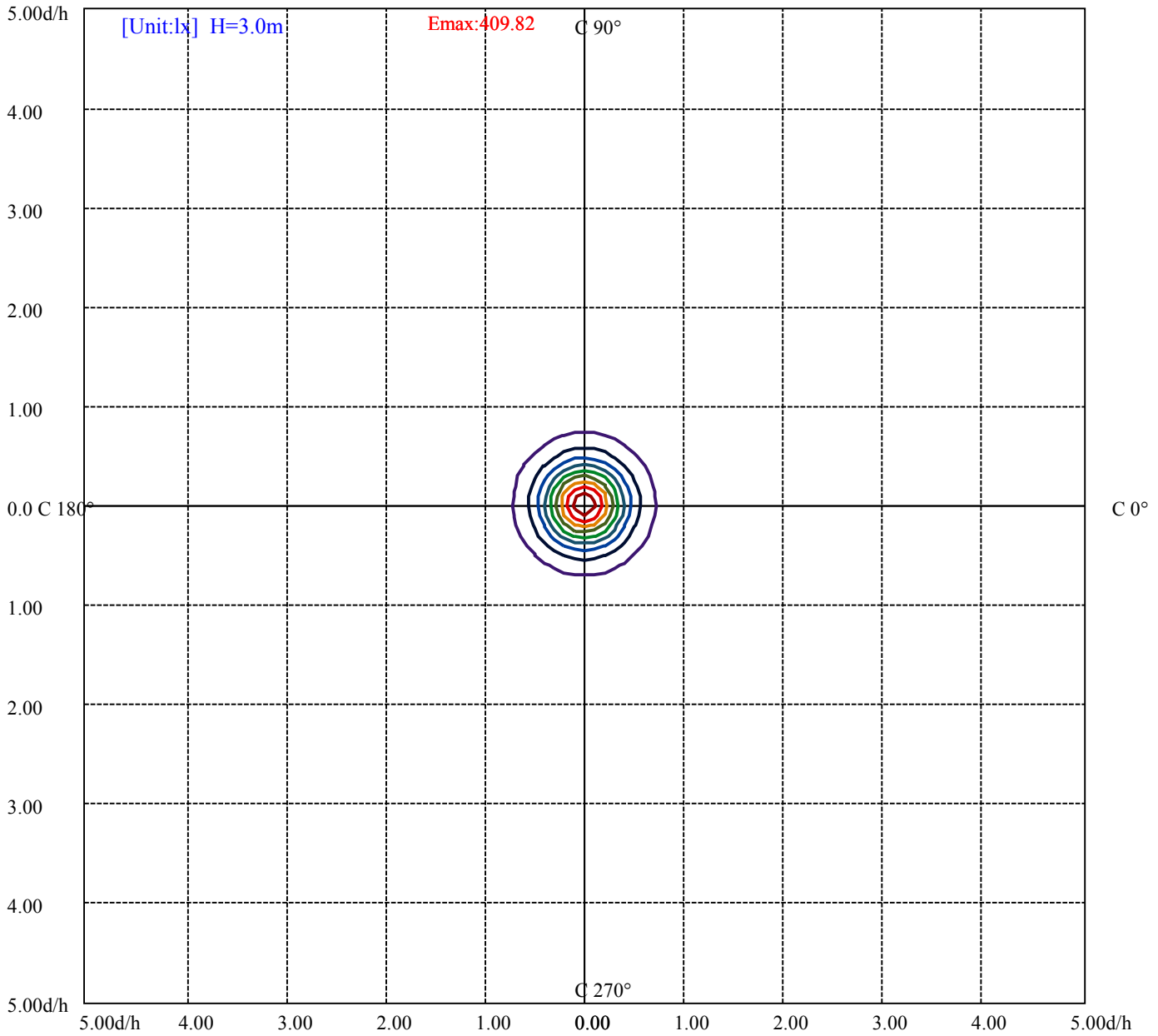











C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角42.84

ROLED 投光灯  
平面等照度曲线



(10%Emax) 40.98211	
(20%Emax) 81.96422	
(30%Emax) 122.9467	
(40%Emax) 163.9289	
(50%Emax) 204.9111	
(60%Emax) 245.8922	
(70%Emax) 286.8745	
(80%Emax) 327.8567	
(90%Emax) 368.8389	

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测试人员: anpeilou  
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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

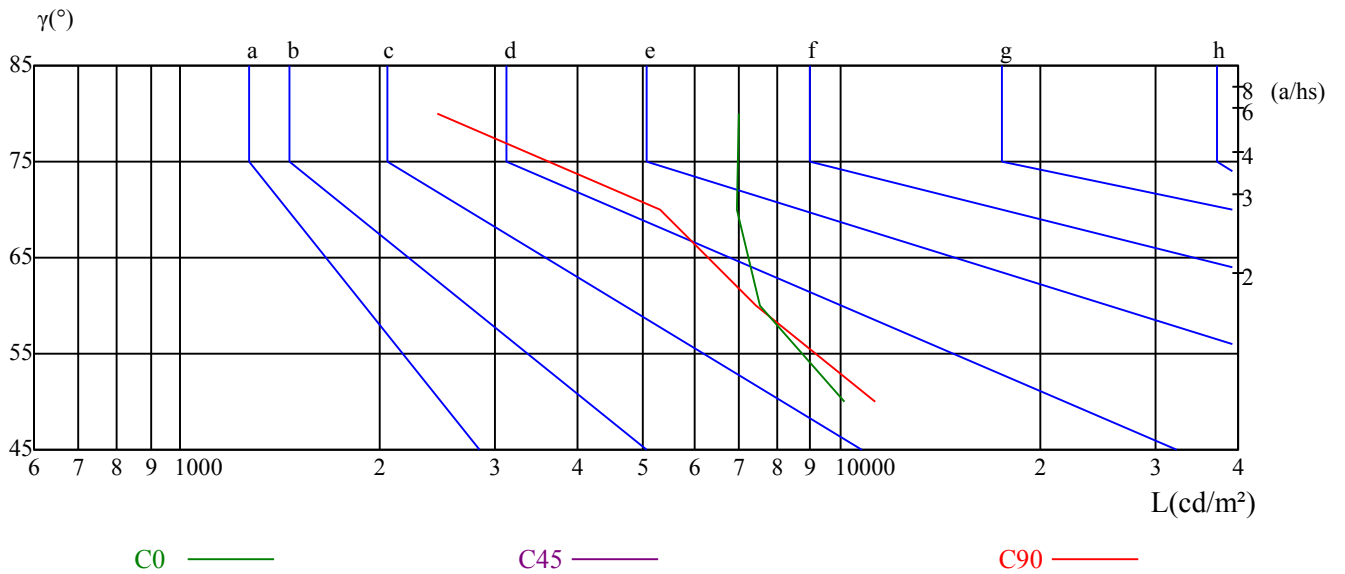
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	10104	0	7567	0	6974	0	7009	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11272	0	7469	0	5316	0	2443	0

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	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		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	12.65	13.85	13.02	14.16	14.47	13.01	14.20	13.38	14.52	14.83
	3H	13.68	14.74	14.06	15.07	15.43	14.62	15.68	15.00	16.01	16.38
	4H	13.84	14.82	14.24	15.17	15.56	15.28	16.26	15.68	16.61	17.00
	6H	13.87	14.77	14.29	15.15	15.54	15.79	16.69	16.20	17.06	17.46
	8H	13.87	14.72	14.30	15.11	15.52	15.97	16.82	16.40	17.21	17.62
	12H	13.90	14.71	14.33	15.09	15.52	16.20	17.01	16.63	17.40	17.83
4H	2H	13.17	14.15	13.57	14.50	14.88	13.46	14.44	13.86	14.79	15.18
	3H	14.35	15.16	14.77	15.57	15.97	15.33	16.14	15.75	16.55	16.95
	4H	14.56	15.28	14.99	15.70	16.14	16.11	16.83	16.54	17.25	17.69
	6H	14.61	15.23	15.08	15.68	16.15	16.61	17.23	17.07	17.67	18.14
	8H	14.61	15.19	15.08	15.64	16.11	16.82	17.39	17.29	17.84	18.31
	12H	14.65	15.15	15.13	15.64	16.11	17.05	17.55	17.54	18.04	18.51
8H	4H	14.77	15.35	15.24	15.80	16.27	16.18	16.76	16.65	17.20	17.68
	6H	14.85	15.32	15.36	15.82	16.30	16.75	17.21	17.25	17.71	18.20
	8H	14.87	15.29	15.40	15.81	16.30	17.00	17.41	17.52	17.93	18.43
	12H	15.60	15.96	16.12	16.46	17.03	17.74	18.11	18.26	18.60	19.18
12H	4H	14.77	15.28	15.26	15.76	16.24	16.14	16.64	16.62	17.13	17.60
	6H	15.33	15.28	15.39	15.75	16.29	17.18	17.13	17.24	17.60	18.14
	8H	14.91	15.27	15.43	15.77	16.34	16.99	17.35	17.50	17.84	18.42
对应照射距离，改变观察者位置S											
S = 1.0H	1.0/-1.1					0.7/-0.9					
S = 1.5H	2.1/-1.9					1.3/-1.2					
S = 2.0H	4.1/-2.3					2.6/-1.4					
标准表格	BK2					BK3					
更正系数	1.6					2.9					

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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	3677.27	3639.66	3546.04	3411.75	3264.42	3080.25	2874.59	2662.79	2448.70
30.0	3690.31	3671.89	3598.99	3481.58	3331.95	3164.66	2966.68	2749.51	2519.30
60.0	3686.47	3678.03	3608.97	3497.70	3358.80	3185.38	3001.21	2780.97	2551.53
90.0	3679.57	3690.31	3630.46	3520.72	3378.76	3219.91	3033.44	2836.22	2617.52
120.0	3681.87	3678.80	3612.04	3503.84	3363.41	3193.82	3012.72	2797.09	2569.94
150.0	3675.73	3674.20	3602.06	3494.63	3354.20	3182.31	2993.53	2781.74	2567.64
180.0	3677.27	3648.11	3556.02	3423.26	3270.56	3090.22	2902.22	2684.28	2460.21
210.0	3690.31	3644.27	3539.14	3413.29	3248.30	3061.06	2846.20	2619.05	2388.07
240.0	3686.47	3627.39	3527.63	3384.90	3226.82	3032.67	2814.74	2592.20	2368.89
270.0	3679.57	3603.60	3480.82	3336.55	3163.12	2959.77	2748.74	2539.25	2303.66
300.0	3681.87	3618.95	3510.75	3367.25	3201.49	3003.51	2796.32	2575.31	2354.31
330.0	3675.73	3610.50	3503.84	3373.38	3207.63	3011.95	2800.92	2587.59	2349.71
360.0	3677.27	3639.66	3546.04	3411.75	3264.42	3080.25	2874.59	2662.79	2448.70
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2214.65	2002.08	1776.48	1557.01	1361.33	1187.13	1021.38	879.41	758.17
30.0	2295.99	2059.64	1826.35	1619.93	1416.58	1238.54	1063.58	921.62	791.16
60.0	2317.48	2091.10	1857.82	1639.88	1450.88	1260.65	1091.06	938.35	811.50
90.0	2391.91	2170.91	1934.55	1711.25	1499.45	1312.98	1141.09	993.75	851.79
120.0	2349.71	2112.59	1882.37	1660.60	1469.68	1277.83	1114.23	958.84	822.93
150.0	2337.43	2112.59	1877.00	1656.76	1447.27	1265.40	1094.28	947.71	812.65
180.0	2229.23	1992.88	1774.94	1524.47	1373.68	1189.36	1034.50	880.26	759.32
210.0	2149.42	1914.60	1683.62	1494.23	1302.16	1131.50	976.79	840.35	717.80
240.0	2126.40	1898.49	1685.16	1471.06	1285.35	1110.39	960.75	827.23	707.52
270.0	2084.19	1857.05	1632.21	1436.91	1259.95	1088.83	940.42	812.42	692.79
300.0	2115.66	1890.81	1678.25	1464.15	1277.68	1103.49	955.38	823.39	711.36
330.0	2118.73	1901.56	1675.18	1487.40	1297.25	1119.52	966.20	836.98	713.97
360.0	2214.65	2002.08	1776.48	1557.01	1361.33	1187.13	1021.38	879.41	758.17
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	646.90	554.05	472.70	408.24	352.99	304.19	266.20	233.82	207.42
30.0	683.73	584.74	499.56	432.03	388.29	323.53	282.39	250.01	221.69
60.0	695.78	599.47	512.53	439.55	380.85	329.51	287.38	252.01	223.46
90.0	732.08	626.95	536.40	464.26	399.80	347.62	300.66	260.83	227.37
120.0	705.53	607.22	518.67	444.54	385.07	332.66	291.68	253.69	224.61
150.0	696.78	600.86	508.00	439.71	388.29	330.20	287.61	252.70	225.15
180.0	649.74	554.35	477.38	409.47	354.68	304.11	266.28	233.21	207.42
210.0	620.96	532.41	454.75	395.05	342.25	297.20	263.29	233.51	208.27
240.0	609.30	522.58	451.22	389.06	336.88	292.83	258.38	228.60	203.28
270.0	599.17	514.45	440.01	380.31	329.13	286.85	250.32	221.00	193.30
300.0	606.23	519.51	444.31	389.83	334.88	291.30	256.69	226.99	200.21
330.0	612.37	528.42	450.53	390.82	335.96	293.52	258.22	230.14	205.12
360.0	646.90	554.05	472.70	408.24	352.99	304.19	266.20	233.82	207.42
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	183.48	165.83	149.33	136.21	124.47	113.57	104.29	95.08	85.87
30.0	199.52	180.10	163.68	149.79	138.51	127.38	116.26	105.36	94.31
60.0	197.68	175.81	157.93	141.73	126.92	112.42	99.45	86.18	73.59
90.0	200.36	174.81	152.86	134.44	118.64	105.36	92.09	78.89	65.46
120.0	198.37	176.27	158.16	141.66	127.31	111.88	99.07	86.02	73.36
150.0	201.13	181.48	164.68	151.25	139.20	128.23	116.79	105.21	94.62
180.0	185.01	165.83	150.33	136.52	124.55	113.57	104.21	94.77	86.18
210.0	188.16	171.66	156.39	144.34	132.91	121.25	109.66	98.91	87.48
240.0	179.64	162.07	144.96	129.99	116.10	101.83	89.25	75.82	62.77
270.0	169.67	148.49	130.45	115.26	101.68	88.94	75.97	63.46	48.42
300.0	177.95	160.15	143.19	128.23	114.57	100.53	87.48	74.67	61.77
330.0	185.09	168.82	154.01	141.58	130.15	119.10	107.59	96.38	85.72
360.0	183.48	165.83	149.33	136.21	124.47	113.57	104.29	95.08	85.87

# 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	77.27	69.37	60.78	52.18	43.82	34.38	25.32	15.50	5.37
30.0	83.11	72.13	59.55	45.89	31.08	16.11	6.68	3.99	3.07
60.0	60.01	45.97	31.16	18.11	13.12	10.05	8.06	6.83	3.84
90.0	52.18	37.60	24.25	17.96	15.27	11.43	10.67	8.36	4.68
120.0	59.93	46.04	32.00	18.19	13.20	10.05	7.98	6.83	3.99
150.0	82.88	71.98	59.39	46.50	31.69	16.96	6.60	4.07	2.99
180.0	77.43	68.83	60.16	51.41	43.13	33.92	24.71	15.19	5.29
210.0	76.20	64.38	50.65	36.53	21.41	8.82	5.37	3.61	1.84
240.0	48.88	35.84	21.03	13.89	11.20	8.21	7.29	4.76	1.53
270.0	34.92	22.41	17.34	14.58	10.97	10.51	8.06	4.53	0.84
300.0	48.04	34.84	20.34	13.81	10.82	8.21	7.21	4.60	1.30
330.0	74.59	62.39	49.11	35.61	20.64	8.21	5.14	3.68	1.69
360.0	77.27	69.37	60.78	52.18	43.82	34.38	25.32	15.50	5.37
C/γ(°)	90.0								
0.0	0.23								
30.0	0.69								
60.0	0.92								
90.0	1.23								
120.0	1.00								
150.0	0.84								
180.0	0.31								
210.0	0.23								
240.0	0.15								
270.0	0.15								
300.0	0.15								
330.0	0.23								
360.0	0.23								