

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

---

## ROLED

---

灯具名称: 投光灯

灯具描述: F3083A-24-UN-RC-Y(55-XL-24RGBWN-AJ, L610mm, C, CT)

报告编号:

电压(V): 220.3000

测试编号: 20210410003

电流(A): 0.4660

光源规格型号: XL

功率(W): 100.9000

每个光源光通量(lm)

功率因数: 0.9820

光源数量: 24

镇流器型号:

发光面长度(mm): 590

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): 4633.86

灯具效能(lm/w): 45.93

中心光强(cd): 4291.167

最大光强(cd): 4413.179

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=54.8

[C90/270]Total=54.9

光束扩散角(10%Imax): [C0/180]Total=104.5

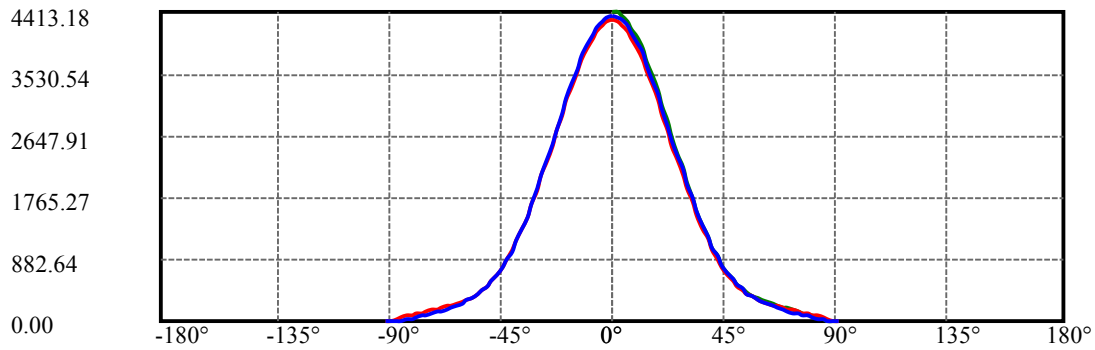
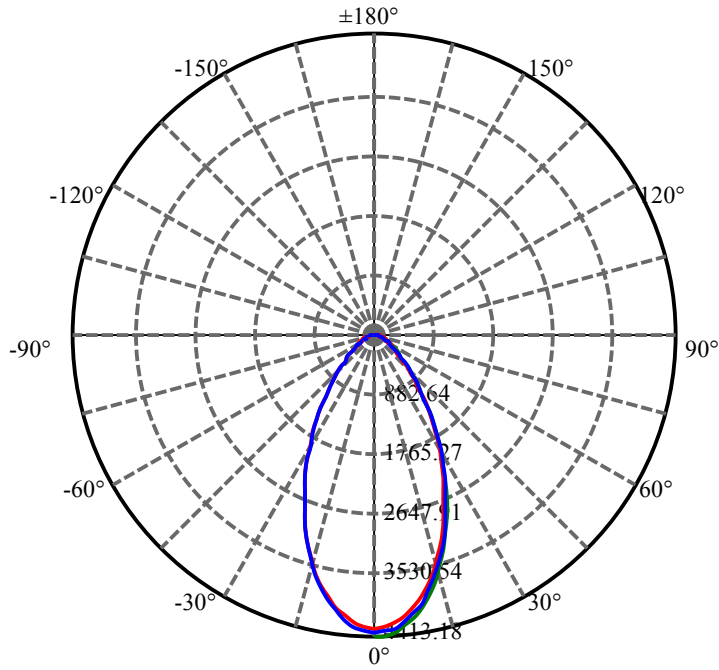
[C90/270]Total=104.4

---

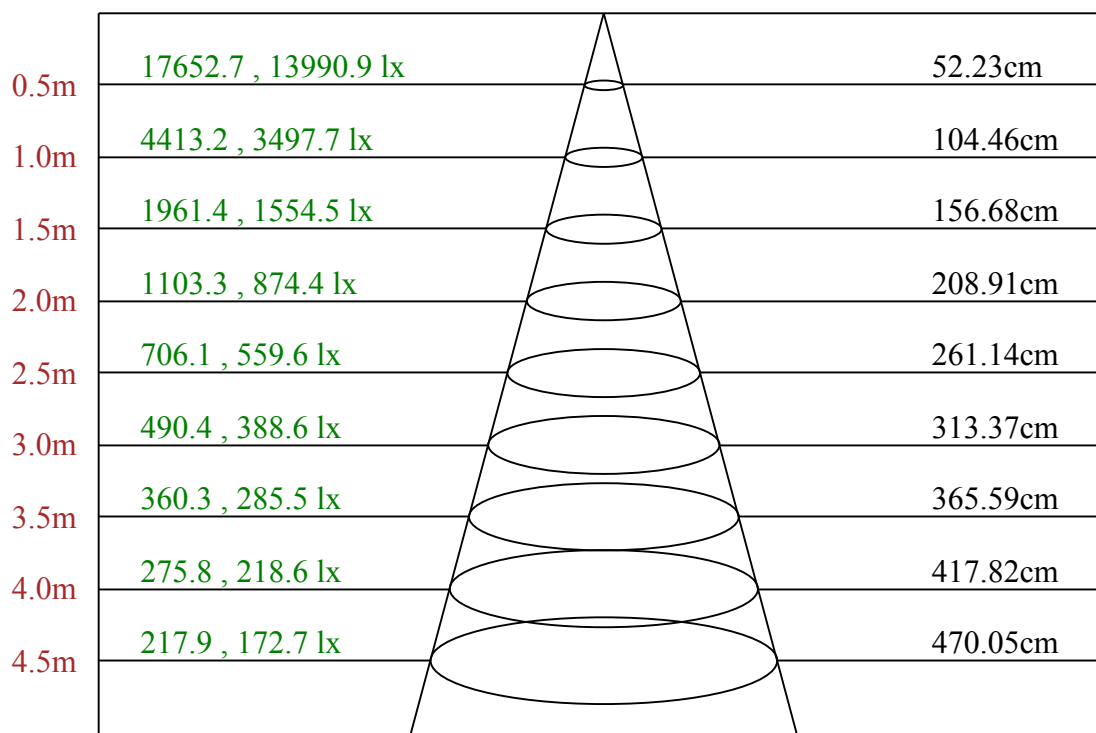
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/10  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

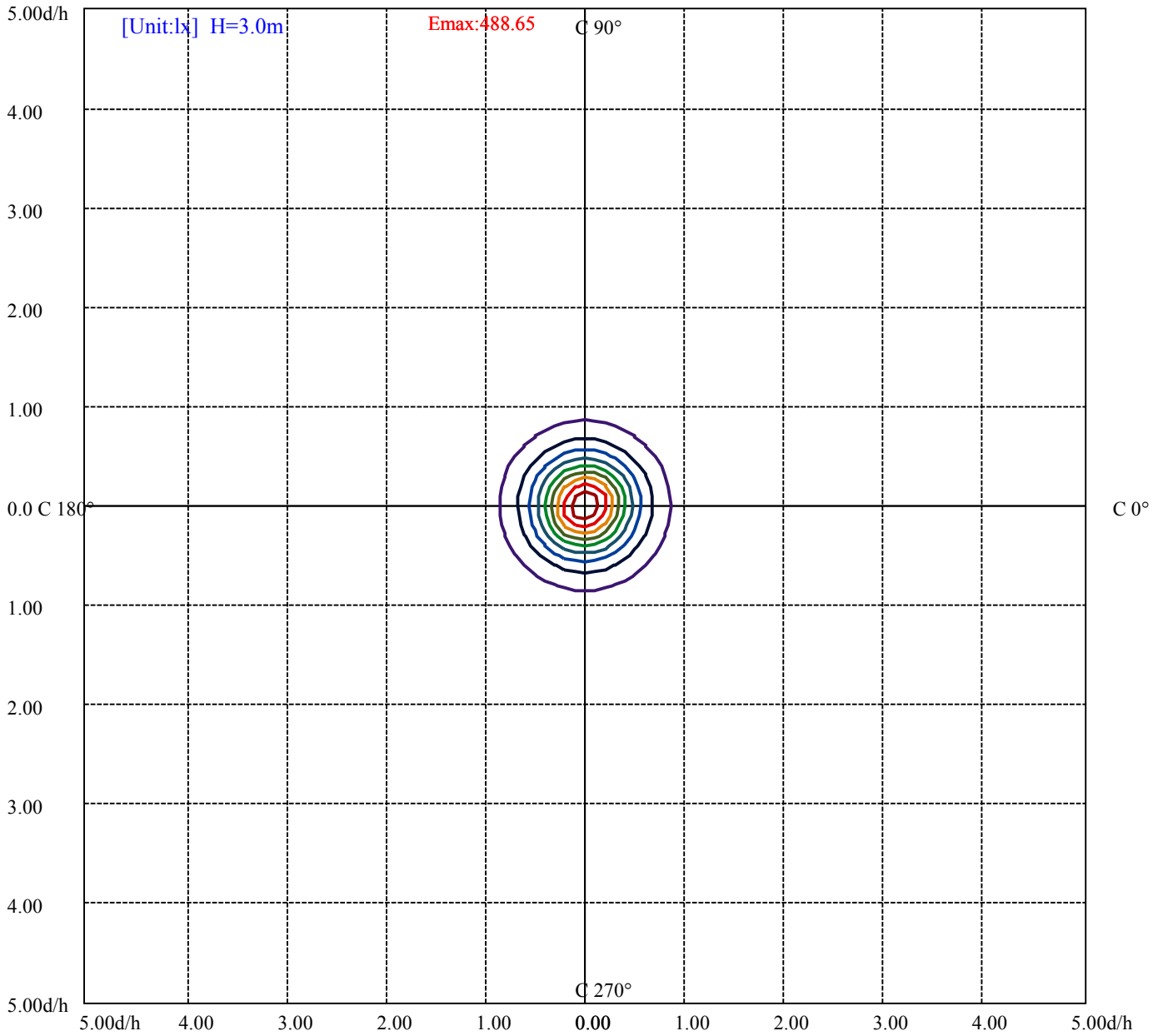


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角55.15

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 48.86478
- (20%Emax) 97.72955
- (30%Emax) 146.5944
- (40%Emax) 195.4589
- (50%Emax) 244.3233
- (60%Emax) 293.1889
- (70%Emax) 342.0533
- (80%Emax) 390.9178
- (90%Emax) 439.7822

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/10  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

附页 第 5页 共10页

亮度值表

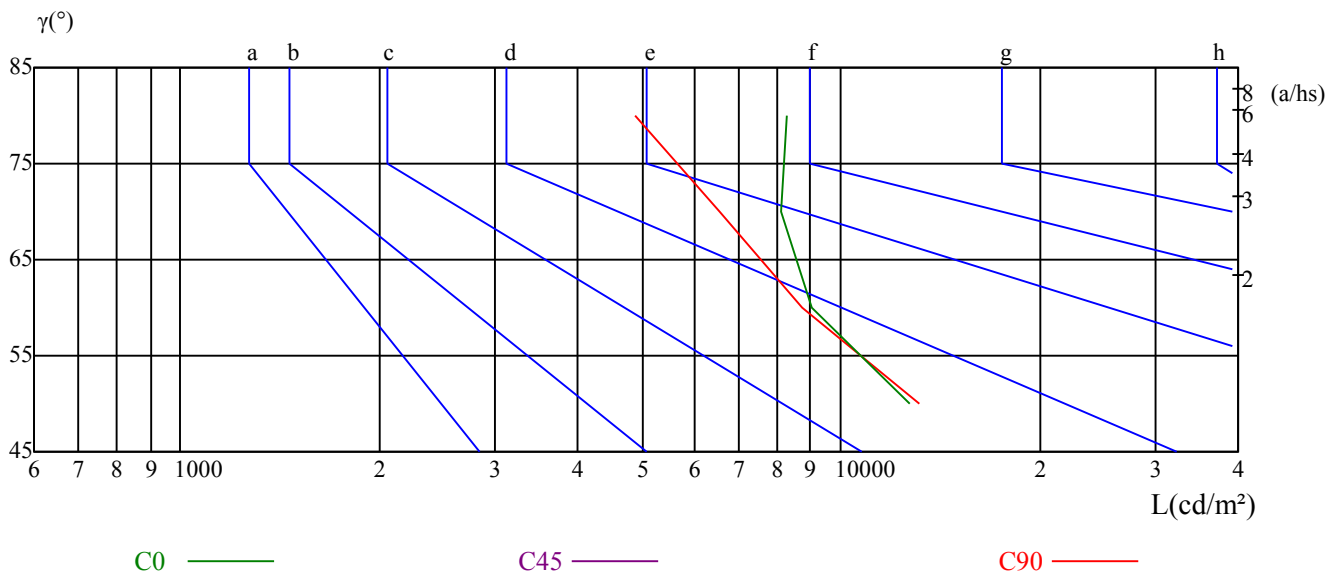
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	12699	0	9038	0	8124	0	8260	0
C45	0	0	0	0	0	0	0	0	0
C90	0	13143	0	8772	0	6541	0	4894	0

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



测试设备: GMS1800  
环境温度(°C): 25.0

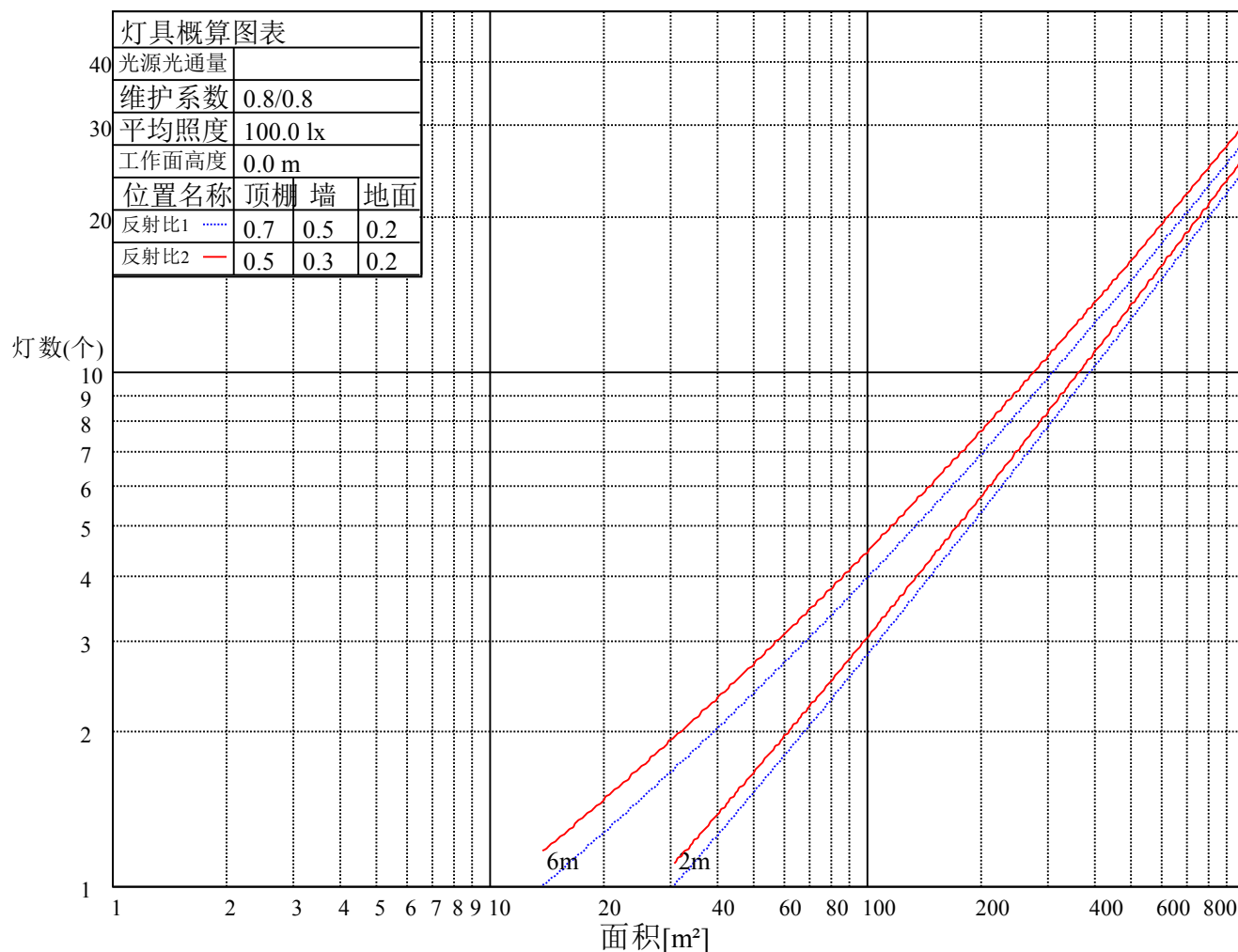
测试日期: 2021/4/10  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

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	12.14	13.41	12.51	13.72	14.04	12.29	13.56	12.66	13.87	14.19
	3H	13.30	14.42	13.68	14.75	15.12	13.86	14.99	14.24	15.32	15.68
	4H	13.67	14.71	14.07	15.07	15.45	14.51	15.56	14.92	15.91	16.30
	6H	13.89	14.85	14.30	15.22	15.62	15.05	16.01	15.46	16.38	16.78
	8H	13.92	14.84	14.35	15.23	15.63	15.25	16.16	15.68	16.55	16.96
	12H	13.94	14.82	14.38	15.20	15.63	15.52	16.40	15.96	16.78	17.21
4H	2H	12.64	13.69	13.04	14.04	14.42	12.76	13.81	13.16	14.16	14.54
	3H	13.98	14.84	14.39	15.25	15.65	14.58	15.44	15.00	15.85	16.25
	4H	14.43	15.21	14.87	15.63	16.07	15.36	16.13	15.80	16.55	17.00
	6H	14.69	15.36	15.16	15.80	16.27	15.90	16.57	16.36	17.01	17.48
	8H	14.75	15.37	15.22	15.82	16.29	16.15	16.77	16.62	17.21	17.69
	12H	14.77	15.32	15.26	15.80	16.28	16.43	16.98	16.92	17.46	17.93
8H	4H	14.69	15.31	15.16	15.75	16.23	15.51	16.13	15.98	16.58	17.05
	6H	15.04	15.55	15.54	16.04	16.53	16.15	16.66	16.66	17.16	17.64
	8H	15.14	15.59	15.66	16.11	16.60	16.46	16.91	16.98	17.43	17.92
	12H	15.75	16.15	16.27	16.64	17.21	17.23	17.62	17.74	18.12	18.69
12H	4H	14.70	15.24	15.18	15.73	16.20	15.50	16.04	15.98	16.53	17.00
	6H	15.63	15.53	15.61	16.00	16.54	16.71	16.61	16.68	17.07	17.62
	8H	15.21	15.60	15.72	16.10	16.67	16.49	16.89	17.01	17.38	17.95
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-1.1					0.6/-1.0					
S = 1.5H	1.4/-1.6					1.2/-1.3					
S = 2.0H	3.3/-1.9					2.4/-1.4					
标准表格	BK3					BK3					
更正系数	3.6					4.1					

# ROLED 投光灯

## 灯具的概算曲线



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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	1.00	0.98	0.98	0.96	0.95	0.95	0.93	0.92	0.90
2	0.98	0.93	0.89	0.97	0.92	0.88	0.93	0.89	0.86	0.90	0.87	0.84	0.87	0.85	0.82	0.81
3	0.90	0.84	0.79	0.88	0.83	0.78	0.86	0.81	0.77	0.83	0.79	0.76	0.81	0.77	0.74	0.73
4	0.82	0.76	0.71	0.81	0.75	0.70	0.79	0.74	0.69	0.77	0.72	0.68	0.75	0.71	0.68	0.66
5	0.76	0.69	0.64	0.75	0.68	0.64	0.73	0.67	0.63	0.71	0.66	0.62	0.70	0.65	0.62	0.60
6	0.70	0.63	0.58	0.70	0.63	0.58	0.68	0.62	0.58	0.66	0.61	0.57	0.65	0.60	0.57	0.55
7	0.65	0.58	0.53	0.65	0.58	0.53	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.52	0.51
8	0.61	0.54	0.49	0.60	0.54	0.49	0.59	0.53	0.49	0.58	0.53	0.49	0.57	0.52	0.49	0.47
9	0.57	0.50	0.46	0.57	0.50	0.46	0.56	0.50	0.46	0.55	0.49	0.45	0.54	0.49	0.45	0.44
10	0.54	0.47	0.43	0.53	0.47	0.43	0.52	0.47	0.43	0.52	0.46	0.42	0.51	0.46	0.42	0.41



# ROLED 投光灯

## 光强数据表(cd)

附页 第9页 共10页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	4291.17	4277.35	4227.47	4143.06	4032.56	3902.11	3739.42	3562.93	3374.15
30.0	4413.18	4402.44	4356.39	4280.42	4175.29	4049.44	3893.67	3711.80	3517.65
60.0	4382.48	4367.14	4318.02	4245.89	4136.92	4001.87	3851.46	3663.45	3457.03
90.0	4354.86	4344.12	4301.14	4223.64	4116.97	3986.52	3824.60	3640.43	3435.54
120.0	4330.30	4312.65	4260.47	4174.53	4063.26	3918.99	3760.91	3568.30	3361.11
150.0	4308.05	4296.54	4246.66	4164.55	4052.51	3918.99	3754.00	3575.97	3370.32
180.0	4291.17	4269.68	4219.80	4136.92	4023.35	3885.22	3734.82	3550.65	3349.60
210.0	4413.18	4391.69	4339.51	4258.94	4153.04	4014.91	3855.30	3679.57	3467.00
240.0	4382.48	4363.30	4318.02	4237.45	4140.76	4009.54	3849.93	3673.43	3478.52
270.0	4354.86	4332.60	4269.68	4187.57	4073.23	3936.64	3772.42	3588.25	3388.73
300.0	4330.30	4310.35	4256.63	4167.62	4057.12	3914.38	3744.03	3559.09	3362.64
330.0	4308.05	4285.79	4223.64	4136.92	4017.98	3869.11	3699.52	3518.42	3306.62
360.0	4291.17	4277.35	4227.47	4143.06	4032.56	3902.11	3739.42	3562.93	3374.15
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3155.45	2938.28	2714.21	2505.48	2299.83	2092.63	1898.49	1702.04	1506.36
30.0	3300.48	3081.78	2846.96	2618.29	2391.91	2183.18	1969.09	1760.36	1567.75
60.0	3236.02	3013.49	2778.67	2551.53	2340.50	2125.63	1927.65	1710.48	1531.45
90.0	3231.42	3008.88	2781.74	2573.78	2360.45	2159.40	1945.30	1753.45	1553.94
120.0	3144.71	2931.38	2711.14	2509.32	2302.13	2101.84	1906.93	1709.71	1527.15
150.0	3156.98	2949.03	2729.56	2519.30	2313.64	2120.26	1923.04	1727.36	1541.66
180.0	3149.31	2926.00	2701.16	2481.69	2279.11	2070.38	1864.72	1673.65	1488.56
210.0	3258.28	3027.30	2797.85	2557.66	2340.50	2113.35	1900.02	1701.27	1505.21
240.0	3254.44	3025.00	2797.85	2559.20	2337.43	2114.89	1910.00	1703.57	1501.75
270.0	3175.40	2952.10	2721.12	2511.62	2294.45	2076.52	1882.37	1676.72	1485.87
300.0	3140.10	2920.63	2708.07	2489.37	2286.01	2080.36	1889.28	1695.90	1500.99
330.0	3094.06	2886.87	2663.56	2464.81	2258.39	2054.27	1860.89	1677.48	1491.47
360.0	3155.45	2938.28	2714.21	2505.48	2299.83	2092.63	1898.49	1702.04	1506.36
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1323.72	1168.71	1015.24	888.62	772.75	667.62	577.83	505.70	438.17
30.0	1380.51	1209.38	1054.37	923.92	803.44	698.31	610.83	530.26	461.19
60.0	1348.20	1188.67	1037.19	904.28	792.93	689.18	599.09	520.28	455.90
90.0	1378.97	1207.08	1052.07	921.62	801.14	694.48	600.09	523.35	452.75
120.0	1354.88	1194.27	1040.56	912.33	786.87	687.88	597.10	517.67	453.52
150.0	1360.56	1190.97	1036.72	907.81	788.10	688.34	597.02	517.98	450.45
180.0	1317.12	1150.45	1000.66	869.59	759.40	657.33	569.39	496.57	431.80
210.0	1332.01	1164.95	1011.25	880.87	771.06	667.31	584.36	508.23	443.08
240.0	1326.79	1163.34	1012.17	880.95	772.75	669.92	584.74	509.54	442.78
270.0	1315.59	1149.53	997.82	874.42	759.63	656.64	573.15	495.88	428.20
300.0	1329.10	1165.64	1014.47	881.72	774.28	670.69	586.28	510.31	442.01
330.0	1315.82	1158.89	1006.26	876.73	761.08	663.47	576.84	504.78	438.71
360.0	1323.72	1168.71	1015.24	888.62	772.75	667.62	577.83	505.70	438.17
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	388.29	344.94	308.18	279.94	253.46	231.44	210.72	192.00	172.12
30.0	405.94	363.97	326.83	298.13	272.34	248.40	226.76	204.51	182.79
60.0	400.19	356.60	317.31	284.62	256.30	230.90	203.20	174.19	149.72
90.0	391.36	345.93	305.34	271.73	243.03	213.64	185.17	161.69	138.59
120.0	397.50	351.23	314.24	281.70	253.54	226.99	200.67	171.59	147.64
150.0	398.27	354.83	318.54	290.68	265.51	243.49	221.16	199.06	178.88
180.0	379.62	337.11	304.42	275.79	252.08	229.60	208.88	188.62	170.20
210.0	391.59	351.38	316.62	289.07	265.67	242.11	219.62	198.37	176.11
240.0	388.29	349.16	310.71	279.09	252.77	225.53	198.67	168.06	143.58
270.0	372.41	328.44	290.38	260.29	230.37	200.29	173.96	150.71	126.85
300.0	388.29	348.16	309.25	277.33	250.93	223.61	197.14	166.83	142.27
330.0	386.45	345.86	310.94	283.39	258.84	237.04	214.87	192.76	172.51
360.0	388.29	344.94	308.18	279.94	253.46	231.44	210.72	192.00	172.12

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/10  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

# ROLED 投光灯

## 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	154.55	138.66	121.71	106.74	88.86	70.98	54.79	36.22	12.89
30.0	161.07	140.81	118.79	95.08	71.14	50.03	35.76	12.43	4.60
60.0	126.46	102.75	83.72	69.37	57.55	33.53	12.35	8.90	4.99
90.0	114.95	97.84	82.57	71.90	52.64	21.95	14.04	9.59	5.76
120.0	124.70	101.29	82.72	68.76	56.63	32.08	12.12	8.67	4.76
150.0	157.62	136.52	114.49	90.78	67.45	47.42	33.99	9.44	4.14
180.0	152.63	135.98	120.78	104.82	86.56	69.52	52.49	33.15	10.90
210.0	154.70	132.30	109.27	84.03	59.55	41.05	29.08	6.06	3.07
240.0	120.25	97.23	79.58	65.38	52.49	22.56	10.82	6.68	4.22
270.0	105.13	88.94	76.05	63.69	36.68	13.81	11.59	6.75	4.07
300.0	119.33	97.53	78.81	64.61	52.41	23.40	10.44	6.98	4.14
330.0	151.71	130.22	107.28	83.95	59.78	41.05	29.54	5.91	2.99
360.0	154.55	138.66	121.71	106.74	88.86	70.98	54.79	36.22	12.89
C/γ(°)	90.0								
0.0	0.54								
30.0	1.15								
60.0	1.00								
90.0	1.38								
120.0	0.92								
150.0	0.77								
180.0	0.46								
210.0	0.46								
240.0	0.23								
270.0	0.31								
300.0	0.31								
330.0	0.38								
360.0	0.54								