

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: F1121A-1-24DC-RC-Y (20-XL-1RGBWN-AJ, P4)

报告编号:

电压(V): 24.1000

测试编号: 20210412004

电流(A): 0.2390

光源规格型号: XL

功率(W): 5.7000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 1

镇流器型号:

发光面长度(mm): 50

发光面宽度(mm): 50

测试模式: C

发光面高度(mm): 0

---

## 光度结果

---

灯具光通量(lm): 232.07

灯具效能(lm/w): 40.71

中心光强(cd): 1009.867

最大光强(cd): 1029.281

最大光强角度: C=150.0  $\gamma$ =2.0

半峰边角(50%Imax): [C0/180]Total=22.9

[C90/270]Total=22.6

光束扩散角(10%Imax): [C0/180]Total=44.2

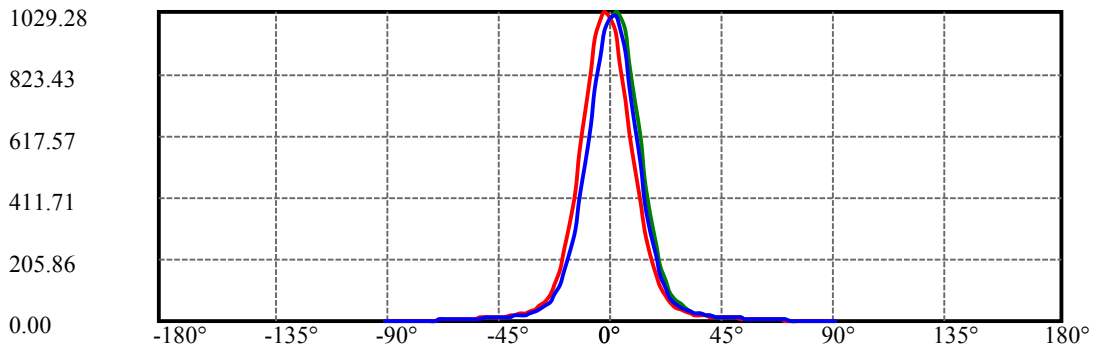
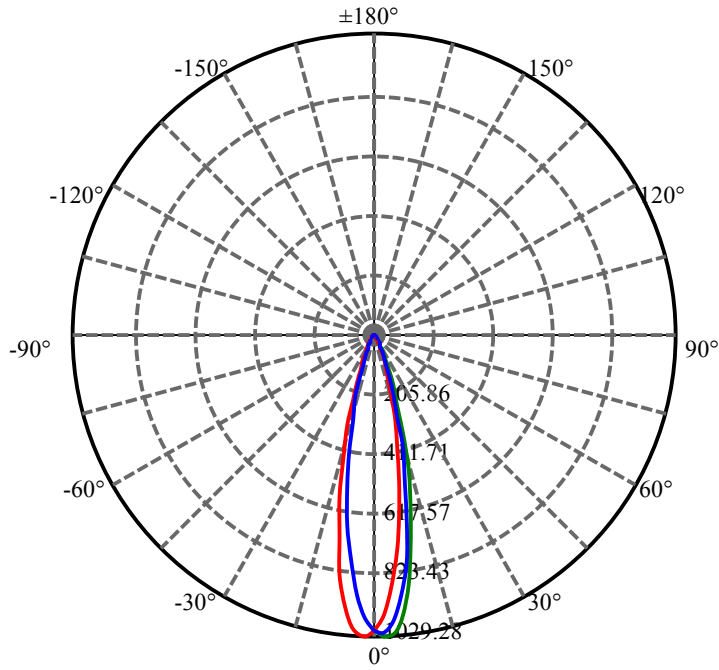
[C90/270]Total=43.6

---

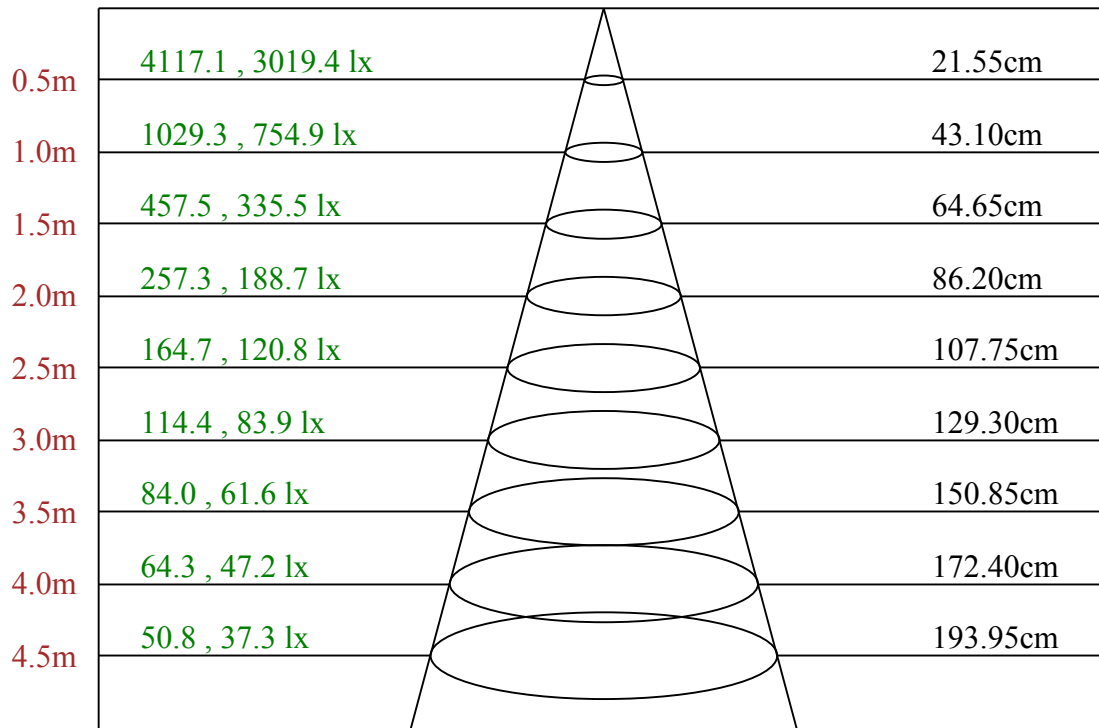
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/12  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

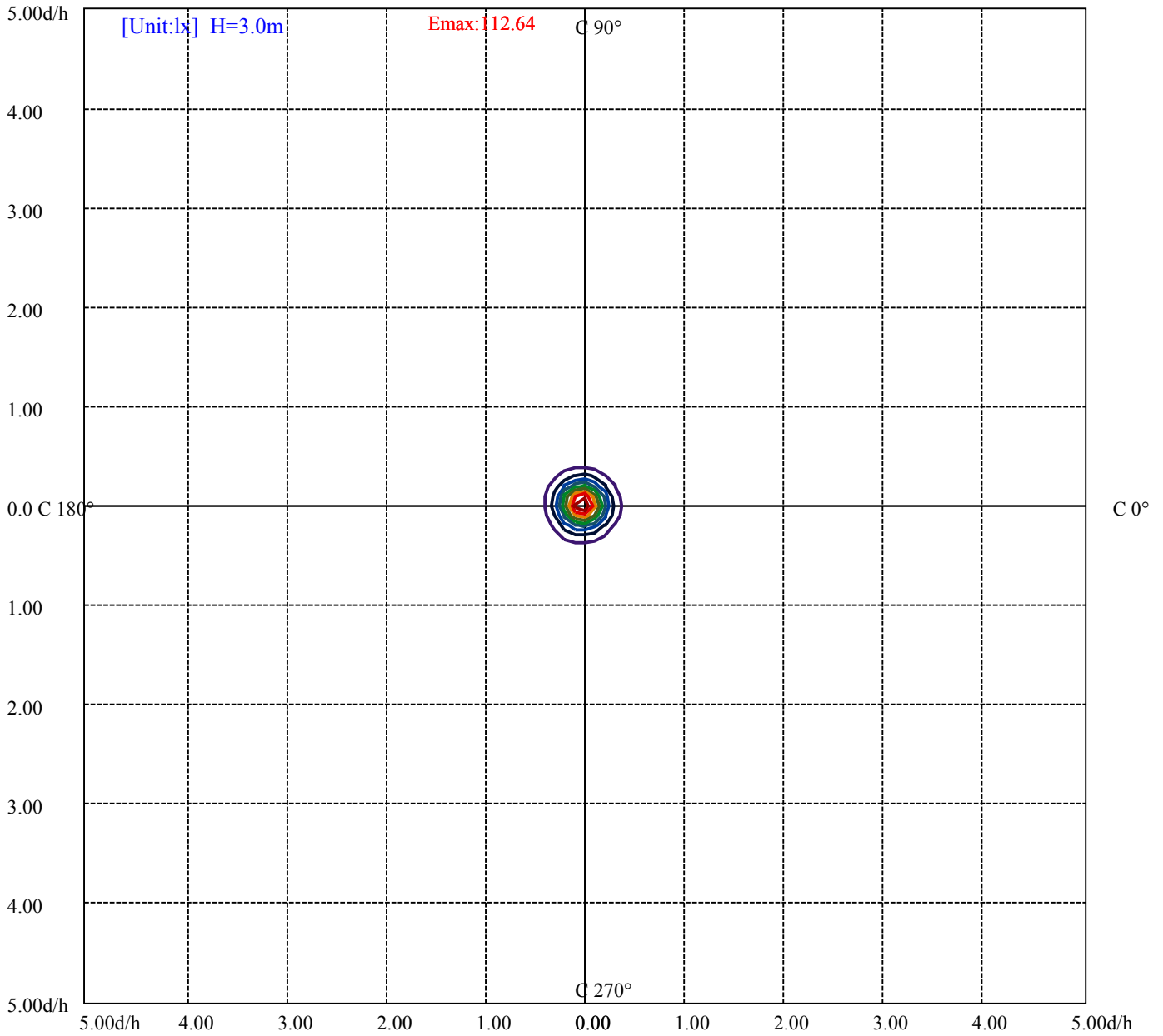


C150(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave C150面光束角24.29

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 11.26422
- (20%Emax) 22.52844
- (30%Emax) 33.79256
- (40%Emax) 45.05678
- (50%Emax) 56.321
- (60%Emax) 67.58523
- (70%Emax) 78.84945
- (80%Emax) 90.11356
- (90%Emax) 101.3778

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/12  
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)

亮度值表

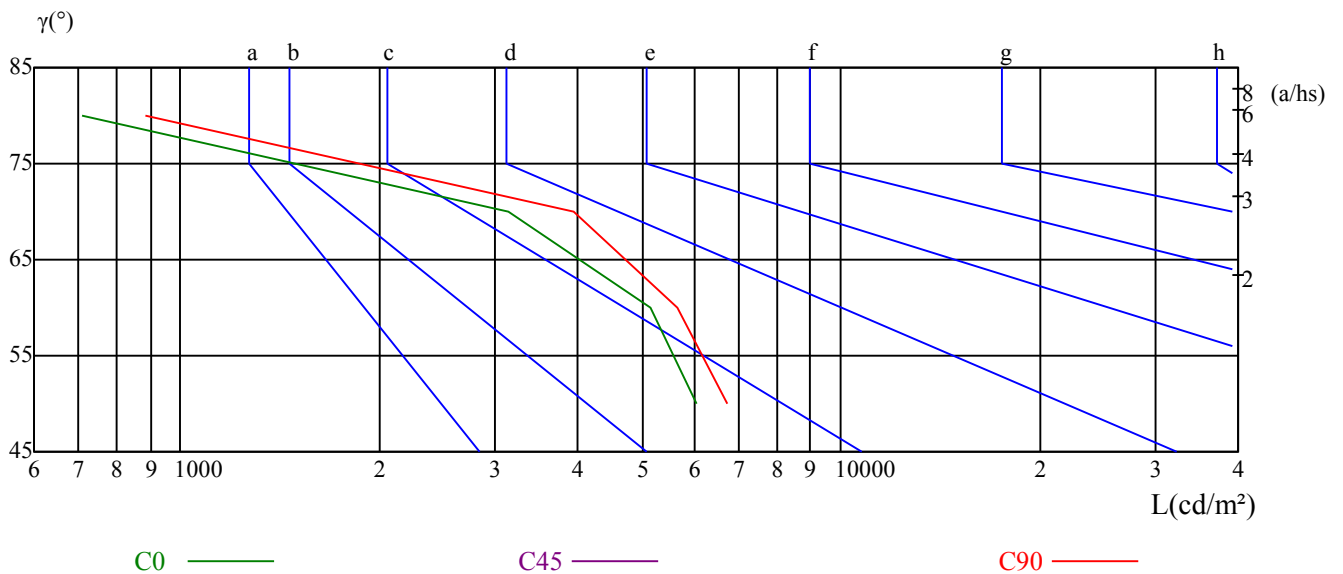
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6065	0	5157	0	3141	0	707	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6733	0	5648	0	3949	0	884	0

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

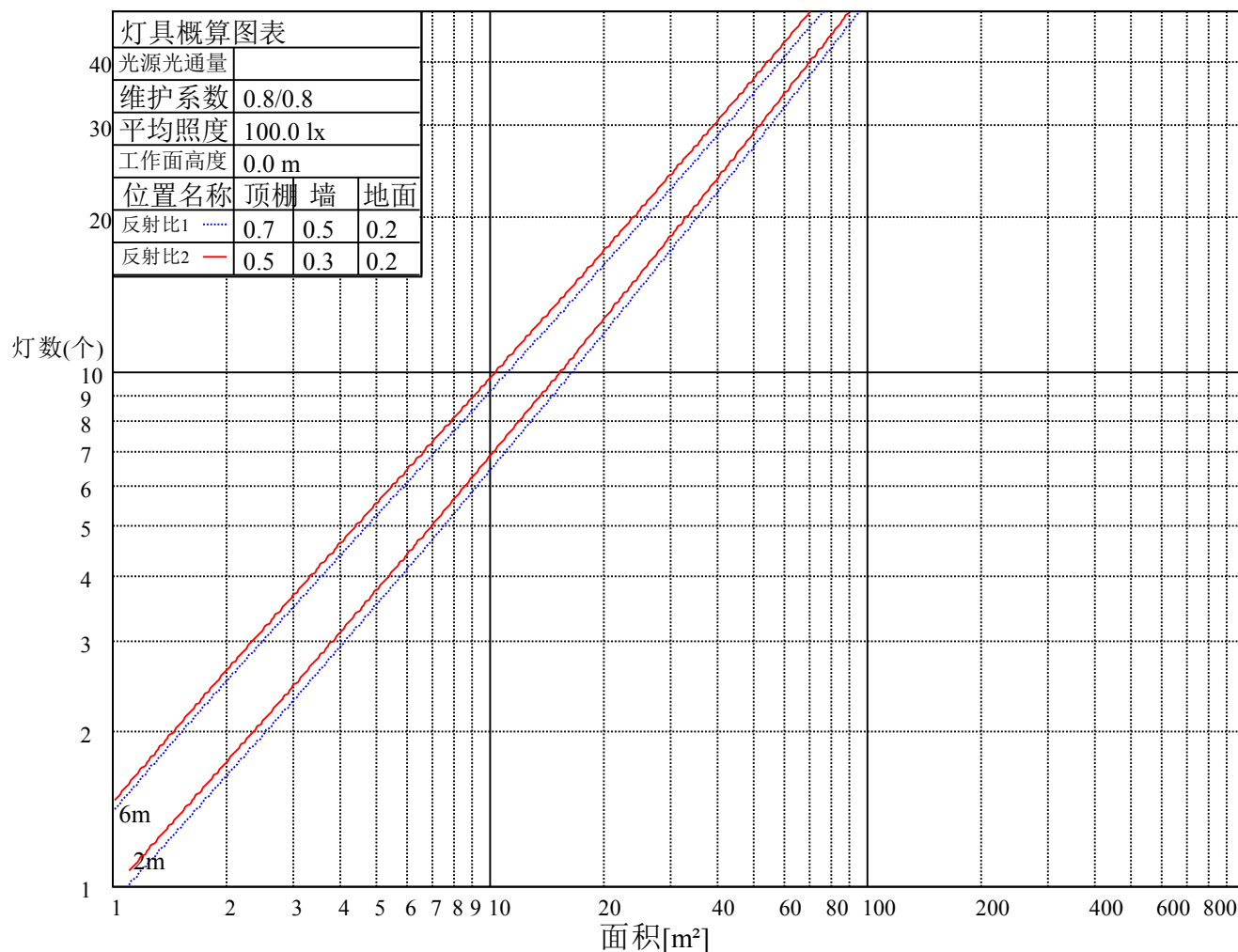
眩光等级	质量等级	使用照度(lx)							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

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	18.39	19.41	18.75	19.72	20.04	18.40	19.42	18.76	19.73	20.05
	3H	19.35	20.25	19.73	20.58	20.95	19.29	20.19	19.67	20.52	20.89
	4H	19.51	20.35	19.92	20.70	21.09	19.43	20.26	19.84	20.62	21.01
	6H	19.49	20.25	19.91	20.63	21.02	19.41	20.17	19.83	20.55	20.94
	8H	19.44	20.16	19.88	20.55	20.96	19.36	20.08	19.80	20.47	20.88
	12H	19.39	20.08	19.83	20.46	20.89	19.32	20.00	19.75	20.39	20.82
4H	2H	18.66	19.50	19.07	19.85	20.24	18.67	19.50	19.08	19.86	20.25
	3H	19.75	20.44	20.17	20.85	21.25	19.69	20.38	20.11	20.78	21.19
	4H	19.96	20.57	20.40	20.99	21.44	19.87	20.48	20.31	20.91	21.35
	6H	19.95	20.47	20.42	20.92	21.39	19.87	20.39	20.34	20.84	21.31
	8H	19.89	20.38	20.37	20.83	21.30	19.82	20.30	20.29	20.75	21.23
	12H	19.84	20.26	20.34	20.75	21.23	19.77	20.19	20.26	20.67	21.15
8H	4H	19.93	20.41	20.40	20.86	21.34	19.85	20.33	20.33	20.78	21.26
	6H	19.92	20.30	20.43	20.81	21.29	19.85	20.23	20.36	20.74	21.22
	8H	19.87	20.21	20.41	20.73	21.23	19.81	20.14	20.34	20.67	21.16
	12H	20.58	20.87	21.10	21.37	21.95	20.51	20.80	21.03	21.30	21.88
12H	4H	19.87	20.29	20.36	20.78	21.26	19.79	20.21	20.29	20.70	21.18
	6H	20.15	20.20	20.40	20.68	21.22	20.08	20.13	20.33	20.60	21.15
	8H	19.83	20.12	20.35	20.62	21.20	19.77	20.06	20.29	20.56	21.13
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.5					0.4/-0.5					
S = 1.5H	1.0/-1.3					1.1/-1.5					
S = 2.0H	3.2/-1.8					3.0/-2.3					
标准表格	BK2					BK2					
更正系数	-2.6					-3.1					

# ROLED 投光灯 灯具的概算曲线



# ROLED 投光灯

## 灯具的利用系数表

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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.95
2	1.05	1.02	0.99	1.04	1.00	0.98	1.00	0.98	0.96	0.98	0.95	0.94	0.95	0.93	0.92	0.90
3	1.00	0.95	0.92	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.89	0.91	0.89	0.87	0.86
4	0.95	0.90	0.87	0.94	0.90	0.86	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.82
5	0.91	0.86	0.82	0.90	0.85	0.82	0.88	0.84	0.81	0.87	0.83	0.81	0.85	0.82	0.80	0.79
6	0.87	0.82	0.79	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.76
7	0.84	0.79	0.75	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.77	0.74	0.73
8	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.71
9	0.78	0.73	0.70	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
10	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.66



ROLED 投光灯

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	1009.87	958.15	858.23	736.68	625.18	505.85	390.29	297.82	215.71
30.0	1016.16	982.16	909.03	794.16	663.70	534.25	421.60	314.70	228.68
60.0	1011.40	995.52	935.51	826.54	687.65	566.94	446.92	336.57	241.88
90.0	1008.26	1016.16	979.71	895.22	781.88	647.05	517.90	393.82	292.22
120.0	1010.71	1024.06	996.90	928.83	817.26	689.64	555.81	431.96	318.46
150.0	1004.73	1029.28	1015.47	962.60	859.69	730.85	609.14	476.00	350.38
180.0	1009.87	1027.67	1004.19	936.89	829.99	697.70	561.95	435.64	323.14
210.0	1016.16	1017.46	973.34	885.78	765.84	625.56	496.34	375.94	282.39
240.0	1011.40	999.05	938.19	840.28	721.64	597.86	467.26	356.98	264.82
270.0	1008.26	965.74	885.01	770.37	653.19	524.89	407.09	305.95	227.68
300.0	1010.71	959.30	866.06	751.18	629.63	505.70	387.06	291.83	212.18
330.0	1004.73	941.95	835.29	713.81	601.09	482.91	371.72	275.33	201.44
360.0	1009.87	958.15	858.23	736.68	625.18	505.85	390.29	297.82	215.71
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	154.17	113.26	82.65	62.62	47.81	38.14	31.08	26.09	21.95
30.0	168.21	120.71	87.56	65.53	51.18	40.59	33.69	28.01	23.40
60.0	177.72	125.85	90.93	68.76	52.72	42.28	34.38	28.78	23.94
90.0	215.25	151.86	106.74	77.81	59.78	46.96	38.29	31.54	26.47
120.0	229.52	162.53	117.56	85.56	63.54	49.27	39.06	31.85	26.01
150.0	256.99	184.17	132.14	96.31	72.36	54.71	42.82	34.76	28.39
180.0	237.58	171.28	124.62	90.32	66.68	51.41	40.36	32.69	27.17
210.0	207.96	149.41	107.89	79.35	59.86	46.27	37.68	31.16	26.78
240.0	193.23	142.12	101.29	74.59	56.17	43.51	35.07	29.47	25.09
270.0	165.98	120.55	88.63	65.99	51.11	39.83	32.08	26.40	21.95
300.0	153.71	114.49	84.10	63.69	49.04	38.68	31.46	26.47	22.48
330.0	144.73	104.59	77.50	58.78	45.74	36.37	30.46	25.40	21.72
360.0	154.17	113.26	82.65	62.62	47.81	38.14	31.08	26.09	21.95
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	18.57	16.35	14.27	12.97	11.89	11.05	10.36	9.75	9.29
30.0	20.57	17.65	15.50	13.81	12.74	11.59	10.97	10.28	9.59
60.0	20.57	17.88	15.50	13.97	12.74	11.74	10.97	10.44	9.67
90.0	22.56	19.34	16.81	14.89	13.66	12.58	11.66	10.82	10.13
120.0	22.18	19.18	16.81	14.96	13.43	12.28	11.28	10.59	9.90
150.0	23.79	20.41	17.57	15.50	13.97	12.58	11.43	10.74	10.05
180.0	23.02	19.64	17.27	15.19	13.66	12.28	11.36	10.59	9.90
210.0	22.71	19.49	16.88	15.04	13.51	12.05	11.20	10.36	9.82
240.0	20.87	18.26	16.19	14.35	13.20	11.74	10.82	10.13	9.52
270.0	18.80	16.42	14.73	13.28	12.28	11.66	10.36	9.67	9.06
300.0	19.18	16.73	14.50	13.12	12.12	11.20	10.36	9.59	9.13
330.0	18.80	16.35	14.43	12.97	11.97	10.97	10.36	9.67	9.06
360.0	18.57	16.35	14.27	12.97	11.89	11.05	10.36	9.75	9.29
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	8.75	8.29	7.37	6.45	5.45	4.68	3.99	3.30	2.69
30.0	9.06	8.59	7.67	6.83	5.76	4.99	4.22	3.61	2.92
60.0	9.21	8.67	7.67	6.98	5.83	5.06	4.30	3.76	2.99
90.0	9.44	8.75	7.98	7.06	6.14	5.29	4.68	3.91	3.38
120.0	9.36	8.59	7.83	6.83	6.06	5.22	4.53	3.91	3.22
150.0	9.29	8.59	7.67	6.83	5.83	5.14	4.45	3.99	3.30
180.0	9.13	8.36	7.37	6.60	5.76	4.99	4.22	3.61	2.92
210.0	8.98	8.29	7.21	6.29	5.60	4.83	4.14	3.53	2.76
240.0	8.59	8.13	7.06	6.37	5.45	4.68	4.07	3.45	2.76
270.0	8.52	7.83	6.83	5.99	5.14	4.53	3.91	3.22	2.53
300.0	8.67	7.83	7.14	6.14	5.37	4.60	3.91	3.30	2.69
330.0	8.67	8.06	6.98	6.29	5.29	4.45	3.84	3.15	2.38
360.0	8.75	8.29	7.37	6.45	5.45	4.68	3.99	3.30	2.69

# 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	2.00	1.46	0.92	0.46	0.31	0.23	0.15	0.00	0.00
30.0	2.23	1.76	1.15	0.69	0.31	0.23	0.15	0.08	0.00
60.0	2.38	1.76	1.15	0.69	0.31	0.31	0.15	0.08	0.00
90.0	2.53	2.00	1.46	0.92	0.38	0.23	0.15	0.08	0.00
120.0	2.53	2.00	1.46	0.92	0.54	0.23	0.31	0.15	0.00
150.0	2.61	2.07	1.46	0.92	0.46	0.23	0.23	0.15	0.00
180.0	2.38	1.69	1.23	0.69	0.46	0.23	0.15	0.08	0.08
210.0	2.23	1.69	1.07	0.61	0.31	0.23	0.15	0.08	0.00
240.0	2.23	1.61	1.07	0.61	0.15	0.15	0.15	0.08	0.00
270.0	2.07	1.38	0.92	0.46	0.23	0.23	0.15	0.08	0.00
300.0	2.00	1.46	0.92	0.46	0.31	0.23	0.08	0.00	0.00
330.0	1.84	1.30	0.77	0.38	0.31	0.23	0.08	0.00	0.00
360.0	2.00	1.46	0.92	0.46	0.31	0.23	0.15	0.00	0.00
C/γ(°)	90.0								
0.0	0.00								
30.0	0.00								
60.0	0.00								
90.0	0.00								
120.0	0.00								
150.0	0.00								
180.0	0.00								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	0.00								