

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: F3443A-18-UN-RC-Y (12-XL-18RGBWN-AJ, L1000, A, CT)

报告编号:

电压(V): 220.0000

测试编号: 20210408010

电流(A): 0.4390

光源规格型号: XL

功率(W): 92.8000

每个光源光通量(lm)

功率因数: 0.9610

光源数量: 18

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 60

测试模式: C

发光面高度(mm): 0

---

## 光度结果

---

灯具光通量(lm): 4133.91

灯具效能(lm/w): 44.55

中心光强(cd): 45083.340

最大光强(cd): 45843.050

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=13.7

[C90/270]Total=13.6

光束扩散角(10%Imax): [C0/180]Total=25.7

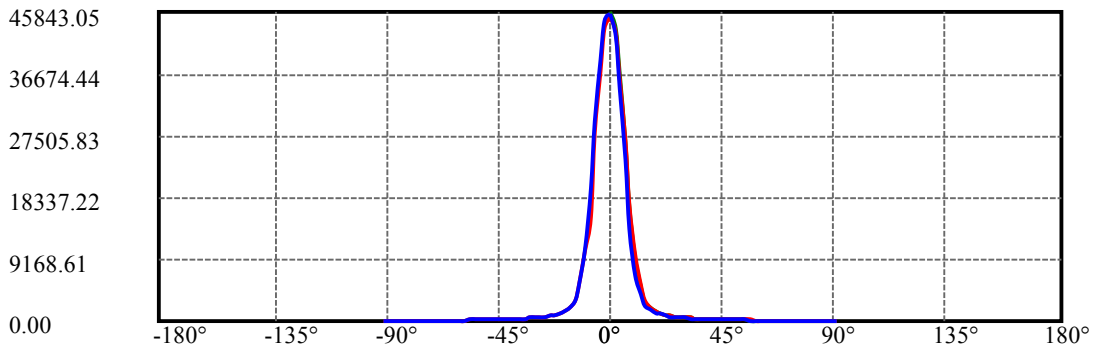
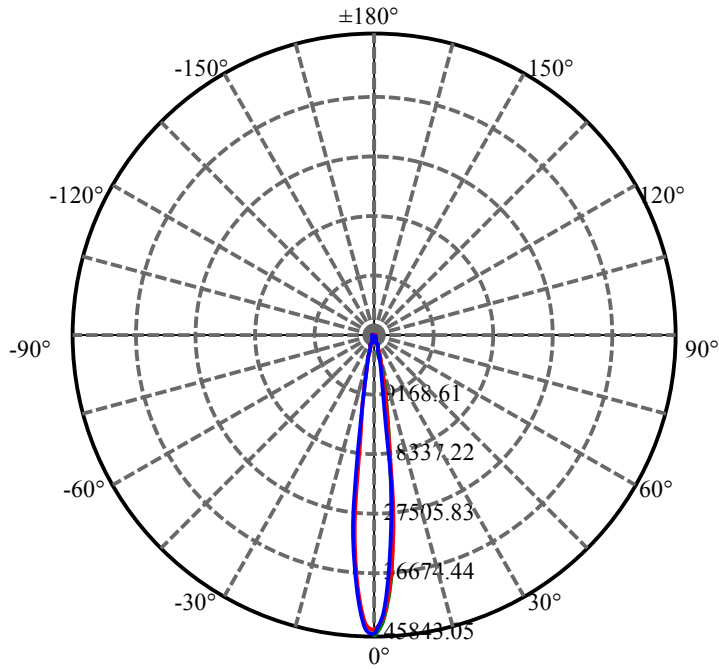
[C90/270]Total=24.4

---

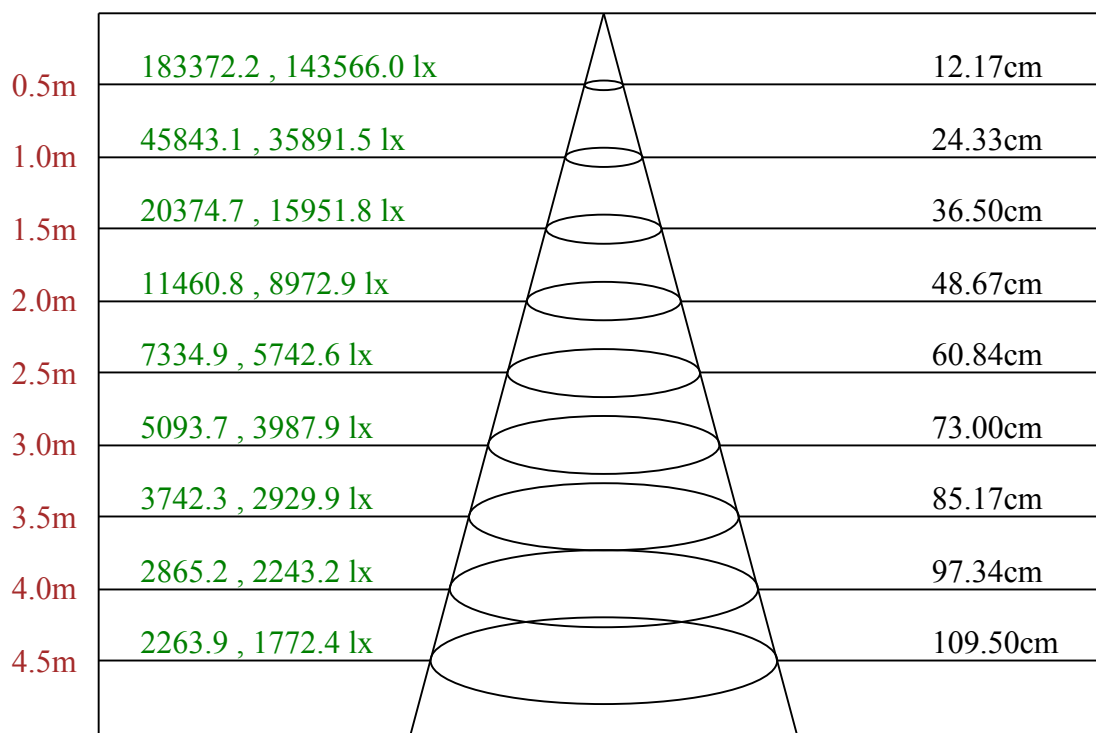
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/8  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

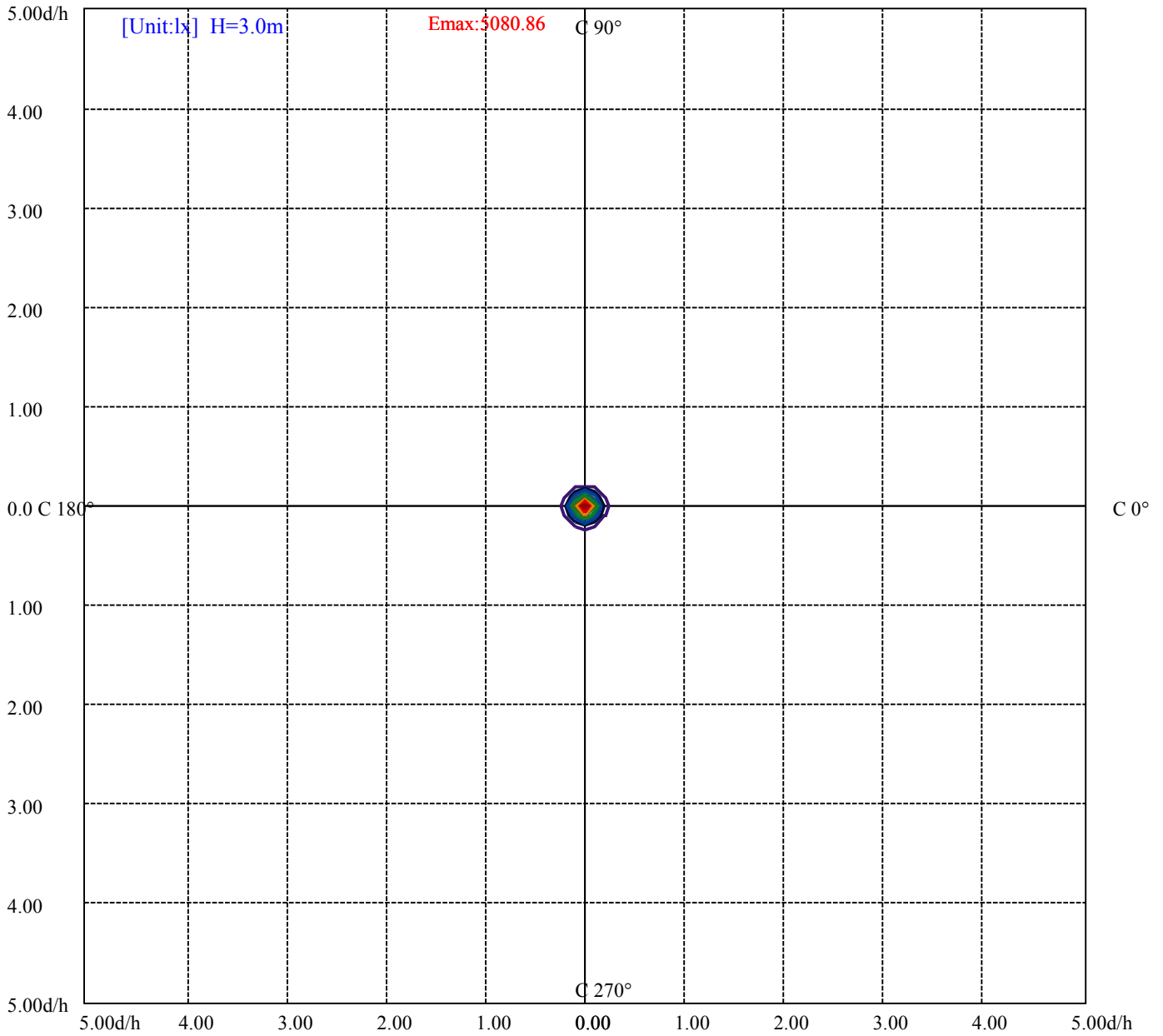


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角13.87

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 508.0856
- (20%Emax) 1016.17
- (30%Emax) 1524.255
- (40%Emax) 2032.344
- (50%Emax) 2540.422
- (60%Emax) 3048.511
- (70%Emax) 3556.6
- (80%Emax) 4064.678
- (90%Emax) 4572.767

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/8  
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

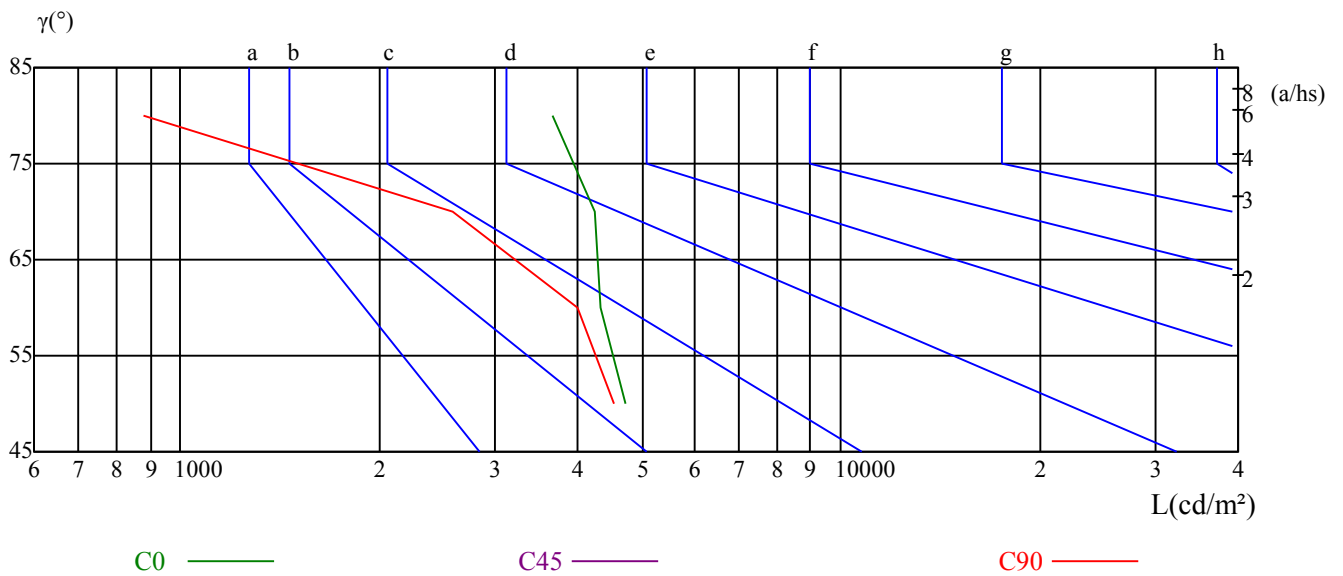
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	4716	0	4338	0	4239	0	3653	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4536	0	3999	0	2583	0	879	0

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

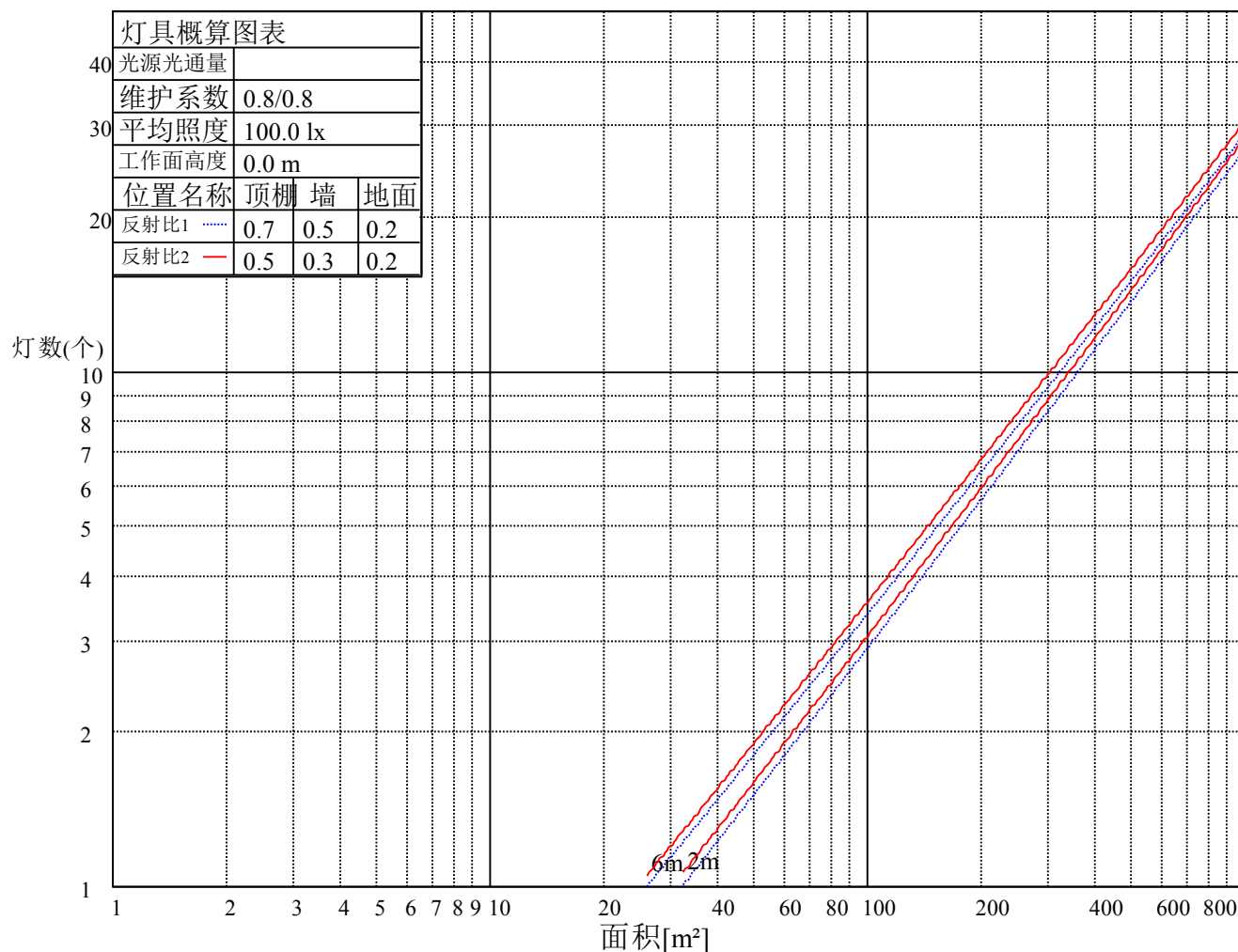
亮度限制曲线



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	7.45	8.47	7.81	8.79	9.10	7.52	8.55	7.89	8.86	9.18
	3H	8.65	9.56	9.03	9.89	10.26	9.52	10.42	9.90	10.76	11.12
	4H	8.88	9.72	9.28	10.07	10.46	10.28	11.12	10.68	11.47	11.86
	6H	8.90	9.67	9.32	10.04	10.44	10.78	11.55	11.20	11.93	12.32
	8H	8.87	9.59	9.31	9.99	10.40	10.94	11.66	11.37	12.05	12.46
	12H	8.85	9.54	9.29	9.93	10.36	11.13	11.82	11.56	12.20	12.63
4H	2H	8.01	8.86	8.42	9.21	9.60	8.07	8.92	8.48	9.27	9.66
	3H	9.34	10.04	9.76	10.44	10.85	10.29	10.98	10.71	11.39	11.80
	4H	9.62	10.24	10.06	10.66	11.11	11.18	11.79	11.61	12.22	12.66
	6H	9.66	10.19	10.13	10.64	11.11	11.67	12.19	12.14	12.64	13.12
	8H	9.63	10.12	10.10	10.57	11.04	11.84	12.33	12.32	12.78	13.26
	12H	9.61	10.03	10.10	10.52	11.00	12.03	12.45	12.52	12.94	13.42
8H	4H	9.86	10.35	10.33	10.80	11.27	11.26	11.75	11.73	12.20	12.67
	6H	9.92	10.30	10.42	10.81	11.29	11.82	12.21	12.33	12.72	13.20
	8H	9.90	10.24	10.43	10.76	11.26	12.04	12.39	12.57	12.91	13.41
	12H	10.65	10.94	11.17	11.44	12.02	12.73	13.03	13.25	13.52	14.10
12H	4H	9.85	10.27	10.34	10.76	11.24	11.20	11.63	11.69	12.12	12.59
	6H	10.22	10.27	10.46	10.74	11.29	12.08	12.12	12.31	12.60	13.14
	8H	9.93	10.22	10.45	10.72	11.30	12.02	12.32	12.54	12.82	13.40
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.6					0.3/-0.6					
S = 1.5H	1.0/-0.8					0.8/-0.7					
S = 2.0H	2.2/-1.7					1.2/-0.8					
标准表格	BK3					BK3					
更正系数	-3.3					-2.0					

# 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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96
2	1.06	1.03	1.00	1.05	1.02	0.99	1.02	0.99	0.97	0.99	0.97	0.95	0.96	0.94	0.93	0.92
3	1.02	0.98	0.94	1.00	0.97	0.94	0.98	0.95	0.92	0.95	0.93	0.91	0.93	0.91	0.90	0.88
4	0.97	0.93	0.90	0.96	0.92	0.90	0.94	0.91	0.88	0.93	0.90	0.88	0.91	0.88	0.87	0.85
5	0.94	0.90	0.86	0.93	0.89	0.86	0.92	0.88	0.85	0.90	0.87	0.85	0.89	0.86	0.84	0.83
6	0.91	0.87	0.84	0.90	0.86	0.83	0.89	0.85	0.83	0.88	0.85	0.82	0.87	0.84	0.82	0.81
7	0.88	0.84	0.81	0.88	0.84	0.81	0.87	0.83	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.79
8	0.86	0.82	0.79	0.86	0.82	0.79	0.85	0.81	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.77
9	0.84	0.80	0.77	0.84	0.80	0.77	0.83	0.80	0.77	0.82	0.79	0.77	0.82	0.79	0.77	0.76
10	0.82	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74



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	45083.34	42581.69	35867.15	26896.53	17488.50	9914.50	5325.59	3142.40	2009.76
30.0	45843.04	43249.31	36665.23	26390.06	16974.36	9323.62	5118.40	2973.58	1956.04
60.0	45612.83	41814.32	33565.03	23075.00	13077.62	6904.08	3738.66	2363.52	1524.09
90.0	45681.89	42159.64	34593.31	23850.05	13620.92	6745.24	3890.60	2275.27	1629.91
120.0	45328.90	41553.41	33403.88	23427.99	13197.33	6797.42	3564.46	2190.09	1520.10
150.0	45267.51	43256.99	36718.94	26934.90	16874.60	9354.31	4773.08	2761.79	1807.94
180.0	45083.34	43402.79	37156.35	27825.05	15271.55	10477.75	5785.25	3180.77	1990.57
210.0	45843.04	43786.47	37010.54	27656.23	15114.24	10358.81	5617.19	3162.36	2055.80
240.0	45612.83	44730.35	38836.90	30357.39	20343.14	11932.70	6177.38	3975.01	2223.09
270.0	45681.89	44354.33	38629.71	29613.04	19652.50	10782.40	5692.40	3197.66	2082.66
300.0	45328.90	44538.50	39596.60	30741.08	20458.24	11894.33	6192.72	3913.62	2194.70
330.0	45267.51	43233.96	36918.46	28124.33	15032.90	10521.49	5452.97	3124.76	1999.01
360.0	45083.34	42581.69	35867.15	26896.53	17488.50	9914.50	5325.59	3142.40	2009.76
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1462.62	1161.81	941.57	783.49	666.85	579.37	506.47	442.01	389.83
30.0	1465.69	1157.97	941.57	779.65	665.31	574.00	503.40	440.47	388.29
60.0	1299.17	1047.01	863.84	719.95	615.13	537.32	468.25	409.63	360.82
90.0	1257.73	1017.54	832.60	698.31	598.55	518.75	457.36	402.87	361.13
120.0	1227.03	986.69	805.51	676.29	575.53	503.01	438.25	389.83	346.39
150.0	1343.68	1075.86	870.20	718.26	606.23	525.65	458.89	407.48	362.97
180.0	1460.47	1134.41	917.94	762.70	650.58	560.18	489.89	432.65	381.00
210.0	1496.08	1179.23	954.08	793.01	675.98	582.05	508.54	445.54	395.58
240.0	1604.58	1246.22	1002.96	833.37	704.45	606.99	528.72	466.56	410.55
270.0	1525.01	1196.80	982.39	814.80	688.95	596.56	524.50	457.66	405.48
300.0	1566.98	1222.43	996.82	821.09	692.94	593.95	520.28	457.36	402.11
330.0	1493.54	1169.48	947.79	795.16	671.68	577.76	504.40	444.31	391.75
360.0	1462.62	1161.81	941.57	783.49	666.85	579.37	506.47	442.01	389.83
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	346.09	308.10	274.87	249.55	227.22	209.11	193.15	178.26	164.68
30.0	347.85	309.87	276.95	249.09	226.45	206.81	190.31	174.27	160.46
60.0	322.22	286.77	257.99	232.51	211.49	194.53	179.64	166.29	154.01
90.0	321.91	289.30	261.29	237.43	216.48	200.05	185.94	171.43	159.23
120.0	311.63	279.94	252.70	229.60	208.57	191.61	176.73	163.68	151.86
150.0	323.91	290.84	263.90	238.65	216.71	199.36	183.79	169.67	156.62
180.0	337.95	301.35	272.57	247.25	226.30	207.81	192.00	177.19	164.68
210.0	351.77	315.47	283.01	255.69	231.21	211.87	196.29	180.18	167.36
240.0	366.19	328.51	293.60	265.67	239.88	218.09	200.90	185.09	171.43
270.0	360.13	320.15	288.76	259.45	233.82	213.64	198.67	183.10	169.74
300.0	360.28	321.45	287.00	258.45	234.74	213.33	197.29	182.02	167.98
330.0	349.85	311.40	278.94	251.47	228.52	208.80	192.00	177.03	163.83
360.0	346.09	308.10	274.87	249.55	227.22	209.11	193.15	178.26	164.68
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	154.63	145.11	135.75	127.54	119.10	111.04	102.37	94.23	85.26
30.0	149.10	139.89	131.14	123.01	115.95	108.51	100.53	92.24	84.33
60.0	144.42	135.06	126.00	116.87	108.28	98.38	86.56	71.37	56.25
90.0	148.95	138.20	127.84	117.56	106.51	90.47	75.74	62.46	51.95
120.0	142.73	134.06	125.39	116.49	107.59	98.30	86.64	71.60	56.02
150.0	145.57	136.13	127.46	119.40	111.27	104.06	96.46	89.63	82.80
180.0	153.94	144.65	136.29	127.46	119.79	111.27	103.52	95.08	86.41
210.0	156.54	147.03	138.13	130.22	122.17	114.65	107.13	98.68	90.78
240.0	160.15	151.25	141.89	133.06	124.24	114.95	104.21	90.93	72.29
270.0	158.85	148.18	137.36	127.00	116.26	101.75	85.56	70.91	58.78
300.0	157.08	148.33	139.28	130.61	122.24	112.73	102.67	87.79	70.52
330.0	153.32	144.34	135.67	127.46	119.56	112.27	104.59	96.77	88.63
360.0	154.63	145.11	135.75	127.54	119.10	111.04	102.37	94.23	85.26

# 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	75.97	66.68	56.63	47.35	37.29	29.08	20.34	12.20	4.30
30.0	74.67	64.08	53.87	40.90	23.48	11.20	4.14	2.61	1.53
60.0	44.74	33.99	24.40	14.43	7.67	6.45	4.07	3.15	1.76
90.0	41.59	31.92	21.18	12.28	8.98	7.67	4.37	3.99	1.84
120.0	44.28	34.22	24.48	14.96	7.60	6.29	4.30	3.15	1.76
150.0	73.82	63.62	52.72	41.13	23.94	11.74	4.53	2.53	1.61
180.0	77.50	67.53	58.17	47.65	38.68	29.85	21.72	13.89	6.52
210.0	81.96	72.06	61.31	49.34	28.85	14.89	5.91	3.22	1.92
240.0	56.86	44.58	32.38	21.95	12.28	7.37	6.37	3.68	2.92
270.0	48.04	36.83	25.86	16.04	9.67	8.67	6.06	4.30	2.92
300.0	55.71	43.05	32.31	21.49	12.43	7.44	6.29	3.76	2.76
330.0	80.04	70.06	59.86	47.27	26.86	13.81	5.45	3.15	1.84
360.0	75.97	66.68	56.63	47.35	37.29	29.08	20.34	12.20	4.30

C/γ(°)	90.0
0.0	0.31
30.0	0.38
60.0	0.54
90.0	0.38
120.0	0.46
150.0	0.31
180.0	0.31
210.0	0.54
240.0	0.84
270.0	0.77
300.0	0.69
330.0	0.38
360.0	0.31