

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3053A-36-36DC (15-OL-36WN-AA, P1)

报告编号:

电压(V): 36.0000

测试编号: 20210327006

电流(A): 1.0010

光源规格型号: OL

功率(W): 36.0000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 36

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 38

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): 3625.32

灯具效能(lm/w): 100.70

中心光强(cd): 25530.600

最大光强(cd): 27502.760

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=15.3

[C90/270]Total=14.6

光束扩散角(10%Imax): [C0/180]Total=33.7

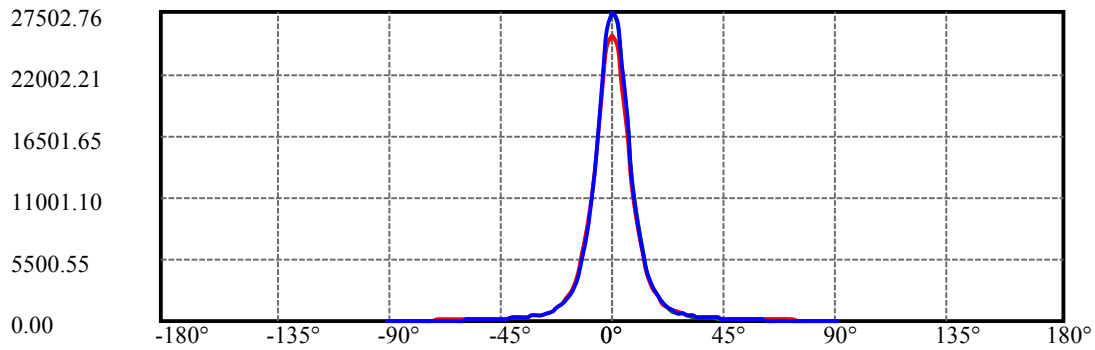
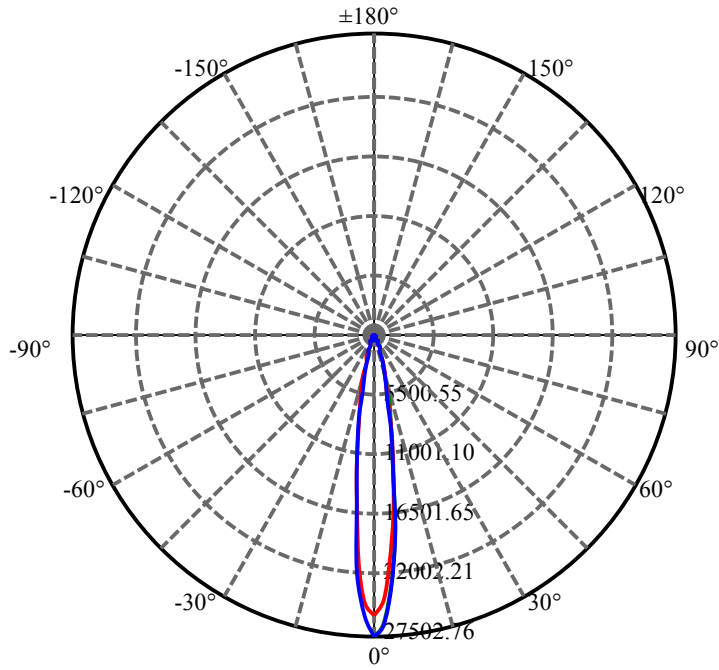
[C90/270]Total=32.7

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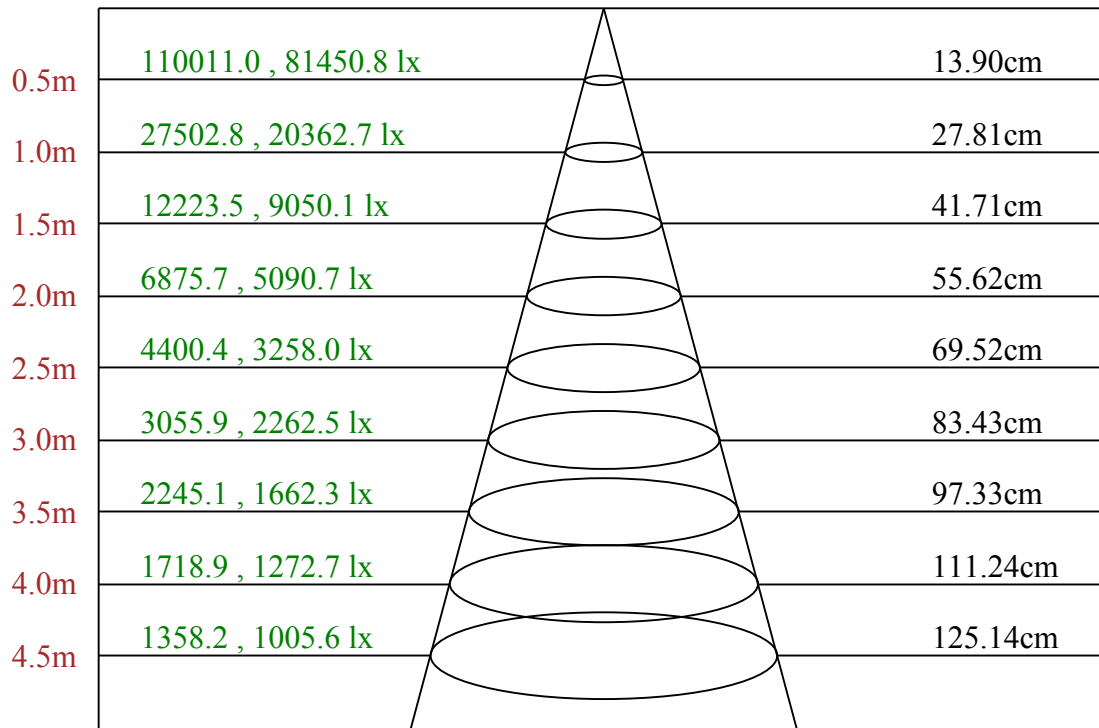
测试设备: GMS1800  
环境温度(°C): 25.0

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

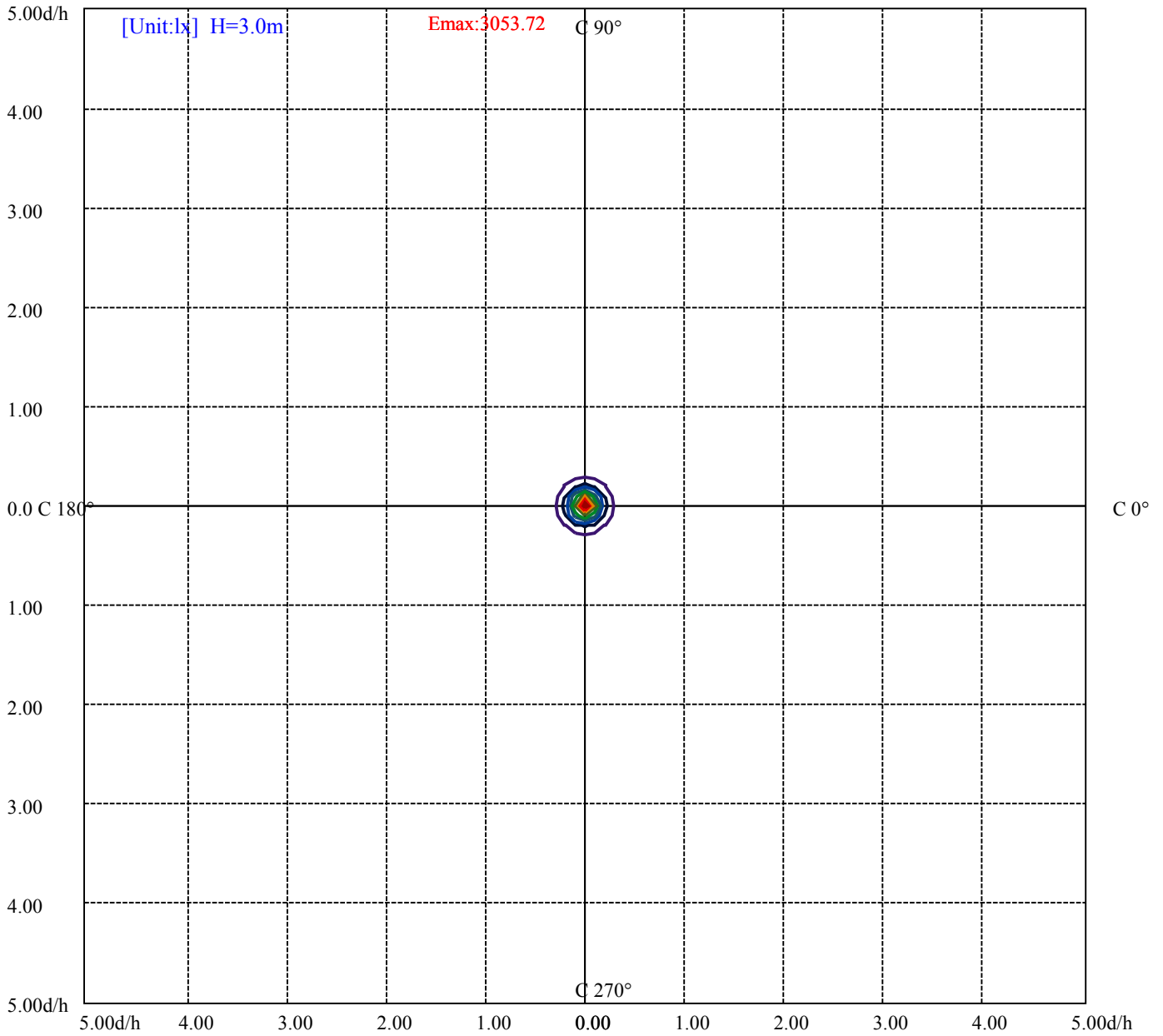


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角15.83

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 305.3722
- (20%Emax) 610.7433
- (30%Emax) 916.1155
- (40%Emax) 1221.489
- (50%Emax) 1526.856
- (60%Emax) 1832.233
- (70%Emax) 2137.6
- (80%Emax) 2442.978
- (90%Emax) 2748.344

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

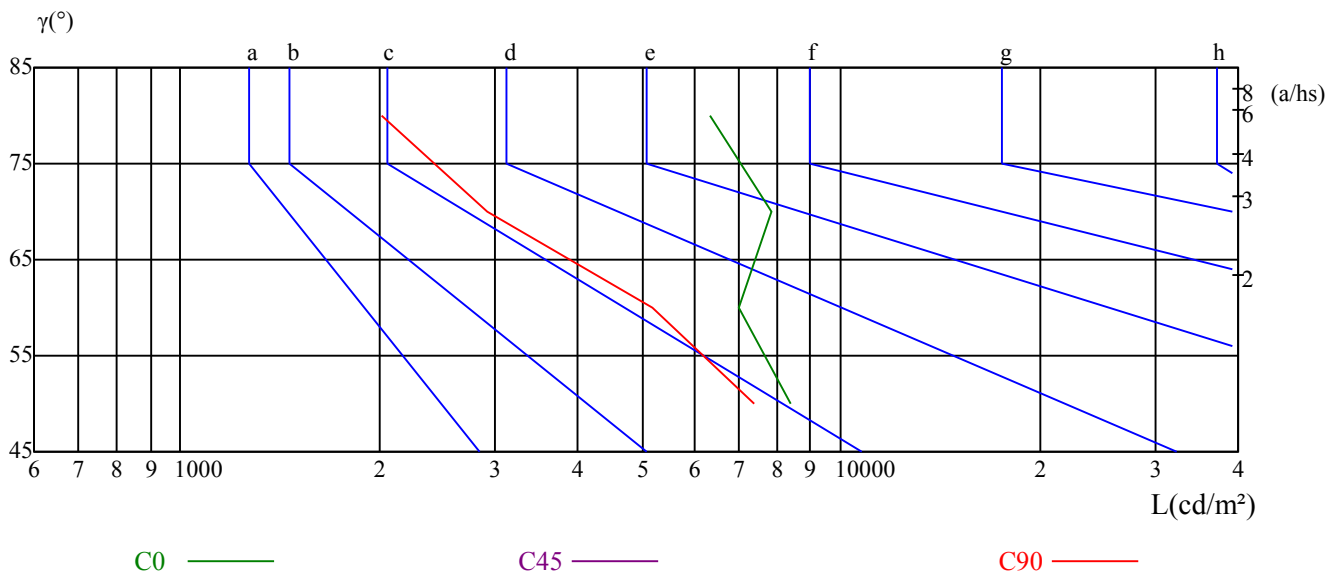
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	8389	0	6990	0	7862	0	6349	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7402	0	5189	0	2910	0	2017	0

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

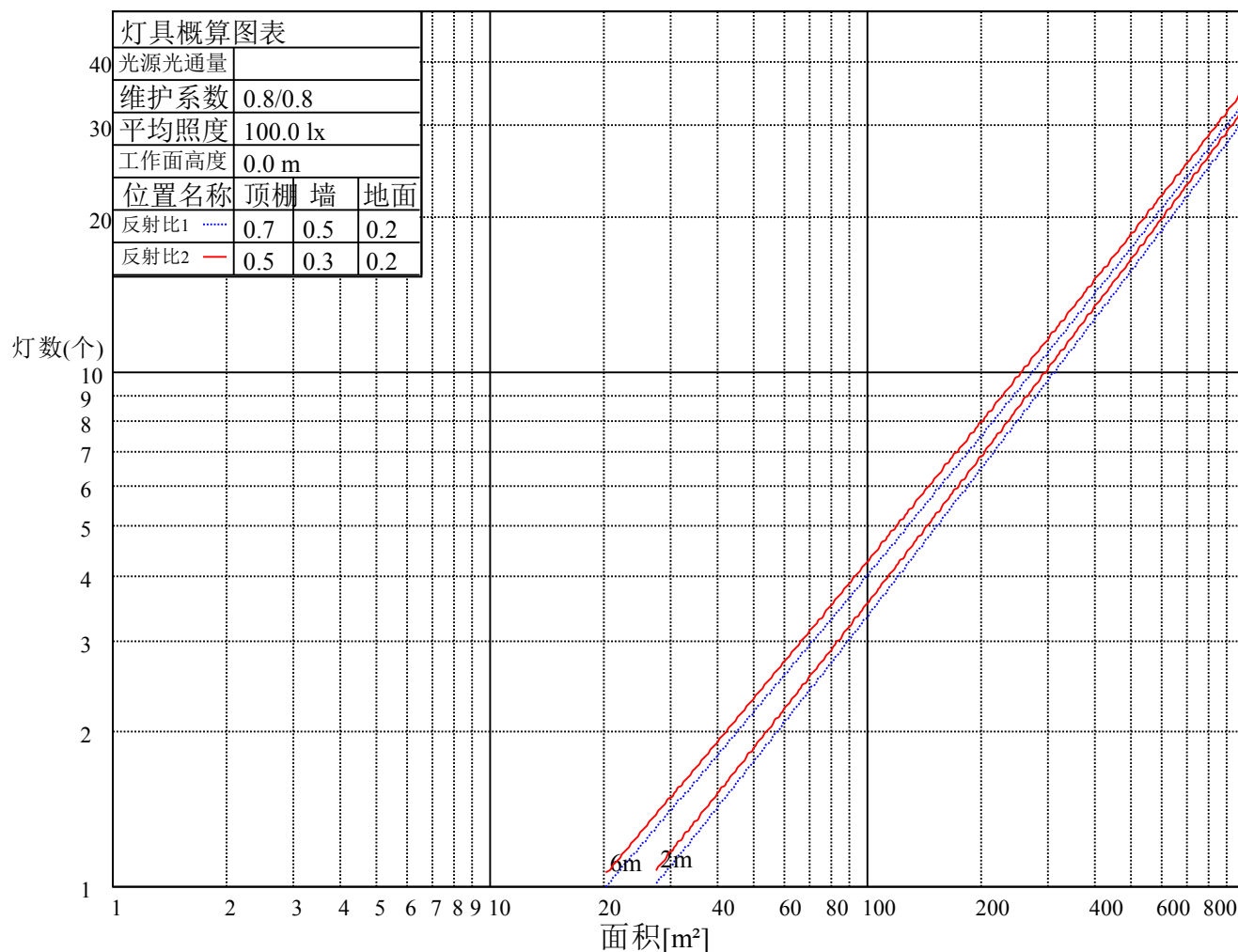
亮度限制曲线



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	8.96	10.02	9.33	10.33	10.65	10.89	11.95	11.26	12.26	12.58
	3H	9.62	10.56	10.00	10.89	11.26	12.63	13.56	13.01	13.89	14.26
	4H	9.88	10.75	10.29	11.10	11.49	13.23	14.10	13.64	14.45	14.84
	6H	10.02	10.81	10.43	11.19	11.58	13.65	14.45	14.07	14.82	15.22
	8H	10.05	10.79	10.48	11.19	11.59	13.78	14.53	14.21	14.92	15.33
	12H	10.12	10.84	10.56	11.22	11.65	13.93	14.64	14.36	15.03	15.46
4H	2H	9.59	10.46	10.00	10.81	11.20	11.16	12.02	11.56	12.38	12.76
	3H	10.32	11.03	10.74	11.44	11.85	13.09	13.80	13.51	14.21	14.62
	4H	10.62	11.25	11.06	11.68	12.13	13.73	14.36	14.17	14.79	15.23
	6H	10.77	11.31	11.24	11.76	12.24	14.14	14.69	14.61	15.14	15.61
	8H	10.82	11.32	11.29	11.77	12.25	14.30	14.80	14.77	15.25	15.73
	12H	10.91	11.35	11.40	11.83	12.31	14.46	14.90	14.95	15.38	15.86
8H	4H	10.82	11.32	11.29	11.77	12.25	13.67	14.18	14.15	14.63	15.10
	6H	11.02	11.42	11.53	11.92	12.41	14.11	14.51	14.62	15.01	15.50
	8H	11.11	11.46	11.64	11.98	12.48	14.29	14.65	14.82	15.17	15.67
	12H	11.78	12.09	12.31	12.59	13.17	15.07	15.38	15.59	15.88	16.46
12H	4H	10.79	11.23	11.29	11.72	12.20	13.62	14.06	14.11	14.55	15.02
	6H	11.34	11.37	11.54	11.84	12.39	14.39	14.42	14.59	14.89	15.44
	8H	11.13	11.44	11.65	11.94	12.52	14.27	14.57	14.79	15.07	15.65
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.6					0.2/-0.5					
S = 1.5H	0.7/-1.4					0.8/-0.9					
S = 2.0H	2.7/-2.5					1.3/-0.8					
标准表格	BK3					BK2					
更正系数	-1.5					-0.1					

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## 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	1.09	1.07	1.09	1.08	1.06	1.05	1.04	1.02	1.02	1.01	0.99	0.98	0.97	0.97	0.95
2	1.05	1.02	0.99	1.04	1.00	0.98	1.00	0.98	0.95	0.97	0.95	0.93	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	0.86	0.84	0.82
5	0.91	0.86	0.83	0.90	0.86	0.82	0.88	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.80	0.79
6	0.88	0.83	0.79	0.87	0.82	0.79	0.85	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.76
7	0.85	0.80	0.76	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.74
8	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.79	0.75	0.73	0.72
9	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.77	0.73	0.71	0.70
10	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.75	0.72	0.69	0.68



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	25530.60	24241.41	20834.26	16559.97	12270.34	8763.43	5993.21	4197.55	2973.58
30.0	27502.76	26321.00	22683.63	17895.21	13076.09	9239.21	6346.20	4374.04	3127.82
60.0	27464.39	25845.22	22146.47	16345.11	12270.34	8437.30	5888.08	4070.93	2933.68
90.0	27441.37	26512.84	22959.89	18056.36	13037.72	9116.43	6215.75	4389.39	3104.04
120.0	27472.06	26321.00	22660.61	17757.08	12941.80	8910.00	6107.55	4310.35	3067.20
150.0	25845.22	25162.26	22023.69	17549.89	13076.09	9047.36	6307.83	4358.70	3129.36
180.0	25530.60	24287.45	20841.93	15281.53	11926.56	8385.12	5737.67	4021.05	2799.39
210.0	27502.76	26029.39	22384.36	17419.44	12525.88	8682.09	5855.85	4017.21	2797.85
240.0	27464.39	26213.56	22714.33	17634.30	12730.77	8640.65	5847.41	4021.05	2877.66
270.0	27441.37	25676.40	21540.24	15176.40	11819.13	7911.65	5313.31	3743.26	2645.15
300.0	27472.06	25960.33	22108.10	17288.98	12500.56	8517.87	5709.28	4028.72	2844.66
330.0	25845.22	23980.50	20350.81	15283.83	11560.52	7946.18	5459.11	3871.41	2731.09
360.0	25530.60	24241.41	20834.26	16559.97	12270.34	8763.43	5993.21	4197.55	2973.58
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2164.00	1604.58	1230.87	956.15	771.98	636.92	543.30	471.17	413.62
30.0	2235.37	1640.65	1201.71	936.20	738.22	603.16	501.86	426.66	388.29
60.0	2101.08	1531.22	1152.91	906.19	715.96	584.97	495.42	424.05	371.79
90.0	2261.46	1627.60	1215.52	940.80	740.52	607.76	508.77	438.94	389.83
120.0	2210.04	1519.48	1229.64	950.09	754.94	611.98	510.54	433.80	378.16
150.0	2216.95	1639.88	1229.34	962.29	773.52	627.71	531.79	464.26	415.15
180.0	2047.36	1508.12	1151.60	898.21	716.88	593.87	500.94	429.88	376.32
210.0	2040.45	1497.15	1134.18	880.95	707.06	586.20	509.15	447.07	392.28
240.0	2036.62	1494.08	1138.79	910.11	740.52	610.83	520.28	450.45	396.73
270.0	1945.30	1452.57	1111.24	881.64	719.72	596.17	509.31	444.62	389.29
300.0	2015.13	1498.69	1128.81	882.48	696.01	573.23	478.08	413.62	360.36
330.0	1975.23	1491.40	1127.58	886.47	721.72	593.64	504.93	439.02	391.59
360.0	2164.00	1604.58	1230.87	956.15	771.98	636.92	543.30	471.17	413.62
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	378.62	334.12	302.65	276.18	254.46	233.74	216.32	200.82	186.86
30.0	329.66	294.06	265.51	243.87	225.38	210.57	197.52	185.94	176.04
60.0	326.98	294.14	265.97	244.95	226.76	211.18	197.14	182.56	168.90
90.0	343.86	309.25	281.01	257.30	235.05	214.94	194.99	177.19	159.54
120.0	332.96	296.74	269.04	245.71	227.53	210.49	195.91	180.95	167.52
150.0	389.06	350.46	320.00	294.21	272.96	253.69	237.20	220.24	206.58
180.0	336.19	301.50	273.11	250.39	229.68	211.80	196.14	183.10	171.36
210.0	350.84	314.70	284.85	262.52	242.64	224.92	210.11	197.29	185.78
240.0	352.53	316.62	286.08	262.29	241.34	208.34	189.16	173.96	159.61
270.0	347.77	310.10	275.33	230.06	206.58	187.78	170.20	155.47	141.66
300.0	317.23	285.77	258.07	235.51	217.78	202.51	186.63	172.74	158.62
330.0	355.83	327.82	305.42	285.85	267.35	246.71	230.52	214.64	200.90
360.0	378.62	334.12	302.65	276.18	254.46	233.74	216.32	200.82	186.86
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	175.35	158.62	140.97	130.15	123.24	117.56	114.11	108.58	100.14
30.0	167.59	161.23	155.62	146.49	134.14	123.09	112.57	100.45	86.79
60.0	155.78	143.12	128.15	111.19	94.31	81.27	68.37	55.63	43.13
90.0	143.96	127.00	110.12	96.61	83.41	70.29	57.48	45.66	37.06
120.0	153.94	140.35	125.77	107.82	90.32	76.89	64.69	51.72	38.98
150.0	193.76	182.87	172.66	160.38	135.06	121.48	110.04	97.38	84.10
180.0	161.99	146.49	134.75	126.62	118.71	111.50	103.60	95.54	86.71
210.0	176.27	166.83	157.54	144.96	130.68	119.56	108.20	96.31	81.73
240.0	145.80	133.60	119.40	102.67	86.41	73.44	61.24	49.73	38.45
270.0	128.15	112.04	96.61	84.56	72.44	60.55	49.34	39.90	33.69
300.0	145.19	133.06	117.72	102.29	86.18	74.51	62.39	50.65	39.37
330.0	188.16	176.88	167.36	147.26	127.84	116.41	105.97	94.46	80.80
360.0	175.35	158.62	140.97	130.15	123.24	117.56	114.11	108.58	100.14

# 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	90.32	79.35	65.61	50.80	41.05	30.39	20.34	10.97	3.45
30.0	68.83	48.65	34.30	21.56	14.43	11.28	6.68	3.91	2.38
60.0	32.15	27.93	25.48	19.03	13.05	8.36	7.67	5.53	2.23
90.0	34.15	32.15	26.24	19.26	13.05	10.74	9.52	6.37	2.69
120.0	29.31	25.78	23.56	18.11	12.51	7.98	6.98	4.53	2.00
150.0	64.00	41.21	28.55	17.27	10.21	7.98	5.29	3.45	2.30
180.0	77.58	68.07	58.63	48.42	38.98	29.47	19.64	10.21	3.22
210.0	63.69	42.82	30.00	18.57	12.74	10.67	6.75	3.99	2.76
240.0	28.47	25.78	23.79	20.26	14.43	9.36	8.29	6.68	3.22
270.0	31.77	30.39	25.55	19.11	13.28	11.13	10.05	6.98	2.92
300.0	29.39	26.09	23.71	19.64	13.74	8.52	7.90	6.14	2.92
330.0	63.23	46.20	34.38	22.79	16.65	12.28	7.14	4.14	2.61
360.0	90.32	79.35	65.61	50.80	41.05	30.39	20.34	10.97	3.45

C/γ(°)	90.0
0.0	0.31
30.0	0.15
60.0	0.15
90.0	0.08
120.0	0.00
150.0	0.23
180.0	0.77
210.0	0.31
240.0	0.15
270.0	0.08
300.0	0.08
330.0	0.23
360.0	0.31