

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3833S6--24-36DC(3020-OD-24WN-AA.L1000.C.CT)

报告编号:

电压(V): 35.9000

测试编号: 20210406002

电流(A): 0.6520

光源规格型号: OD

功率(W): 23.4000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 24

镇流器型号:

发光面长度(mm): 995

发光面宽度(mm): 20

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): 2076.48

灯具效能(lm/w): 88.74

中心光强(cd): 6142.845

最大光强(cd): 6512.721

最大光强角度:  $C=270.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=30.1

[C90/270]Total=21.2

光束扩散角(10%Imax): [C0/180]Total=59.6

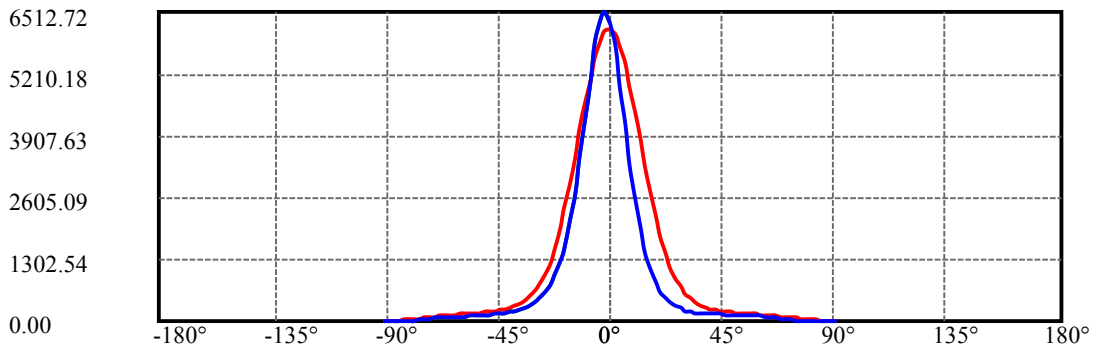
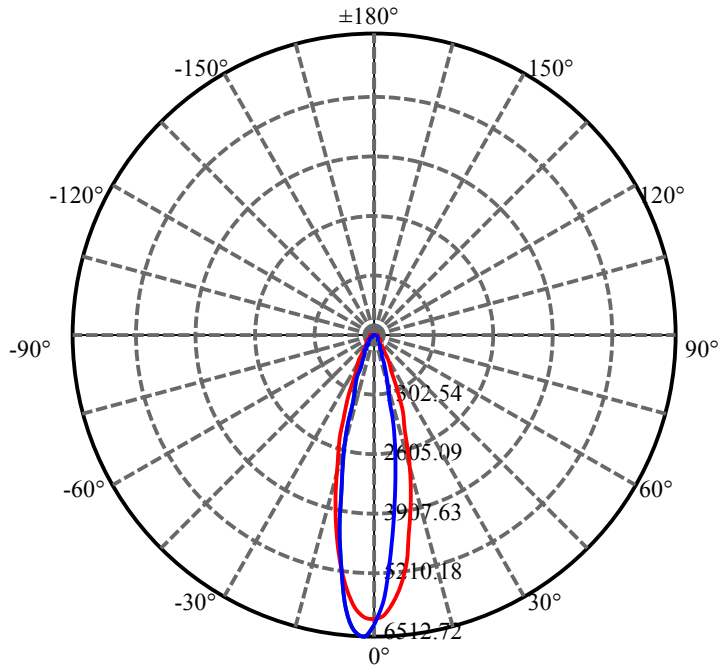
[C90/270]Total=45.5

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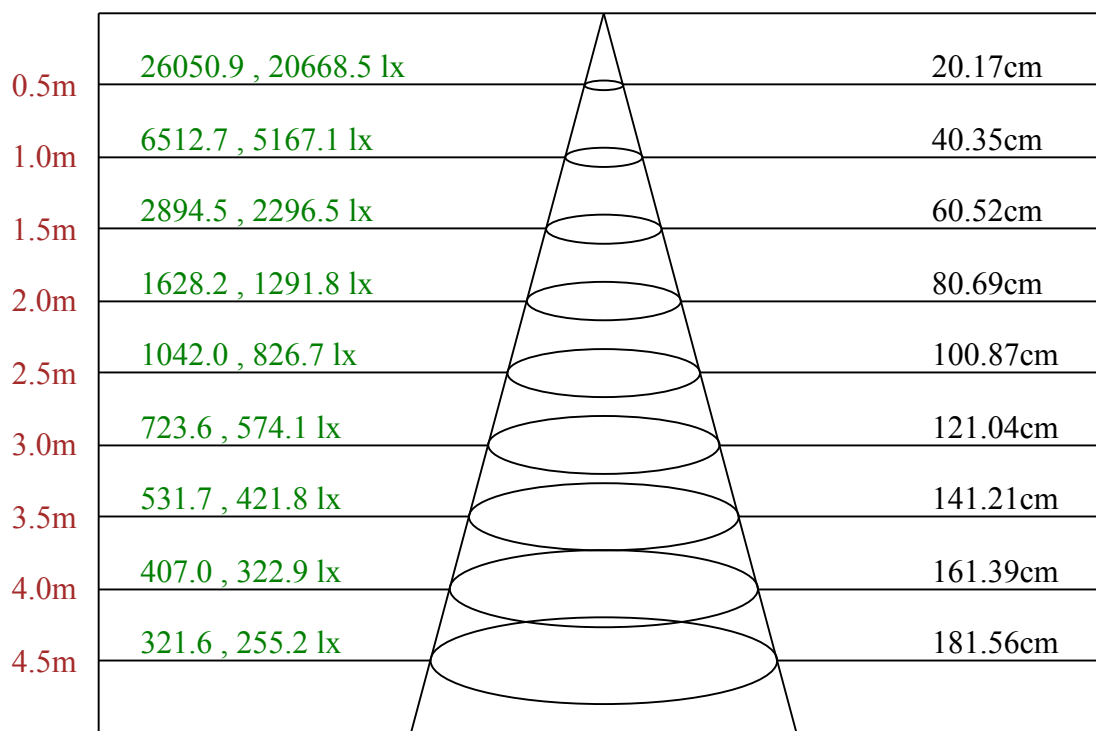
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/6  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

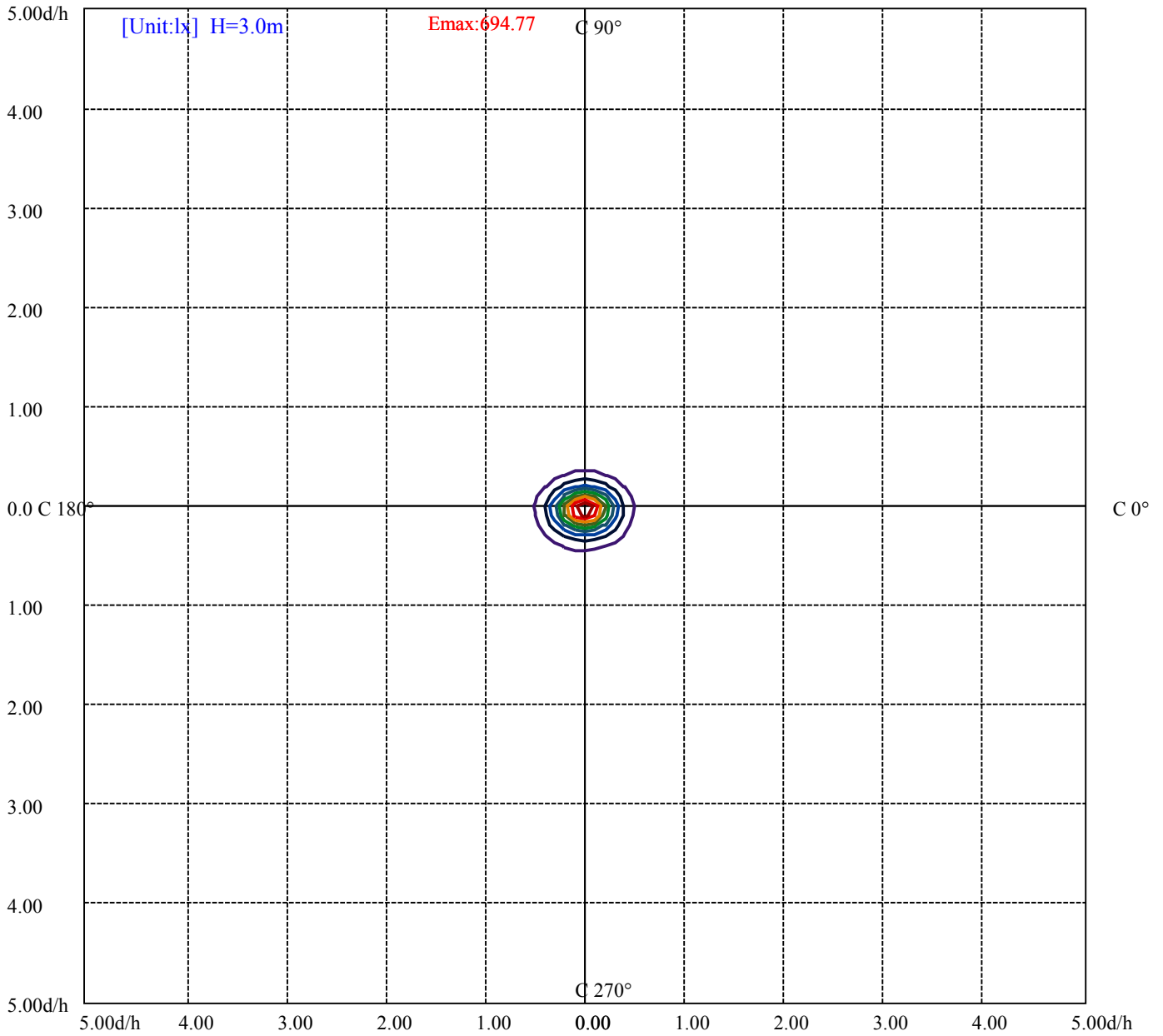


C270(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C270面光束角22.78

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 69.47701
- (20%Emax) 138.9544
- (30%Emax) 208.4311
- (40%Emax) 277.9078
- (50%Emax) 347.3844
- (60%Emax) 416.8622
- (70%Emax) 486.3389
- (80%Emax) 555.8156
- (90%Emax) 625.2933

# 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

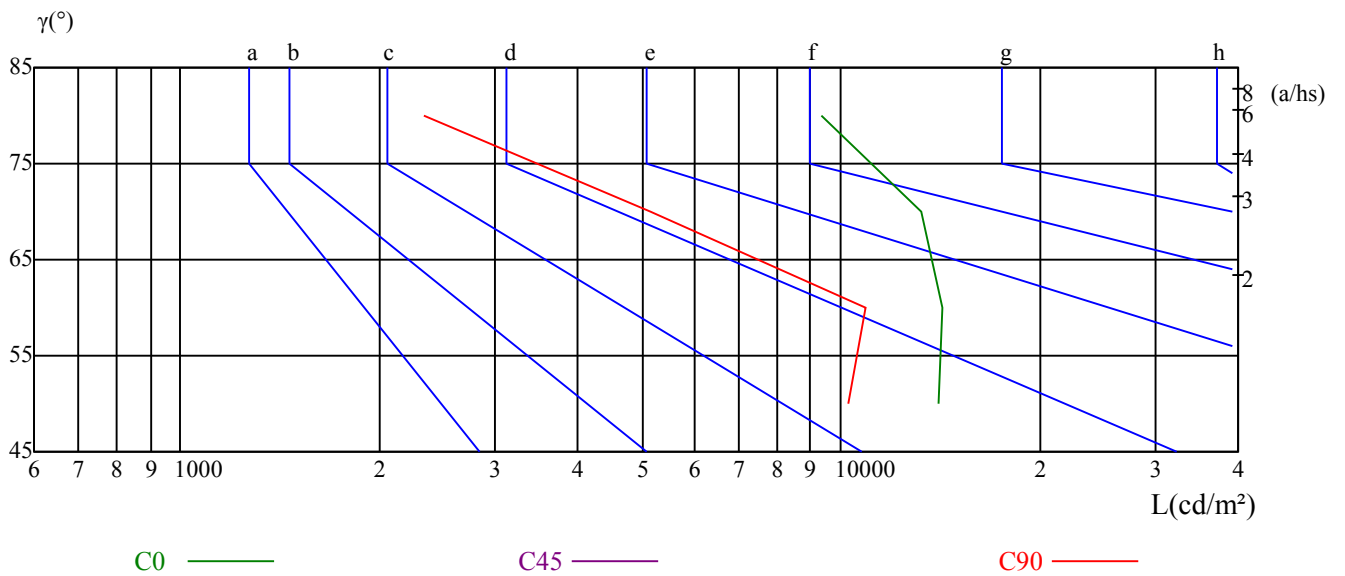
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	14092	0	14222	0	13236	0	9371	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10271	0	10905	0	5164	0	2332	0

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



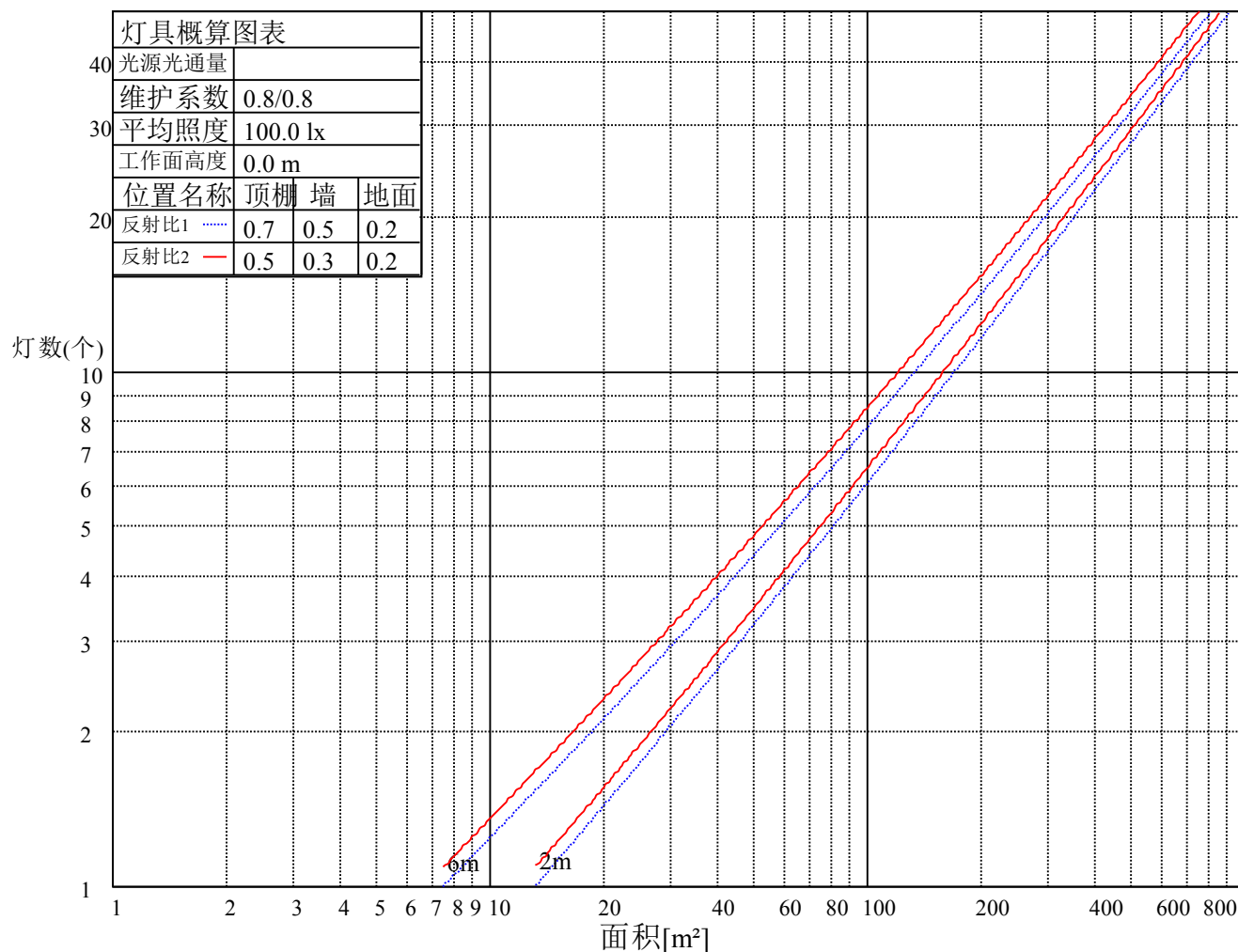
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/6  
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	14.61	15.79	14.98	16.10	16.41	16.35	17.53	16.72	17.84	18.15
	3H	16.17	17.21	16.55	17.54	17.91	18.28	19.33	18.66	19.66	20.02
	4H	16.39	17.36	16.79	17.71	18.10	18.94	19.91	19.35	20.27	20.65
	6H	16.44	17.33	16.86	17.71	18.10	19.35	20.24	19.76	20.61	21.01
	8H	16.44	17.28	16.87	17.67	18.08	19.46	20.31	19.90	20.70	21.10
	12H	16.45	17.25	16.88	17.64	18.07	19.61	20.42	20.05	20.80	21.23
4H	2H	15.49	16.47	15.90	16.82	17.20	16.82	17.80	17.23	18.15	18.53
	3H	17.23	18.03	17.64	18.44	18.84	18.94	19.75	19.36	20.15	20.56
	4H	17.50	18.22	17.94	18.64	19.08	19.71	20.43	20.15	20.85	21.30
	6H	17.57	18.19	18.04	18.64	19.11	20.14	20.76	20.61	21.21	21.68
	8H	17.57	18.14	18.04	18.59	19.06	20.29	20.86	20.76	21.31	21.78
	12H	17.57	18.08	18.06	18.56	19.04	20.45	20.95	20.94	21.44	21.91
8H	4H	17.81	18.38	18.28	18.83	19.30	19.80	20.38	20.28	20.83	21.30
	6H	17.92	18.38	18.42	18.88	19.36	20.34	20.80	20.84	21.30	21.78
	8H	17.93	18.34	18.46	18.86	19.35	20.54	20.95	21.07	21.47	21.96
	12H	18.69	19.04	19.21	19.54	20.11	21.26	21.61	21.78	22.11	22.69
12H	4H	17.83	18.33	18.31	18.81	19.29	19.76	20.27	20.25	20.75	21.23
	6H	18.41	18.37	18.49	18.84	19.38	20.76	20.72	20.84	21.19	21.73
	8H	18.00	18.35	18.52	18.85	19.43	20.54	20.89	21.06	21.39	21.97
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.4					0.2/-0.6					
S = 1.5H	1.1/-0.5					0.7/-0.5					
S = 2.0H	1.5/-1.5					1.3/-0.7					
标准表格	BK3					BK3					
更正系数	1.9					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	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.92
2	1.02	0.97	0.94	1.00	0.96	0.92	0.97	0.93	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.85
3	0.95	0.89	0.85	0.93	0.88	0.84	0.91	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.79
4	0.89	0.83	0.79	0.88	0.82	0.78	0.85	0.81	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.74
5	0.84	0.78	0.73	0.83	0.77	0.73	0.81	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.70
6	0.79	0.73	0.69	0.78	0.73	0.69	0.77	0.72	0.68	0.76	0.71	0.68	0.74	0.70	0.67	0.66
7	0.75	0.69	0.65	0.75	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.63
8	0.72	0.66	0.62	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.60
9	0.69	0.63	0.60	0.68	0.63	0.59	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.58
10	0.66	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.55



# 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	6142.84	6043.85	5792.15	5429.95	4952.64	4390.93	3806.95	3260.58	2697.33
30.0	6275.60	5967.12	5518.20	4932.69	4287.33	3616.64	3011.18	2434.12	1952.20
60.0	6230.33	5733.83	4981.80	4238.99	3439.38	2735.70	2113.35	1522.09	1230.87
90.0	6276.37	5725.39	4952.64	4139.23	3302.02	2573.01	1939.93	1450.34	1075.86
120.0	6185.82	5669.37	4967.99	4237.45	3450.89	2754.88	2134.84	1523.55	1234.48
150.0	5781.41	5552.73	5125.30	4572.03	4021.82	3434.01	2841.59	2317.48	1875.47
180.0	6142.84	6092.20	5889.61	5558.87	5105.35	4599.65	4027.19	3461.63	2887.64
210.0	6275.60	6386.10	6290.18	5987.83	5502.09	4886.65	4250.50	3557.56	2931.38
240.0	6230.33	6492.00	6432.15	6046.16	5406.16	4649.53	3829.97	3076.41	2402.65
270.0	6276.37	6512.72	6370.76	5863.52	5090.01	4255.10	3422.50	2710.37	2084.19
300.0	6185.82	6435.98	6370.76	5982.46	5383.14	4592.75	3777.79	3028.83	2395.75
330.0	5781.41	5828.99	5746.88	5483.67	5061.61	4484.55	3915.92	3310.46	2725.72
360.0	6142.84	6043.85	5792.15	5429.95	4952.64	4390.93	3806.95	3260.58	2697.33
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2197.00	1786.45	1411.20	1115.00	882.48	708.29	571.70	474.24	393.66
30.0	1527.85	1191.73	923.92	732.08	577.83	463.50	390.59	322.76	279.25
60.0	932.75	710.74	548.98	438.94	353.68	294.90	250.70	218.63	194.99
90.0	818.02	622.34	479.61	388.29	313.09	263.13	220.47	193.92	176.11
120.0	938.04	724.17	558.65	445.92	358.44	298.28	251.32	220.16	195.76
150.0	1477.97	1154.90	915.48	719.80	574.00	465.80	390.59	321.76	274.95
180.0	2373.49	1936.09	1515.11	1230.79	973.80	781.65	627.79	515.91	427.43
210.0	2358.91	1860.12	1482.34	1163.57	911.03	719.72	584.20	473.78	395.35
240.0	1890.05	1465.69	1142.62	887.85	699.08	552.51	450.45	388.29	310.33
270.0	1510.50	1238.24	966.59	755.33	593.34	478.77	389.98	325.14	271.42
300.0	1855.52	1435.76	1116.53	867.13	682.96	538.70	439.71	376.01	303.27
330.0	2232.30	1771.87	1414.58	1097.50	868.59	685.11	556.04	451.37	373.79
360.0	2197.00	1786.45	1411.20	1115.00	882.48	708.29	571.70	474.24	393.66
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	337.34	293.37	260.68	235.35	216.25	201.74	190.08	180.26	169.67
30.0	245.25	220.70	202.82	190.31	180.72	173.27	167.44	162.30	157.39
60.0	178.41	167.52	159.38	153.86	149.02	144.57	140.20	136.06	131.76
90.0	165.06	156.77	150.64	146.11	142.19	138.59	134.90	131.37	127.61
120.0	178.49	166.90	158.08	151.86	146.49	142.73	139.51	136.67	133.45
150.0	241.65	218.55	200.05	187.47	174.81	166.06	163.37	160.38	158.00
180.0	361.59	311.17	274.87	245.87	223.54	206.73	193.69	183.17	174.19
210.0	334.58	287.84	253.23	227.76	208.50	193.38	182.33	172.74	164.83
240.0	267.35	232.90	205.81	186.01	170.74	156.93	146.19	136.82	128.69
270.0	235.58	206.35	184.09	167.83	153.71	142.81	133.22	124.93	117.49
300.0	261.60	228.22	202.13	182.94	168.52	155.93	146.65	138.66	131.53
330.0	319.69	275.79	243.26	219.32	201.67	187.62	177.26	168.98	161.84
360.0	337.34	293.37	260.68	235.35	216.25	201.74	190.08	180.26	169.67
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	162.38	155.16	148.33	141.50	131.07	120.63	108.58	99.68	90.09
30.0	152.09	146.11	138.36	129.53	120.40	109.96	99.68	88.17	77.81
60.0	127.38	122.70	117.26	111.19	104.36	97.15	87.86	77.58	63.85
90.0	123.39	119.02	113.96	108.51	100.37	89.78	72.90	53.33	35.15
120.0	129.84	125.93	120.94	114.95	108.51	101.29	92.09	81.50	66.99
150.0	153.32	144.88	140.28	133.37	123.85	111.73	100.14	92.24	81.50
180.0	163.91	155.55	147.72	142.96	134.83	125.31	114.95	102.83	92.47
210.0	158.08	151.94	145.49	138.51	130.61	121.32	111.65	100.22	88.25
240.0	122.24	116.49	110.89	105.97	101.06	95.92	90.47	83.03	76.81
270.0	111.58	105.67	100.30	94.31	90.47	85.64	78.89	72.06	62.08
300.0	125.70	120.55	114.95	109.66	104.44	99.38	94.08	87.17	79.73
330.0	155.85	149.72	143.88	137.05	128.84	118.56	108.20	97.61	86.71
360.0	162.38	155.16	148.33	141.50	131.07	120.63	108.58	99.68	90.09

# 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	78.89	67.07	53.33	42.28	32.38	26.24	19.64	13.12	4.99
30.0	66.76	56.40	44.89	34.61	26.24	13.58	5.83	2.23	1.23
60.0	42.82	25.25	17.11	12.66	8.75	5.37	3.22	2.69	0.38
90.0	22.94	17.42	13.74	10.90	8.06	5.29	3.99	2.92	0.31
120.0	41.36	23.02	16.04	12.12	8.21	4.99	2.84	2.46	0.46
150.0	68.60	59.47	47.81	36.53	27.17	14.20	5.99	2.30	1.46
180.0	83.26	69.68	56.25	42.74	33.46	25.32	18.34	11.13	4.68
210.0	75.59	64.31	53.41	42.21	32.84	24.33	10.21	4.37	1.69
240.0	69.52	58.63	40.90	23.25	16.19	11.43	7.67	4.45	3.61
270.0	47.65	32.38	21.49	17.42	13.81	10.97	8.21	5.45	4.76
300.0	71.67	59.70	39.90	22.87	15.96	11.13	7.37	4.22	3.45
330.0	76.12	64.92	54.25	42.74	32.84	24.63	10.05	4.53	1.92
360.0	78.89	67.07	53.33	42.28	32.38	26.24	19.64	13.12	4.99
C/γ(°)	90.0								
0.0	0.46								
30.0	0.31								
60.0	0.23								
90.0	0.15								
120.0	0.15								
150.0	0.38								
180.0	0.46								
210.0	0.84								
240.0	1.76								
270.0	2.30								
300.0	1.61								
330.0	1.07								
360.0	0.46								