

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3623A-24-24DC(30-OL-24WN-AA,L1000mm, C,CT)

报告编号:

电压(V): 24.1000

测试编号: 20210425004

电流(A): 1.0410

光源规格型号: OL

功率(W): 25.1000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 24

镇流器型号:

发光面长度(mm): 990

发光面宽度(mm): 35

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): 2488.52

灯具效能(lm/w): 99.14

中心光强(cd): 6894.106

最大光强(cd): 6970.077

最大光强角度: C=240.0  $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=28.4

[C90/270]Total=28.0

光束扩散角(10%Imax): [C0/180]Total=56.2

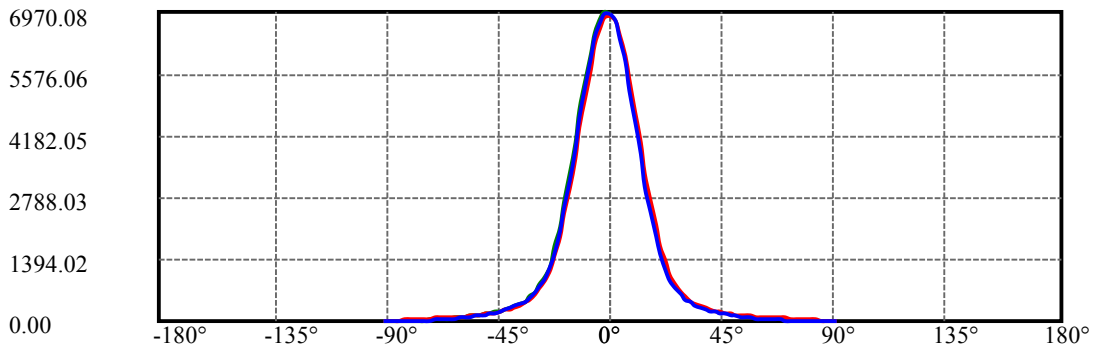
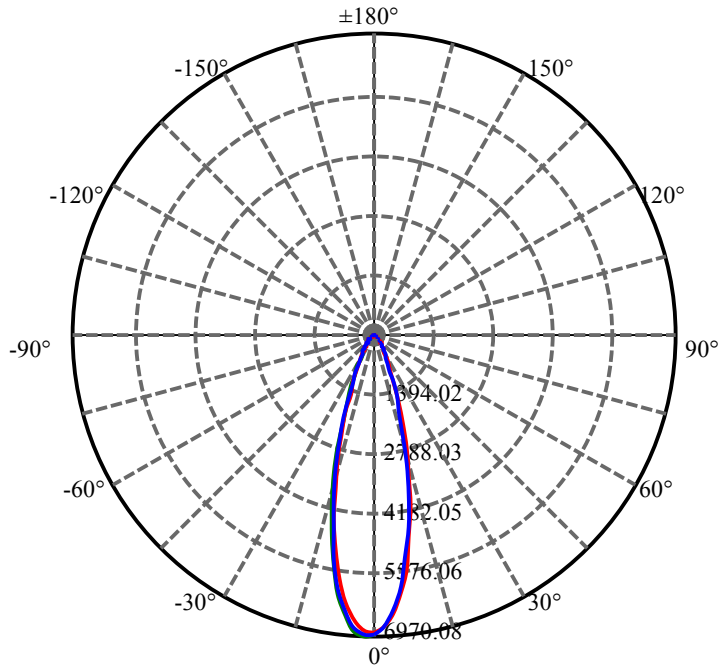
[C90/270]Total=55.7

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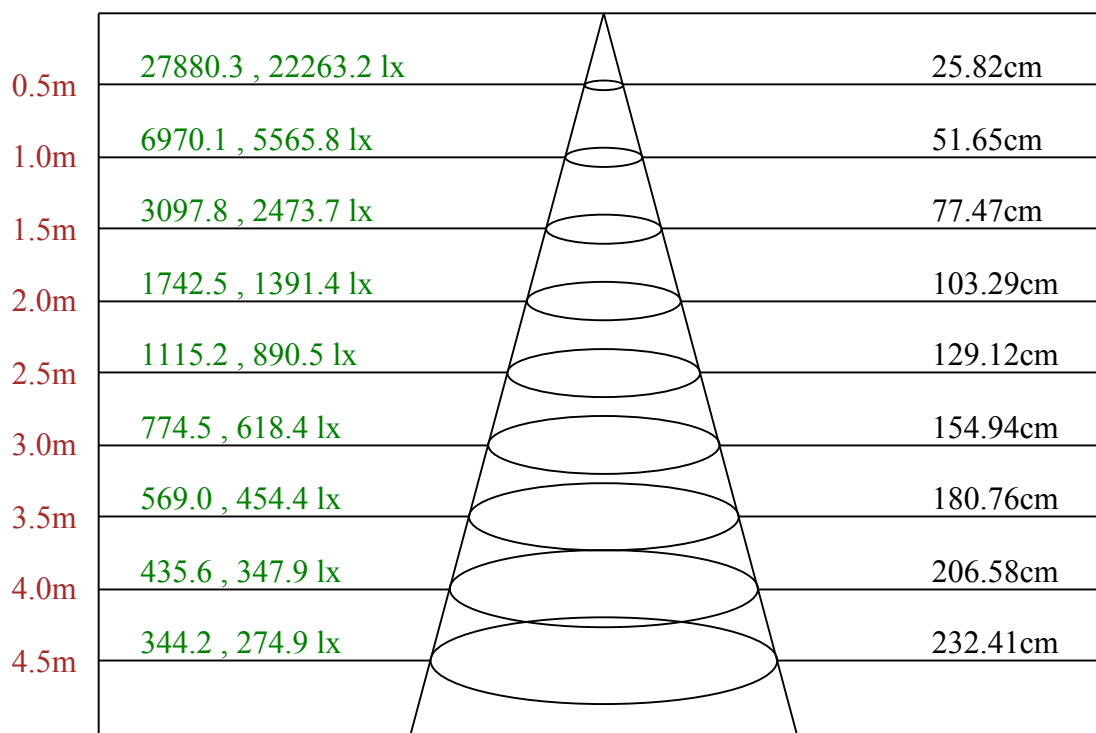
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/25  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

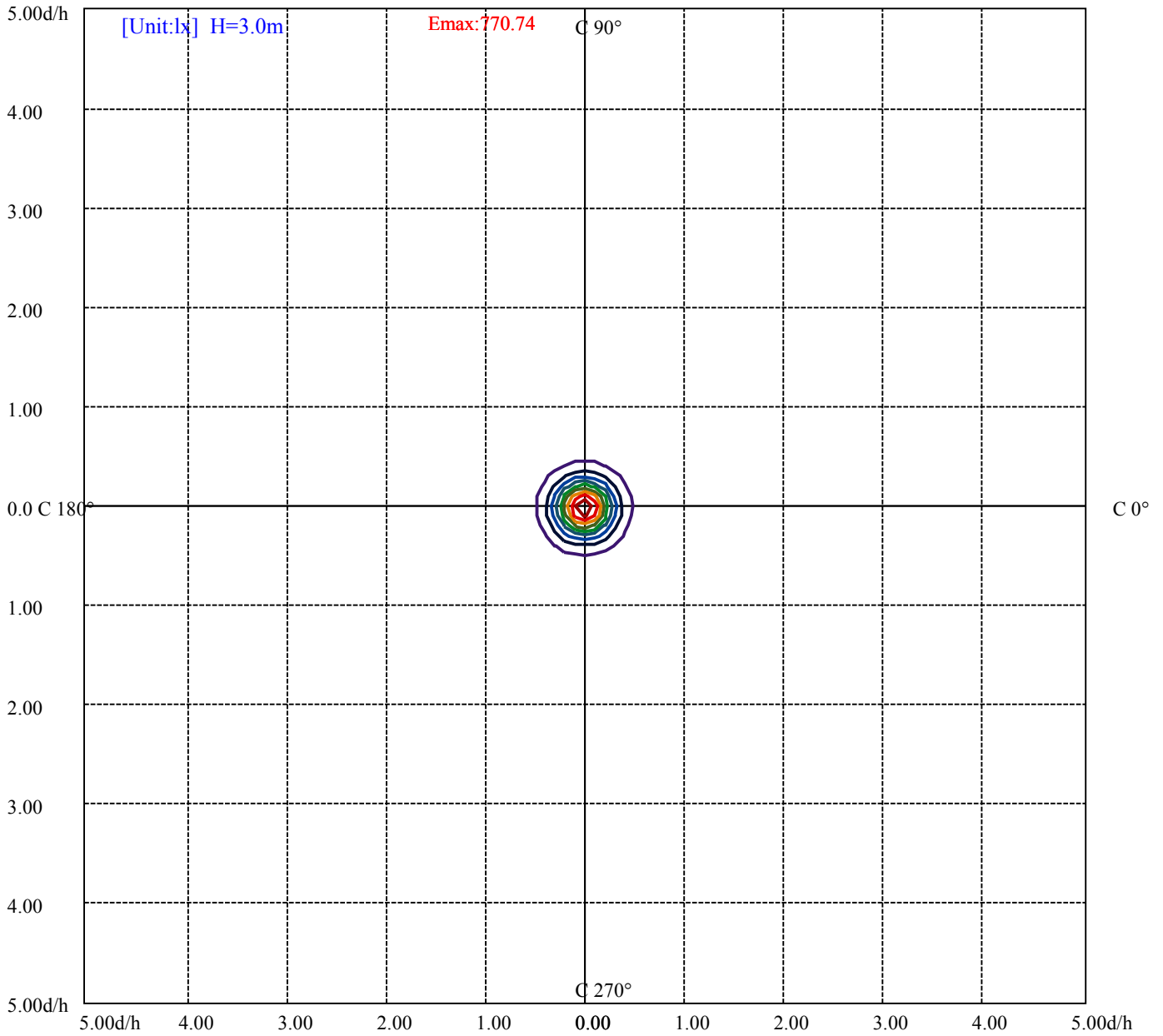


C240(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave    C240面光束角28.94

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 77.07423
- (20%Emax) 154.1489
- (30%Emax) 231.2222
- (40%Emax) 308.2967
- (50%Emax) 385.3711
- (60%Emax) 462.4455
- (70%Emax) 539.5189
- (80%Emax) 616.5933
- (90%Emax) 693.6677

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

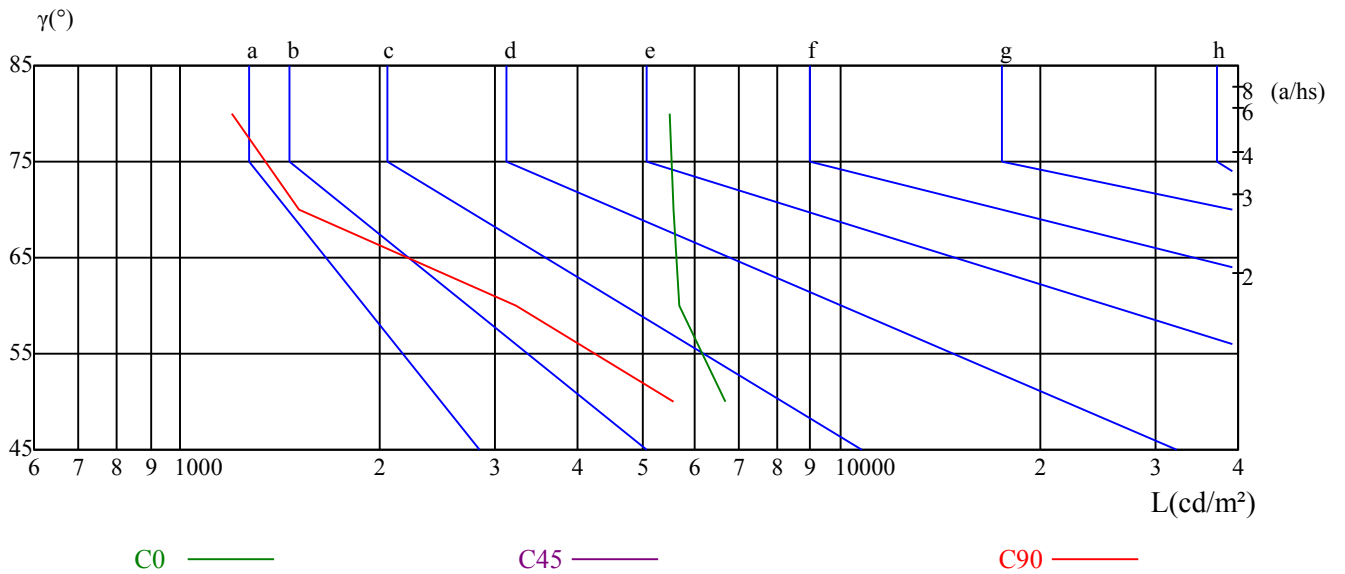
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6677	0	5696	0	5582	0	5497	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5595	0	3220	0	1509	0	1199	0

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

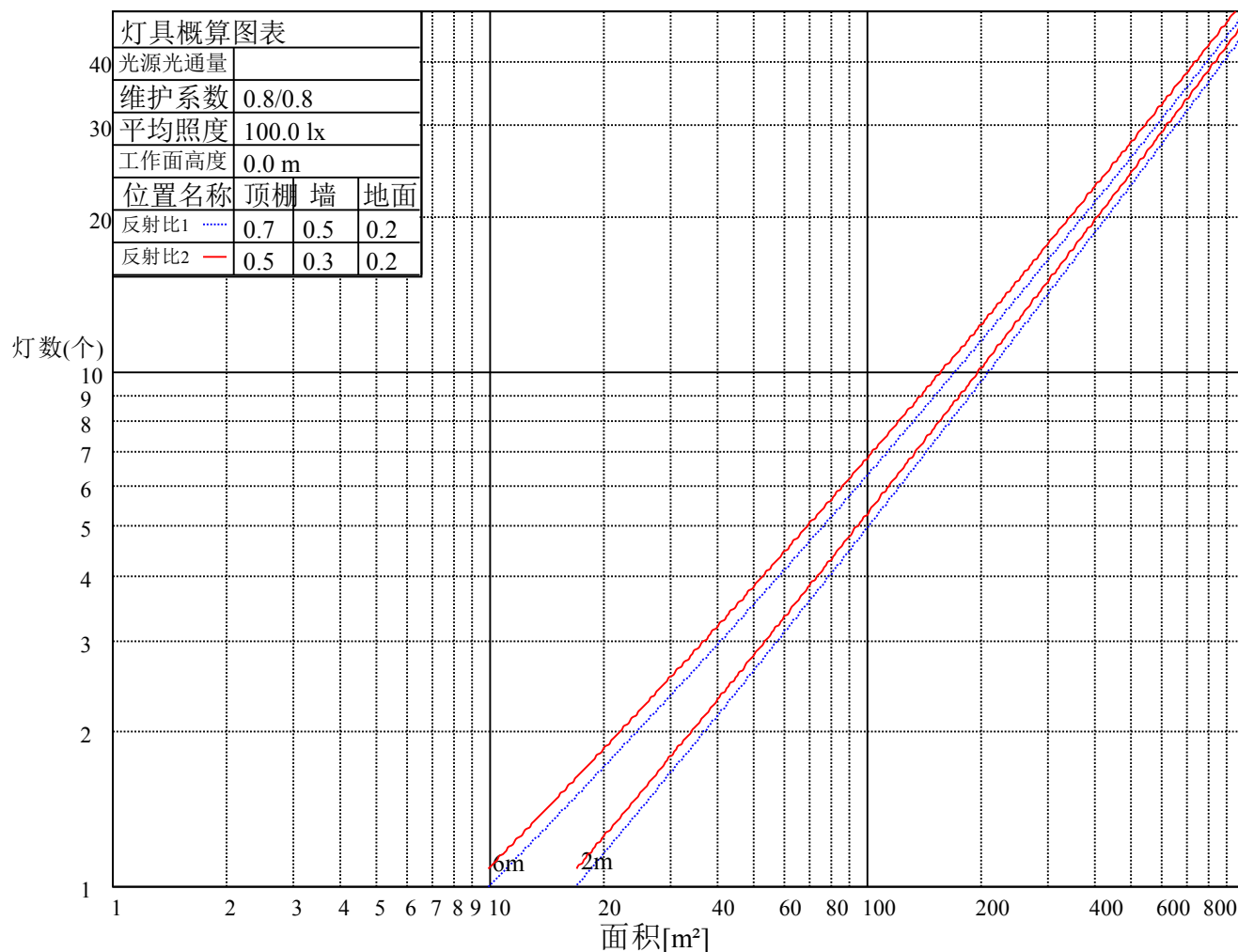
眩光等级表

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



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	9.44	10.52	9.80	10.83	11.15	11.45	12.54	11.82	12.85	13.17
	3H	9.94	10.90	10.32	11.23	11.60	13.17	14.13	13.55	14.46	14.83
	4H	10.06	10.95	10.47	11.31	11.69	13.81	14.71	14.22	15.06	15.45
	6H	10.12	10.94	10.54	11.32	11.71	14.32	15.14	14.74	15.51	15.91
	8H	10.14	10.91	10.58	11.30	11.71	14.51	15.28	14.94	15.67	16.08
	12H	10.21	10.94	10.64	11.33	11.76	14.75	15.48	15.18	15.87	16.30
4H	2H	10.01	10.91	10.42	11.26	11.65	11.68	12.57	12.08	12.92	13.31
	3H	10.58	11.31	11.00	11.72	12.13	13.61	14.34	14.02	14.74	15.15
	4H	10.73	11.38	11.17	11.80	12.25	14.29	14.94	14.73	15.37	15.81
	6H	10.81	11.36	11.27	11.81	12.29	14.79	15.35	15.25	15.79	16.27
	8H	10.84	11.36	11.31	11.81	12.28	15.00	15.52	15.48	15.97	16.45
	12H	10.92	11.37	11.41	11.86	12.33	15.27	15.72	15.76	16.21	16.68
8H	4H	10.93	11.45	11.40	11.90	12.38	14.22	14.74	14.69	15.19	15.66
	6H	11.04	11.46	11.55	11.96	12.44	14.73	15.14	15.23	15.64	16.13
	8H	11.10	11.47	11.63	11.99	12.49	14.98	15.35	15.51	15.87	16.36
	12H	11.77	12.10	12.30	12.59	13.17	15.82	16.14	16.34	16.64	17.22
12H	4H	10.91	11.36	11.40	11.85	12.33	14.17	14.62	14.66	15.11	15.58
	6H	11.39	11.40	11.56	11.87	12.42	15.03	15.04	15.21	15.52	16.06
	8H	11.12	11.44	11.64	11.94	12.52	14.94	15.26	15.46	15.76	16.34
对应照射距离，改变观察者位置S											
S = 1.0H		0.8/-1.4					0.4/-0.6				
S = 1.5H		1.8/-2.5					1.1/-1.0				
S = 2.0H		4.1/-3.9					2.1/-0.9				
标准表格		BK2					BK2				
更正系数		-3.4					-0.6				



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## 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	1.11	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.93
2	1.03	0.99	0.96	1.02	0.98	0.95	0.98	0.95	0.93	0.95	0.93	0.91	0.93	0.91	0.89	0.87
3	0.97	0.92	0.88	0.95	0.91	0.87	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.83	0.82
4	0.91	0.86	0.82	0.90	0.85	0.81	0.88	0.84	0.80	0.86	0.82	0.80	0.84	0.81	0.79	0.77
5	0.86	0.81	0.77	0.85	0.80	0.76	0.84	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.73
6	0.82	0.76	0.72	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.69
7	0.78	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.66
8	0.75	0.69	0.65	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.63
9	0.71	0.66	0.63	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.61
10	0.69	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.58



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	6894.11	6759.82	6452.86	5991.67	5448.37	4727.80	4041.77	3351.13	2728.79
30.0	6950.12	6794.35	6460.54	5980.93	5369.33	4693.27	3958.89	3249.07	2628.26
60.0	6923.27	6689.98	6313.97	5782.18	5112.26	4380.95	3698.75	3001.21	2410.33
90.0	6925.57	6740.63	6366.92	5841.27	5186.69	4489.15	3752.47	3051.09	2447.16
120.0	6901.78	6717.61	6370.76	5865.05	5215.85	4502.19	3826.14	3127.06	2527.74
150.0	6897.94	6818.90	6545.72	6106.78	5558.87	4880.51	4172.22	3503.84	2833.92
180.0	6894.11	6855.74	6633.97	6212.68	5679.35	5027.85	4377.88	3667.29	2990.46
210.0	6950.12	6938.61	6738.33	6354.64	5819.78	5166.74	4504.50	3785.47	3079.48
240.0	6923.27	6970.08	6833.48	6507.35	6030.04	5409.23	4743.15	4034.86	3318.13
270.0	6925.57	6939.38	6754.44	6426.77	5926.44	5281.85	4581.23	3891.36	3173.87
300.0	6901.78	6891.80	6711.47	6357.71	5867.36	5231.97	4559.75	3855.30	3193.82
330.0	6897.94	6796.65	6537.28	6096.80	5568.08	4894.32	4190.64	3515.35	2839.29
360.0	6894.11	6759.82	6452.86	5991.67	5448.37	4727.80	4041.77	3351.13	2728.79
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2153.26	1709.71	1322.96	1030.59	820.32	659.18	545.60	454.29	389.83
30.0	2069.61	1609.95	1248.52	991.45	787.33	636.15	527.95	440.47	388.29
60.0	1891.58	1472.67	1143.62	915.48	734.15	598.48	501.56	421.67	360.05
90.0	1911.53	1497.92	1146.46	913.18	732.08	601.62	496.49	416.69	359.13
120.0	1991.34	1512.81	1205.47	962.29	768.99	625.64	522.43	437.63	372.64
150.0	2248.41	1778.78	1362.09	1077.40	851.79	692.17	564.79	468.10	398.27
180.0	2419.54	1892.35	1474.05	1148.15	913.79	729.93	601.85	497.26	417.53
210.0	2490.14	1952.20	1518.41	1198.33	941.03	747.73	615.21	507.77	424.67
240.0	2691.96	2130.24	1671.34	1275.38	1012.94	804.21	657.64	544.07	454.29
270.0	2573.01	2019.73	1531.07	1237.09	970.81	772.75	629.94	524.96	438.71
300.0	2556.13	2019.73	1586.93	1228.57	969.96	772.75	634.62	525.65	438.94
330.0	2285.25	1790.29	1394.02	1106.10	874.89	700.00	573.23	479.61	402.41
360.0	2153.26	1709.71	1322.96	1030.59	820.32	659.18	545.60	454.29	389.83
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	332.43	289.45	253.00	224.84	200.44	179.34	163.07	148.72	135.75
30.0	325.14	283.16	249.01	222.39	198.90	179.26	163.83	149.79	137.97
60.0	311.71	274.26	241.11	214.48	190.08	169.21	151.63	136.44	120.86
90.0	310.33	270.81	236.97	209.72	185.24	164.14	143.65	124.62	107.05
120.0	322.07	283.01	248.71	221.16	195.99	174.42	156.54	138.43	122.93
150.0	342.33	297.43	260.75	232.21	206.88	185.94	169.44	154.63	142.27
180.0	356.68	310.71	271.27	238.81	213.02	190.00	170.74	154.24	140.20
210.0	365.58	316.24	276.18	244.18	218.47	195.60	177.88	161.99	148.26
240.0	389.83	336.57	295.06	259.83	231.59	204.89	183.71	164.68	146.57
270.0	377.47	325.98	283.16	247.94	218.93	192.38	169.05	148.10	126.77
300.0	389.83	328.82	286.46	252.01	224.46	198.44	177.88	158.92	140.66
330.0	347.39	301.27	263.13	233.13	208.80	187.24	169.82	155.62	142.35
360.0	332.43	289.45	253.00	224.84	200.44	179.34	163.07	148.72	135.75
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	124.85	115.72	106.67	98.68	91.62	84.49	78.12	72.13	66.15
30.0	126.39	117.10	107.74	98.91	90.17	81.57	73.67	65.07	56.25
60.0	105.97	92.01	77.58	64.38	53.72	45.43	36.99	28.70	20.49
90.0	89.17	75.51	64.23	55.79	47.19	38.60	30.62	22.79	17.88
120.0	107.51	93.24	78.50	65.07	54.79	45.89	37.52	29.16	21.03
150.0	130.76	120.48	110.66	101.60	92.39	83.80	74.67	65.84	56.79
180.0	127.77	117.18	108.12	99.68	92.39	85.03	78.96	73.21	67.76
210.0	136.36	126.00	116.18	107.20	98.45	89.40	80.80	72.59	63.62
240.0	129.84	113.49	97.84	82.65	69.68	57.78	48.88	40.75	32.00
270.0	108.43	90.09	75.66	65.30	56.48	48.34	39.90	31.85	24.10
300.0	123.78	108.43	92.32	77.43	65.00	54.33	45.66	37.29	29.31
330.0	131.14	121.25	111.58	102.44	93.16	84.72	76.20	67.84	58.70
360.0	124.85	115.72	106.67	98.68	91.62	84.49	78.12	72.13	66.15

# 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	59.93	53.64	46.96	40.13	33.07	25.63	18.11	10.05	2.99
30.0	44.74	30.23	20.41	12.20	7.06	5.22	3.07	2.53	1.15
60.0	14.50	12.66	10.59	8.06	5.68	5.37	4.53	2.69	0.69
90.0	16.19	14.20	11.51	8.52	7.21	6.91	5.45	3.15	0.92
120.0	14.81	12.97	11.05	8.52	5.99	5.45	4.83	3.15	1.15
150.0	45.35	30.77	21.26	13.35	7.29	5.60	3.61	2.61	1.69
180.0	61.77	54.56	48.11	41.13	33.46	26.63	19.11	11.28	3.99
210.0	54.71	40.90	27.17	18.03	10.28	6.75	4.83	2.69	2.23
240.0	23.40	16.58	14.43	12.35	9.59	6.52	5.60	4.91	3.07
270.0	19.95	18.03	15.81	12.66	8.90	7.67	7.21	5.60	3.07
300.0	20.95	15.81	13.89	11.82	8.90	6.06	5.60	4.68	2.61
330.0	48.11	32.00	22.64	14.27	7.83	6.06	3.91	2.69	1.76
360.0	59.93	53.64	46.96	40.13	33.07	25.63	18.11	10.05	2.99
C/γ(°)	90.0								
0.0	0.08								
30.0	0.08								
60.0	0.08								
90.0	0.08								
120.0	0.08								
150.0	0.15								
180.0	0.23								
210.0	0.84								
240.0	0.92								
270.0	0.92								
300.0	0.61								
330.0	0.23								
360.0	0.08								