

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(5015-OL-24WN-AA,L1000mm, C,CT)

报告编号:

电压(V): 24.0000

测试编号: 20210426003

电流(A): 1.0460

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): 2517.28

灯具效能(lm/w): 100.29

中心光强(cd): 5947.164

最大光强(cd): 7793.471

最大光强角度: C=240.0  $\gamma$ =4.0

半峰边角(50%Imax): [C0/180]Total=53.1

[C90/270]Total=14.4

光束扩散角(10%Imax): [C0/180]Total=81.0

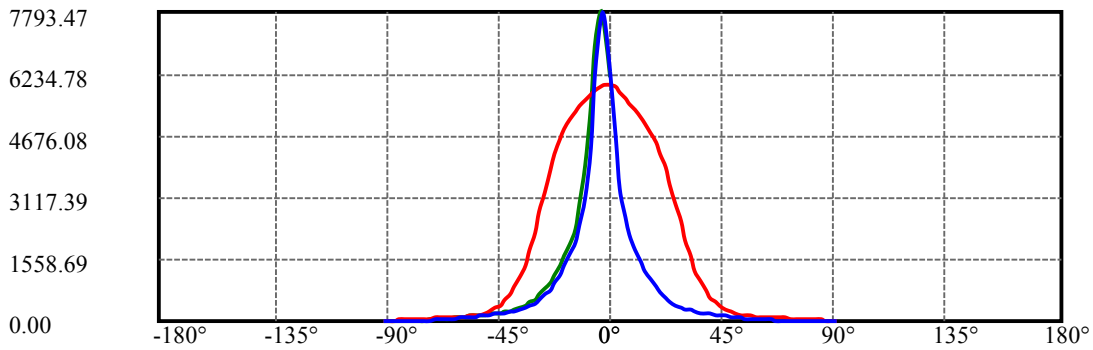
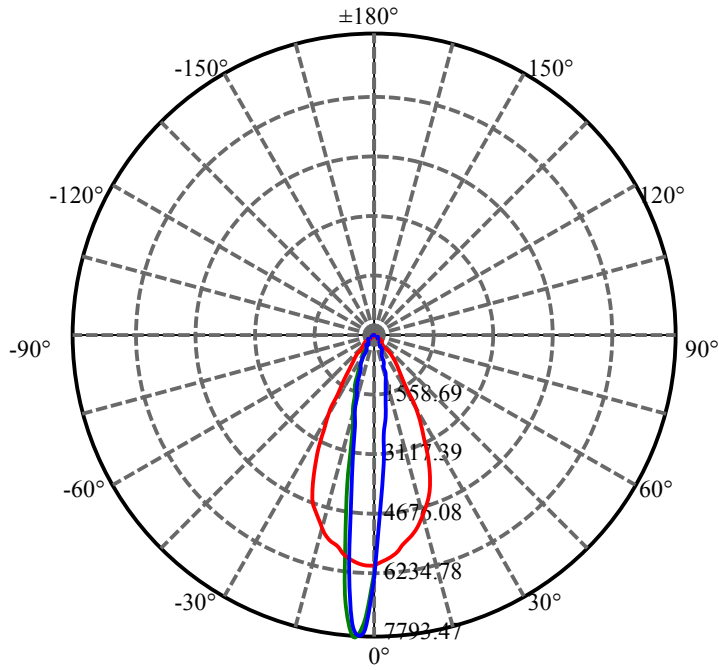
[C90/270]Total=47.8

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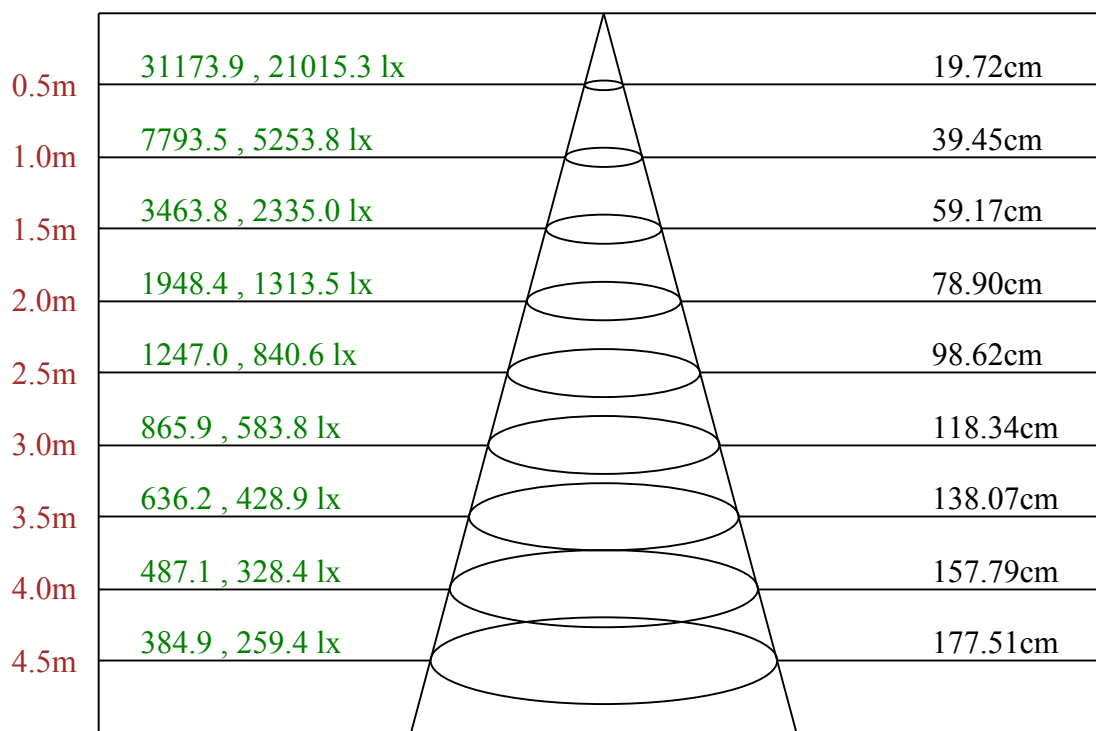
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/26  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

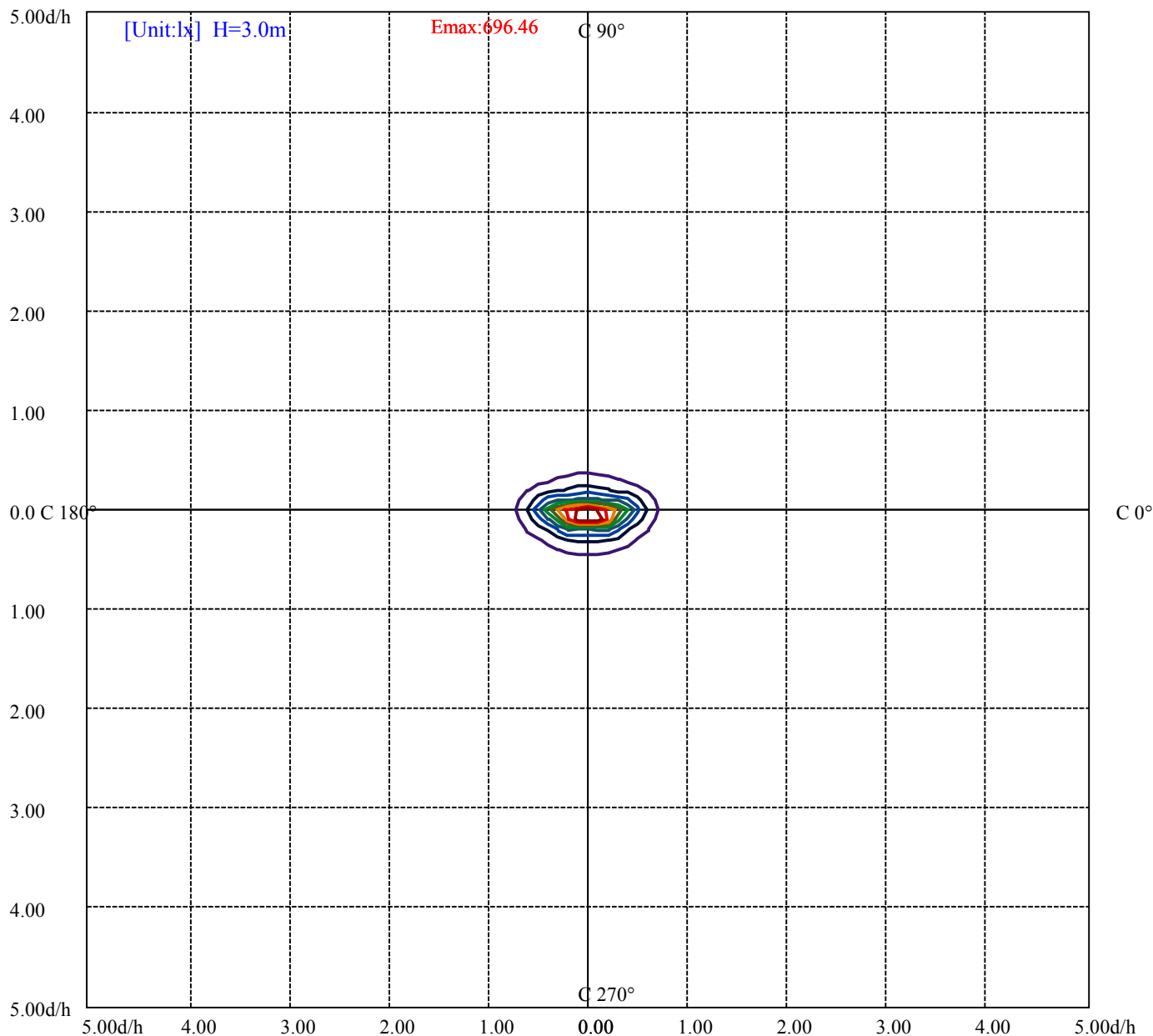


C240(Max): ———  
C0/C180: ———  
C90/C270: ———



Max , Ave      C240面光束角22.25

ROLED 投光灯  
平面等照度曲线



(10%Emax) 69.646	—
(20%Emax) 139.2922	—
(30%Emax) 208.9378	—
(40%Emax) 278.5833	—
(50%Emax) 348.23	—
(60%Emax) 417.8755	—
(70%Emax) 487.5222	—
(80%Emax) 557.1677	—
(90%Emax) 626.8133	—

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/26  
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测试人员: anpeilou  
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# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

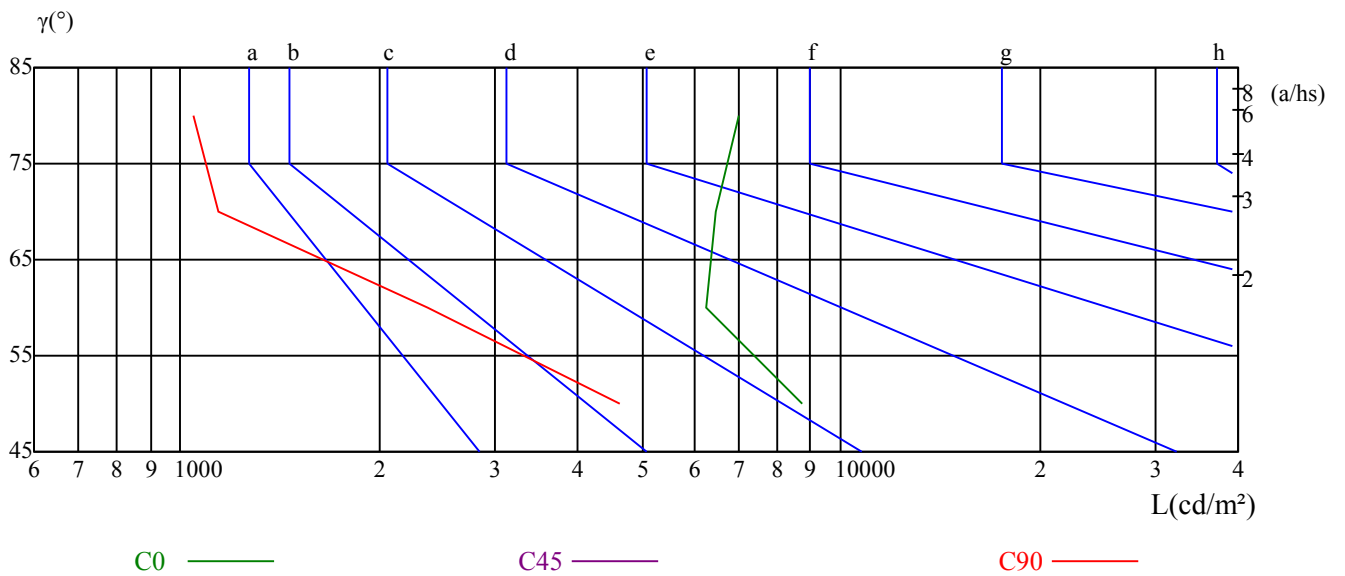
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	8717	0	6250	0	6456	0	7015	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4617	0	2365	0	1140	0	1046	0

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

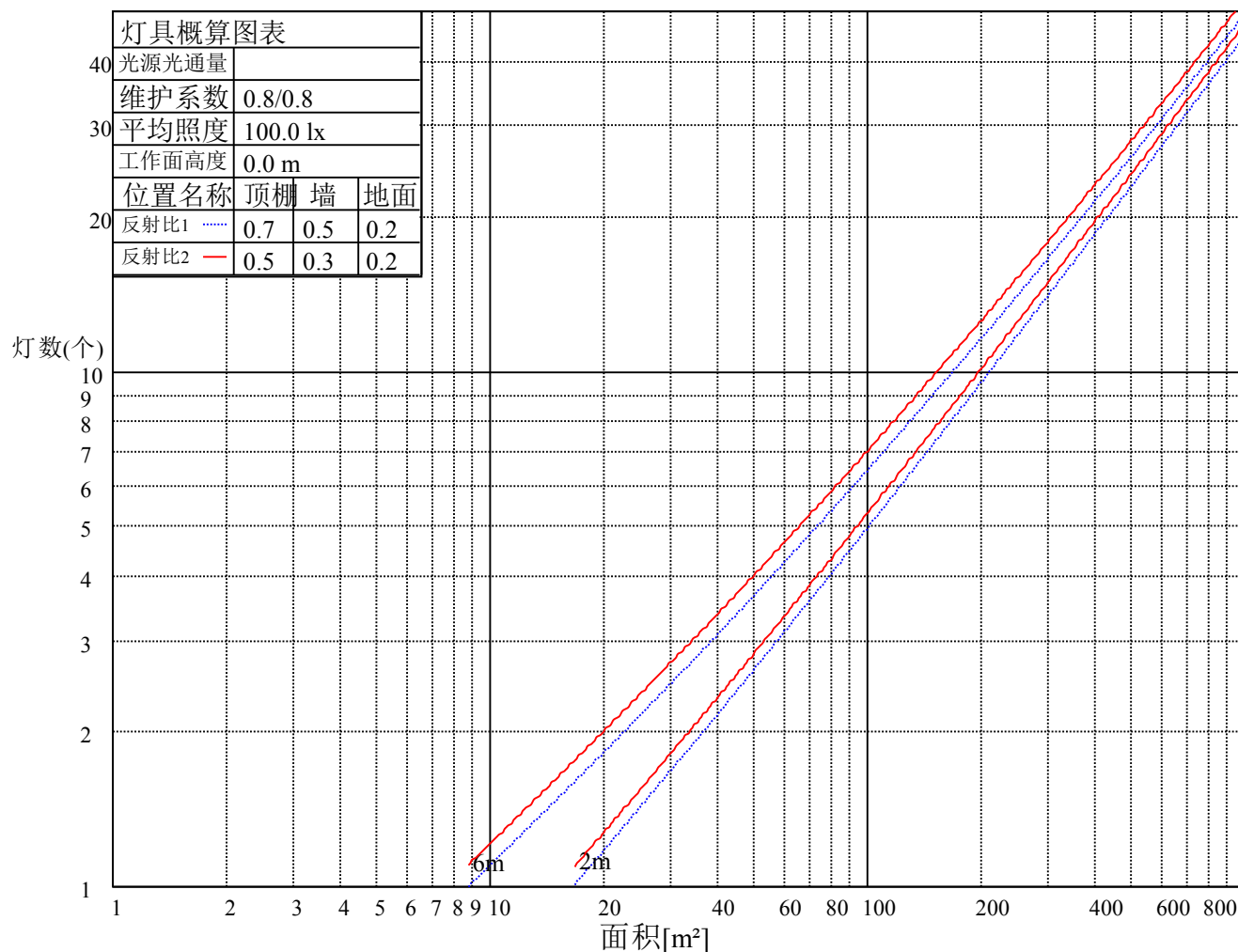
亮度限制曲线



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	9.27	10.35	9.63	10.67	10.98	11.72	12.81	12.09	13.12	13.44
	3H	9.73	10.69	10.11	11.02	11.39	13.48	14.44	13.86	14.78	15.14
	4H	9.81	10.70	10.22	11.06	11.45	14.20	15.09	14.61	15.45	15.84
	6H	9.88	10.70	10.30	11.07	11.47	14.84	15.66	15.26	16.03	16.43
	8H	9.91	10.68	10.34	11.07	11.48	15.11	15.88	15.55	16.27	16.68
	12H	9.96	10.69	10.39	11.08	11.51	15.49	16.23	15.93	16.61	17.04
4H	2H	9.85	10.74	10.26	11.10	11.48	11.89	12.78	12.30	13.14	13.53
	3H	10.38	11.11	10.79	11.51	11.92	13.81	14.54	14.23	14.95	15.35
	4H	10.48	11.13	10.92	11.56	12.00	14.58	15.23	15.02	15.65	16.10
	6H	10.56	11.12	11.03	11.57	12.04	15.21	15.77	15.68	16.22	16.69
	8H	10.60	11.12	11.08	11.57	12.05	15.54	16.06	16.01	16.51	16.98
	12H	10.66	11.12	11.15	11.60	12.08	15.96	16.41	16.45	16.90	17.38
8H	4H	10.69	11.21	11.16	11.66	12.13	14.49	15.01	14.97	15.46	15.94
	6H	10.81	11.22	11.32	11.72	12.21	15.14	15.56	15.65	16.06	16.54
	8H	10.88	11.25	11.41	11.77	12.26	15.50	15.87	16.03	16.39	16.89
	12H	11.52	11.84	12.04	12.34	12.92	16.45	16.77	16.97	17.27	17.84
12H	4H	10.67	11.13	11.16	11.61	12.09	14.44	14.89	14.93	15.38	15.86
	6H	11.16	11.18	11.34	11.65	12.19	15.44	15.46	15.62	15.93	16.48
	8H	10.91	11.23	11.43	11.72	12.30	15.47	15.79	15.99	16.28	16.86
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-1.5					2.6/-1.5					
S = 1.5H	1.2/-3.1					4.2/-1.6					
S = 2.0H	3.4/-5.0					5.7/-1.9					
标准表格	BK2					BK2					
更正系数	-4.7					1.0					

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## 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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.93
2	1.02	0.98	0.95	1.01	0.97	0.94	0.97	0.94	0.92	0.94	0.92	0.90	0.92	0.90	0.88	0.86
3	0.96	0.90	0.86	0.94	0.89	0.86	0.91	0.88	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.80
4	0.89	0.84	0.80	0.88	0.83	0.79	0.86	0.82	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.75
5	0.84	0.78	0.74	0.83	0.78	0.74	0.81	0.77	0.73	0.80	0.76	0.72	0.78	0.75	0.72	0.70
6	0.79	0.74	0.69	0.79	0.73	0.69	0.77	0.72	0.69	0.76	0.71	0.68	0.74	0.71	0.68	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	0.64	0.71	0.67	0.64	0.63
8	0.71	0.66	0.62	0.71	0.65	0.62	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.59
9	0.68	0.62	0.59	0.68	0.62	0.58	0.67	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.57
10	0.65	0.59	0.56	0.65	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.55	0.62	0.58	0.55	0.54



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	5947.16	5885.77	5776.04	5632.54	5474.46	5312.54	5135.28	4964.16	4755.43
30.0	6277.90	5371.63	4453.08	3747.86	3140.10	2699.63	2325.15	2024.34	1745.78
60.0	6145.91	4576.63	3432.47	2735.70	2281.41	1926.11	1639.12	1402.46	1175.85
90.0	6284.04	4607.33	3331.95	2607.54	2165.54	1810.24	1520.94	1281.52	1057.44
120.0	6049.23	4524.45	3421.73	2741.07	2292.92	1940.69	1667.51	1418.95	1194.27
150.0	6114.45	5225.83	4384.79	3700.29	3179.24	2728.02	2360.45	2060.40	1784.92
180.0	5947.16	5954.84	5910.33	5820.55	5695.46	5561.17	5406.16	5258.83	5079.26
210.0	6277.90	7099.00	7578.61	7597.02	7174.97	6429.08	5432.25	4506.80	3618.95
240.0	6145.91	7416.69	7793.47	6909.45	5428.42	3938.94	2943.65	2343.57	1945.30
270.0	6284.04	7653.81	7561.72	6159.73	4360.23	3109.41	2422.61	2006.69	1672.88
300.0	6049.23	7313.09	7739.75	6941.68	5518.20	4028.72	3040.34	2375.80	1960.65
330.0	6114.45	6858.81	7361.44	7448.92	7157.32	6514.25	5671.68	4746.99	3899.80
360.0	5947.16	5885.77	5776.04	5632.54	5474.46	5312.54	5135.28	4964.16	4755.43
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4505.26	4212.13	3866.81	3438.61	2975.88	2507.02	2036.62	1626.84	1269.24
30.0	1504.82	1302.24	1113.46	953.08	812.65	698.31	597.02	514.91	440.47
60.0	984.24	824.93	684.65	571.39	481.37	406.17	348.31	302.58	268.27
90.0	874.04	714.43	583.97	481.91	402.11	347.39	301.35	267.12	238.73
120.0	1003.11	834.60	699.77	584.13	493.42	416.99	357.83	310.79	275.64
150.0	1557.77	1343.68	1154.13	991.45	857.16	736.68	630.78	544.84	468.10
180.0	4863.63	4595.05	4229.78	3806.95	3263.65	2749.51	2236.90	1796.43	1412.82
210.0	2938.28	2356.61	1890.81	1518.87	1280.75	1053.07	878.65	742.51	622.42
240.0	1625.30	1381.28	1154.13	961.52	801.14	669.15	555.58	465.80	396.73
270.0	1412.13	1183.98	970.50	794.85	656.03	536.01	445.85	379.54	324.98
300.0	1632.21	1385.11	1158.74	967.66	808.81	675.29	560.18	471.17	399.80
330.0	3143.94	2538.48	2017.43	1513.96	1339.07	1090.29	901.67	749.27	630.25
360.0	4505.26	4212.13	3866.81	3438.61	2975.88	2507.02	2036.62	1626.84	1269.24
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	999.12	777.35	598.55	471.94	389.06	297.43	235.43	194.15	161.69
30.0	387.52	331.97	288.15	251.39	220.54	195.99	174.12	155.85	139.51
60.0	239.65	216.48	197.91	180.72	165.83	150.18	137.05	123.78	108.89
90.0	216.32	197.45	181.41	166.29	152.55	138.74	119.56	102.83	87.17
120.0	246.25	222.39	203.05	185.40	170.13	154.17	140.97	127.23	111.42
150.0	402.87	350.00	305.19	265.13	233.21	205.35	182.02	162.76	144.73
180.0	1097.12	857.93	662.09	513.91	400.65	317.54	251.24	203.97	167.44
210.0	527.34	451.52	383.61	331.28	282.24	245.64	214.64	189.85	167.67
240.0	340.95	299.43	262.06	236.04	213.79	194.30	178.18	163.07	149.02
270.0	284.85	254.39	228.45	208.04	190.46	175.50	161.69	148.56	135.52
300.0	343.48	300.66	262.14	235.51	212.87	194.30	177.49	162.38	148.56
330.0	531.33	453.14	383.23	327.29	280.25	243.33	211.87	185.24	164.45
360.0	999.12	777.35	598.55	471.94	389.06	297.43	235.43	194.15	161.69
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	141.43	127.31	116.33	108.28	101.06	94.00	87.94	82.19	76.51
30.0	125.77	113.96	103.44	94.00	84.80	76.05	66.61	57.40	47.04
60.0	92.78	78.73	66.30	54.56	44.97	35.99	27.70	18.65	12.66
90.0	71.98	58.55	49.50	40.98	33.07	26.01	18.95	14.73	13.51
120.0	95.15	80.73	67.91	55.48	46.04	36.60	28.16	18.72	12.58
150.0	130.45	117.72	106.82	96.54	86.64	77.35	67.07	57.40	46.50
180.0	143.19	127.84	117.18	108.12	100.68	94.39	88.40	82.49	76.12
210.0	149.72	134.67	120.78	110.58	100.91	92.24	83.26	74.05	64.92
240.0	135.13	123.24	108.43	93.39	79.73	66.53	55.71	46.20	36.83
270.0	117.79	101.98	86.41	73.13	59.93	51.03	42.90	34.76	27.70
300.0	135.29	122.78	107.66	92.78	79.19	66.15	55.25	45.89	36.45
330.0	146.26	131.60	118.02	108.20	98.68	89.71	81.50	72.29	63.16
360.0	141.43	127.31	116.33	108.28	101.06	94.00	87.94	82.19	76.51

# 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	70.37	62.85	55.10	48.19	42.21	34.92	27.24	16.19	5.45
30.0	36.37	25.17	15.27	8.13	5.60	4.14	2.53	2.07	0.61
60.0	11.20	9.75	7.83	5.60	5.06	4.53	2.76	1.07	0.08
90.0	12.20	10.28	7.75	6.68	6.29	5.14	2.92	0.84	0.00
120.0	11.13	9.82	7.83	5.68	5.14	4.45	2.92	1.07	0.08
150.0	35.45	24.40	15.12	7.75	5.60	4.14	2.61	2.07	0.61
180.0	68.99	61.08	53.87	47.27	40.59	33.84	26.24	15.58	5.29
210.0	55.33	44.12	32.15	21.64	12.20	6.68	5.22	3.07	2.38
240.0	28.09	19.64	13.89	12.43	10.82	8.36	5.68	5.22	4.45
270.0	20.95	16.81	15.50	13.89	11.51	8.44	7.14	6.75	5.29
300.0	27.70	18.88	13.66	12.28	10.59	8.13	5.68	5.14	4.37
330.0	53.56	42.28	30.39	20.11	11.05	6.52	5.14	2.99	2.38
360.0	70.37	62.85	55.10	48.19	42.21	34.92	27.24	16.19	5.45
C/γ(°)	90.0								
0.0	0.23								
30.0	0.08								
60.0	0.00								
90.0	0.00								
120.0	0.00								
150.0	0.08								
180.0	0.15								
210.0	1.23								
240.0	2.38								
270.0	2.99								
300.0	2.38								
330.0	1.23								
360.0	0.23								