

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3823A-24-24DC-PC-A3(30-OL-24WN-AA.L1000.C.CT)

报告编号:

电压(V): 23.7000

测试编号: 20210325008

电流(A): 1.0270

光源规格型号: OL

功率(W): 24.4000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 24

镇流器型号:

发光面长度(mm): 990

发光面宽度(mm): 30

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): 2576.63

灯具效能(lm/w): 105.60

中心光强(cd): 5531.247

最大光强(cd): 5531.247

最大光强角度:  $C=0.0 \gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=31.8

[C90/270]Total=31.6

光束扩散角(10%Imax): [C0/180]Total=62.3

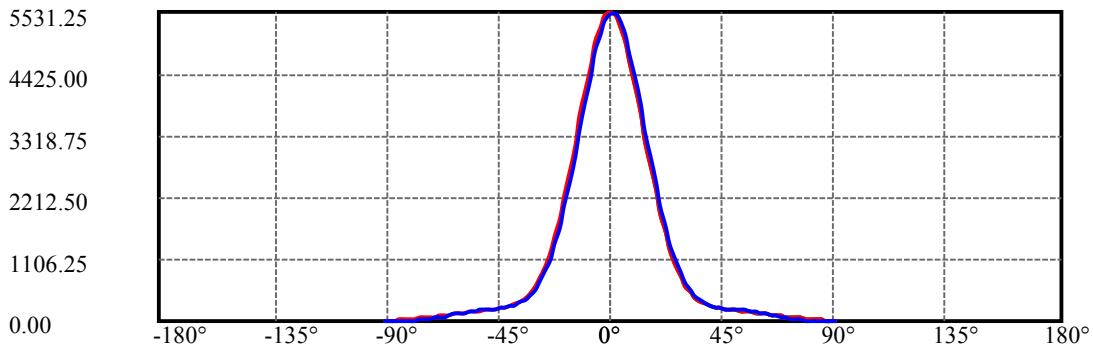
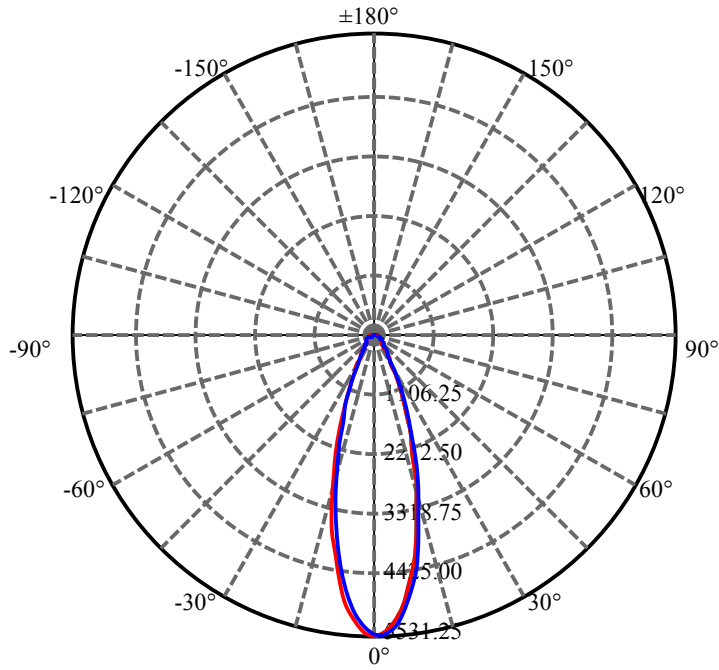
[C90/270]Total=62.0

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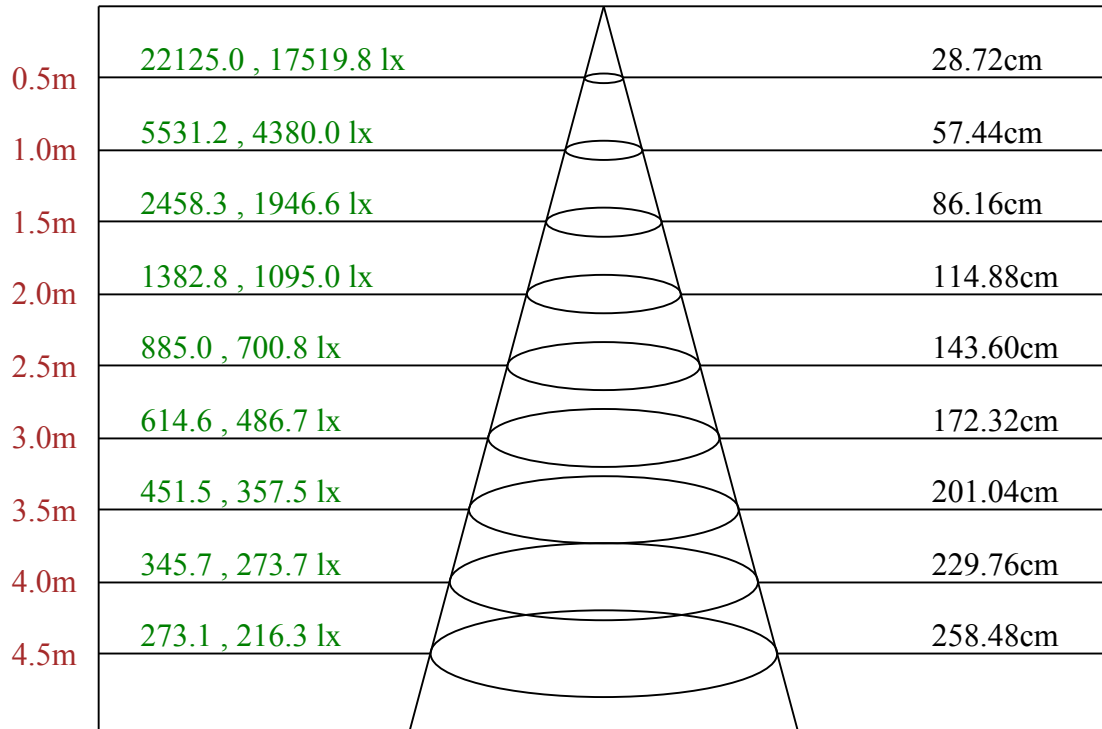
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/25  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

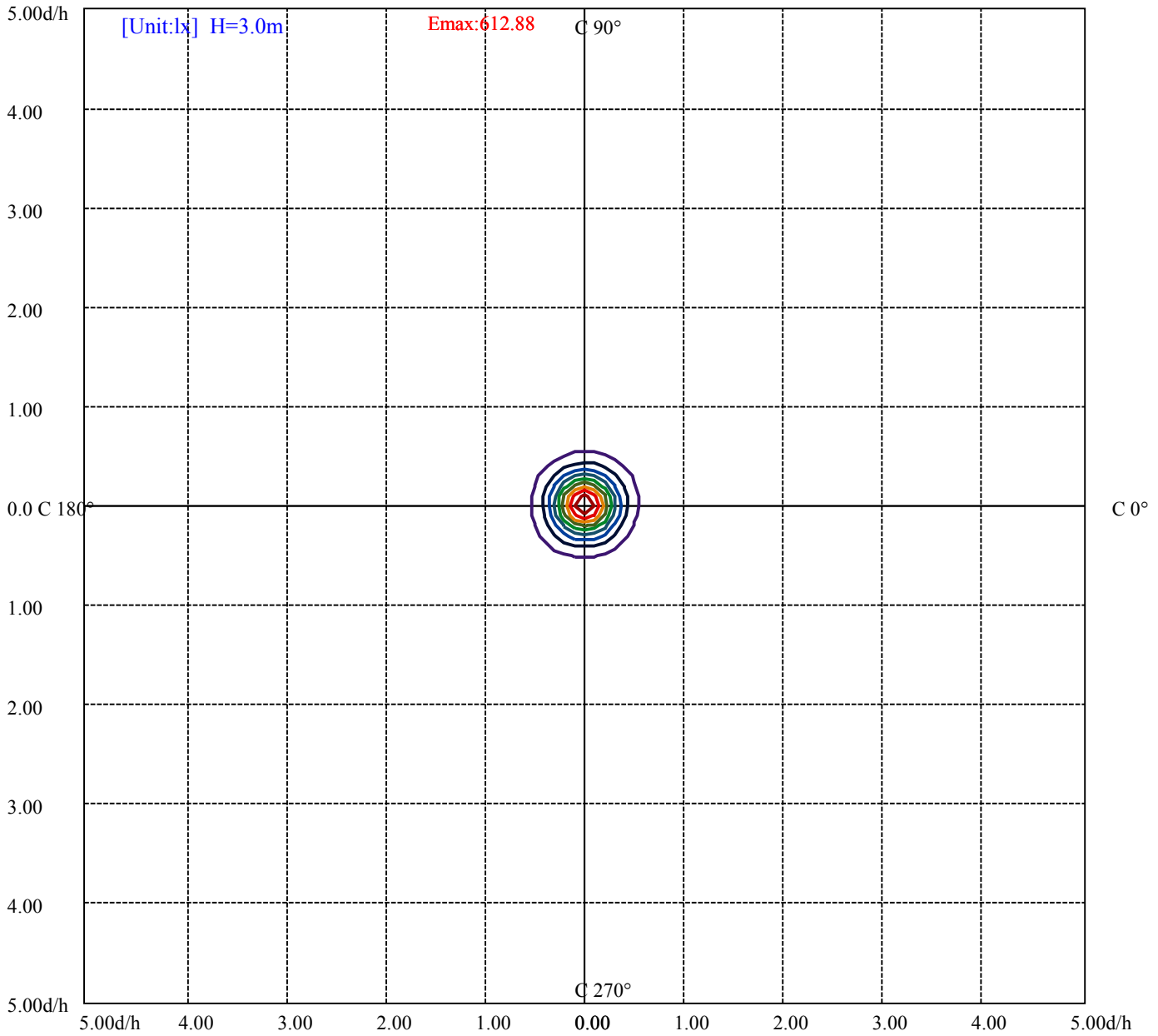


C0(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave      C0面光束角32.05

ROLED 投光灯  
平面等照度曲线



(10%Emax) 61.28778	——
(20%Emax) 122.5756	——
(30%Emax) 183.8633	——
(40%Emax) 245.1511	——
(50%Emax) 306.4389	——
(60%Emax) 367.7267	——
(70%Emax) 429.0144	——
(80%Emax) 490.3022	——
(90%Emax) 551.59	——

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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)

附页 第 5页 共8页

亮度值表

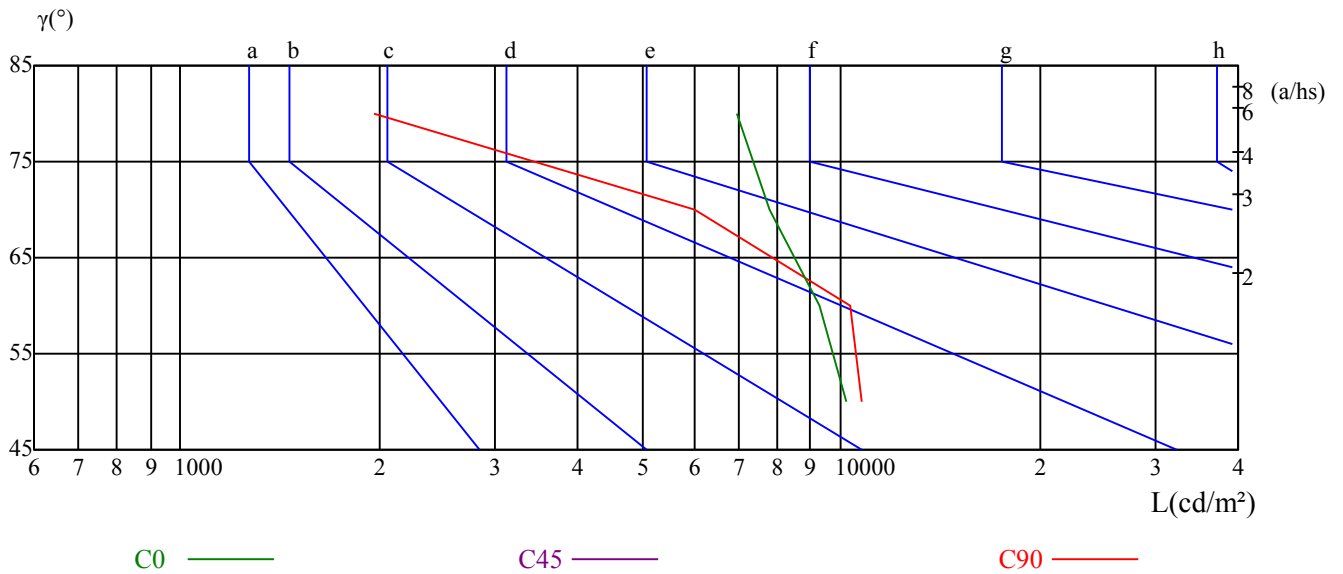
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	10214	0	9260	0	7811	0	6978	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10773	0	10309	0	6006	0	1964	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
1700	1321	0	1273	888	0	756	430	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: 2021/3/25  
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	14.27	15.44	14.63	15.75	16.07	14.20	15.37	14.56	15.68	15.99
	3H	15.25	16.29	15.63	16.62	16.99	15.67	16.71	16.05	17.04	17.41
	4H	15.39	16.36	15.80	16.71	17.10	16.24	17.21	16.65	17.56	17.95
	6H	15.39	16.28	15.81	16.65	17.05	16.65	17.53	17.06	17.91	18.30
	8H	15.36	16.20	15.79	16.59	17.00	16.78	17.62	17.21	18.01	18.42
	12H	15.33	16.13	15.76	16.51	16.94	16.97	17.77	17.41	18.16	18.59
4H	2H	14.77	15.74	15.18	16.09	16.48	14.71	15.68	15.12	16.03	16.42
	3H	15.88	16.68	16.30	17.09	17.49	16.43	17.23	16.85	17.63	18.04
	4H	16.07	16.78	16.50	17.20	17.65	17.13	17.84	17.56	18.26	18.71
	6H	16.08	16.69	16.55	17.14	17.61	17.53	18.14	18.00	18.59	19.06
	8H	16.05	16.61	16.52	17.06	17.54	17.69	18.26	18.16	18.71	19.18
	12H	16.02	16.51	16.50	17.00	17.47	17.88	18.38	18.37	18.86	19.34
8H	4H	16.24	16.81	16.71	17.26	17.73	17.21	17.78	17.68	18.22	18.70
	6H	16.26	16.72	16.77	17.22	17.70	17.69	18.14	18.19	18.64	19.13
	8H	16.23	16.64	16.76	17.15	17.65	17.88	18.29	18.41	18.81	19.30
	12H	17.01	17.37	17.53	17.86	18.44	18.62	18.97	19.14	19.47	20.04
12H	4H	16.23	16.73	16.72	17.21	17.69	17.16	17.66	17.65	18.14	18.62
	6H	16.70	16.67	16.79	17.13	17.68	18.09	18.05	18.18	18.52	19.07
	8H	16.25	16.60	16.77	17.10	17.67	17.87	18.22	18.38	18.72	19.29
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.4/-0.7					
S = 1.5H	1.1/-0.9					0.8/-0.9					
S = 2.0H	2.5/-2.0					1.5/-1.3					
标准表格	BK3					BK3					
更正系数	2.5					3.0					

# ROLED 投光灯

光强数据表(cd)

附页 第7页 共8页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	5531.25	5469.09	5290.29	4989.48	4634.95	4192.94	3703.36	3231.42	2778.67
30.0	5520.50	5499.02	5341.70	5073.89	4711.69	4299.61	3831.51	3344.22	2883.03
60.0	5511.29	5484.44	5330.19	5077.73	4708.62	4270.45	3816.93	3315.06	2856.94
90.0	5500.55	5503.62	5378.54	5132.21	4781.52	4368.67	3896.74	3404.85	2939.82
120.0	5510.53	5485.97	5337.10	5095.38	4735.48	4303.44	3855.30	3352.67	2860.01
150.0	5514.36	5486.74	5333.26	5089.24	4740.85	4337.21	3875.25	3384.90	2912.96
180.0	5531.25	5456.04	5257.29	4968.76	4569.72	4119.27	3663.45	3166.96	2685.82
210.0	5520.50	5413.84	5195.14	4864.40	4453.85	4003.40	3515.35	3025.76	2547.69
240.0	5511.29	5406.16	5189.76	4852.89	4468.43	3993.42	3484.65	3001.97	2530.04
270.0	5500.55	5374.70	5121.47	4793.03	4367.14	3909.78	3396.41	2939.05	2467.88
300.0	5510.53	5406.93	5197.44	4875.14	4506.03	4048.68	3553.72	3074.11	2626.73
330.0	5514.36	5412.30	5183.62	4879.74	4486.08	4058.65	3582.88	3097.13	2615.98
360.0	5531.25	5469.09	5290.29	4989.48	4634.95	4192.94	3703.36	3231.42	2778.67

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2324.38	1927.65	1583.10	1265.40	1011.40	795.77	633.09	508.77	413.62
30.0	2436.42	2052.73	1682.09	1401.23	1144.16	926.99	761.24	622.34	517.21
60.0	2394.21	2017.43	1672.88	1399.92	1138.48	919.85	754.64	615.82	507.93
90.0	2477.86	2072.68	1672.88	1364.39	1087.37	865.60	682.20	542.53	444.31
120.0	2399.58	2000.55	1529.69	1345.67	1073.10	847.41	678.90	537.70	445.08
150.0	2448.70	2024.34	1649.09	1346.74	1078.16	863.30	685.27	549.44	447.38
180.0	2241.51	1851.68	1508.20	1225.50	971.80	768.07	611.75	494.04	412.39
210.0	2147.89	1779.54	1481.96	1206.16	996.21	810.20	676.60	563.48	466.56
240.0	2121.03	1759.59	1458.78	1185.60	966.89	781.96	643.83	535.63	445.08
270.0	2067.31	1693.60	1369.46	1109.63	880.64	692.10	555.66	458.20	381.23
300.0	2179.35	1799.50	1474.13	1180.99	944.64	745.89	599.32	488.82	405.17
330.0	2205.44	1816.38	1475.97	1202.09	957.84	764.00	602.70	492.04	403.64
360.0	2324.38	1927.65	1583.10	1265.40	1011.40	795.77	633.09	508.77	413.62

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	350.54	303.04	267.43	243.18	224.38	210.87	202.43	194.99	186.86
30.0	429.73	363.89	314.32	281.01	255.54	238.04	226.30	217.55	208.57
60.0	423.82	362.12	315.39	283.93	258.84	239.88	227.07	216.48	207.04
90.0	389.83	319.46	281.47	255.84	235.89	222.62	212.79	205.66	197.91
120.0	375.25	326.60	289.38	262.29	241.42	226.76	215.33	205.43	196.14
150.0	388.29	326.90	287.61	260.52	239.19	224.23	213.25	204.35	195.60
180.0	350.46	306.95	273.34	249.40	229.22	215.40	205.20	196.29	187.24
210.0	395.51	338.64	297.51	268.58	247.33	230.52	219.85	210.26	200.67
240.0	389.83	329.97	292.60	265.90	244.79	228.91	217.70	208.11	198.14
270.0	330.13	291.07	262.37	242.41	226.99	215.79	208.04	200.36	191.46
300.0	349.46	306.95	274.49	251.93	233.97	219.70	210.18	201.05	191.38
330.0	345.40	300.43	267.28	245.10	228.22	216.02	207.81	200.05	190.92
360.0	350.54	303.04	267.43	243.18	224.38	210.87	202.43	194.99	186.86

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	177.88	167.59	153.24	137.51	124.16	110.66	98.99	88.48	79.35
30.0	198.98	188.01	175.42	163.07	149.48	136.06	123.85	111.50	99.07
60.0	196.60	185.55	172.35	159.08	145.03	131.84	116.03	91.01	68.53
90.0	189.31	178.49	166.21	153.09	136.75	118.94	94.77	75.20	61.01
120.0	185.94	175.12	161.30	148.41	134.44	121.48	108.28	92.55	74.36
150.0	186.40	175.27	162.61	149.79	135.83	121.40	108.12	96.46	84.80
180.0	177.42	164.91	150.64	137.51	124.01	111.12	99.53	89.55	80.57
210.0	191.08	179.87	167.44	154.70	142.04	129.15	116.72	105.28	92.78
240.0	188.24	175.88	162.53	149.33	137.05	123.85	108.51	86.71	65.61
270.0	180.87	168.59	154.40	139.74	123.16	104.44	81.42	67.07	53.18
300.0	180.18	167.83	153.48	139.13	125.93	113.11	100.99	84.41	66.30
330.0	180.64	168.29	154.40	140.66	125.47	112.65	100.22	89.40	78.66
360.0	177.88	167.59	153.24	137.51	124.16	110.66	98.99	88.48	79.35

# ROLED 投光灯

## 光强数据表(cd)

附页 第 8页 共8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	61.77	53.79	45.74	35.99	28.47	21.72	14.96	6.52
30.0	86.64	75.20	61.85	43.36	25.86	13.51	3.99	2.61	1.15
60.0	51.95	39.14	27.01	16.50	7.67	6.29	3.99	2.30	1.76
90.0	48.11	36.60	24.79	13.35	10.13	8.29	4.45	3.22	2.46
120.0	58.01	44.66	31.77	20.18	9.98	7.75	4.68	2.38	2.00
150.0	74.51	65.69	56.40	45.74	32.08	19.34	6.60	3.45	1.15
180.0	71.52	62.46	54.25	45.74	36.37	29.31	22.48	15.27	6.52
210.0	80.88	69.29	56.40	38.37	23.17	11.59	3.53	2.38	1.23
240.0	50.11	37.60	25.86	14.50	7.60	6.29	3.76	2.30	1.69
270.0	41.21	29.08	18.34	10.82	9.59	6.75	3.38	2.92	1.69
300.0	52.18	38.98	27.09	15.27	8.90	7.06	3.91	2.30	1.69
330.0	68.91	59.78	49.27	37.75	24.25	12.74	4.53	2.38	1.07
360.0	70.37	61.77	53.79	45.74	35.99	28.47	21.72	14.96	6.52

C/γ(°)	90.0
0.0	0.15
30.0	0.31
60.0	0.23
90.0	0.38
120.0	0.38
150.0	0.54
180.0	0.23
210.0	0.31
240.0	0.23
270.0	0.15
300.0	0.15
330.0	0.15
360.0	0.15