

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F2222A-18-36DC-RC-Y (5030-XL-18RGBWN-C, CT)

报告编号:

电压(V): 36.0000

测试编号: 20210306001

电流(A): 1.9410

光源规格型号: XL

功率(W): 70.0000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 18

镇流器型号:

发光面长度(mm): 270

发光面宽度(mm): 160

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): 3419.24

灯具效能(lm/w): 48.85

中心光强(cd): 6324.713

最大光强(cd): 6521.162

最大光强角度:  $C=30.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=53.4

[C90/270]Total=29.4

光束扩散角(10%Imax): [C0/180]Total=86.4

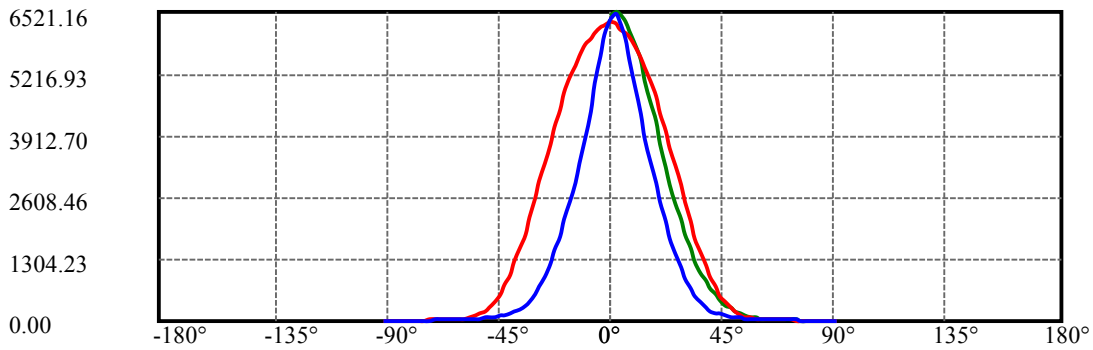
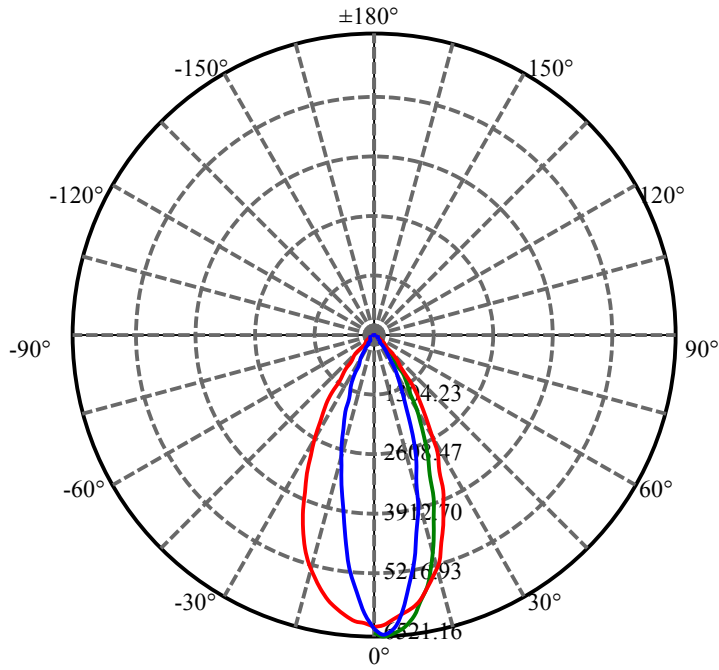
[C90/270]Total=61.8

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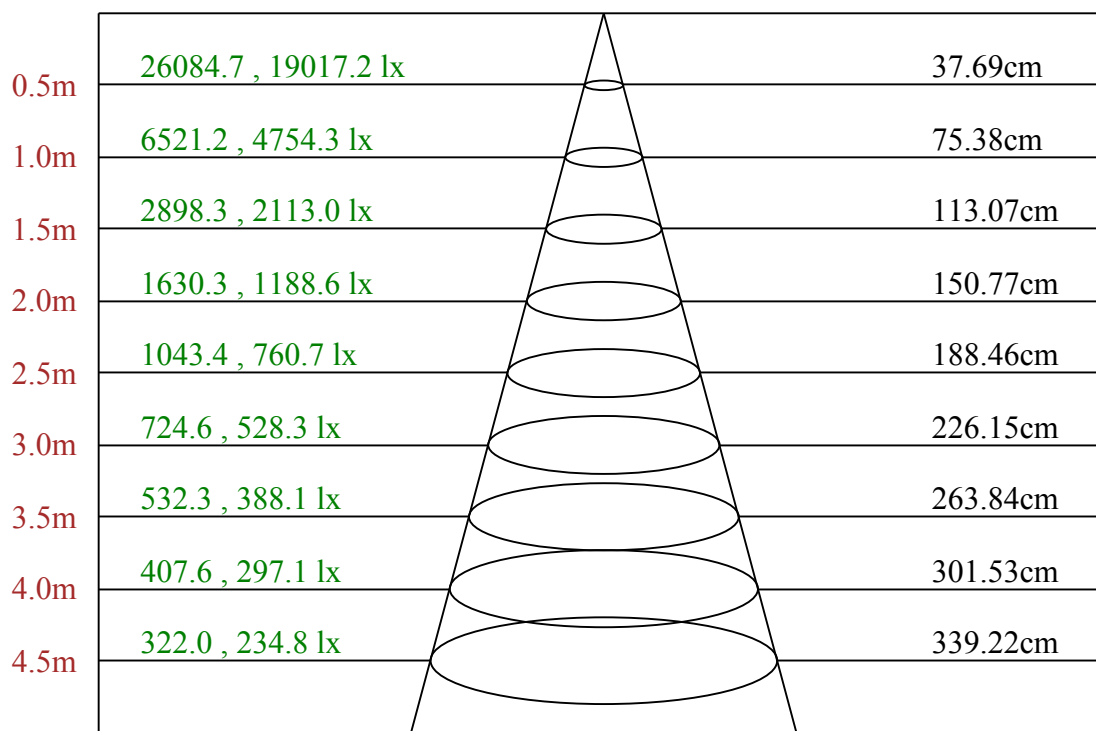
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/6  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

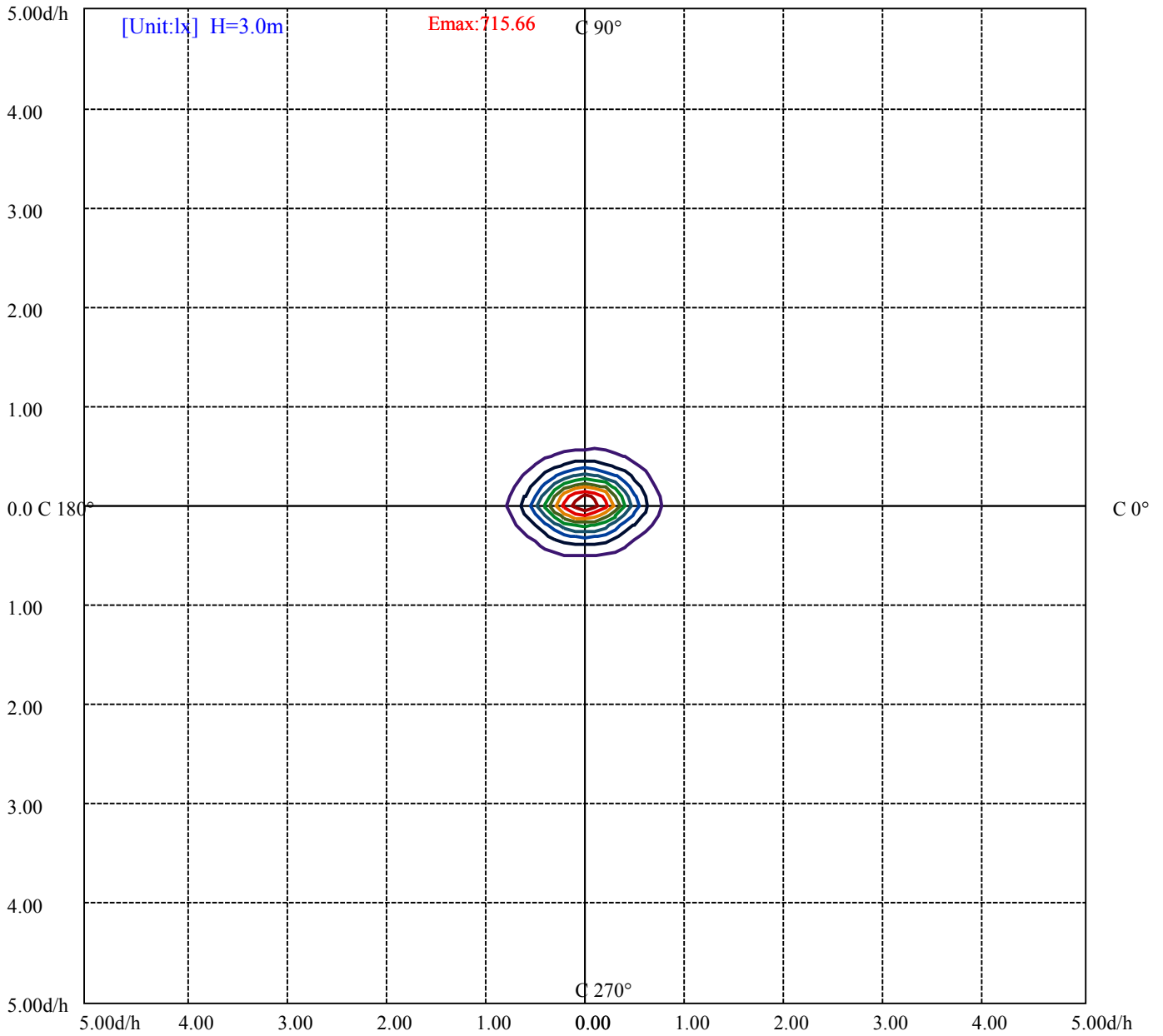


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角41.25

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 71.56633
- (20%Emax) 143.1322
- (30%Emax) 214.6989
- (40%Emax) 286.2655
- (50%Emax) 357.8322
- (60%Emax) 429.3978
- (70%Emax) 500.9645
- (80%Emax) 572.5311
- (90%Emax) 644.0978

测试设备: GMS1800  
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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

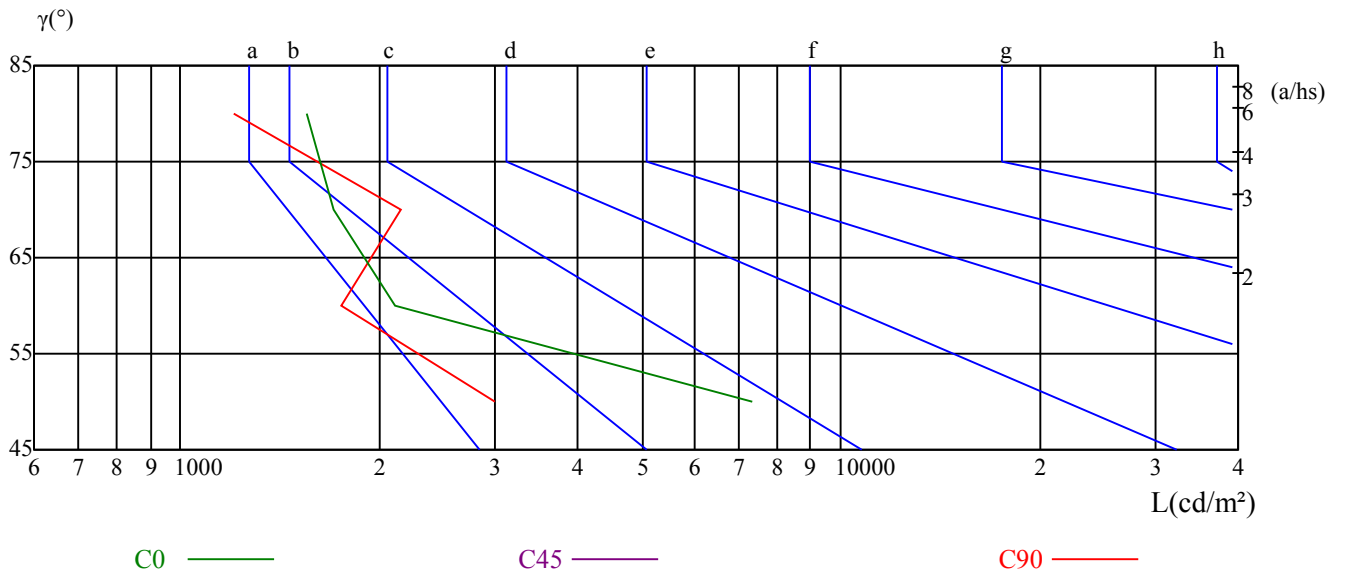
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	7356	0	2110	0	1704	0	1555	0
C45	0	0	0	0	0	0	0	0	0
C90	0	2987	0	1751	0	2150	0	1207	0

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	3.41	4.42	3.77	4.73	5.04	4.87	5.88	5.24	6.20	6.51
	3H	4.53	5.42	4.92	5.75	6.12	5.63	6.52	6.01	6.85	7.22
	4H	4.90	5.72	5.30	6.07	6.46	6.02	6.84	6.43	7.19	7.58
	6H	5.06	5.81	5.48	6.19	6.59	6.35	7.10	6.76	7.47	7.87
	8H	5.08	5.78	5.51	6.18	6.59	6.45	7.15	6.88	7.54	7.95
	12H	5.08	5.76	5.52	6.14	6.57	6.55	7.22	6.99	7.61	8.04
4H	2H	3.60	4.42	4.01	4.78	5.17	4.91	5.73	5.31	6.08	6.47
	3H	4.85	5.52	5.27	5.93	6.33	5.90	6.57	6.32	6.98	7.39
	4H	5.30	5.89	5.74	6.32	6.77	6.45	7.05	6.89	7.47	7.92
	6H	5.51	6.01	5.98	6.46	6.94	6.85	7.36	7.32	7.81	8.28
	8H	5.54	6.01	6.02	6.46	6.94	7.00	7.47	7.48	7.93	8.40
	12H	5.55	5.96	6.04	6.45	6.93	7.13	7.54	7.62	8.03	8.51
8H	4H	5.45	5.92	5.92	6.37	6.85	6.51	6.99	6.99	7.44	7.91
	6H	5.73	6.11	6.24	6.61	7.09	7.07	7.44	7.58	7.94	8.43
	8H	5.80	6.13	6.33	6.66	7.15	7.30	7.64	7.83	8.16	8.66
	12H	6.34	6.63	6.86	7.13	7.71	7.82	8.11	8.34	8.60	9.18
12H	4H	5.46	5.87	5.95	6.35	6.83	6.47	6.88	6.97	7.37	7.85
	6H	6.04	6.10	6.31	6.58	7.13	7.32	7.38	7.59	7.86	8.40
	8H	5.87	6.16	6.40	6.66	7.24	7.33	7.62	7.85	8.12	8.70
对应照射距离，改变观察者位置S											
S = 1.0H	2.9/-3.0					4.0/-6.1					
S = 1.5H	4.6/-3.9					6.6/-7.1					
S = 2.0H	6.5/-3.9					8.5/-6.8					
标准表格	BK2					BK0					
更正系数	-4.4					-0.8					

# 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	6324.71	6282.51	6156.66	6059.20	5974.79	5809.04	5548.90	5362.42	5082.33
30.0	6452.86	6521.16	6462.84	6334.69	6135.94	5842.03	5516.67	5066.22	4615.77
60.0	6429.08	6475.12	6319.34	6037.71	5671.68	5106.12	4584.30	4044.07	3529.93
90.0	6366.92	6462.84	6330.85	5956.37	5489.81	4943.44	4361.77	3865.27	3346.53
120.0	6358.48	6386.87	6261.79	5927.98	5491.34	5001.76	4534.42	3989.59	3460.10
150.0	6334.69	6309.37	6288.65	6139.78	5937.19	5664.77	5301.80	4865.93	4435.43
180.0	6324.71	6226.49	6198.86	6086.06	5964.81	5825.15	5585.73	5396.96	5149.86
210.0	6452.86	6251.04	6071.48	5759.92	5400.79	5066.22	4605.02	4124.65	3698.75
240.0	6429.08	6135.94	5739.97	5312.54	4747.76	4126.95	3625.08	3175.40	2745.67
270.0	6366.92	6026.20	5576.52	5039.36	4417.78	3845.32	3328.11	2901.45	2492.44
300.0	6358.48	6143.61	5715.42	5215.09	4681.76	4125.41	3600.53	3104.80	2664.33
330.0	6334.69	6185.82	5860.45	5588.80	5302.57	4922.72	4448.48	3975.78	3501.54
360.0	6324.71	6282.51	6156.66	6059.20	5974.79	5809.04	5548.90	5362.42	5082.33
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4730.87	4390.93	4011.07	3664.99	3262.88	2881.50	2516.99	2124.10	1758.06
30.0	4195.24	3746.33	3256.74	2856.17	2471.72	2137.91	1812.54	1526.31	1251.59
60.0	3047.25	2611.38	2223.09	1889.28	1583.10	1376.14	1157.97	948.17	745.97
90.0	2899.91	2502.41	2120.26	1751.15	1421.18	1141.86	882.48	693.71	509.54
120.0	2961.30	2509.32	2154.79	1840.94	1529.23	1327.41	1101.41	879.03	684.88
150.0	4013.38	3531.46	3068.74	2633.63	2253.02	1946.07	1637.58	1352.88	1097.35
180.0	4839.84	4456.15	4074.00	3711.80	3328.88	2955.93	2589.13	2184.72	1824.82
210.0	3256.74	2815.50	2444.86	2118.73	1807.17	1530.22	1306.00	1078.24	891.31
240.0	2348.94	2006.69	1720.46	1464.92	1223.96	1000.66	808.05	616.20	480.38
270.0	2144.82	1787.22	1478.66	1196.88	936.66	736.14	572.62	413.92	308.56
300.0	2276.04	1977.53	1675.95	1414.27	1178.69	966.13	759.70	587.04	456.59
330.0	3074.11	2680.44	2302.90	1992.11	1703.57	1451.49	1200.64	987.00	814.49
360.0	4730.87	4390.93	4011.07	3664.99	3262.88	2881.50	2516.99	2124.10	1758.06
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1450.34	1187.13	921.62	723.64	537.93	393.66	275.10	204.28	137.59
30.0	1025.21	835.67	676.06	547.91	434.33	343.32	267.89	209.95	179.57
60.0	577.30	443.70	331.89	251.93	196.68	153.24	121.09	98.53	83.03
90.0	392.90	282.70	215.79	175.04	143.42	120.25	99.45	82.95	68.37
120.0	529.18	398.42	299.43	226.76	176.04	136.06	110.89	91.55	77.66
150.0	897.83	739.75	602.39	486.52	387.52	309.71	240.04	187.32	152.63
180.0	1530.99	1240.00	988.23	767.22	574.00	407.25	288.38	213.18	149.56
210.0	744.35	607.61	493.42	396.43	314.24	244.26	193.76	166.67	123.16
240.0	392.13	281.40	216.94	171.74	136.13	109.58	91.55	77.27	70.68
270.0	235.97	188.16	153.71	126.00	103.83	87.02	72.52	61.47	52.64
300.0	346.09	265.59	199.90	156.85	125.08	103.44	85.87	72.44	64.61
330.0	672.22	549.13	451.37	363.05	284.24	225.15	175.65	143.04	120.86
360.0	1450.34	1187.13	921.62	723.64	537.93	393.66	275.10	204.28	137.59
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	98.45	69.45	54.94	45.58	38.60	33.84	30.46	27.63	25.17
30.0	134.37	90.93	65.46	51.26	41.52	35.15	30.54	27.47	25.78
60.0	73.59	75.66	74.67	59.55	44.66	34.53	28.85	25.02	21.64
90.0	58.01	49.50	42.97	37.83	33.76	31.16	29.93	30.62	31.77
120.0	67.61	64.69	64.69	63.39	51.11	36.45	29.31	24.86	20.80
150.0	129.23	90.01	60.32	47.04	38.52	32.54	28.47	25.71	24.10
180.0	105.97	73.05	58.47	46.89	39.67	34.53	31.08	27.40	24.79
210.0	84.64	62.54	49.11	40.13	34.07	30.31	27.40	25.48	23.71
240.0	78.58	71.29	53.87	41.59	33.00	27.32	23.56	19.95	17.65
270.0	45.89	40.67	36.14	32.92	31.46	31.85	32.69	29.85	23.17
300.0	62.31	62.92	61.54	47.04	33.61	27.32	23.25	19.88	17.34
330.0	84.87	57.63	44.66	37.52	31.92	28.09	25.86	24.02	22.56
360.0	98.45	69.45	54.94	45.58	38.60	33.84	30.46	27.63	25.17

# 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	22.41	19.80	16.96	14.50	11.66	8.90	5.91	2.53	0.08
30.0	23.79	22.10	19.26	17.27	14.73	12.20	8.90	4.30	1.07
60.0	18.57	16.19	13.89	11.05	8.82	6.68	4.30	2.38	0.54
90.0	29.08	22.48	15.81	12.12	9.06	6.68	4.60	2.38	0.46
120.0	18.11	15.96	13.43	10.44	8.44	6.14	3.99	2.30	0.46
150.0	22.25	20.64	18.49	16.19	13.97	10.97	7.14	3.53	1.00
180.0	21.95	19.64	17.11	14.35	11.97	9.13	6.45	3.30	0.54
210.0	21.64	18.88	16.50	14.35	10.59	7.60	3.68	0.69	0.08
240.0	15.19	12.74	10.05	7.75	5.53	3.61	1.38	0.15	0.00
270.0	16.81	12.58	9.36	6.98	4.91	2.69	0.61	0.15	0.00
300.0	14.96	12.12	9.67	7.67	5.45	3.61	1.46	0.15	0.00
330.0	20.87	18.65	16.11	14.04	10.44	7.44	3.68	0.77	0.00
360.0	22.41	19.80	16.96	14.50	11.66	8.90	5.91	2.53	0.08

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