

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 (30-XL-18RGBWN-C, CT)

报告编号:

电压(V): 36.1000

测试编号: 20210305001

电流(A): 1.9400

光源规格型号: XL

功率(W): 70.1000

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): 3488.29

灯具效能(lm/w): 49.76

中心光强(cd): 8739.646

最大光强(cd): 8970.626

最大光强角度: C=30.0  $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=29.9

[C90/270]Total=30.0

光束扩散角(10%Imax): [C0/180]Total=61.6

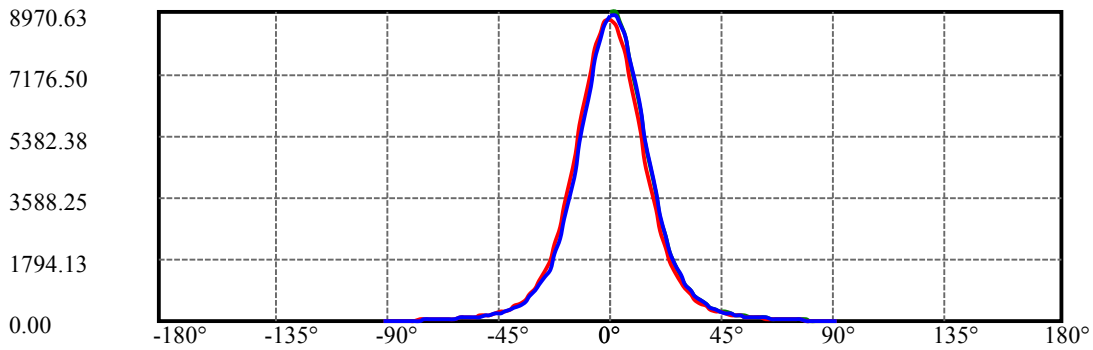
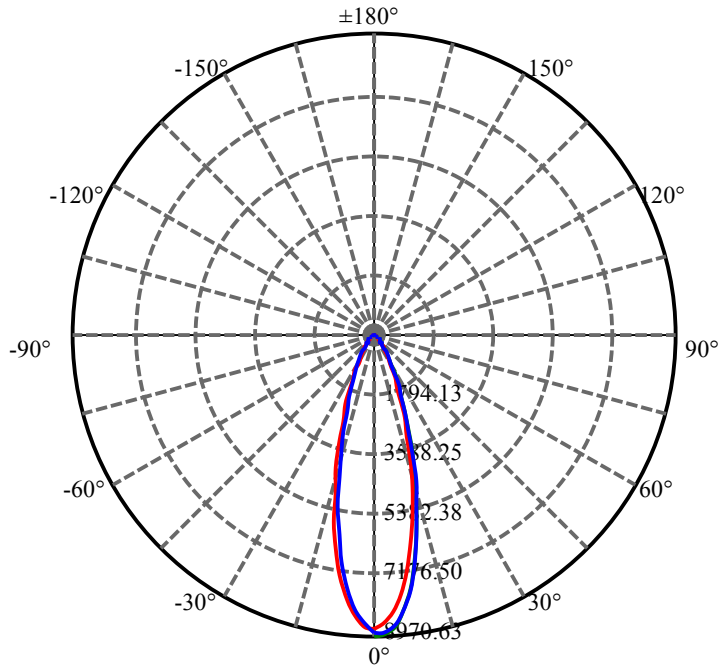
[C90/270]Total=62.0

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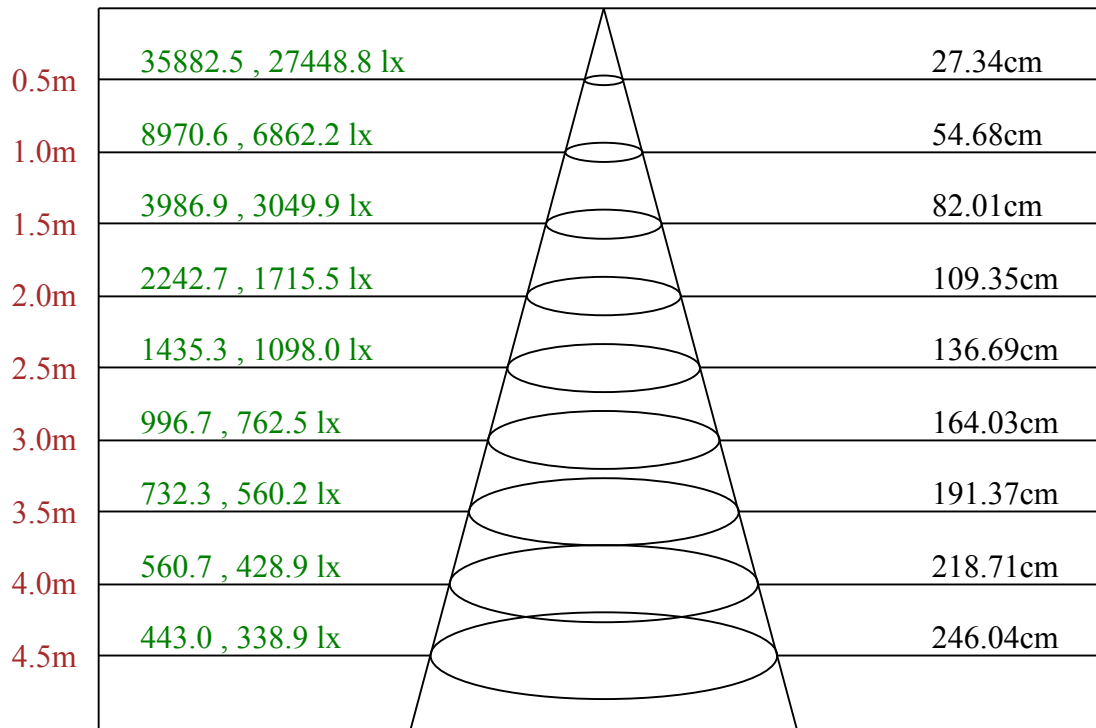
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/5  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

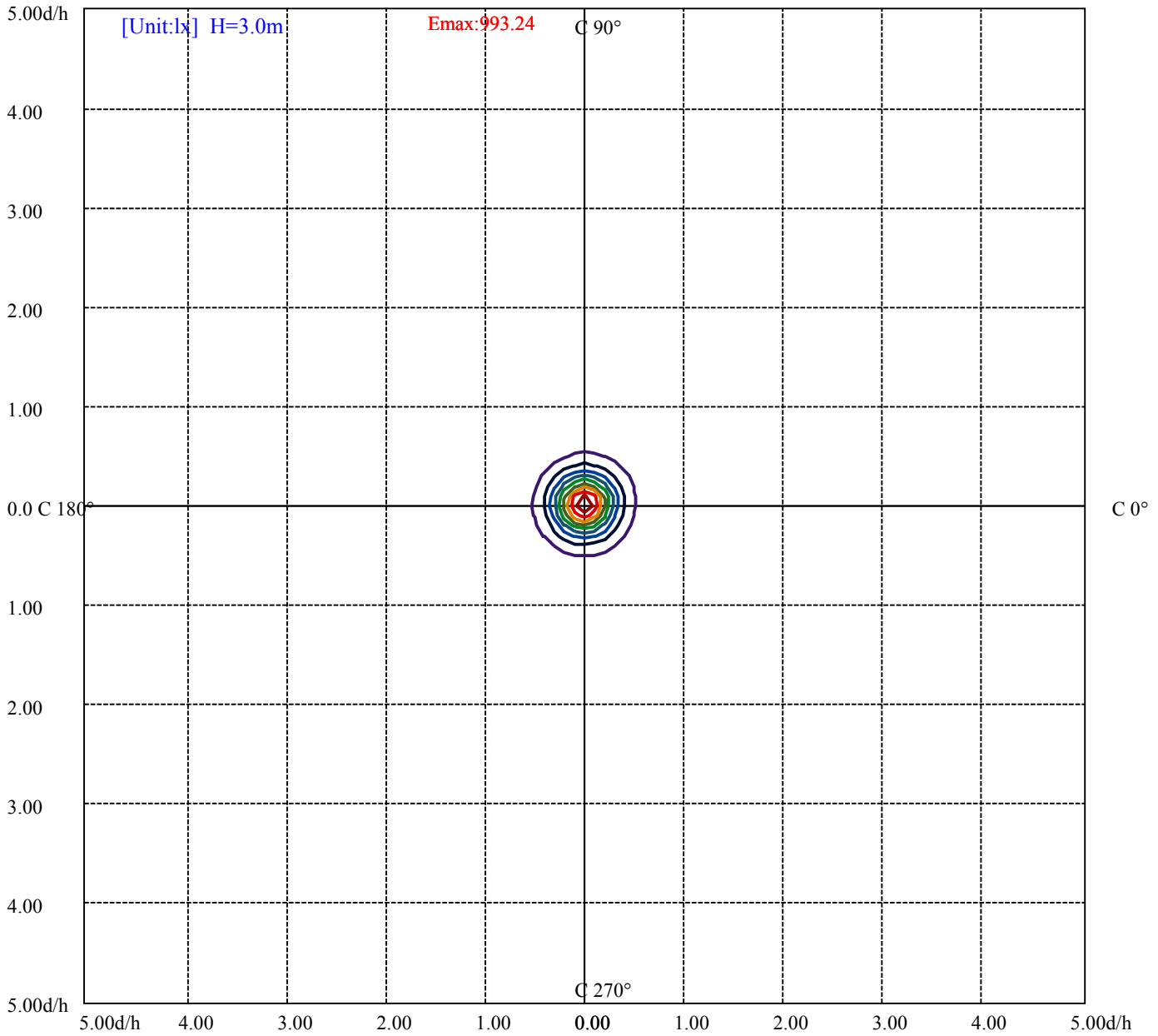


C30(Max): ———  
C0/C180: ———  
C90/C270: ———



Max , Ave    C30面光束角30.57

ROLED 投光灯  
平面等照度曲线



(10%Emax) 99.32388	—
(20%Emax) 198.6478	—
(30%Emax) 297.9722	—
(40%Emax) 397.2955	—
(50%Emax) 496.62	—
(60%Emax) 595.9434	—
(70%Emax) 695.2678	—
(80%Emax) 794.5911	—
(90%Emax) 893.9156	—

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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

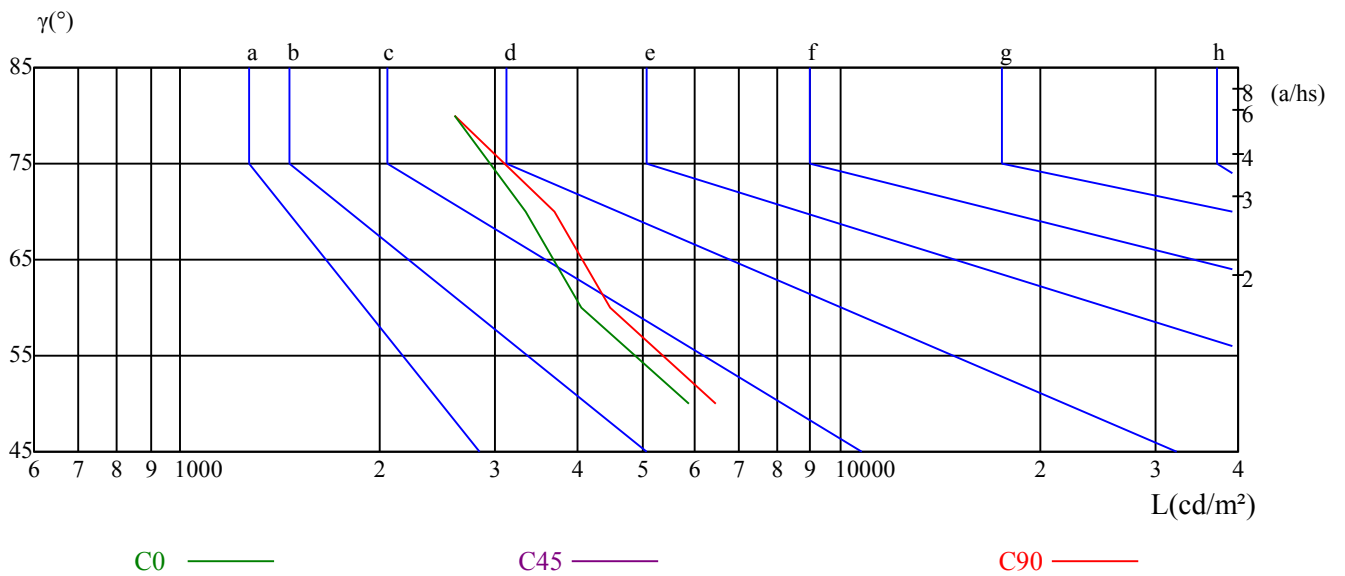
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5875	0	4061	0	3340	0	2609	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6469	0	4476	0	3682	0	2598	0

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	8.03	9.08	8.40	9.39	9.71	7.96	9.01	8.32	9.32	9.63
	3H	9.30	10.23	9.68	10.56	10.93	9.22	10.14	9.60	10.48	10.84
	4H	9.72	10.58	10.13	10.93	11.32	9.67	10.53	10.08	10.88	11.27
	6H	9.95	10.74	10.37	11.11	11.51	9.97	10.75	10.38	11.13	11.52
	8H	9.99	10.73	10.42	11.12	11.53	10.04	10.78	10.48	11.18	11.58
	12H	10.02	10.72	10.45	11.11	11.54	10.13	10.84	10.57	11.22	11.65
4H	2H	8.40	9.26	8.81	9.61	10.00	8.34	9.20	8.74	9.55	9.94
	3H	9.90	10.60	10.32	11.01	11.42	9.84	10.54	10.26	10.95	11.36
	4H	10.44	11.06	10.87	11.49	11.93	10.42	11.05	10.86	11.47	11.92
	6H	10.70	11.24	11.17	11.69	12.16	10.75	11.29	11.22	11.74	12.21
	8H	10.76	11.26	11.23	11.71	12.18	10.86	11.36	11.33	11.81	12.28
	12H	10.79	11.22	11.28	11.71	12.19	10.96	11.39	11.45	11.88	12.35
8H	4H	10.61	11.11	11.08	11.56	12.03	10.60	11.10	11.07	11.55	12.02
	6H	10.97	11.36	11.47	11.86	12.35	11.04	11.43	11.54	11.94	12.42
	8H	11.07	11.42	11.60	11.94	12.44	11.20	11.56	11.73	12.08	12.57
	12H	11.66	11.97	12.18	12.47	13.05	11.84	12.14	12.36	12.64	13.22
12H	4H	10.59	11.02	11.08	11.51	11.99	10.57	11.01	11.06	11.49	11.97
	6H	11.29	11.33	11.51	11.80	12.35	11.35	11.39	11.57	11.86	12.41
	8H	11.11	11.42	11.63	11.91	12.49	11.24	11.55	11.76	12.05	12.63
对应照射距离，改变观察者位置S											
S = 1.0H	1.4/-1.3					1.2/-1.3					
S = 1.5H	2.6/-1.7					2.3/-1.8					
S = 2.0H	4.3/-2.0					3.9/-2.0					
标准表格	BK3					BK3					
更正系数	-0.8					-1.1					

# 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	8739.65	8598.45	8267.71	7737.45	7090.55	6285.58	5462.95	4639.56	3893.67
30.0	8970.63	8946.84	8712.02	8260.04	7632.32	6864.18	6065.34	5217.39	4432.36
60.0	8907.70	8877.01	8641.42	8192.51	7559.42	6779.00	5997.04	5149.86	4366.37
90.0	8832.50	8855.52	8661.37	8245.46	7649.20	6940.15	6113.68	5268.04	4490.68
120.0	8799.50	8780.32	8552.41	8100.42	7506.47	6686.15	5898.05	5047.03	4266.61
150.0	8754.23	8749.62	8528.62	8085.07	7499.57	6747.54	5916.47	5077.73	4304.98
180.0	8739.65	8667.51	8368.24	7900.14	7239.43	6452.10	5667.84	4832.93	4076.30
210.0	8970.63	8773.41	8380.51	7791.17	7038.37	6251.04	5404.63	4560.52	3794.67
240.0	8907.70	8721.23	8334.47	7748.20	7016.12	6168.94	5367.80	4535.96	3755.54
270.0	8832.50	8599.22	8182.53	7573.23	6808.93	6020.06	5174.42	4343.35	3594.39
300.0	8799.50	8606.12	8223.20	7646.90	6920.20	6081.45	5284.15	4458.45	3717.17
330.0	8754.23	8549.34	8164.88	7590.88	6858.04	6046.16	5206.65	4426.22	3678.03
360.0	8739.65	8598.45	8267.71	7737.45	7090.55	6285.58	5462.95	4639.56	3893.67
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3212.24	2615.98	2129.47	1724.29	1397.39	1121.14	923.92	755.10	611.60
30.0	3668.82	3011.95	2439.49	1992.11	1608.42	1304.54	1072.79	878.65	728.24
60.0	3631.99	2978.19	2419.54	1980.60	1525.24	1302.70	1072.18	876.65	725.09
90.0	3726.38	3089.46	2477.09	2021.27	1632.21	1334.47	1083.53	880.95	719.80
120.0	3533.77	2886.87	2351.24	1894.65	1516.80	1229.87	1002.50	810.20	660.48
150.0	3556.79	2933.68	2374.26	1913.07	1539.36	1239.31	1011.40	818.02	668.38
180.0	3333.48	2745.67	2218.48	1808.71	1464.31	1175.31	960.60	779.04	630.32
210.0	3155.45	2553.83	2088.80	1696.67	1377.98	1121.90	927.99	757.32	622.80
240.0	3117.08	2539.25	2065.01	1656.76	1353.65	1095.81	907.04	742.82	606.23
270.0	2975.88	2407.26	1947.60	1515.95	1297.94	1062.51	885.78	704.99	568.55
300.0	3050.32	2482.46	1989.04	1625.30	1312.98	1055.14	867.13	705.22	568.63
330.0	3048.78	2459.44	1992.11	1527.08	1315.05	1065.42	867.06	708.98	577.14
360.0	3212.24	2615.98	2129.47	1724.29	1397.39	1121.14	923.92	755.10	611.60
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	508.00	418.99	348.24	293.75	251.55	214.94	187.62	163.14	142.04
30.0	599.32	495.72	414.38	352.92	300.12	257.45	223.69	194.07	169.82
60.0	592.34	496.11	414.15	352.53	300.04	256.69	223.38	194.38	169.44
90.0	585.51	478.08	395.20	334.27	282.01	240.04	207.65	179.64	158.00
120.0	531.41	438.79	361.74	302.27	257.45	219.24	190.39	165.22	144.04
150.0	541.77	442.01	389.83	307.49	259.22	220.85	191.46	165.45	145.11
180.0	513.99	425.82	352.76	298.89	253.62	216.86	187.85	163.60	143.65
210.0	520.20	431.19	366.19	309.48	266.28	229.98	200.98	174.73	153.63
240.0	507.24	422.06	354.30	301.58	260.06	223.23	195.68	170.66	149.02
270.0	470.94	386.76	323.37	276.10	234.36	201.90	175.19	153.32	135.13
300.0	467.33	389.06	323.14	273.26	234.82	201.36	175.35	152.94	134.90
330.0	477.77	391.82	327.13	276.41	236.43	203.89	176.73	154.47	135.75
360.0	508.00	418.99	348.24	293.75	251.55	214.94	187.62	163.14	142.04
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	125.08	111.04	98.38	87.71	78.50	69.98	62.46	55.63	49.34
30.0	148.87	131.37	115.95	102.44	91.47	81.50	72.98	65.00	57.71
60.0	148.41	131.45	116.41	103.37	92.47	82.34	73.28	65.30	58.17
90.0	137.97	122.40	108.20	96.69	86.02	76.97	69.06	61.47	54.41
120.0	126.46	112.50	99.84	89.40	79.73	71.14	63.46	56.56	50.49
150.0	127.15	111.88	98.99	88.17	78.35	69.91	62.54	55.71	49.04
180.0	125.85	111.19	97.61	85.79	76.12	68.07	60.85	54.48	47.73
210.0	136.06	119.48	105.90	94.16	84.03	75.05	66.99	60.01	53.03
240.0	131.60	116.49	103.90	92.55	82.88	73.59	65.53	57.78	50.95
270.0	120.09	105.74	94.00	83.80	74.97	66.76	58.93	51.57	44.81
300.0	119.33	106.59	94.85	84.72	75.66	67.68	60.47	53.41	47.04
330.0	119.86	106.36	94.69	84.41	75.20	67.68	60.55	54.10	47.96
360.0	125.08	111.04	98.38	87.71	78.50	69.98	62.46	55.63	49.34

# 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	42.97	36.53	30.00	24.33	19.57	14.89	9.36	4.60	0.38
30.0	50.88	44.28	38.22	31.31	24.40	18.57	12.97	5.83	1.92
60.0	50.95	44.74	37.75	29.77	20.72	15.35	10.74	4.37	0.46
90.0	47.42	40.90	33.30	24.94	19.49	14.35	10.51	3.99	0.38
120.0	44.43	38.98	32.84	26.01	18.72	13.81	9.52	3.91	0.38
150.0	40.82	35.45	30.70	23.17	16.04	11.74	10.05	4.83	1.53
180.0	41.21	34.99	28.09	22.48	17.88	13.89	9.98	5.53	0.84
210.0	46.89	39.83	33.30	25.78	19.34	13.28	6.60	2.00	0.23
240.0	43.82	36.76	29.16	20.87	15.81	11.13	4.30	0.31	0.15
270.0	37.52	29.01	22.25	17.57	13.12	8.29	3.30	0.31	0.15
300.0	40.52	34.07	26.78	19.49	14.81	10.36	4.37	0.31	0.08
330.0	42.13	36.30	30.62	24.02	17.88	12.51	6.29	2.15	0.15
360.0	42.97	36.53	30.00	24.33	19.57	14.89	9.36	4.60	0.38

C/γ(°)	90.0
0.0	0.23
30.0	0.15
60.0	0.23
90.0	0.23
120.0	0.23
150.0	0.15
180.0	0.15
210.0	0.15
240.0	0.15
270.0	0.15
300.0	0.08
330.0	0.08
360.0	0.23