

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F2022A-30-UN (20-OL-30WN-C, P1)

报告编号:

电压(V): 220.5000

测试编号: 20210324004

电流(A): 0.1740

光源规格型号: OL

功率(W): 36.3000

每个光源光通量(lm)

功率因数: 0.9430

光源数量: 30

镇流器型号:

发光面长度(mm): 270

发光面宽度(mm): 152

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): 3114.90

灯具效能(lm/w): 85.81

中心光强(cd): 13746.770

最大光强(cd): 13799.720

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=21.2

[C90/270]Total=20.8

光束扩散角(10%Imax): [C0/180]Total=43.3

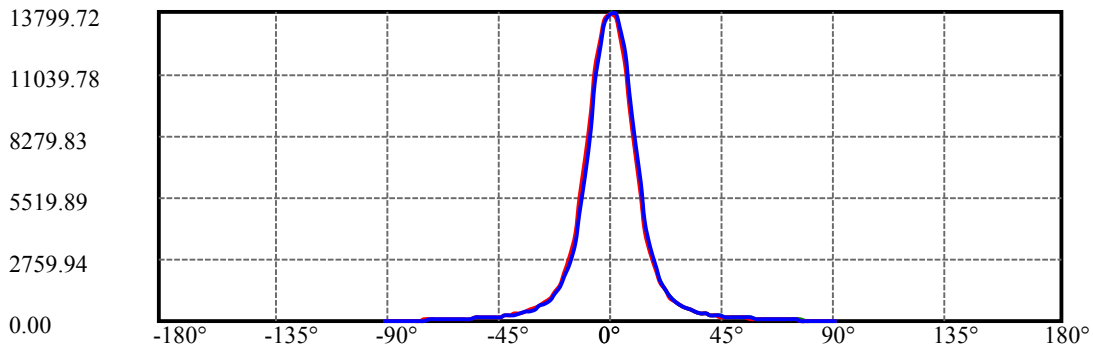
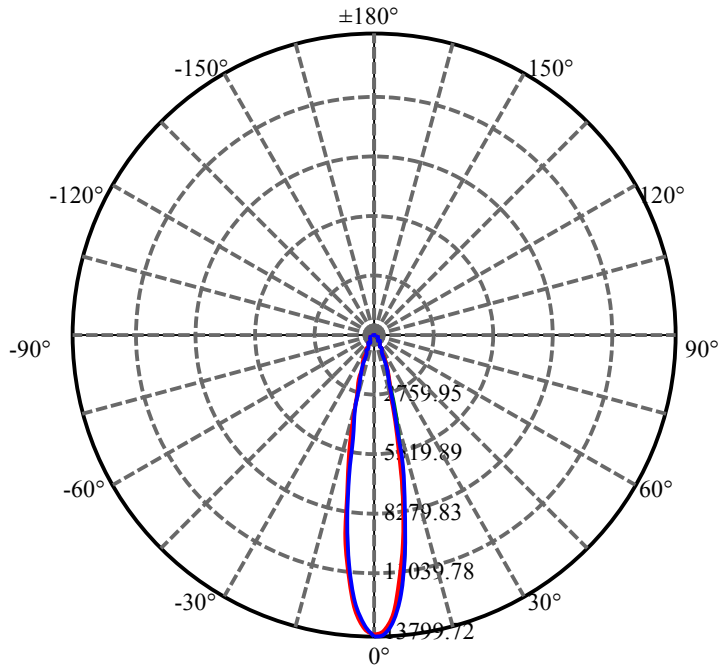
[C90/270]Total=43.1

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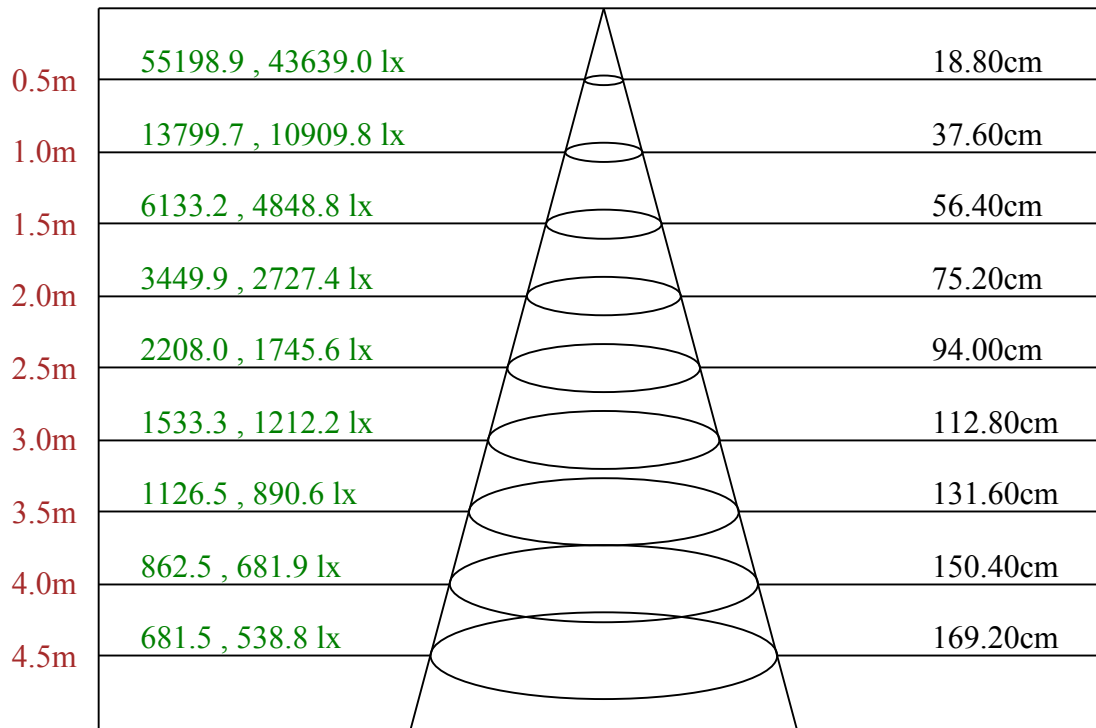
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/24  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

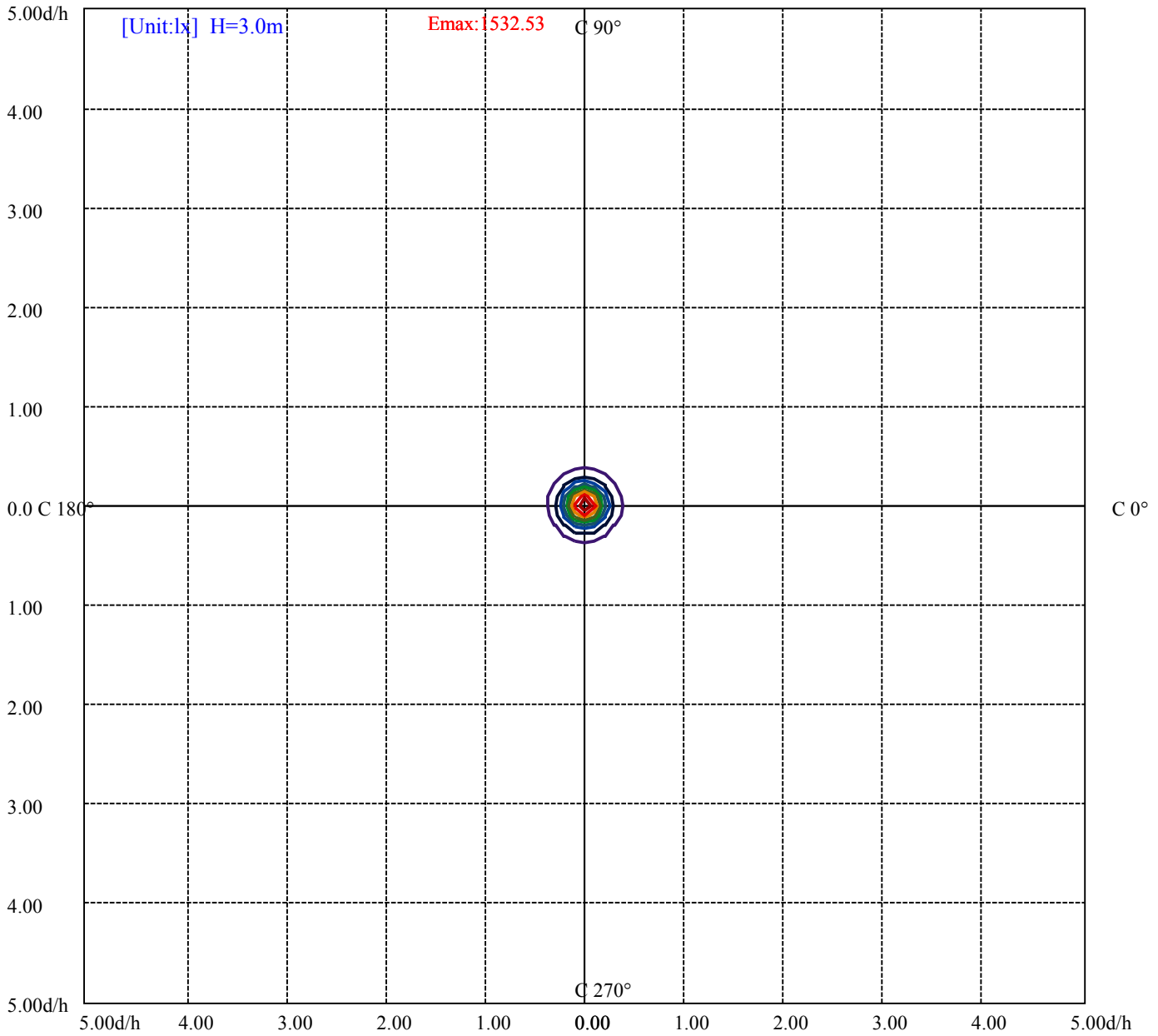


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角21.29

ROLED 投光灯  
平面等照度曲线



(10%Emax) 153.2533	——
(20%Emax) 306.5067	——
(30%Emax) 459.76	——
(40%Emax) 613.0134	——
(50%Emax) 766.2667	——
(60%Emax) 919.52	——
(70%Emax) 1072.773	——
(80%Emax) 1226.022	——
(90%Emax) 1379.278	——

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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

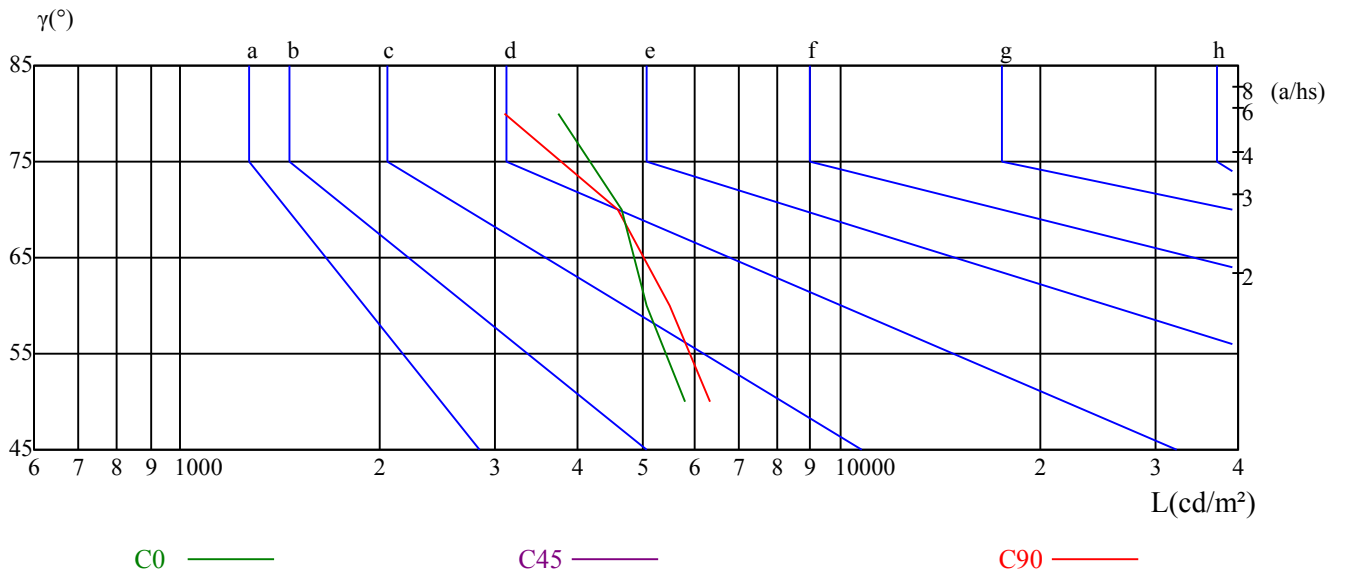
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5824	0	5086	0	4669	0	3747	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6350	0	5494	0	4598	0	3090	0

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	9.95	11.03	10.32	11.34	11.66	9.72	10.79	10.08	11.10	11.42
	3H	11.44	12.39	11.82	12.72	13.09	11.41	12.36	11.80	12.70	13.06
	4H	11.94	12.83	12.35	13.18	13.57	12.02	12.90	12.42	13.25	13.64
	6H	12.16	12.97	12.58	13.35	13.74	12.40	13.21	12.82	13.58	13.98
	8H	12.17	12.94	12.61	13.33	13.74	12.48	13.24	12.92	13.64	14.04
	12H	12.16	12.89	12.59	13.27	13.70	12.54	13.27	12.97	13.65	14.08
4H	2H	10.48	11.36	10.89	11.72	12.11	10.29	11.18	10.70	11.53	11.92
	3H	12.16	12.89	12.58	13.30	13.70	12.23	12.96	12.65	13.36	13.77
	4H	12.78	13.43	13.22	13.85	14.30	12.95	13.60	13.39	14.02	14.47
	6H	13.03	13.59	13.50	14.03	14.51	13.34	13.90	13.81	14.34	14.82
	8H	13.05	13.57	13.52	14.02	14.49	13.45	13.96	13.92	14.41	14.89
	12H	13.03	13.48	13.52	13.97	14.44	13.50	13.95	13.99	14.44	14.91
8H	4H	13.00	13.52	13.48	13.97	14.44	13.15	13.66	13.62	14.11	14.59
	6H	13.33	13.74	13.83	14.24	14.72	13.64	14.05	14.15	14.55	15.04
	8H	13.38	13.74	13.91	14.26	14.76	13.79	14.16	14.32	14.68	15.17
	12H	13.96	14.27	14.48	14.77	15.35	14.39	14.71	14.91	15.21	15.78
12H	4H	12.99	13.44	13.48	13.92	14.40	13.12	13.57	13.61	14.06	14.53
	6H	13.68	13.70	13.87	14.17	14.72	13.98	14.00	14.17	14.47	15.02
	8H	13.41	13.72	13.93	14.22	14.80	13.82	14.13	14.34	14.63	15.21
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.4/-0.6					
S = 1.5H	0.9/-0.8					0.9/-0.9					
S = 2.0H	2.1/-1.2					1.7/-1.1					
标准表格	BK3					BK3					
更正系数	-0.6					-0.6					

# 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	13746.77	13506.58	12733.84	11313.42	9584.53	7527.19	5578.82	4070.16	2998.14
30.0	13799.72	13643.18	12967.12	11668.72	9827.78	7705.99	5828.99	4211.36	3097.90
60.0	13785.91	13626.30	12911.10	11621.14	9771.77	7804.98	5866.59	4236.68	3103.27
90.0	13756.75	13701.50	13103.71	11917.35	10160.83	8058.22	6141.31	4446.18	3255.98
120.0	13761.35	13613.25	12898.82	11687.90	9870.76	7816.49	5973.25	4327.23	3176.17
150.0	13744.47	13625.53	12991.68	11738.55	9933.68	7925.46	5940.26	4308.82	3123.22
180.0	13746.77	13477.42	12631.78	11204.46	9370.43	7306.19	5525.87	3984.98	2890.71
210.0	13799.72	13437.52	12515.14	10971.94	8974.46	6941.68	5092.31	3688.78	2682.75
240.0	13785.91	13449.80	12564.25	11027.96	9113.36	7042.98	5251.92	3820.00	2772.53
270.0	13756.75	13295.56	12261.90	10622.02	8592.31	6477.42	4809.91	3488.49	2554.59
300.0	13761.35	13394.55	12482.14	10931.27	9118.73	7062.93	5183.62	3777.02	2796.32
330.0	13744.47	13383.04	12322.52	10831.51	8843.24	6823.51	5006.36	3634.29	2702.70
360.0	13746.77	13506.58	12733.84	11313.42	9584.53	7527.19	5578.82	4070.16	2998.14

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2210.81	1697.44	1337.54	1050.54	857.93	691.41	573.23	479.61	407.48
30.0	2310.57	1764.20	1370.53	1095.81	879.41	715.96	595.48	495.72	420.52
60.0	2292.92	1733.50	1352.50	1081.00	864.68	711.66	587.50	489.66	417.15
90.0	2403.42	1818.68	1405.07	1119.60	894.76	727.47	605.46	504.17	427.43
120.0	2309.80	1769.57	1378.97	1101.95	880.95	717.34	597.40	497.41	419.91
150.0	2357.38	1795.66	1395.09	1115.76	895.53	736.68	600.86	504.93	424.36
180.0	2154.79	1590.77	1306.07	1049.16	844.42	690.87	571.16	476.39	405.79
210.0	2056.57	1515.18	1265.17	1009.71	819.10	668.69	560.64	470.48	397.50
240.0	2085.73	1608.42	1274.61	997.59	818.79	670.69	559.42	471.17	398.27
270.0	1967.55	1516.95	1218.13	965.28	792.85	648.13	544.07	457.89	388.52
300.0	2079.59	1608.42	1275.38	1008.33	818.02	669.92	557.88	468.87	397.50
330.0	2046.59	1510.12	1245.76	1006.03	815.95	671.91	556.73	466.41	394.05
360.0	2210.81	1697.44	1337.54	1050.54	857.93	691.41	573.23	479.61	407.48

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	348.24	301.73	262.52	232.13	206.58	184.94	168.06	153.63	141.66
30.0	361.20	312.09	272.34	241.57	215.10	193.30	176.50	161.84	149.41
60.0	355.45	310.63	272.42	242.57	216.78	195.76	179.57	165.06	152.78
90.0	376.40	317.85	278.33	247.86	221.39	199.52	182.48	167.52	154.55
120.0	360.13	314.55	275.33	244.87	218.47	196.91	179.41	165.52	152.94
150.0	376.70	317.69	277.33	246.17	219.01	196.76	178.80	164.60	151.79
180.0	347.39	302.42	263.82	232.44	206.58	186.55	168.98	154.17	142.04
210.0	344.71	299.58	263.75	232.51	209.26	188.70	173.12	159.38	147.03
240.0	346.70	302.81	265.59	235.20	212.33	192.00	176.11	162.61	150.41
270.0	338.11	295.06	260.68	230.75	208.42	188.54	173.35	159.54	147.18
300.0	345.55	301.27	263.98	233.51	210.41	190.08	174.19	160.46	148.26
330.0	341.79	297.13	259.83	231.75	207.42	188.01	171.59	157.93	145.80
360.0	348.24	301.73	262.52	232.13	206.58	184.94	168.06	153.63	141.66

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	130.15	121.32	112.11	104.36	96.46	88.09	80.50	72.90	65.53
30.0	139.05	129.46	120.78	112.73	105.44	97.99	90.70	82.57	74.21
60.0	142.12	132.99	124.08	115.87	107.05	97.61	86.87	75.97	66.99
90.0	142.96	132.60	122.40	112.73	101.75	91.09	82.11	73.28	64.54
120.0	142.04	132.53	123.24	114.34	105.59	96.61	85.72	75.28	66.38
150.0	141.20	131.22	121.09	109.66	102.21	95.38	84.41	77.74	69.45
180.0	130.30	119.33	110.66	102.91	94.23	85.87	78.66	70.37	63.54
210.0	137.05	127.69	118.94	110.96	103.52	95.77	87.94	79.96	71.60
240.0	139.89	130.61	121.71	112.88	104.59	94.39	83.18	73.36	64.15
270.0	136.06	125.93	115.34	104.75	94.62	84.64	75.74	67.22	59.39
300.0	137.59	128.61	119.25	110.35	101.91	91.70	81.34	71.90	62.46
330.0	135.60	126.77	118.02	110.58	102.91	95.15	87.33	79.04	70.45
360.0	130.15	121.32	112.11	104.36	96.46	88.09	80.50	72.90	65.53

# 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	57.32	50.34	42.28	34.30	26.70	18.11	10.21	2.76	0.69
30.0	65.99	56.79	47.42	35.99	26.63	18.80	9.52	3.30	0.92
60.0	57.55	50.34	42.90	31.85	21.49	13.05	5.53	1.69	1.07
90.0	57.55	50.57	40.44	29.70	22.02	10.97	3.38	2.00	1.30
120.0	57.40	50.11	42.90	32.61	21.33	13.28	5.53	1.69	1.15
150.0	58.70	50.65	42.74	33.46	23.56	18.42	10.82	4.22	1.00
180.0	55.33	47.35	38.75	32.46	24.17	16.50	9.21	2.84	0.61
210.0	63.69	53.56	43.51	32.61	23.94	16.27	7.37	1.84	0.69
240.0	54.87	47.88	39.90	27.40	19.18	8.75	2.00	1.53	0.92
270.0	51.72	41.75	31.08	23.02	12.20	3.76	2.00	1.53	0.69
300.0	54.02	47.04	38.60	25.94	18.57	7.98	1.92	1.53	0.77
330.0	62.08	52.72	41.59	31.77	23.17	14.81	6.68	1.46	0.69
360.0	57.32	50.34	42.28	34.30	26.70	18.11	10.21	2.76	0.69
C/γ(°)	90.0								
0.0	0.31								
30.0	0.38								
60.0	0.46								
90.0	0.54								
120.0	0.46								
150.0	0.46								
180.0	0.31								
210.0	0.23								
240.0	0.23								
270.0	0.15								
300.0	0.15								
330.0	0.15								
360.0	0.31								