

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3081A-12-UN-RC-Y (3015-XL-12RGBWN-AJ, L380mm, RAL7042, CT)

报告编号:

电压(V): 202.1000

测试编号: 20210225002

电流(A): 0.2790

光源规格型号: XL

功率(W): 54.1000

每个光源光通量(lm)

功率因数: 0.9600

光源数量: 12

镇流器型号:

发光面长度(mm): 320

发光面宽度(mm): 105

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): 2358.86

灯具效能(lm/w): 43.60

中心光强(cd): 12786.790

最大光强(cd): 13073.790

最大光强角度:  $C=30.0$   $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=28.0

[C90/270]Total=13.1

光束扩散角(10%Imax): [C0/180]Total=48.8

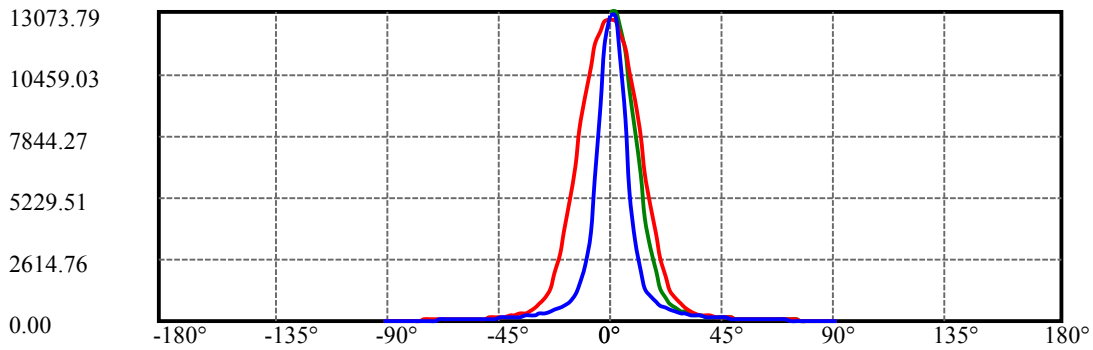
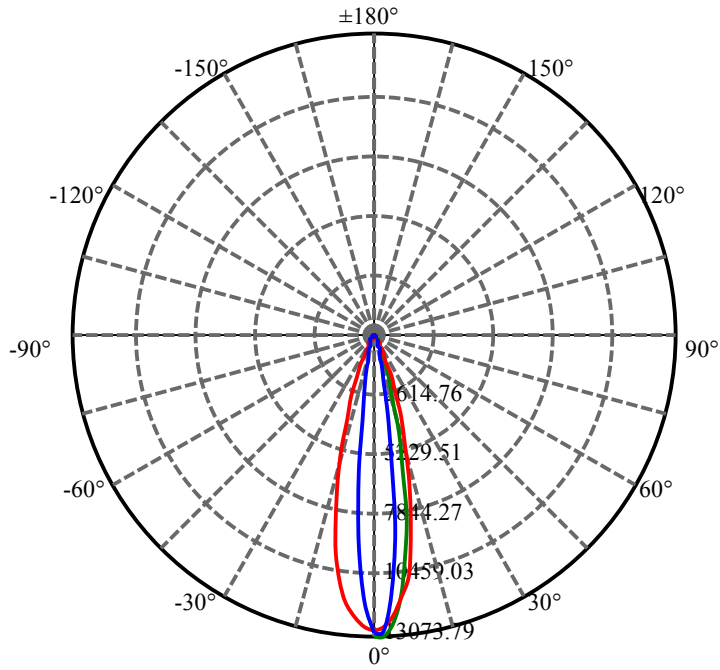
[C90/270]Total=27.7

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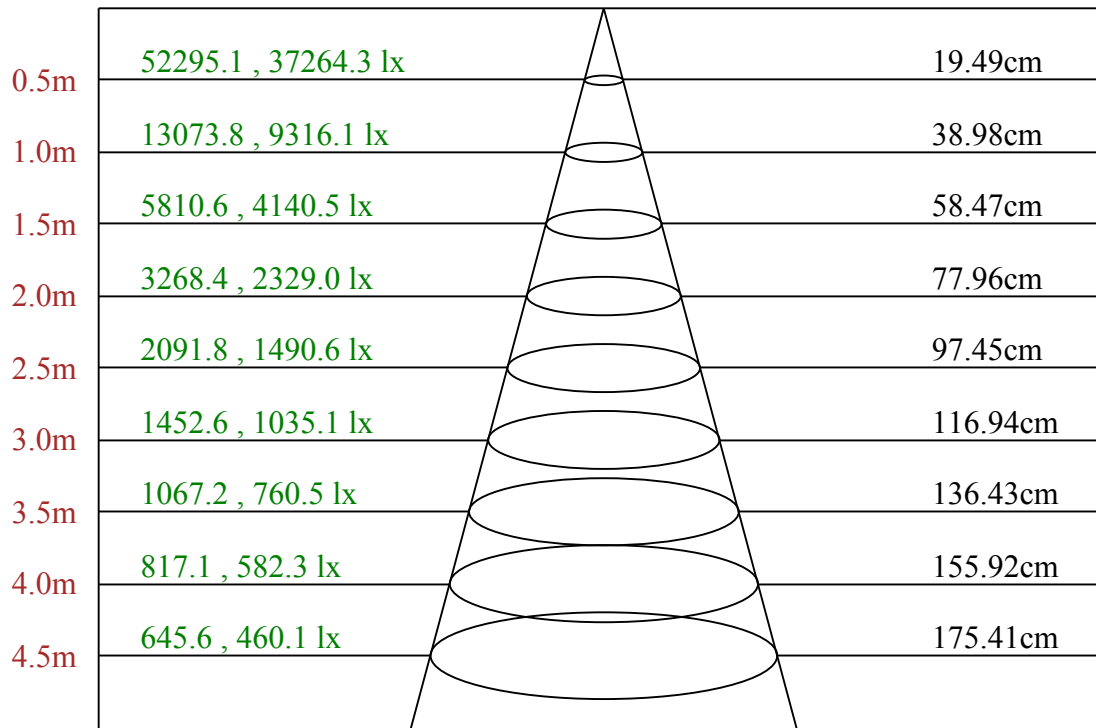
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/25  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

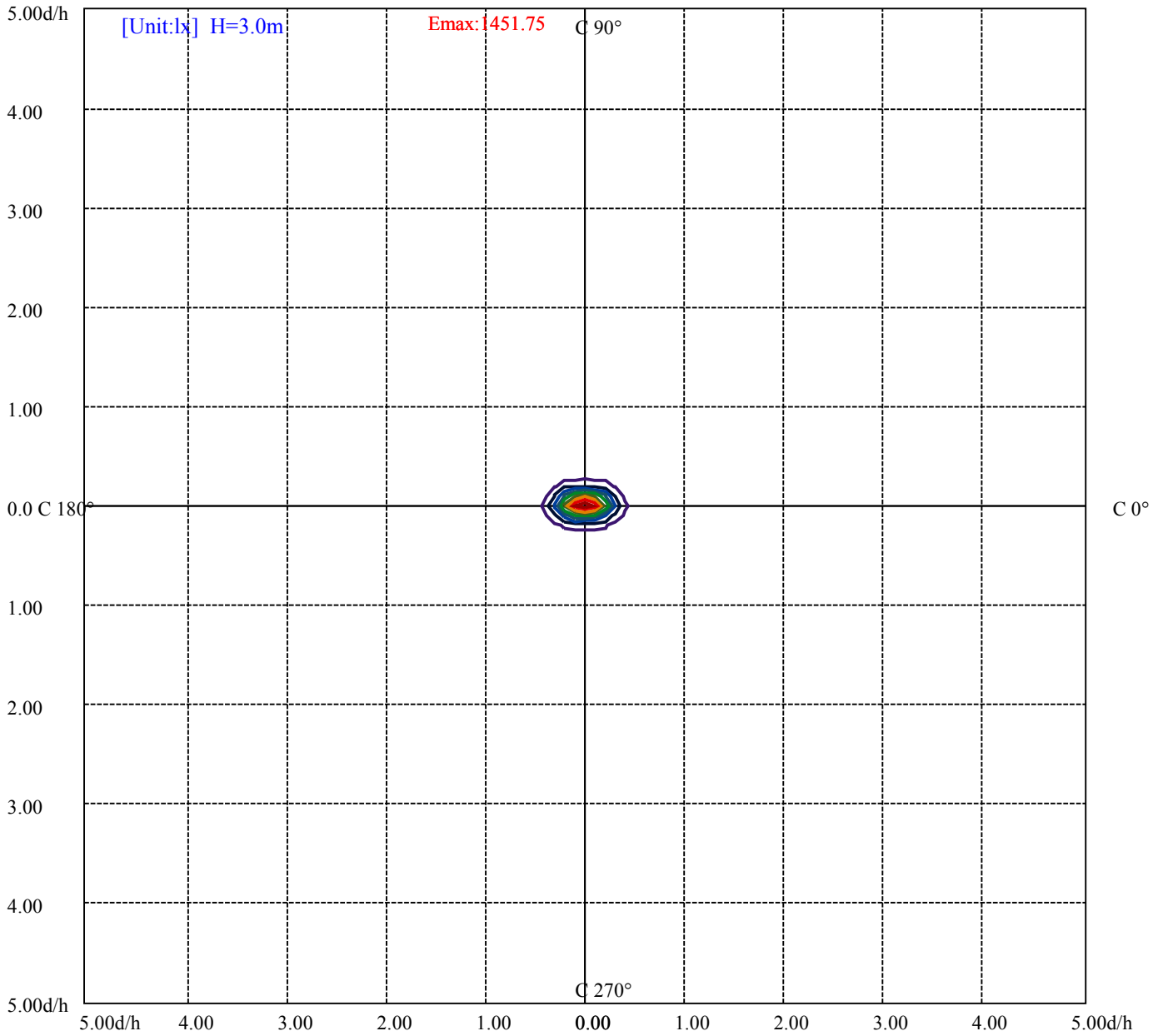


C30(Max): ———  
C0/C180: ———  
C90/C270: ———



Max , Ave    C30面光束角22.05

ROLED 投光灯  
平面等照度曲线



(10%Emax) 145.1744	——
(20%Emax) 290.3489	——
(30%Emax) 435.5244	——
(40%Emax) 580.6989	——
(50%Emax) 725.8733	——
(60%Emax) 871.0478	——
(70%Emax) 1016.222	——
(80%Emax) 1161.4	——
(90%Emax) 1306.567	——

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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

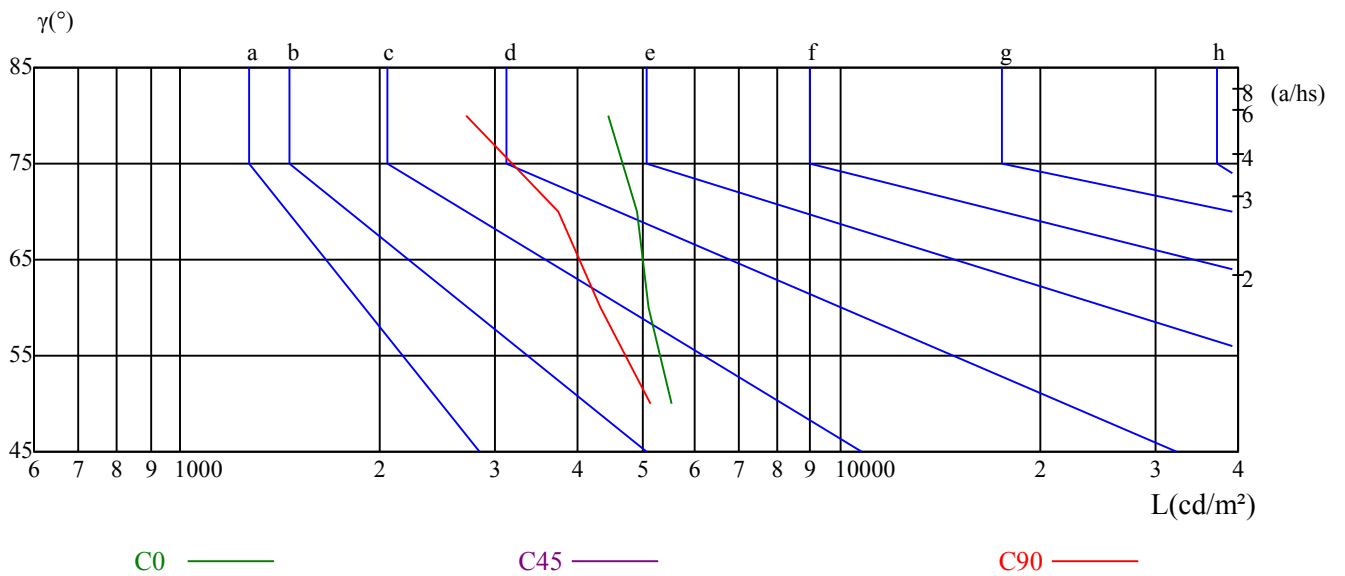
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5557	0	5125	0	4908	0	4459	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5141	0	4321	0	3733	0	2709	0

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	9.82	10.87	10.18	11.18	11.50	10.77	11.82	11.13	12.13	12.45
	3H	11.32	12.26	11.70	12.59	12.96	12.69	13.62	13.07	13.95	14.32
	4H	11.84	12.71	12.25	13.06	13.45	13.37	14.23	13.77	14.59	14.97
	6H	12.13	12.92	12.55	13.30	13.70	13.88	14.67	14.29	15.04	15.44
	8H	12.18	12.93	12.62	13.32	13.73	14.04	14.79	14.48	15.18	15.59
	12H	12.23	12.94	12.66	13.33	13.76	14.23	14.95	14.67	15.33	15.76
4H	2H	10.50	11.37	10.91	11.72	12.11	11.24	12.11	11.65	12.46	12.85
	3H	12.18	12.89	12.60	13.30	13.71	13.41	14.13	13.83	14.53	14.94
	4H	12.79	13.42	13.23	13.85	14.30	14.19	14.83	14.63	15.25	15.70
	6H	13.10	13.64	13.57	14.09	14.57	14.70	15.25	15.17	15.70	16.17
	8H	13.17	13.68	13.65	14.13	14.61	14.90	15.41	15.38	15.86	16.33
	12H	13.22	13.66	13.71	14.15	14.62	15.10	15.54	15.59	16.03	16.51
8H	4H	13.09	13.60	13.57	14.05	14.53	14.33	14.84	14.80	15.29	15.76
	6H	13.51	13.92	14.02	14.42	14.91	14.93	15.34	15.44	15.84	16.33
	8H	13.64	14.00	14.17	14.52	15.02	15.20	15.55	15.73	16.08	16.57
	12H	14.23	14.54	14.75	15.03	15.61	15.92	16.23	16.45	16.73	17.31
12H	4H	13.10	13.54	13.59	14.03	14.50	14.30	14.74	14.79	15.23	15.71
	6H	13.88	13.91	14.09	14.38	14.93	15.26	15.29	15.46	15.76	16.31
	8H	13.71	14.02	14.24	14.52	15.10	15.23	15.53	15.75	16.03	16.61
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.4/-0.5					
S = 1.5H	0.7/-0.8					0.8/-0.7					
S = 2.0H	1.5/-1.0					1.6/-0.8					
标准表格	BK3					BK3					
更正系数	-1.8					-0.7					

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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	12786.79	12644.05	12218.16	11493.76	10569.84	9311.34	7768.15	6232.63	4904.30
30.0	13068.41	13073.78	12487.51	11394.77	9814.74	8039.03	6149.75	4406.27	3087.92
60.0	13063.04	12819.78	11418.55	9155.56	6425.24	4166.08	2679.68	1525.47	1222.58
90.0	12934.12	12850.48	11283.50	8526.31	5506.69	3416.36	2127.93	1407.37	1031.35
120.0	12952.54	12787.55	11391.70	9132.54	6412.96	4177.59	2711.14	1769.57	1258.34
150.0	12831.29	12920.31	12470.63	11473.04	9965.91	8251.59	6400.68	4648.00	3298.18
180.0	12786.79	12674.75	12300.27	11677.93	10740.19	9526.97	8130.35	6561.06	5119.93
210.0	13068.41	12508.23	11460.76	9900.69	8144.16	6393.01	4684.06	3337.32	2306.73
240.0	13063.04	12114.56	10189.99	7494.96	5030.92	3318.13	2142.51	1460.32	1052.84
270.0	12934.12	11585.08	9061.94	6005.48	3736.35	2371.96	1506.51	1112.85	843.65
300.0	12952.54	11966.46	10004.28	7307.72	4885.12	3217.61	2080.36	1422.72	1029.82
330.0	12831.29	12191.30	11044.08	9418.77	7643.83	5825.92	4292.70	3045.72	2109.52
360.0	12786.79	12644.05	12218.16	11493.76	10569.84	9311.34	7768.15	6232.63	4904.30

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3658.85	2648.21	1896.19	1313.75	942.34	694.48	531.79	418.22	344.32
30.0	2091.10	1408.13	980.71	730.54	557.88	443.54	389.83	309.18	265.13
60.0	897.75	696.09	564.25	473.32	400.03	345.24	296.51	260.22	228.45
90.0	799.61	653.04	536.40	458.89	394.43	348.47	308.56	274.18	245.87
120.0	931.75	728.62	595.33	502.71	427.20	367.42	320.46	278.79	243.80
150.0	2261.46	1572.35	1082.00	804.21	613.13	492.66	402.87	336.88	287.31
180.0	3855.30	2838.52	1992.11	1411.05	988.07	719.11	549.82	429.12	347.54
210.0	1506.13	1166.80	865.68	655.57	520.05	422.75	355.45	302.12	258.84
240.0	807.28	643.83	533.33	445.85	387.52	328.05	286.46	251.55	221.85
270.0	679.59	561.49	475.54	405.25	352.53	308.79	274.03	243.41	216.17
300.0	794.23	637.69	532.56	448.15	389.83	333.12	290.45	254.08	223.08
330.0	1507.28	1088.68	819.40	621.96	504.17	411.85	346.39	293.75	250.78
360.0	3658.85	2648.21	1896.19	1313.75	942.34	694.48	531.79	418.22	344.32

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	283.32	240.50	205.12	176.80	156.93	141.66	129.92	120.02	111.65
30.0	227.53	200.59	177.88	160.61	145.95	134.21	124.93	116.64	109.35
60.0	203.43	181.48	163.60	149.64	136.67	126.77	117.72	109.96	102.37
90.0	219.09	193.84	171.89	156.62	143.27	129.92	120.17	111.04	102.83
120.0	214.33	191.00	171.12	155.93	142.58	131.37	121.71	113.34	105.51
150.0	246.02	213.18	187.62	168.44	152.48	140.12	129.46	120.48	112.73
180.0	287.69	245.41	209.80	178.65	159.08	143.65	131.53	121.40	113.19
210.0	226.22	199.21	178.26	160.23	146.42	134.67	125.54	117.64	110.35
240.0	197.60	177.34	160.38	146.03	134.98	125.01	116.41	108.43	101.06
270.0	192.69	172.28	153.55	140.28	129.00	118.87	110.04	102.67	95.46
300.0	197.83	177.11	160.00	145.42	134.60	124.47	115.95	108.20	100.76
330.0	218.70	192.69	171.36	154.63	142.12	130.91	122.24	114.49	107.43
360.0	283.32	240.50	205.12	176.80	156.93	141.66	129.92	120.02	111.65

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	104.67	98.15	92.09	86.10	81.03	75.43	69.68	63.31	56.40
30.0	103.14	97.61	92.47	87.94	82.49	77.04	71.67	65.07	58.47
60.0	95.46	89.71	83.57	77.04	69.91	63.69	57.78	52.10	46.20
90.0	95.15	87.63	79.50	72.59	66.30	60.47	54.87	49.04	42.90
120.0	98.38	92.24	86.10	79.88	72.75	65.99	59.86	53.64	47.88
150.0	106.20	100.60	95.00	90.32	84.87	79.04	73.82	67.84	61.16
180.0	105.97	99.61	93.24	87.10	81.42	76.12	70.29	63.77	57.17
210.0	104.52	98.99	93.62	88.86	83.87	77.81	72.06	66.38	59.16
240.0	94.46	88.40	82.26	75.28	68.99	62.85	56.86	51.11	45.43
270.0	88.79	81.42	74.44	68.30	62.85	56.94	50.95	45.35	39.14
300.0	93.85	88.09	82.11	75.28	68.53	62.16	55.94	50.03	44.20
330.0	101.37	95.92	91.01	85.95	80.73	75.28	69.52	63.39	56.17
360.0	104.67	98.15	92.09	86.10	81.03	75.43	69.68	63.31	56.40

# 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	49.57	43.05	37.22	31.23	26.01	18.57	13.28	7.37	1.46
30.0	50.88	42.51	32.15	24.71	19.26	13.05	8.82	3.22	1.23
60.0	40.13	33.92	27.63	22.18	16.50	9.44	5.14	3.45	1.46
90.0	37.22	32.00	26.86	22.56	15.81	9.36	6.37	3.91	1.69
120.0	41.75	35.45	29.16	23.25	18.34	11.20	5.68	4.07	1.46
150.0	54.02	46.81	37.52	28.55	21.72	16.11	10.21	6.22	1.92
180.0	50.49	44.05	37.75	32.08	26.86	19.88	14.04	8.06	2.30
210.0	51.72	42.05	32.31	24.94	19.57	13.97	9.44	3.38	1.53
240.0	39.14	33.07	27.01	21.79	17.80	8.98	5.06	3.15	1.38
270.0	33.38	28.24	24.48	19.34	11.97	6.45	5.22	1.92	1.23
300.0	37.68	31.39	25.40	20.49	16.27	7.60	4.68	2.46	1.07
330.0	48.50	39.83	30.31	23.02	17.34	11.59	7.90	2.15	0.84
360.0	49.57	43.05	37.22	31.23	26.01	18.57	13.28	7.37	1.46

C/γ(°)	90.0
0.0	0.23
30.0	0.38
60.0	0.61
90.0	0.92
120.0	0.92
150.0	0.77
180.0	0.46
210.0	0.46
240.0	0.31
270.0	0.08
300.0	0.15
330.0	0.15
360.0	0.23