

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

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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 (40-XL-12RGBWN-AJ, L380mm, RAL7042, CT)

报告编号:

电压(V): 202.3000

测试编号: 20210224011

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: 0.9590

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): 2183.85

灯具效能(lm/w): 40.37

中心光强(cd): 3057.993

最大光强(cd): 3130.894

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=43.0

[C90/270]Total=42.8

光束扩散角(10%Imax): [C0/180]Total=80.2

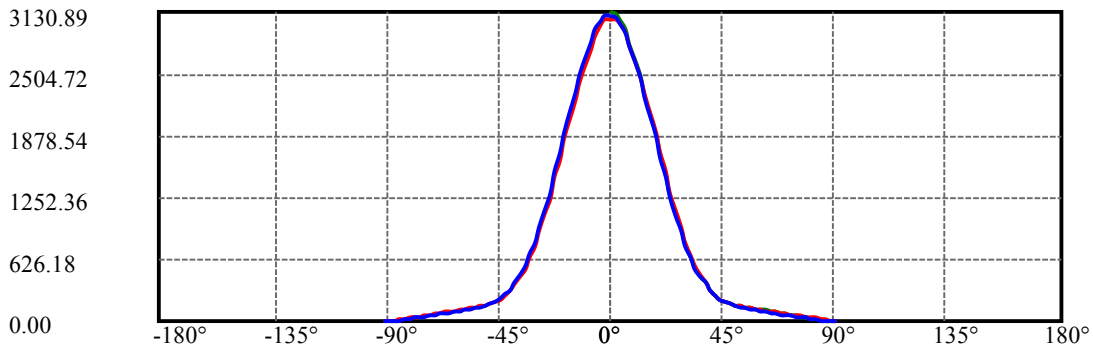
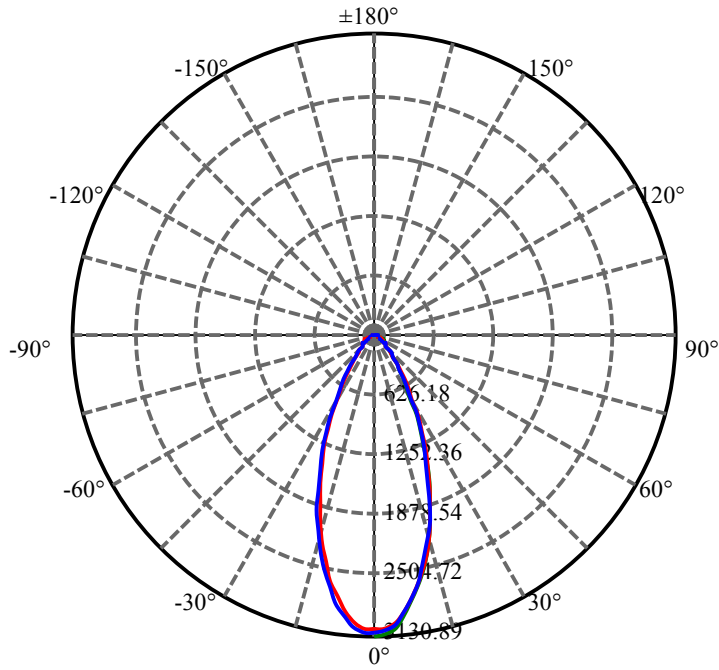
[C90/270]Total=80.3

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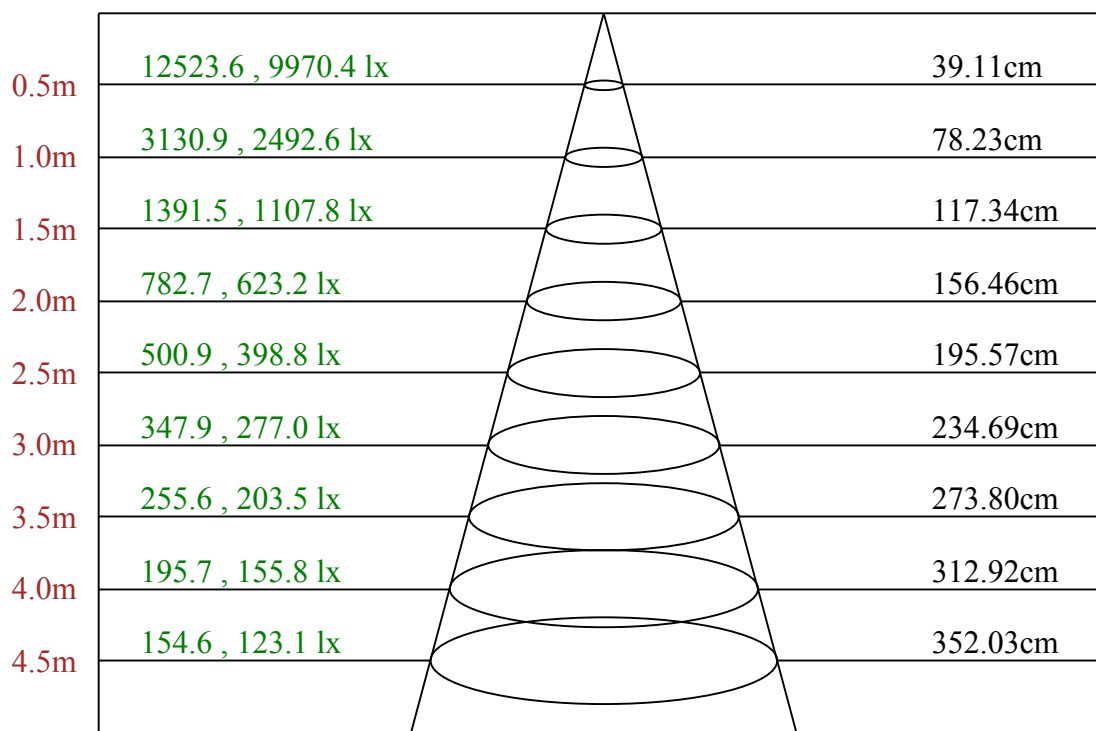
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/24  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

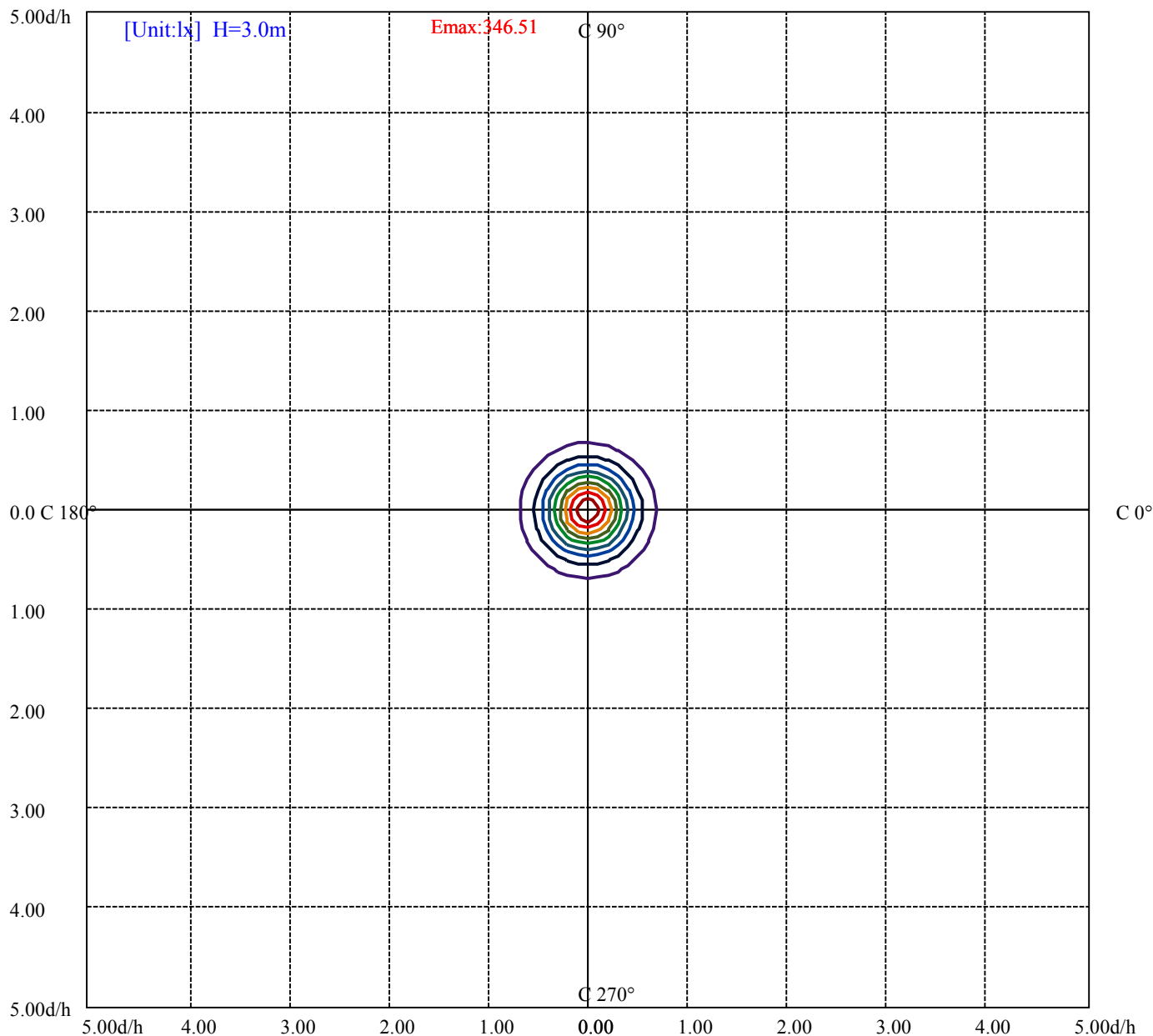


C30(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave    C30面光束角42.72

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平面等照度曲线



- (10%Emax) 34.65122
- (20%Emax) 69.30244
- (30%Emax) 103.9538
- (40%Emax) 138.6044
- (50%Emax) 173.2567
- (60%Emax) 207.9078
- (70%Emax) 242.5589
- (80%Emax) 277.21
- (90%Emax) 311.8611

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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)

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亮度值表

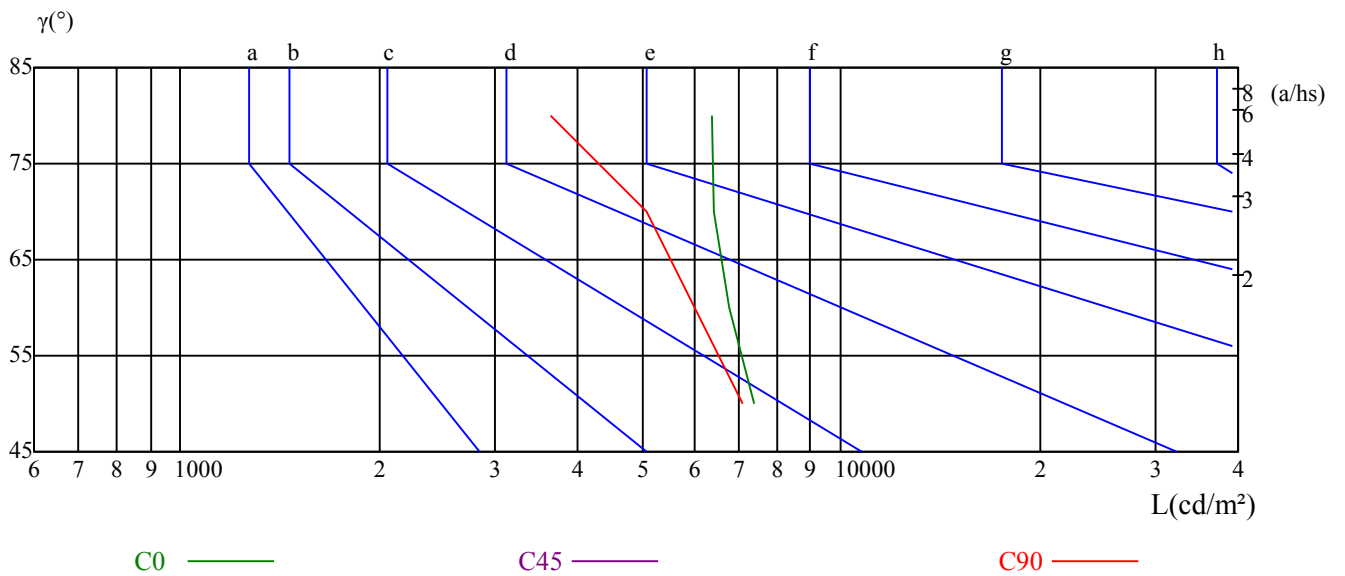
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	7380	0	6792	0	6437	0	6392	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7120	0	6016	0	5075	0	3630	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
858625	840794	0	813591	801400	0	383068	379045	0

眩光等级表

眩光等级	质量等级	使用照度(lx)							
		a	b	c	d	e	f	g	h
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: 2021/2/24  
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	12.71	13.88	13.08	14.20	14.51	13.19	14.36	13.55	14.67	14.99
	3H	14.19	15.23	14.57	15.56	15.93	14.99	16.03	15.37	16.37	16.73
	4H	14.71	15.68	15.11	16.03	16.41	15.67	16.64	16.08	16.99	17.38
	6H	15.06	15.95	15.48	16.32	16.72	16.22	17.11	16.63	17.48	17.88
	8H	15.15	15.99	15.58	16.38	16.79	16.41	17.25	16.84	17.64	18.05
	12H	15.21	16.02	15.65	16.40	16.83	16.63	17.44	17.06	17.82	18.25
4H	2H	13.33	14.30	13.73	14.65	15.04	13.70	14.67	14.11	15.03	15.41
	3H	14.97	15.77	15.39	16.18	16.58	15.74	16.54	16.15	16.95	17.35
	4H	15.59	16.31	16.03	16.73	17.17	16.53	17.25	16.97	17.67	18.11
	6H	15.97	16.58	16.43	17.03	17.50	17.07	17.69	17.54	18.13	18.60
	8H	16.08	16.66	16.56	17.11	17.58	17.30	17.87	17.77	18.32	18.80
	12H	16.16	16.66	16.64	17.14	17.62	17.53	18.04	18.02	18.52	19.00
8H	4H	15.87	16.44	16.34	16.89	17.37	16.70	17.27	17.17	17.72	18.19
	6H	16.36	16.83	16.87	17.32	17.81	17.34	17.80	17.84	18.30	18.78
	8H	16.53	16.94	17.06	17.46	17.96	17.63	18.04	18.16	18.56	19.05
	12H	17.15	17.50	17.66	18.00	18.57	18.37	18.73	18.89	19.23	19.80
12H	4H	15.88	16.38	16.37	16.87	17.34	16.68	17.19	17.17	17.67	18.15
	6H	16.86	16.81	16.93	17.28	17.83	17.80	17.76	17.88	18.23	18.77
	8H	16.61	16.97	17.13	17.46	18.04	17.67	18.03	18.19	18.53	19.10
对应照射距离，改变观察者位置S											
S = 1.0H	0.9/-0.8					0.7/-0.7					
S = 1.5H	1.5/-1.1					1.2/-0.9					
S = 2.0H	3.0/-1.3					2.3/-1.0					
标准表格	BK3					BK3					
更正系数	1.1					1.9					

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光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	3057.99	3046.48	3005.04	2911.42	2773.30	2622.12	2453.30	2286.78	2101.08
30.0	3130.89	3115.55	3057.23	2951.33	2790.95	2635.17	2460.21	2282.94	2085.73
60.0	3106.34	3087.15	3024.23	2893.77	2751.04	2589.89	2422.61	2233.06	2036.62
90.0	3088.69	3074.88	3021.93	2916.03	2775.60	2618.29	2444.86	2262.99	2061.94
120.0	3074.11	3061.06	3005.81	2893.77	2760.25	2603.71	2429.51	2249.95	2050.43
150.0	3065.67	3058.76	3014.25	2920.63	2780.97	2625.96	2457.14	2281.41	2084.19
180.0	3057.99	3049.55	2997.37	2886.10	2744.90	2585.29	2410.33	2232.30	2038.15
210.0	3130.89	3128.59	3085.62	2987.39	2842.36	2675.84	2494.74	2318.24	2117.19
240.0	3106.34	3105.57	3071.04	2981.26	2846.96	2688.89	2517.76	2333.59	2149.42
270.0	3088.69	3084.85	3041.88	2949.79	2816.27	2657.42	2482.46	2309.80	2111.05
300.0	3074.11	3069.50	3033.44	2946.72	2821.64	2675.07	2503.95	2325.92	2145.58
330.0	3065.67	3054.16	3008.11	2905.29	2781.74	2631.33	2463.28	2284.48	2098.77
360.0	3057.99	3046.48	3005.04	2911.42	2773.30	2622.12	2453.30	2286.78	2101.08
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1900.79	1711.25	1509.43	1304.54	1121.14	959.22	800.37	668.38	557.88
30.0	1883.91	1686.69	1477.20	1279.22	1093.51	930.06	775.82	648.43	534.86
60.0	1843.24	1623.00	1436.37	1239.62	1066.19	900.75	759.70	628.33	519.13
90.0	1869.33	1659.07	1453.41	1256.96	1073.56	914.71	765.84	641.53	529.49
120.0	1856.28	1639.12	1453.64	1255.50	1080.08	913.94	765.30	641.30	532.25
150.0	1893.88	1686.69	1478.73	1279.22	1102.72	933.13	782.72	656.87	543.30
180.0	1838.63	1635.28	1451.65	1253.74	1080.16	914.79	765.92	641.53	530.87
210.0	1910.00	1719.69	1520.02	1324.95	1140.01	965.13	806.90	677.98	558.80
240.0	1944.53	1751.92	1548.56	1344.44	1158.74	994.52	833.37	695.24	580.14
270.0	1904.63	1711.25	1512.57	1310.14	1126.20	961.91	804.82	677.67	559.95
300.0	1941.46	1748.85	1546.26	1341.37	1153.37	988.38	828.00	692.94	580.90
330.0	1894.65	1702.04	1501.60	1297.33	1113.23	948.02	792.39	661.17	552.82
360.0	1900.79	1711.25	1509.43	1304.54	1121.14	959.22	800.37	668.38	557.88
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	458.89	390.59	314.70	262.29	222.92	194.68	172.74	159.38	149.02
30.0	443.54	390.59	305.80	255.23	218.01	192.00	172.66	161.46	150.87
60.0	428.96	353.68	295.67	247.40	212.64	187.01	169.13	156.39	145.57
90.0	438.94	387.52	303.57	254.15	216.78	188.85	167.83	153.78	141.27
120.0	441.86	365.35	305.49	255.84	220.16	192.38	173.66	160.54	148.72
150.0	452.75	389.06	314.01	262.21	225.53	196.52	176.34	164.68	154.86
180.0	439.17	362.97	302.73	252.62	216.71	187.78	170.20	158.16	148.10
210.0	462.50	387.37	320.00	266.36	227.07	198.67	177.88	165.52	155.01
240.0	476.54	395.20	328.28	273.88	231.52	200.05	178.18	162.84	150.94
270.0	462.65	383.99	320.07	266.51	226.68	196.22	173.04	157.54	144.27
300.0	480.38	399.04	334.81	276.79	234.97	202.89	180.56	165.52	153.86
330.0	458.66	384.99	317.69	264.97	226.68	198.21	177.34	165.45	155.16
360.0	458.89	390.59	314.70	262.29	222.92	194.68	172.74	159.38	149.02
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	139.66	130.68	122.17	114.11	106.28	98.76	89.78	82.03	73.98
30.0	141.20	132.76	124.08	116.18	108.12	100.60	91.93	83.26	73.90
60.0	135.37	125.54	116.41	106.97	97.61	88.02	78.73	68.68	60.09
90.0	129.92	119.56	110.27	101.06	91.78	82.95	74.05	66.76	58.32
120.0	138.36	128.15	118.56	108.97	99.30	89.48	80.04	69.68	60.62
150.0	144.65	135.37	126.85	118.25	110.20	102.06	92.39	82.88	72.44
180.0	138.66	129.23	121.09	112.50	104.82	96.69	88.71	80.73	72.29
210.0	144.65	136.21	127.23	118.41	109.96	102.06	93.70	85.72	76.05
240.0	139.28	129.76	119.86	110.35	100.76	91.24	81.27	72.21	63.23
270.0	132.07	122.01	111.27	102.14	93.24	84.41	75.51	68.37	60.16
300.0	142.12	131.84	121.63	111.96	102.52	93.01	83.26	73.21	63.62
330.0	144.50	135.83	126.31	118.33	110.35	102.14	94.08	85.33	76.12
360.0	139.66	130.68	122.17	114.11	106.28	98.76	89.78	82.03	73.98

# 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	65.69	58.01	50.26	43.36	37.29	29.31	20.49	13.28	5.29
30.0	64.54	54.87	44.89	35.30	26.78	19.41	12.66	5.83	1.84
60.0	51.87	43.82	35.76	29.24	24.25	14.12	7.60	4.14	1.92
90.0	50.57	42.90	36.22	30.39	21.18	11.36	8.44	3.61	2.15
120.0	52.80	44.51	36.14	27.86	21.49	11.82	6.75	3.30	1.69
150.0	63.46	53.56	42.82	31.16	22.33	17.19	10.51	3.84	1.53
180.0	64.54	56.33	48.19	41.28	34.76	25.63	17.96	9.52	1.00
210.0	66.15	56.40	46.12	36.22	27.86	20.57	13.81	6.14	2.15
240.0	54.71	47.19	39.06	31.77	26.78	18.03	8.44	5.76	2.15
270.0	51.80	44.05	37.22	33.23	25.09	13.97	8.82	5.22	2.38
300.0	55.02	47.42	39.29	32.00	26.86	18.72	8.36	5.60	2.07
330.0	65.53	56.56	46.35	36.53	27.78	20.57	13.35	7.29	2.15
360.0	65.69	58.01	50.26	43.36	37.29	29.31	20.49	13.28	5.29

C/γ(°)	90.0
0.0	0.54
30.0	0.54
60.0	0.46
90.0	0.46
120.0	0.38
150.0	0.38
180.0	0.31
210.0	0.69
240.0	1.00
270.0	0.92
300.0	1.07
330.0	0.84
360.0	0.54