

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3083A-24-UN-RC-Y(30-XL-24RGBWH-AJ, L610mm, C, CT)

报告编号:

电压(V): 201.5000

测试编号: 20210227004

电流(A): 0.5020

光源规格型号: XL

功率(W): 99.7000

每个光源光通量(lm)

功率因数: 0.9850

光源数量: 24

镇流器型号:

发光面长度(mm): 550

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): 4384.88

灯具效能(lm/w): 43.98

中心光强(cd): 10566.770

最大光强(cd): 10921.300

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=30.5

[C90/270]Total=30.4

光束扩散角(10%Imax): [C0/180]Total=63.1

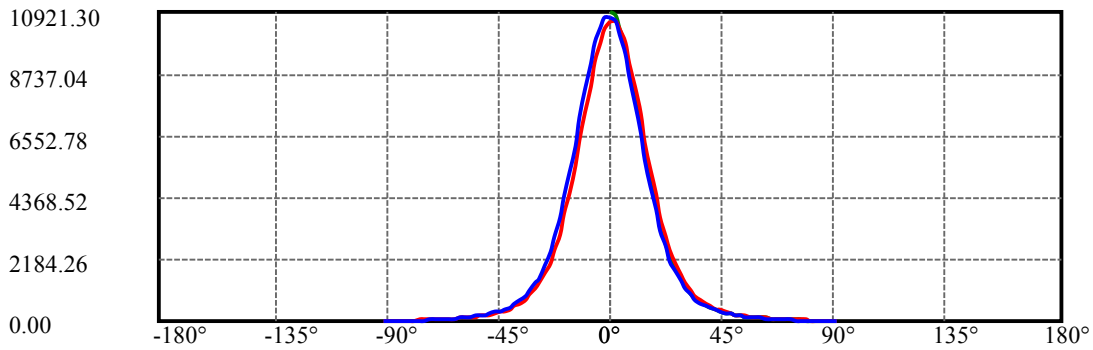
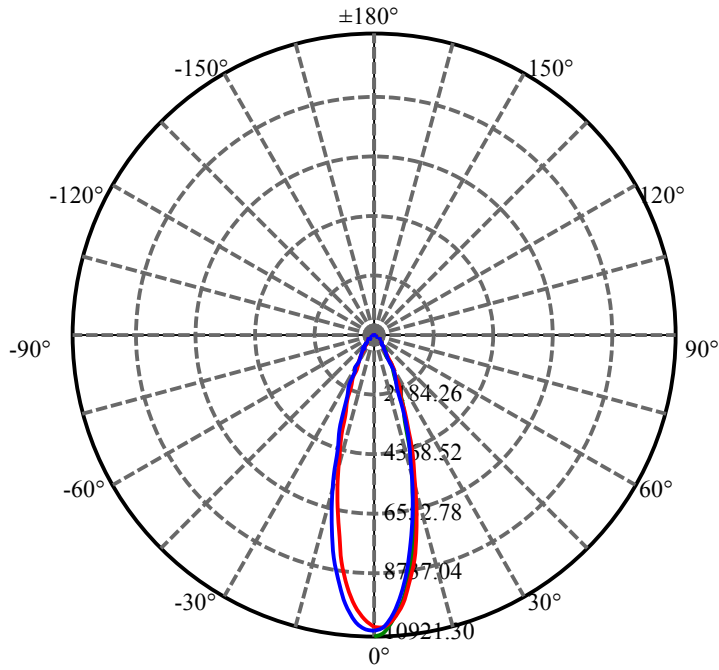
[C90/270]Total=63.1

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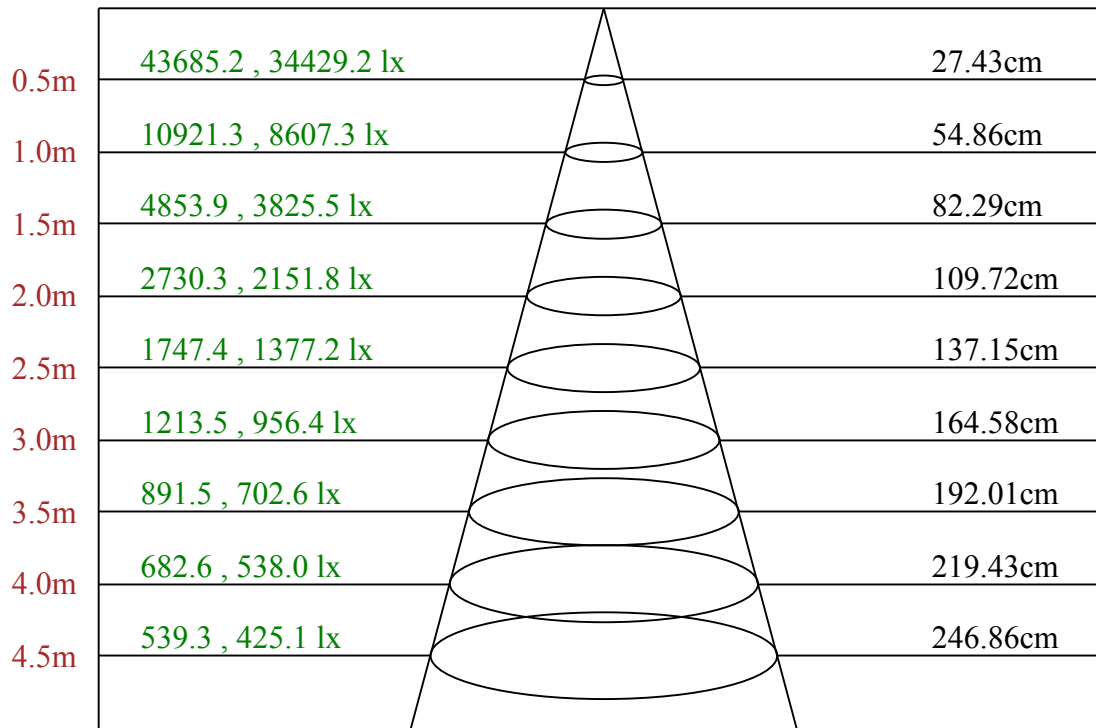
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/27  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

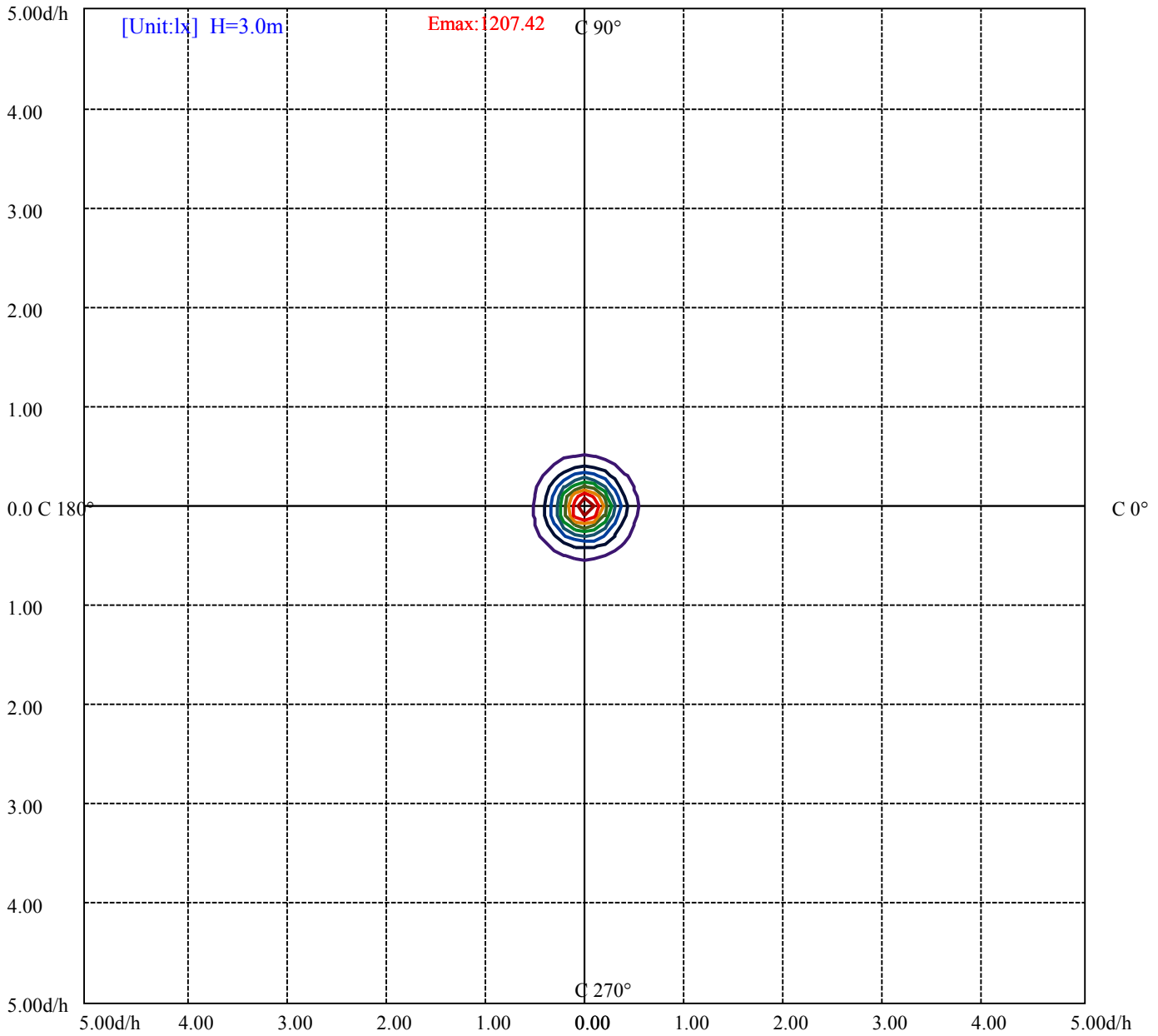


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角30.68

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平面等照度曲线



(10%Emax) 120.7422	—
(20%Emax) 241.4845	—
(30%Emax) 362.2267	—
(40%Emax) 482.9678	—
(50%Emax) 603.71	—
(60%Emax) 724.4522	—
(70%Emax) 845.1945	—
(80%Emax) 965.9366	—
(90%Emax) 1086.679	—

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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

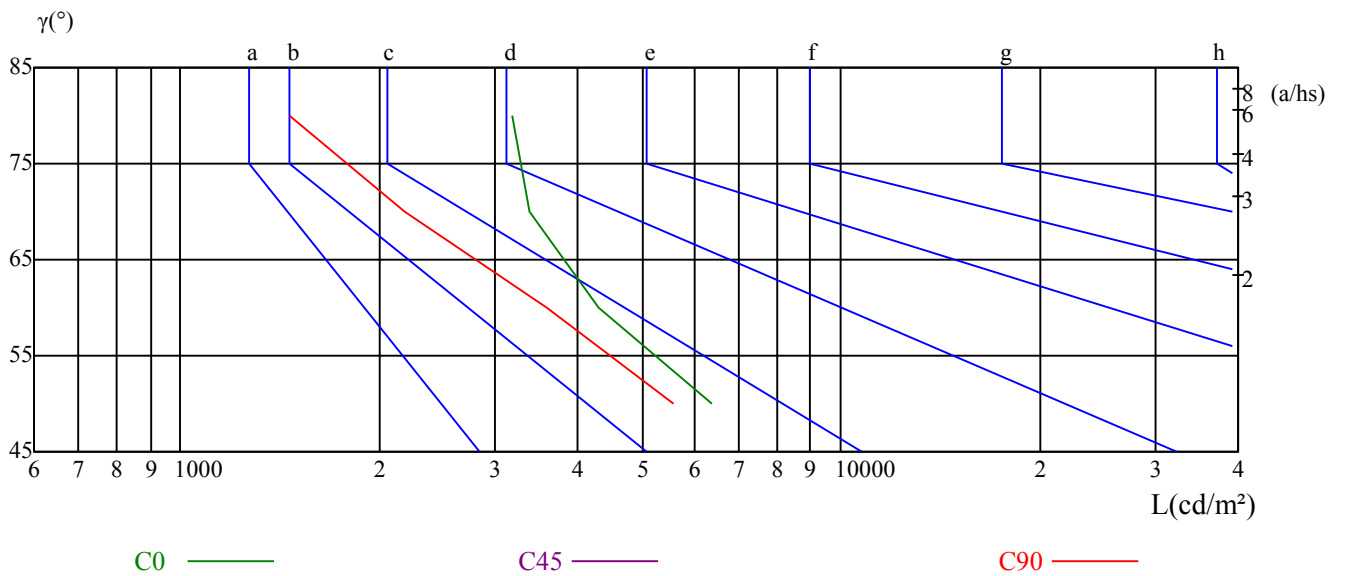
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6373	0	4300	0	3384	0	3176	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5596	0	3588	0	2191	0	1462	0

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	7.20	8.25	7.56	8.56	8.88	7.41	8.46	7.77	8.77	9.09
	3H	7.90	8.83	8.28	9.16	9.53	8.59	9.52	8.97	9.85	10.22
	4H	8.13	8.99	8.53	9.34	9.73	9.05	9.91	9.45	10.26	10.65
	6H	8.28	9.07	8.70	9.44	9.84	9.38	10.17	9.80	10.55	10.94
	8H	8.30	9.05	8.74	9.44	9.85	9.49	10.24	9.93	10.63	11.04
	12H	8.31	9.02	8.75	9.41	9.84	9.64	10.34	10.07	10.73	11.16
4H	2H	7.54	8.40	7.95	8.76	9.15	7.72	8.58	8.12	8.93	9.32
	3H	8.38	9.08	8.79	9.49	9.90	9.14	9.85	9.56	10.25	10.66
	4H	8.68	9.31	9.12	9.73	10.18	9.71	10.34	10.15	10.77	11.21
	6H	8.87	9.40	9.34	9.85	10.33	10.07	10.61	10.54	11.06	11.53
	8H	8.91	9.41	9.38	9.86	10.33	10.21	10.71	10.68	11.16	11.63
	12H	8.92	9.36	9.41	9.84	10.32	10.36	10.80	10.85	11.28	11.76
8H	4H	8.83	9.33	9.31	9.78	10.26	9.77	10.27	10.24	10.72	11.19
	6H	9.10	9.50	9.61	10.00	10.49	10.20	10.60	10.71	11.10	11.58
	8H	9.18	9.53	9.71	10.06	10.55	10.39	10.74	10.92	11.26	11.76
	12H	9.79	10.10	10.31	10.60	11.18	11.10	11.40	11.62	11.90	12.48
12H	4H	8.81	9.25	9.30	9.74	10.21	9.73	10.16	10.22	10.65	11.13
	6H	9.42	9.46	9.64	9.93	10.48	10.49	10.53	10.71	11.00	11.55
	8H	9.21	9.52	9.73	10.02	10.60	10.39	10.70	10.91	11.20	11.78
对应照射距离，改变观察者位置S											
S = 1.0H	1.6/-1.5					1.5/-1.3					
S = 1.5H	3.0/-2.3					2.8/-1.7					
S = 2.0H	5.1/-3.1					4.6/-1.9					
标准表格	BK2					BK2					
更正系数	-3.1					-2.1					

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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	10566.77	10554.49	10292.05	9822.41	9100.31	8273.85	7319.23	6297.09	5340.94
30.0	10921.30	10757.84	10338.86	9674.31	8859.36	7890.93	6859.57	5881.94	4935.00
60.0	10812.33	10600.53	10129.36	9452.54	8575.43	7586.28	6541.88	5591.87	4664.11
90.0	10747.10	10556.79	10139.34	9429.52	8612.26	7653.81	6679.24	5673.21	4746.99
120.0	10664.22	10435.55	9955.94	9234.60	8360.56	7442.01	6426.01	5501.32	4601.19
150.0	10622.02	10417.90	9971.28	9290.62	8484.88	7546.38	6602.50	5620.26	4713.99
180.0	10566.77	10315.84	9859.25	9150.96	8291.50	7384.46	6383.80	5466.02	4529.05
210.0	10921.30	10827.68	10486.96	9927.54	9141.75	8218.60	7193.38	6225.72	5263.43
240.0	10812.33	10770.89	10483.12	9954.40	9193.16	8336.77	7348.39	6355.41	5380.07
270.0	10747.10	10684.18	10377.23	9820.88	9105.68	8212.46	7209.50	6201.93	5293.36
300.0	10664.22	10648.88	10384.13	9912.96	9187.79	8362.86	7349.16	6379.20	5414.61
330.0	10622.02	10577.51	10284.37	9745.68	9051.20	8172.55	7240.19	6241.07	5284.15
360.0	10566.77	10554.49	10292.05	9822.41	9100.31	8273.85	7319.23	6297.09	5340.94
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4454.62	3684.94	3018.09	2478.62	2002.85	1632.98	1332.16	1097.35	903.97
30.0	4108.53	3346.53	2724.18	2204.67	1801.03	1464.92	1193.27	981.47	800.37
60.0	3873.71	3160.82	2557.66	2066.54	1674.41	1377.44	1117.53	919.09	749.19
90.0	3946.61	3215.31	2612.15	2111.82	1731.97	1411.20	1154.13	949.24	773.52
120.0	3788.54	3105.57	2553.06	2069.61	1684.39	1397.70	1144.46	942.80	779.19
150.0	3895.20	3215.31	2618.29	2127.17	1751.15	1433.46	1177.15	980.71	810.35
180.0	3767.05	3084.85	2536.95	2056.57	1672.88	1381.20	1127.12	923.38	756.02
210.0	4353.32	3608.97	2945.19	2381.94	1950.67	1525.31	1288.96	1061.82	865.52
240.0	4480.71	3710.26	3031.90	2458.67	1982.13	1626.07	1317.58	1064.35	876.34
270.0	4386.32	3653.48	2988.93	2416.47	1986.74	1520.02	1337.15	1107.71	907.58
300.0	4565.12	3746.33	3077.18	2535.41	2031.24	1675.95	1374.37	1136.48	942.34
330.0	4382.48	3614.34	2981.26	2410.33	1984.43	1520.71	1338.07	1107.94	928.29
360.0	4454.62	3684.94	3018.09	2478.62	2002.85	1632.98	1332.16	1097.35	903.97
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	743.59	616.20	509.54	432.03	377.09	316.24	271.96	236.58	206.50
30.0	656.11	540.23	455.05	389.83	330.59	284.31	246.25	215.63	187.24
60.0	620.04	513.45	429.35	362.82	310.17	269.50	234.43	206.65	181.41
90.0	634.62	524.89	444.31	387.52	323.60	277.56	238.81	207.73	181.02
120.0	652.65	547.06	465.87	396.58	340.56	294.75	256.46	225.53	197.45
150.0	671.45	560.95	477.31	405.94	352.07	303.50	263.36	229.83	202.74
180.0	626.41	519.13	437.71	369.41	315.16	270.88	234.36	205.35	179.11
210.0	701.23	581.36	481.84	401.34	340.56	293.83	252.85	219.70	193.38
240.0	713.66	580.90	481.91	405.94	343.63	296.67	256.00	222.23	194.91
270.0	729.16	606.84	504.32	420.98	357.98	306.34	263.98	227.76	199.13
300.0	780.42	653.80	550.98	466.56	397.50	345.78	299.20	262.14	229.75
330.0	767.61	642.91	546.06	461.58	399.04	344.24	296.74	258.99	227.14
360.0	743.59	616.20	509.54	432.03	377.09	316.24	271.96	236.58	206.50
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	180.26	158.00	140.58	124.16	109.35	97.07	84.95	75.28	66.84
30.0	165.91	146.34	130.22	115.87	102.75	91.55	80.96	70.91	62.08
60.0	159.69	140.51	124.47	109.50	95.54	82.19	72.22	63.95	55.84
90.0	158.54	138.43	121.17	103.60	86.94	76.45	67.71	59.57	52.28
120.0	173.96	152.55	133.68	117.10	102.37	86.71	75.91	66.48	58.40
150.0	178.41	157.24	139.82	123.78	110.35	97.15	86.48	75.74	65.61
180.0	157.77	139.20	123.01	108.97	96.84	85.26	74.67	66.30	58.40
210.0	169.36	150.87	133.29	118.87	106.05	95.00	84.18	74.51	65.69
240.0	171.05	151.56	133.60	118.10	103.60	90.17	76.35	62.31	48.73
270.0	172.74	151.25	132.07	114.65	97.15	79.50	63.16	53.26	46.35
300.0	201.05	175.81	155.16	135.75	118.71	103.83	87.33	69.37	53.33
330.0	200.36	176.65	156.77	138.13	122.78	109.58	96.31	84.80	74.05
360.0	180.26	158.00	140.58	124.16	109.35	97.07	84.95	75.28	66.84

# 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	59.16	51.57	44.74	38.29	31.85	24.17	18.11	11.59	6.22
30.0	54.10	45.81	36.53	25.09	18.11	12.58	9.36	2.61	1.15
60.0	37.14	31.00	25.94	21.10	17.34	7.21	4.83	2.30	1.38
90.0	37.22	31.85	27.70	22.87	14.66	6.60	5.53	2.38	1.53
120.0	38.45	31.69	26.47	21.72	17.57	7.14	4.60	2.23	1.30
150.0	56.56	47.58	37.52	24.86	18.11	12.82	9.21	2.38	1.07
180.0	51.41	44.12	37.91	31.85	25.63	18.88	13.12	7.14	1.61
210.0	56.86	48.88	40.21	29.85	20.64	15.19	10.21	6.68	2.00
240.0	40.67	34.15	28.09	22.71	18.72	15.27	5.91	4.14	1.92
270.0	39.52	33.00	27.86	24.17	20.11	9.06	5.53	4.07	2.15
300.0	44.43	37.37	30.77	24.94	20.18	16.50	5.68	3.99	1.76
330.0	64.84	55.79	46.35	33.53	22.87	16.42	10.97	7.52	2.07
360.0	59.16	51.57	44.74	38.29	31.85	24.17	18.11	11.59	6.22

C/γ(°)	90.0
0.0	0.46
30.0	0.08
60.0	0.15
90.0	0.15
120.0	0.15
150.0	0.15
180.0	0.15
210.0	0.77
240.0	1.00
270.0	0.92
300.0	0.92
330.0	0.84
360.0	0.46