

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

报告编号:

电压(V): 36.4000

测试编号: 20210305007

电流(A): 1.9260

光源规格型号: XL

功率(W): 70.2000

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): 3757.27

灯具效能(lm/w): 53.52

中心光强(cd): 3442.449

最大光强(cd): 3552.951

最大光强角度:  $C=30.0$   $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=54.9

[C90/270]Total=55.2

光束扩散角(10%Imax): [C0/180]Total=104.1

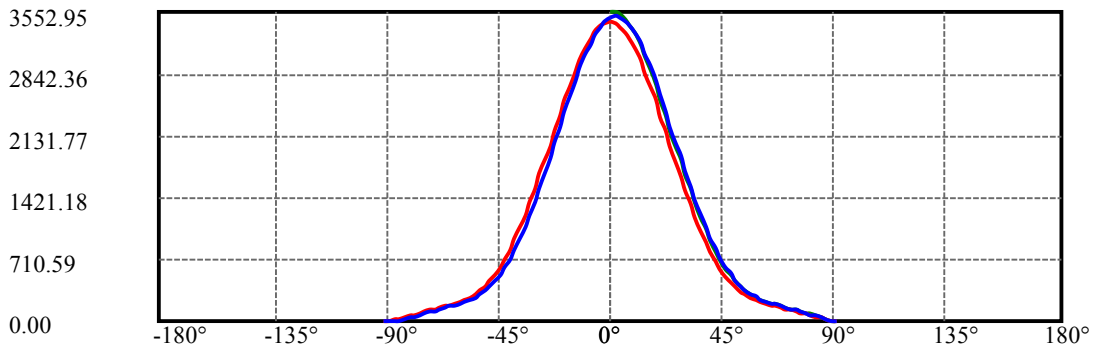
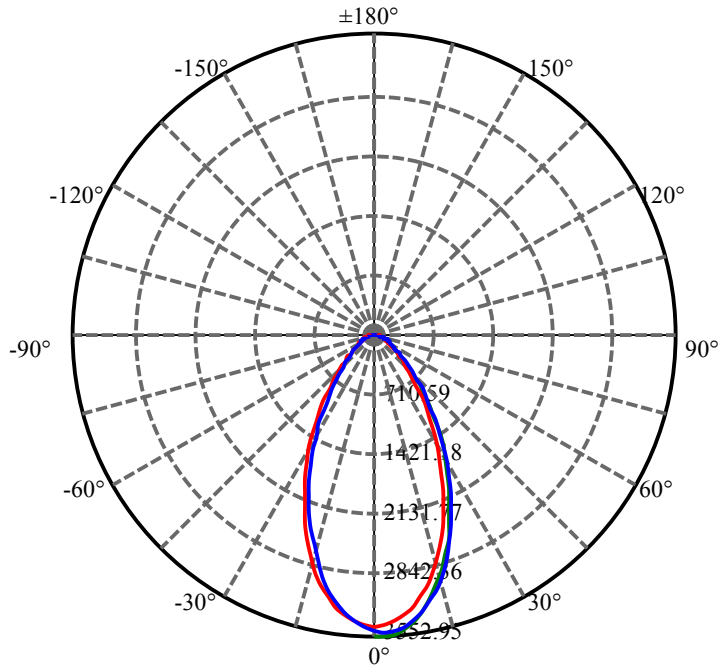
[C90/270]Total=104.5

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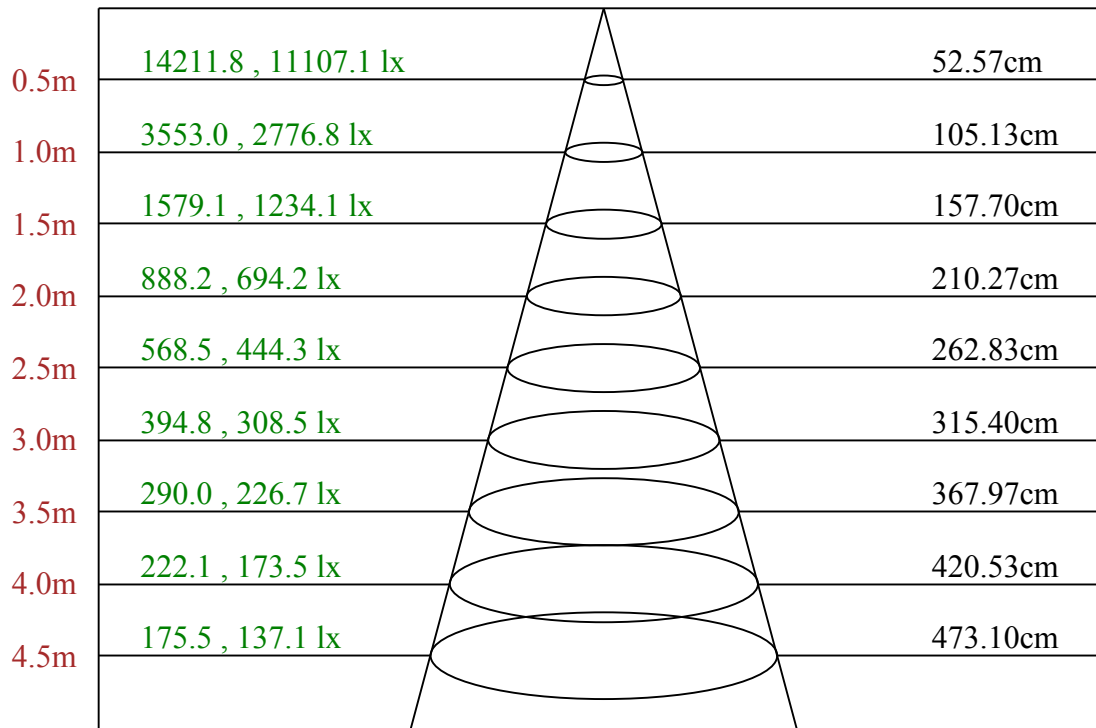
测试设备: GMS1800  
环境温度(°C): 25.0

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

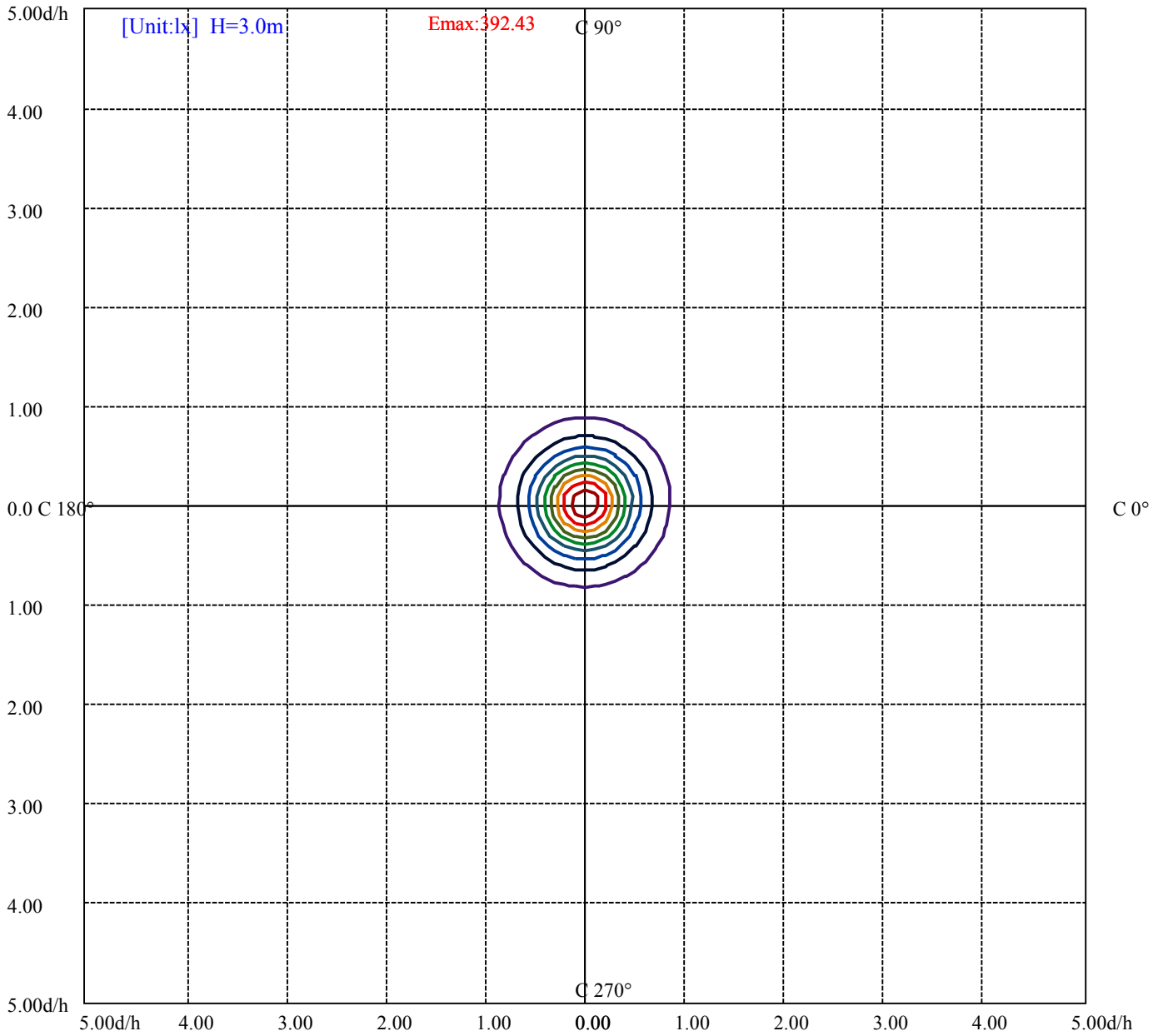


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角55.42

ROLED 投光灯  
平面等照度曲线



(10%Emax) 39.24278	—
(20%Emax) 78.48544	—
(30%Emax) 117.7278	—
(40%Emax) 156.9711	—
(50%Emax) 196.2133	—
(60%Emax) 235.4567	—
(70%Emax) 274.6989	—
(80%Emax) 313.9422	—
(90%Emax) 353.1844	—

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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

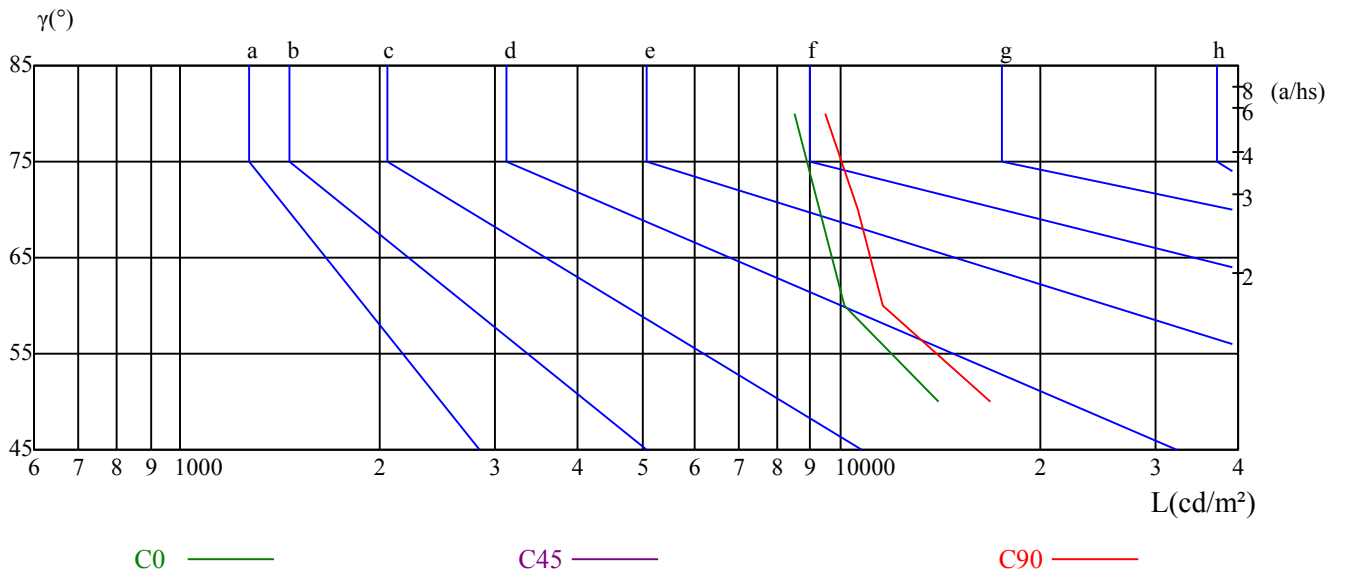
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	14039	0	10114	0	9302	0	8542	0
C45	0	0	0	0	0	0	0	0	0
C90	0	16913	0	11592	0	10642	0	9483	0

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	13.46	14.73	13.82	15.04	15.36	13.35	14.63	13.72	14.94	15.25
	3H	15.05	16.19	15.43	16.52	16.88	14.98	16.11	15.36	16.44	16.81
	4H	15.65	16.71	16.05	17.06	17.44	15.63	16.68	16.03	17.03	17.42
	6H	16.06	17.03	16.47	17.40	17.79	16.12	17.09	16.54	17.46	17.86
	8H	16.16	17.08	16.59	17.47	17.88	16.28	17.20	16.71	17.59	18.00
	12H	16.26	17.14	16.69	17.52	17.95	16.47	17.34	16.90	17.73	18.16
4H	2H	13.96	15.02	14.36	15.37	15.75	13.88	14.93	14.28	15.28	15.67
	3H	15.81	16.68	16.22	17.08	17.49	15.77	16.64	16.19	17.05	17.45
	4H	16.54	17.32	16.98	17.74	18.19	16.57	17.35	17.00	17.77	18.21
	6H	16.98	17.65	17.44	18.10	18.57	17.08	17.75	17.54	18.20	18.67
	8H	17.12	17.75	17.59	18.20	18.67	17.29	17.92	17.76	18.36	18.83
	12H	17.22	17.78	17.71	18.26	18.74	17.48	18.04	17.97	18.52	18.99
8H	4H	16.83	17.45	17.30	17.90	18.37	16.85	17.48	17.32	17.92	18.40
	6H	17.40	17.91	17.90	18.40	18.89	17.51	18.02	18.01	18.52	19.00
	8H	17.60	18.06	18.12	18.58	19.07	17.79	18.25	18.31	18.76	19.26
	12H	18.20	18.60	18.72	19.10	19.67	18.45	18.85	18.96	19.35	19.92
12H	4H	16.84	17.40	17.33	17.88	18.35	16.86	17.41	17.34	17.89	18.37
	6H	18.02	17.91	17.98	18.37	18.92	18.12	18.01	18.08	18.48	19.02
	8H	17.70	18.10	18.21	18.59	19.16	17.88	18.28	18.39	18.77	19.35
对应照射距离，改变观察者位置S											
S = 1.0H	0.6/-0.9					0.7/-1.0					
S = 1.5H	1.2/-1.2					1.3/-1.3					
S = 2.0H	2.4/-1.3					2.1/-1.3					
标准表格	BK3					BK4					
更正系数	5.3					5.4					

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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	3442.45	3427.87	3384.90	3318.90	3236.02	3125.52	2998.91	2853.87	2698.86
30.0	3546.81	3552.95	3528.39	3474.68	3404.08	3302.02	3180.01	3039.58	2888.40
60.0	3516.88	3526.86	3506.91	3460.10	3391.80	3293.58	3181.54	3042.65	2883.80
90.0	3488.49	3503.07	3493.10	3453.19	3391.03	3307.39	3196.89	3074.11	2924.47
120.0	3469.31	3478.52	3460.10	3417.89	3353.43	3264.42	3161.59	3032.67	2881.50
150.0	3452.42	3456.26	3431.71	3381.83	3309.69	3219.91	3107.11	2983.56	2832.38
180.0	3442.45	3429.40	3388.73	3323.51	3240.63	3129.36	3007.35	2861.55	2699.63
210.0	3546.81	3510.75	3450.12	3370.32	3259.05	3134.73	2978.95	2818.57	2643.61
240.0	3516.88	3478.52	3418.66	3334.25	3228.35	3095.59	2947.49	2784.04	2613.68
270.0	3488.49	3443.98	3378.76	3295.11	3185.38	3063.36	2908.36	2751.81	2577.62
300.0	3469.31	3435.54	3377.99	3301.25	3207.63	3087.15	2952.10	2794.78	2626.73
330.0	3450.89	3421.73	3368.01	3297.41	3204.56	3090.22	2956.70	2808.60	2639.77
360.0	3442.45	3427.87	3384.90	3318.90	3236.02	3125.52	2998.91	2853.87	2698.86
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2528.50	2349.71	2175.51	2000.55	1829.42	1659.07	1504.06	1341.37	1188.67
30.0	2716.51	2548.46	2368.12	2189.32	2013.59	1843.24	1683.62	1518.64	1361.33
60.0	2717.28	2546.92	2365.05	2187.79	2022.04	1850.91	1695.13	1523.16	1374.91
90.0	2760.25	2595.27	2414.16	2232.30	2053.50	1889.28	1717.39	1551.63	1395.09
120.0	2715.74	2544.62	2358.15	2172.44	1999.01	1822.52	1654.46	1495.54	1337.61
150.0	2664.33	2497.81	2315.94	2132.54	1955.27	1790.29	1620.70	1456.48	1302.24
180.0	2533.11	2364.29	2187.02	2014.36	1853.98	1688.99	1528.08	1373.53	1221.74
210.0	2474.02	2292.15	2114.89	1952.20	1781.85	1617.63	1462.47	1305.00	1151.06
240.0	2435.65	2255.32	2082.66	1913.07	1745.01	1575.42	1421.18	1261.57	1114.23
270.0	2398.05	2222.32	2041.99	1876.23	1701.27	1525.24	1375.14	1219.59	1070.95
300.0	2444.86	2257.62	2077.29	1899.26	1725.06	1559.31	1393.55	1233.17	1078.93
330.0	2460.21	2282.18	2097.24	1929.18	1750.38	1550.10	1422.87	1263.79	1111.70
360.0	2528.50	2349.71	2175.51	2000.55	1829.42	1659.07	1504.06	1341.37	1188.67
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1045.17	912.41	790.40	686.80	599.32	515.68	450.45	389.83	339.79
30.0	1202.48	1054.37	918.55	803.44	695.24	603.16	524.12	452.75	395.97
60.0	1217.21	1076.24	938.81	817.18	713.74	617.81	534.94	462.34	402.95
90.0	1233.17	1083.53	946.17	828.77	718.26	626.18	543.30	469.63	406.71
120.0	1181.30	1042.79	909.11	792.01	692.79	600.78	521.13	451.37	393.89
150.0	1147.99	1011.40	881.72	766.61	664.55	581.67	503.40	434.33	388.29
180.0	1074.48	945.10	821.25	712.74	617.05	537.16	464.11	400.95	350.31
210.0	1016.31	882.18	766.84	665.39	578.68	501.56	434.64	378.70	331.66
240.0	976.87	851.02	735.91	639.22	557.88	479.61	418.99	365.12	319.54
270.0	942.18	816.10	708.06	613.98	529.34	462.19	400.80	349.92	307.33
300.0	951.55	828.77	722.10	629.25	545.60	470.40	411.31	358.67	315.39
330.0	973.03	850.71	739.06	641.83	554.20	484.60	420.29	366.04	320.07
360.0	1045.17	912.41	790.40	686.80	599.32	515.68	450.45	389.83	339.79
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	299.28	267.51	239.96	218.47	200.44	183.63	169.13	152.17	137.44
30.0	346.16	304.49	271.73	246.48	224.53	205.81	189.47	173.20	158.31
60.0	351.15	311.09	277.02	249.63	227.30	207.96	191.61	175.27	159.77
90.0	357.06	312.86	277.48	250.39	226.99	208.42	190.69	174.35	157.24
120.0	343.32	302.27	270.58	243.87	222.16	203.28	187.47	171.59	156.24
150.0	332.81	292.68	261.06	237.04	216.25	199.29	183.33	167.83	153.24
180.0	306.72	273.34	243.49	221.54	201.82	185.09	168.44	152.25	137.21
210.0	293.75	263.90	239.50	219.16	200.82	185.55	169.51	154.09	138.59
240.0	284.31	256.69	232.67	212.87	195.91	179.49	164.06	146.65	130.84
270.0	274.80	244.95	223.92	204.81	187.24	171.74	154.47	137.74	119.71
300.0	280.17	251.16	227.60	208.27	191.77	175.65	160.54	144.57	128.00
330.0	283.01	253.85	230.37	210.87	193.23	178.65	163.30	147.87	133.75
360.0	299.28	267.51	239.96	218.47	200.44	183.63	169.13	152.17	137.44

# 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	122.55	107.43	91.78	77.35	64.08	51.64	34.99	18.49	0.92
30.0	142.19	127.61	112.11	95.62	79.65	62.23	46.27	25.55	10.51
60.0	143.88	127.92	111.27	94.54	75.74	57.71	42.36	24.48	4.68
90.0	140.97	123.62	105.51	88.02	71.14	55.33	42.59	21.64	2.76
120.0	140.43	124.31	107.74	90.70	72.59	54.94	40.21	21.64	2.84
150.0	136.90	122.40	105.74	84.33	67.76	45.20	32.38	21.95	6.83
180.0	121.86	105.97	90.24	76.05	61.24	47.96	32.54	17.96	1.61
210.0	123.01	106.74	91.01	73.98	55.86	39.21	20.26	4.30	0.46
240.0	114.65	98.15	79.04	61.16	45.89	29.85	10.59	1.07	0.31
270.0	101.91	83.49	67.61	52.18	39.21	18.88	1.76	0.92	0.38
300.0	111.73	95.46	76.81	59.78	44.43	28.85	10.51	1.07	0.31
330.0	118.56	102.67	86.56	70.52	53.03	37.14	19.34	4.76	0.54
360.0	122.55	107.43	91.78	77.35	64.08	51.64	34.99	18.49	0.92

C/γ(°)	90.0
0.0	0.38
30.0	0.77
60.0	0.92
90.0	1.00
120.0	0.84
150.0	0.61
180.0	0.38
210.0	0.31
240.0	0.31
270.0	0.46
300.0	0.38
330.0	0.38
360.0	0.38