

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3053A-36-36DC (45-OL-36WN-AA, P1)

报告编号:

电压(V): 36.0000

测试编号: 20210328002

电流(A): 1.0020

光源规格型号: OL

功率(W): 36.0000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 36

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 38

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): 3513.33

灯具效能(lm/w): 97.59

中心光强(cd): 4524.449

最大光强(cd): 4742.384

最大光强角度: C=90.0  $\gamma$ =2.0

半峰边角(50%Imax): [C0/180]Total=43.6

[C90/270]Total=43.4

光束扩散角(10%Imax): [C0/180]Total=89.0

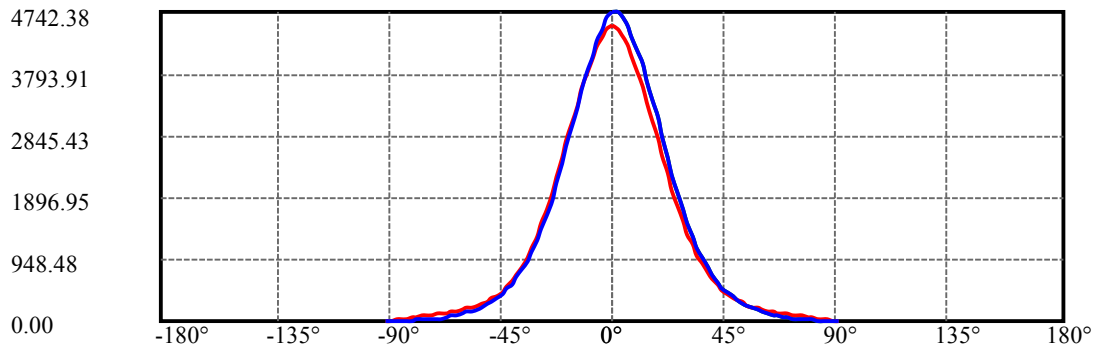
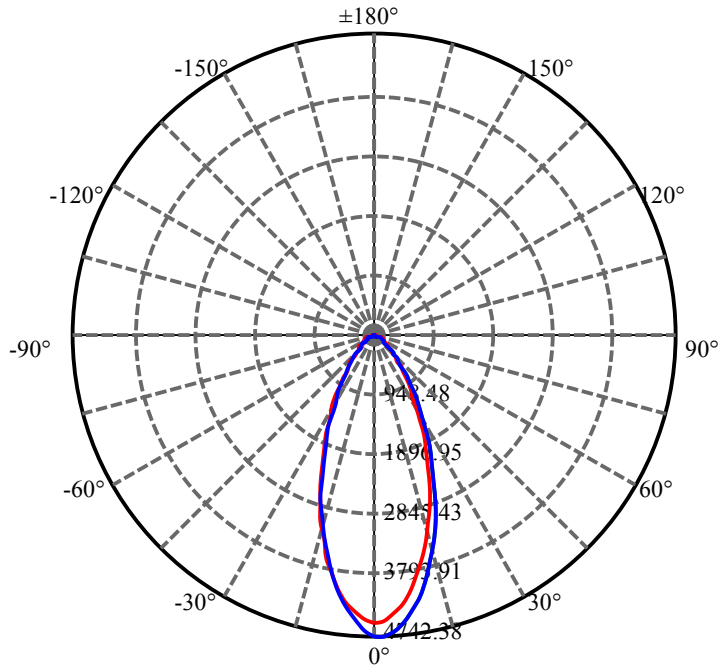
[C90/270]Total=87.4

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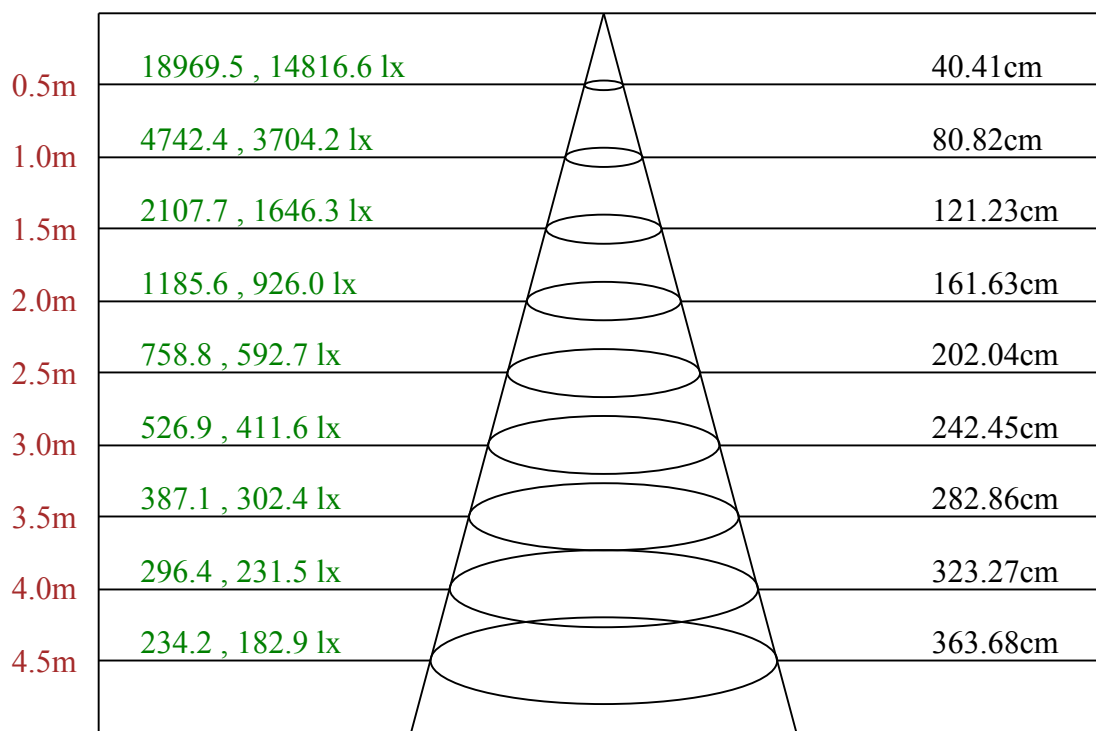
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/28  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

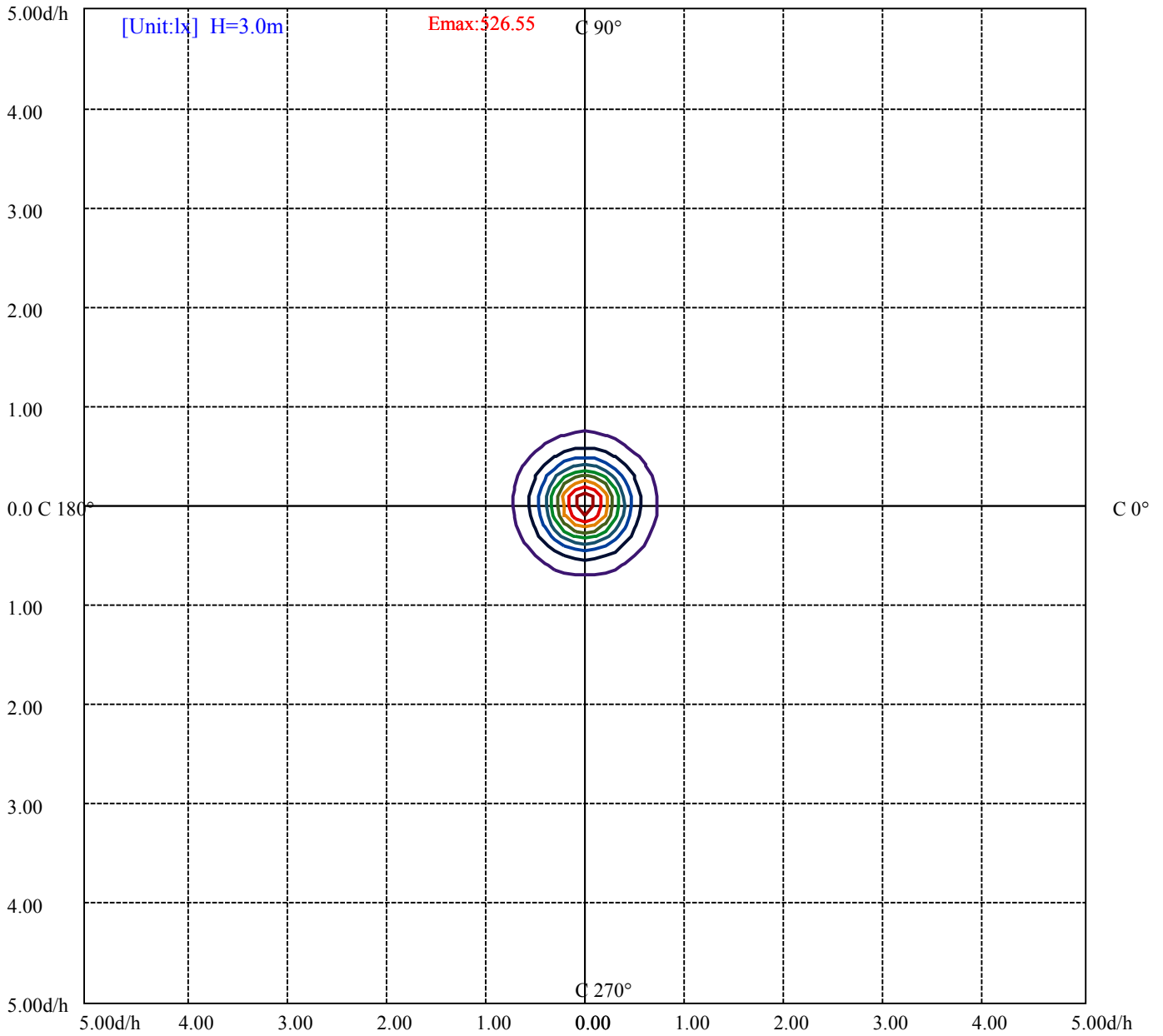


C90(Max): ———  
C0/C180: ———  
C90/C270: ———



Max , Ave    C90面光束角43.98

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 52.65478
- (20%Emax) 105.3096
- (30%Emax) 157.9644
- (40%Emax) 210.6189
- (50%Emax) 263.2744
- (60%Emax) 315.9289
- (70%Emax) 368.5833
- (80%Emax) 421.2378
- (90%Emax) 473.8933

测试设备: GMS1800  
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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

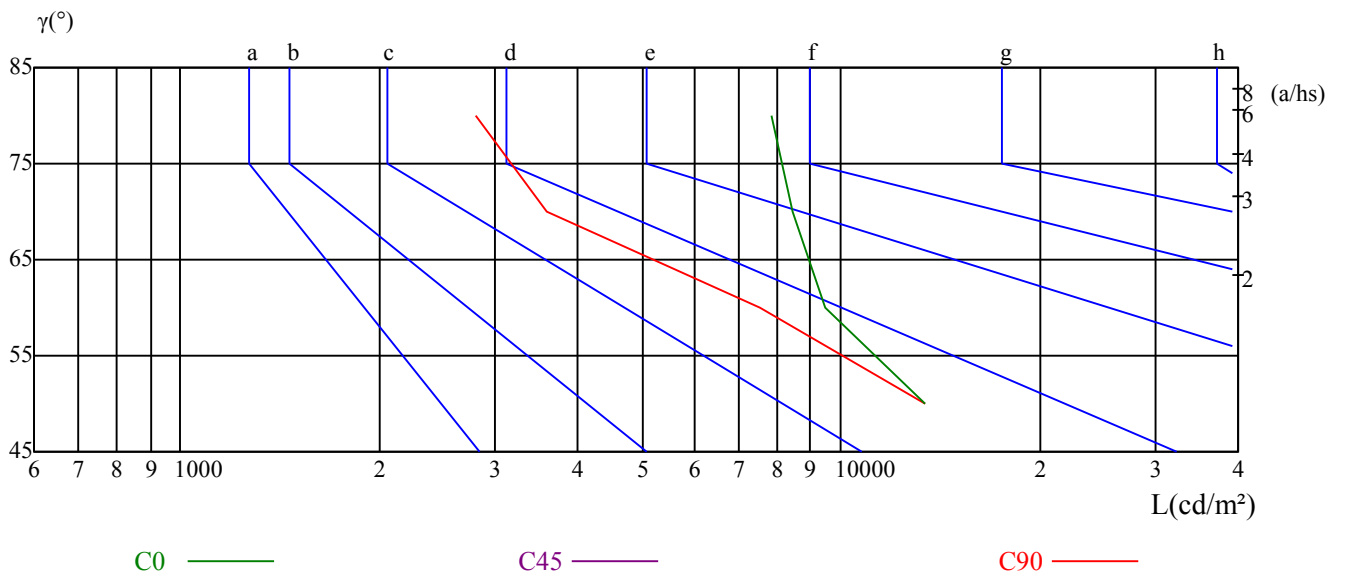
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	13435	0	9458	0	8429	0	7879	0
C45	0	0	0	0	0	0	0	0	0
C90	0	13416	0	7571	0	3579	0	2801	0

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	11.59	12.76	11.95	13.07	13.39	13.00	14.18	13.36	14.49	14.80
	3H	12.07	13.11	12.45	13.44	13.81	14.42	15.46	14.80	15.80	16.16
	4H	12.23	13.20	12.64	13.55	13.94	14.96	15.93	15.37	16.28	16.67
	6H	12.32	13.21	12.73	13.58	13.97	15.37	16.26	15.79	16.63	17.02
	8H	12.33	13.17	12.77	13.56	13.97	15.51	16.34	15.94	16.74	17.14
	12H	12.39	13.19	12.82	13.57	14.00	15.68	16.48	16.12	16.87	17.30
4H	2H	12.08	13.05	12.48	13.40	13.78	13.26	14.22	13.66	14.58	14.96
	3H	12.64	13.43	13.05	13.84	14.24	14.88	15.68	15.30	16.08	16.49
	4H	12.84	13.55	13.28	13.97	14.41	15.48	16.19	15.92	16.61	17.06
	6H	12.94	13.55	13.41	14.00	14.47	15.89	16.50	16.36	16.94	17.41
	8H	12.97	13.54	13.45	13.99	14.46	16.05	16.62	16.53	17.07	17.54
	12H	13.04	13.54	13.53	14.03	14.50	16.25	16.74	16.74	17.23	17.70
8H	4H	13.00	13.56	13.47	14.01	14.49	15.44	16.01	15.92	16.46	16.93
	6H	13.14	13.59	13.64	14.09	14.58	15.86	16.32	16.37	16.82	17.30
	8H	13.20	13.61	13.73	14.13	14.62	16.06	16.46	16.58	16.98	17.48
	12H	13.88	14.24	14.40	14.74	15.31	16.86	17.21	17.37	17.71	18.28
12H	4H	12.97	13.47	13.46	13.95	14.43	15.40	15.89	15.89	16.38	16.85
	6H	13.57	13.53	13.66	14.00	14.55	16.27	16.23	16.35	16.70	17.24
	8H	13.22	13.57	13.74	14.07	14.64	16.03	16.38	16.55	16.88	17.46
对应照射距离，改变观察者位置S											
S = 1.0H	1.3/-1.7					0.8/-1.0					
S = 1.5H	2.7/-2.7					1.6/-1.5					
S = 2.0H	4.9/-3.9					3.2/-1.7					
标准表格	BK2					BK2					
更正系数	1.8					2.9					

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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	4524.45	4491.45	4393.23	4238.22	4054.05	3834.58	3589.02	3345.76	3074.88
30.0	4738.55	4730.11	4645.69	4497.59	4322.63	4098.56	3860.67	3589.02	3295.11
60.0	4739.31	4732.41	4649.53	4517.54	4337.98	4131.55	3885.99	3623.55	3330.41
90.0	4730.87	4742.38	4674.09	4537.49	4373.28	4161.48	3935.87	3675.73	3392.57
120.0	4733.94	4723.97	4640.32	4505.26	4323.40	4118.51	3875.25	3616.64	3315.06
150.0	4735.48	4724.73	4640.32	4500.66	4321.09	4100.86	3866.04	3595.16	3319.67
180.0	4524.45	4481.48	4374.04	4218.27	4023.35	3811.56	3569.07	3303.55	3042.65
210.0	4738.55	4676.39	4547.47	4374.81	4173.76	3922.83	3651.94	3361.11	3069.50
240.0	4739.31	4667.18	4529.82	4356.39	4143.83	3893.67	3614.34	3343.46	3039.58
270.0	4730.87	4644.16	4486.08	4291.93	4065.56	3818.46	3547.58	3262.88	2980.49
300.0	4733.94	4661.04	4522.15	4348.72	4137.69	3902.11	3612.04	3342.69	3045.72
330.0	4735.48	4666.41	4540.56	4368.67	4173.76	3928.20	3661.15	3376.45	3086.39
360.0	4524.45	4491.45	4393.23	4238.22	4054.05	3834.58	3589.02	3345.76	3074.88
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2810.90	2539.25	2259.15	1989.04	1758.06	1531.68	1332.16	1167.18	1006.03
30.0	3012.72	2711.14	2410.33	2129.47	1877.77	1634.51	1417.34	1231.64	1058.21
60.0	3030.37	2719.58	2432.58	2149.42	1881.61	1649.86	1438.52	1239.93	1065.27
90.0	3116.31	2815.50	2512.39	2225.39	1964.48	1712.78	1500.22	1296.87	1111.16
120.0	3035.74	2733.39	2451.00	2168.60	1898.49	1664.44	1451.18	1251.28	1075.17
150.0	3025.00	2725.72	2427.21	2145.58	1891.58	1645.25	1438.06	1238.54	1063.58
180.0	2767.16	2497.81	2208.51	1959.88	1711.25	1505.98	1302.77	1120.29	968.12
210.0	2772.53	2491.67	2198.53	1933.02	1698.97	1476.35	1277.30	1099.80	948.17
240.0	2735.70	2460.97	2173.98	1915.37	1662.90	1451.88	1250.82	1086.60	930.06
270.0	2691.19	2416.47	2127.93	1869.33	1629.14	1419.88	1238.31	1062.05	914.10
300.0	2757.95	2471.72	2186.25	1927.65	1674.41	1460.32	1257.73	1092.74	936.20
330.0	2789.41	2495.51	2216.95	1949.90	1701.27	1479.04	1287.66	1108.17	954.16
360.0	2810.90	2539.25	2259.15	1989.04	1758.06	1531.68	1332.16	1167.18	1006.03
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	870.97	745.12	643.83	553.28	481.14	415.92	363.51	321.61	283.55
30.0	907.81	783.49	670.69	576.30	500.33	432.03	387.52	335.50	296.44
60.0	921.00	788.63	680.13	583.13	502.02	433.34	377.70	327.44	283.24
90.0	959.22	822.63	703.68	599.32	513.37	436.64	387.52	321.15	273.19
120.0	929.29	795.00	684.96	587.27	504.93	435.56	376.47	327.98	283.55
150.0	919.32	785.79	672.22	576.30	501.10	432.80	387.52	334.50	295.29
180.0	830.22	710.82	608.99	527.26	454.52	396.20	345.40	303.11	267.58
210.0	815.11	704.30	602.24	519.90	449.99	393.43	345.63	305.34	272.96
240.0	796.54	689.87	589.34	506.47	438.17	389.06	330.20	288.46	247.79
270.0	786.10	676.52	567.70	487.59	415.84	353.07	303.34	258.61	220.77
300.0	801.14	692.94	592.41	509.54	440.47	387.52	331.35	288.76	247.17
330.0	819.48	702.46	604.62	521.74	451.45	391.75	346.09	305.34	271.11
360.0	870.97	745.12	643.83	553.28	481.14	415.92	363.51	321.61	283.55
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	244.03	217.32	195.30	176.11	160.77	145.65	132.07	119.71	107.36
30.0	264.36	237.35	214.94	194.61	176.27	159.00	141.12	123.78	105.44
60.0	246.10	212.26	182.48	155.78	133.98	113.42	94.08	74.90	54.87
90.0	232.21	196.91	165.83	140.97	120.86	100.37	78.58	59.78	45.58
120.0	246.10	212.18	182.48	156.16	134.37	113.73	94.62	75.82	55.71
150.0	264.59	236.12	213.87	193.46	176.57	158.62	142.04	124.31	106.82
180.0	238.35	214.56	193.15	175.65	159.61	144.96	131.68	119.63	107.51
210.0	245.10	220.85	199.67	181.87	163.30	145.19	128.15	110.20	92.78
240.0	213.48	184.48	158.77	135.52	115.87	97.92	79.42	60.70	42.05
270.0	184.40	156.93	133.37	114.49	95.08	74.36	57.32	43.59	38.98
300.0	212.56	183.25	157.39	134.21	114.42	96.31	77.58	58.70	40.67
330.0	244.41	219.93	198.44	179.87	162.07	143.65	126.54	108.81	90.70
360.0	244.03	217.32	195.30	176.11	160.77	145.65	132.07	119.71	107.36

# 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	96.69	85.56	74.51	62.69	50.95	38.91	27.09	15.42	4.83
30.0	86.33	67.61	49.19	29.93	16.42	13.20	8.13	4.53	3.22
60.0	38.45	32.15	29.47	23.64	16.73	10.44	9.67	7.52	3.76
90.0	40.67	37.99	33.46	25.17	18.11	13.43	12.43	9.44	4.68
120.0	38.91	32.31	29.47	24.33	17.04	10.97	9.82	7.83	4.07
150.0	88.79	69.68	51.64	32.31	17.65	13.28	8.98	4.60	3.61
180.0	96.00	85.33	73.90	62.23	50.42	38.91	27.55	15.58	5.22
210.0	74.74	56.17	37.29	21.56	14.58	11.82	6.98	4.53	2.53
240.0	33.07	29.62	27.24	21.49	14.96	10.36	9.44	6.52	2.53
270.0	36.22	34.07	27.24	20.41	13.97	13.28	10.90	6.45	1.92
300.0	32.54	29.16	27.01	20.80	14.35	10.28	9.36	6.14	2.15
330.0	73.05	54.48	35.68	19.41	14.04	10.90	6.14	4.37	2.07
360.0	96.69	85.56	74.51	62.69	50.95	38.91	27.09	15.42	4.83

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