

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3074A-72-UN (60-OL-72WN-AA, L650mm, C, CT)

报告编号:

电压(V): 219.3000

测试编号: 20210421008

电流(A): 0.3650

光源规格型号: OL

功率(W): 78.6000

每个光源光通量(lm)

功率因数: 0.9830

光源数量: 60

镇流器型号:

发光面长度(mm): 590

发光面宽度(mm): 100

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): 7050.20

灯具效能(lm/w): 89.70

中心光强(cd): 6756.746

最大光强(cd): 6868.016

最大光强角度:  $C=30.0$   $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=54.3

[C90/270]Total=54.2

光束扩散角(10%Imax): [C0/180]Total=101.0

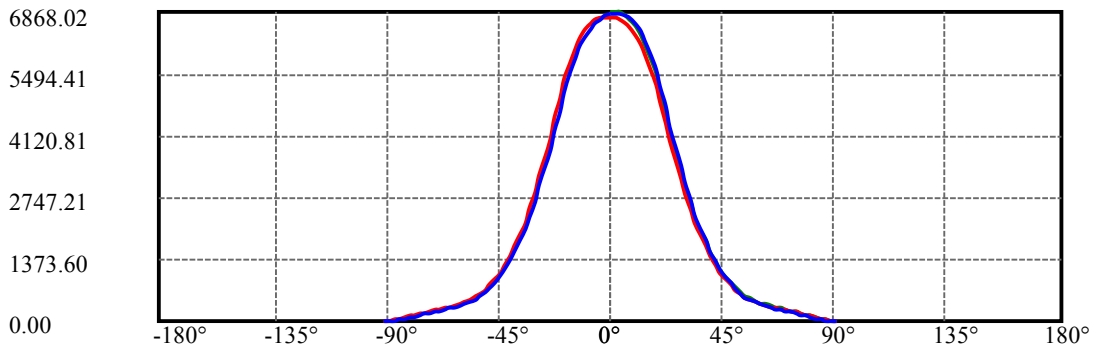
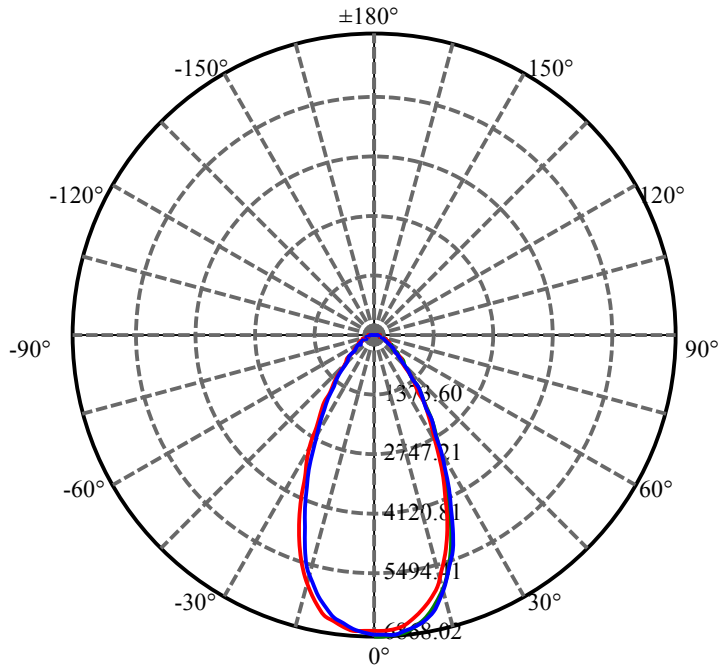
[C90/270]Total=99.7

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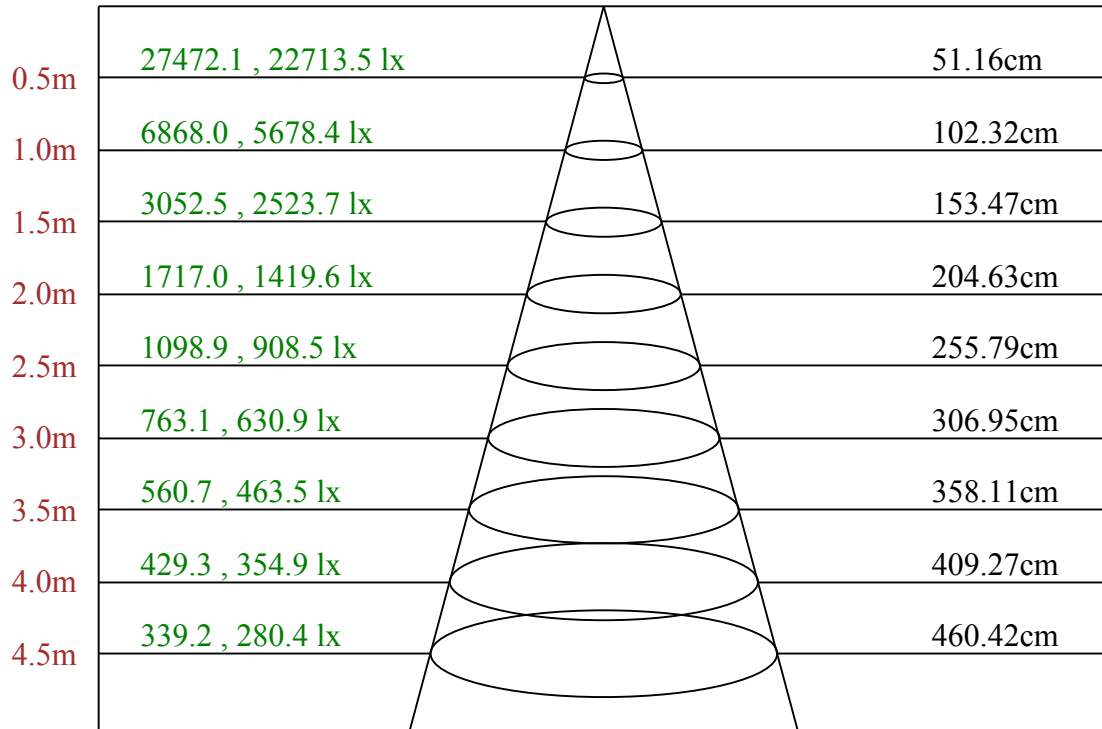
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/21  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

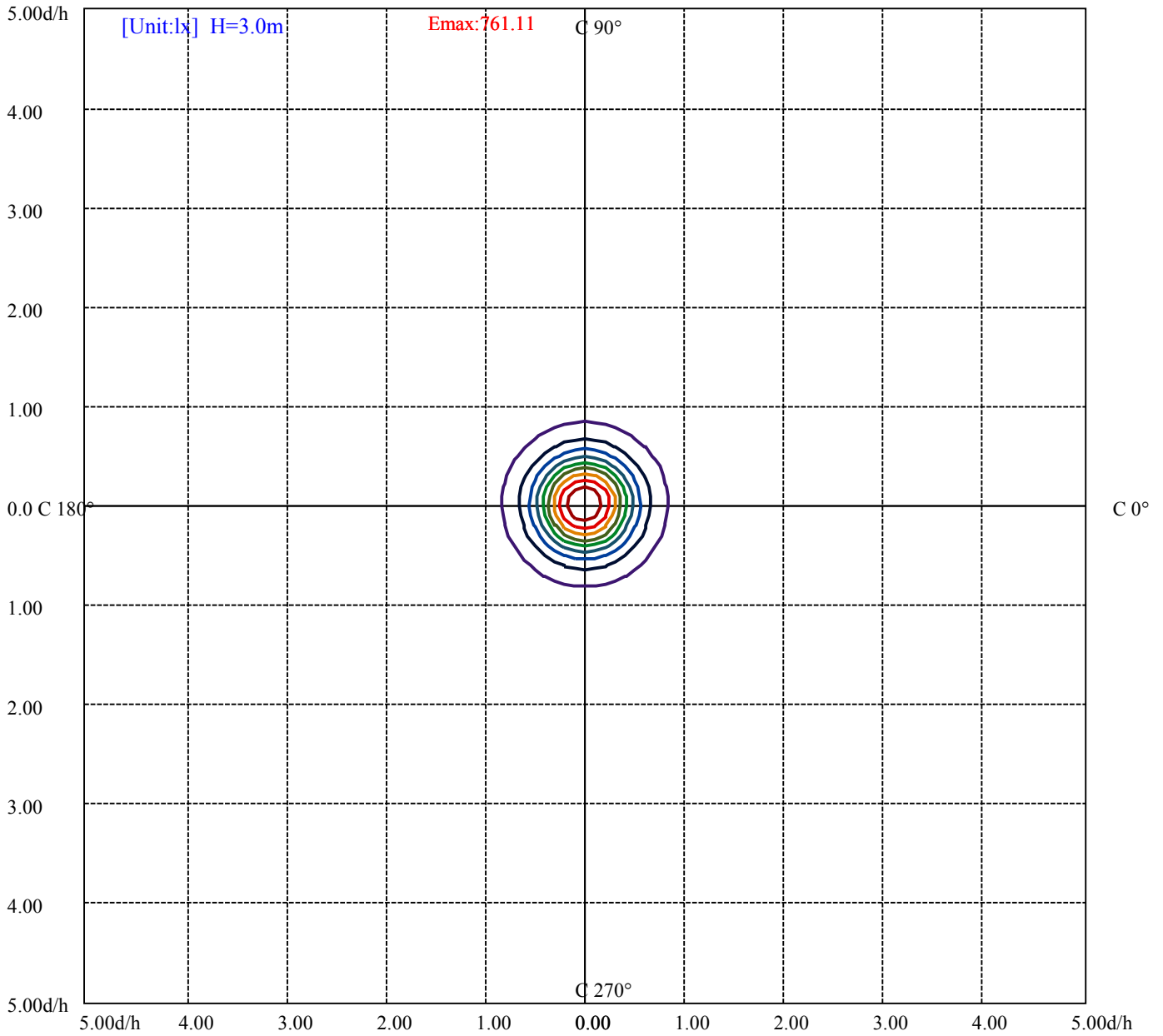


C30(Max): ———  
C0/C180: ———  
C90/C270: ———



Max , Ave    C30面光束角54.18

ROLED 投光灯  
平面等照度曲线



(10%Emax) 76.11089	——
(20%Emax) 152.2222	——
(30%Emax) 228.3322	——
(40%Emax) 304.4433	——
(50%Emax) 380.5544	——
(60%Emax) 456.6656	——
(70%Emax) 532.7767	——
(80%Emax) 608.8867	——
(90%Emax) 684.9978	——

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/21  
环境湿度(%): 60.0%

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)

附页 第 5页 共10页

亮度值表

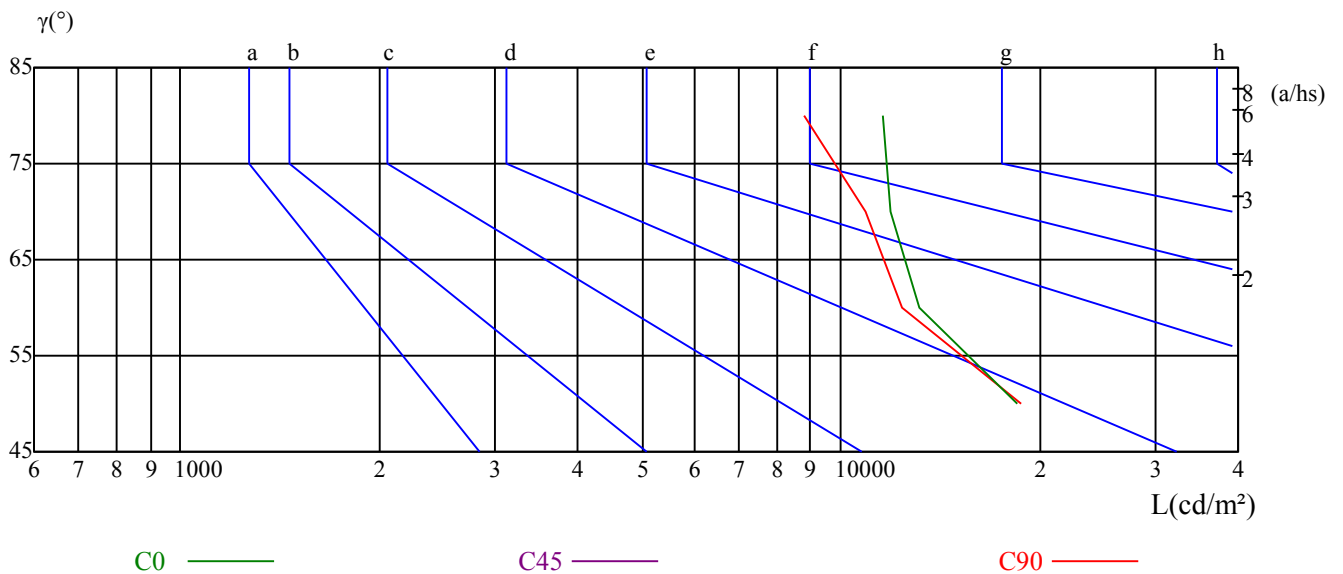
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	18494	0	13136	0	11910	0	11580	0
C45	0	0	0	0	0	0	0	0	0
C90	0	18717	0	12429	0	10933	0	8801	0

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



测试设备: GMS1800  
环境温度( $^{\circ}\text{C}$ ): 25.0

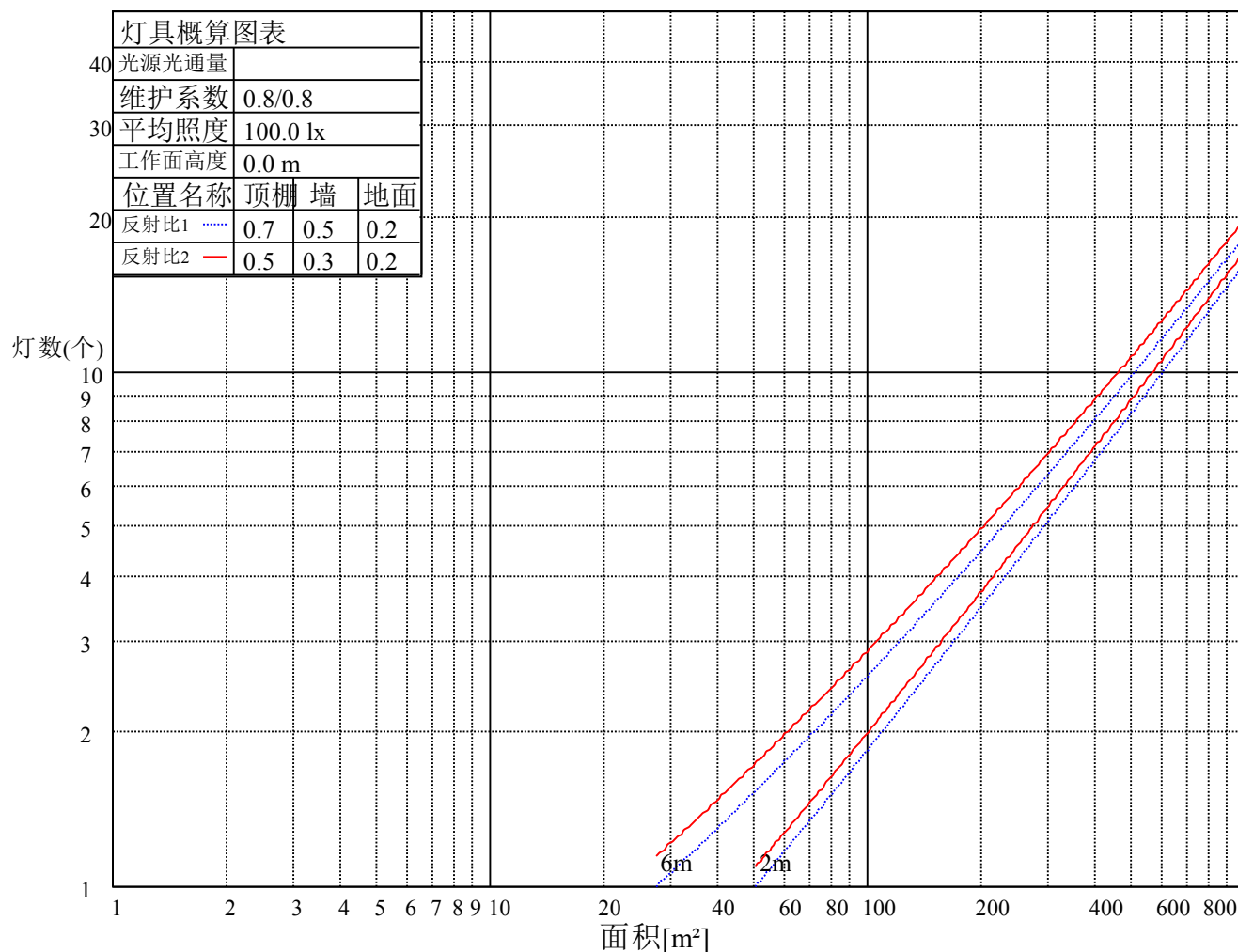
测试日期: 2021/4/21  
环境湿度(%): 60.0%

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	11.31	12.54	11.67	12.85	13.17	11.74	12.98	12.11	13.29	13.60
	3H	12.77	13.87	13.15	14.20	14.57	13.34	14.43	13.72	14.76	15.13
	4H	13.34	14.37	13.75	14.72	15.10	14.01	15.03	14.42	15.39	15.77
	6H	13.69	14.63	14.11	15.00	15.40	14.56	15.50	14.97	15.87	16.26
	8H	13.77	14.66	14.20	15.05	15.45	14.74	15.62	15.17	16.02	16.42
	12H	13.83	14.68	14.27	15.07	15.50	14.94	15.79	15.38	16.17	16.61
4H	2H	11.82	12.84	12.22	13.19	13.57	12.17	13.19	12.57	13.54	13.93
	3H	13.50	14.34	13.92	14.75	15.15	14.03	14.87	14.44	15.27	15.68
	4H	14.20	14.95	14.64	15.37	15.82	14.84	15.59	15.27	16.01	16.45
	6H	14.58	15.23	15.05	15.68	16.14	15.40	16.05	15.86	16.49	16.96
	8H	14.69	15.29	15.16	15.74	16.21	15.63	16.24	16.10	16.68	17.16
	12H	14.76	15.29	15.24	15.77	16.25	15.85	16.38	16.34	16.86	17.34
8H	4H	14.48	15.09	14.96	15.54	16.01	15.05	15.65	15.52	16.10	16.57
	6H	14.98	15.47	15.48	15.97	16.45	15.74	16.23	16.25	16.73	17.21
	8H	15.13	15.57	15.66	16.09	16.58	16.05	16.48	16.57	17.00	17.49
	12H	15.70	16.08	16.22	16.58	17.15	16.72	17.11	17.24	17.60	18.18
12H	4H	14.50	15.03	14.99	15.52	15.99	15.04	15.57	15.53	16.05	16.53
	6H	15.55	15.47	15.56	15.94	16.48	16.29	16.20	16.29	16.67	17.22
	8H	15.22	15.61	15.74	16.10	16.67	16.10	16.49	16.62	16.98	17.56
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-1.2					0.7/-1.0					
S = 1.5H	1.6/-1.5					1.3/-1.3					
S = 2.0H	3.2/-1.6					2.6/-1.3					
标准表格	BK3					BK3					
更正系数	4.8					5.1					

# ROLED 投光灯

## 灯具的概算曲线



# ROLED 投光灯

## 灯具的利用系数表

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.05	1.03	1.06	1.04	1.01	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.92	0.90
2	0.99	0.94	0.90	0.97	0.93	0.89	0.94	0.90	0.87	0.91	0.88	0.85	0.88	0.85	0.83	0.81
3	0.91	0.85	0.80	0.89	0.84	0.79	0.86	0.82	0.78	0.84	0.80	0.77	0.82	0.78	0.75	0.74
4	0.83	0.77	0.72	0.82	0.76	0.71	0.80	0.75	0.71	0.78	0.73	0.70	0.76	0.72	0.69	0.67
5	0.77	0.70	0.65	0.76	0.70	0.65	0.74	0.69	0.64	0.73	0.68	0.64	0.71	0.67	0.63	0.61
6	0.72	0.65	0.60	0.71	0.64	0.60	0.69	0.63	0.59	0.68	0.63	0.59	0.66	0.62	0.58	0.57
7	0.67	0.60	0.55	0.66	0.60	0.55	0.65	0.59	0.55	0.64	0.58	0.54	0.62	0.58	0.54	0.52
8	0.63	0.56	0.51	0.62	0.55	0.51	0.61	0.55	0.51	0.60	0.54	0.51	0.59	0.54	0.50	0.49
9	0.59	0.52	0.48	0.58	0.52	0.48	0.57	0.51	0.47	0.56	0.51	0.47	0.55	0.51	0.47	0.45
10	0.55	0.49	0.45	0.55	0.49	0.44	0.54	0.48	0.44	0.53	0.48	0.44	0.52	0.48	0.44	0.43



ROLED 投光灯

光强数据表(cd)

附页 第9页 共10页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	6756.75	6739.10	6701.49	6628.59	6515.02	6364.62	6157.43	5920.31	5602.61
30.0	6865.71	6868.02	6848.83	6800.49	6708.40	6566.44	6376.89	6150.52	5848.17
60.0	6834.25	6843.46	6835.02	6794.35	6706.87	6569.51	6381.50	6150.52	5844.34
90.0	6807.39	6823.51	6821.97	6794.35	6729.12	6601.74	6438.28	6218.05	5931.82
120.0	6789.74	6802.79	6802.02	6775.16	6699.19	6574.88	6398.38	6172.77	5866.59
150.0	6768.26	6780.53	6776.70	6749.07	6678.47	6553.39	6389.17	6165.87	5888.08
180.0	6756.75	6754.44	6731.42	6687.68	6594.83	6463.61	6283.27	6056.13	5731.53
210.0	6865.71	6845.76	6802.79	6722.21	6603.27	6436.75	6223.42	5939.49	5612.59
240.0	6834.25	6805.86	6752.91	6671.57	6549.55	6380.73	6162.80	5901.89	5556.57
270.0	6807.39	6771.33	6710.70	6618.62	6495.07	6323.18	6103.71	5832.82	5485.97
300.0	6789.74	6758.28	6702.26	6622.45	6496.61	6327.78	6100.64	5844.34	5502.09
330.0	6768.26	6739.86	6688.45	6607.11	6484.33	6305.53	6087.59	5806.73	5462.95
360.0	6756.75	6739.10	6701.49	6628.59	6515.02	6364.62	6157.43	5920.31	5602.61
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	5258.06	4855.96	4414.71	3998.80	3580.58	3176.94	2806.29	2480.16	2162.47
30.0	5506.69	5106.89	4668.72	4218.27	3779.33	3384.90	2992.77	2646.68	2317.48
60.0	5491.34	5087.70	4666.41	4218.27	3773.96	3374.92	2980.49	2612.92	2282.94
90.0	5584.20	5208.95	4763.87	4298.84	3869.88	3445.52	3062.60	2668.93	2347.40
120.0	5515.90	5112.26	4663.34	4231.31	3785.47	3381.83	2984.33	2613.68	2282.18
150.0	5532.01	5135.28	4687.13	4246.66	3800.05	3372.62	2992.00	2625.19	2292.92
180.0	5387.75	4969.53	4532.12	4070.93	3625.85	3231.42	2852.34	2496.27	2177.81
210.0	5230.43	4818.35	4356.39	3909.78	3498.47	3090.22	2722.65	2379.63	2091.87
240.0	5172.88	4771.54	4312.65	3892.90	3462.40	3078.71	2707.30	2374.26	2083.43
270.0	5097.68	4658.74	4225.94	3793.14	3401.78	3015.79	2655.12	2318.24	2038.92
300.0	5141.42	4739.31	4295.77	3883.69	3475.45	3077.18	2717.28	2403.42	2098.01
330.0	5109.19	4698.64	4285.79	3863.74	3452.42	3064.13	2723.42	2387.31	2086.50
360.0	5258.06	4855.96	4414.71	3998.80	3580.58	3176.94	2806.29	2480.16	2162.47
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1900.79	1656.00	1431.16	1240.08	1078.93	928.52	804.21	701.38	606.23
30.0	2023.57	1772.64	1537.82	1329.86	1148.76	998.36	861.76	749.73	646.13
60.0	2005.15	1739.64	1524.62	1317.28	1134.80	974.95	843.81	724.33	619.73
90.0	2044.29	1773.41	1543.96	1330.63	1151.83	986.08	837.97	709.82	607.76
120.0	1999.78	1735.04	1507.43	1310.91	1128.73	970.50	832.14	718.88	614.36
150.0	1997.48	1745.78	1511.73	1305.31	1132.65	974.57	845.65	729.01	631.55
180.0	1911.53	1656.76	1451.88	1254.20	1081.62	931.44	803.60	699.92	606.76
210.0	1825.59	1524.62	1388.03	1203.48	1036.34	901.74	781.19	674.98	592.72
240.0	1817.15	1592.31	1365.93	1192.50	1031.35	893.99	770.45	665.31	576.30
270.0	1778.01	1521.40	1346.21	1164.65	1009.79	867.75	745.20	632.78	548.37
300.0	1833.26	1605.35	1387.42	1210.92	1039.03	900.13	776.58	675.29	581.67
330.0	1835.56	1524.47	1397.70	1212.30	1046.24	904.28	789.32	682.58	594.56
360.0	1900.79	1656.00	1431.16	1240.08	1078.93	928.52	804.21	701.38	606.23
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	532.56	470.40	420.52	387.52	347.39	318.23	291.30	265.74	240.34
30.0	567.09	500.33	447.38	402.11	367.88	336.42	306.03	277.71	249.86
60.0	536.86	466.87	413.77	368.03	333.58	301.27	272.88	246.10	219.93
90.0	524.12	458.12	409.01	366.65	330.05	295.82	269.12	242.03	220.62
120.0	531.87	462.34	407.25	363.89	329.59	297.59	268.12	242.64	216.86
150.0	550.21	487.28	434.33	391.36	358.98	326.75	298.89	270.04	243.80
180.0	534.17	472.24	421.29	380.16	347.54	317.08	289.84	265.59	240.42
210.0	522.58	466.41	417.30	381.23	347.54	318.92	290.99	263.13	236.66
240.0	501.10	440.47	391.36	357.14	323.45	293.83	264.51	237.20	210.34
270.0	480.53	425.74	384.23	347.31	311.32	281.86	256.15	229.60	206.65
300.0	504.93	445.85	392.13	357.06	323.22	293.67	265.36	238.42	212.95
330.0	525.88	465.41	418.30	380.23	348.08	318.15	291.83	264.28	236.97
360.0	532.56	470.40	420.52	387.52	347.39	318.23	291.30	265.74	240.34

# ROLED 投光灯

## 光强数据表(cd)

附页 第 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	218.01	193.76	170.36	145.57	118.64	90.86	62.39	34.22	9.21
30.0	222.54	193.69	166.52	138.51	113.34	85.79	54.48	26.09	9.44
60.0	198.14	175.96	148.56	117.72	92.24	61.77	34.53	20.26	10.82
90.0	197.29	171.51	143.81	114.65	90.17	59.16	35.07	20.57	12.12
120.0	195.83	172.12	145.88	115.26	89.63	60.39	32.38	18.80	10.05
150.0	215.79	189.00	161.15	133.75	109.58	79.58	49.57	23.10	7.44
180.0	215.56	191.77	168.75	142.89	116.49	90.01	61.39	34.15	9.13
210.0	208.11	177.65	148.18	122.93	95.77	63.39	36.30	13.05	4.60
240.0	189.08	164.68	133.37	104.36	78.43	48.19	26.01	11.74	5.83
270.0	182.79	152.17	122.24	97.46	64.54	38.14	24.56	12.58	5.29
300.0	190.69	166.60	136.29	106.82	81.27	50.34	26.32	12.28	6.22
330.0	210.41	181.18	152.25	124.62	100.14	66.76	39.98	13.28	4.83
360.0	218.01	193.76	170.36	145.57	118.64	90.86	62.39	34.22	9.21
C/γ(°)	90.0								
0.0	1.07								
30.0	2.84								
60.0	2.92								
90.0	2.92								
120.0	2.15								
150.0	1.61								
180.0	1.07								
210.0	1.00								
240.0	1.07								
270.0	1.00								
300.0	0.92								
330.0	0.92								
360.0	1.07								