

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3323A-15-36DC-RC-Y (5030-XL-15RGBWN-AJ, L1000, C, CT)

报告编号:

电压(V): 220.2000

测试编号: 20210411002

电流(A): 0.3700

光源规格型号: XL

功率(W): 76.3000

每个光源光通量(lm)

功率因数: 0.9350

光源数量: 15

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 45

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): 2766.54

灯具效能(lm/w): 36.26

中心光强(cd): 5126.072

最大光强(cd): 5278.780

最大光强角度: C=30.0  $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=54.1

[C90/270]Total=29.0

光束扩散角(10%Imax): [C0/180]Total=86.8

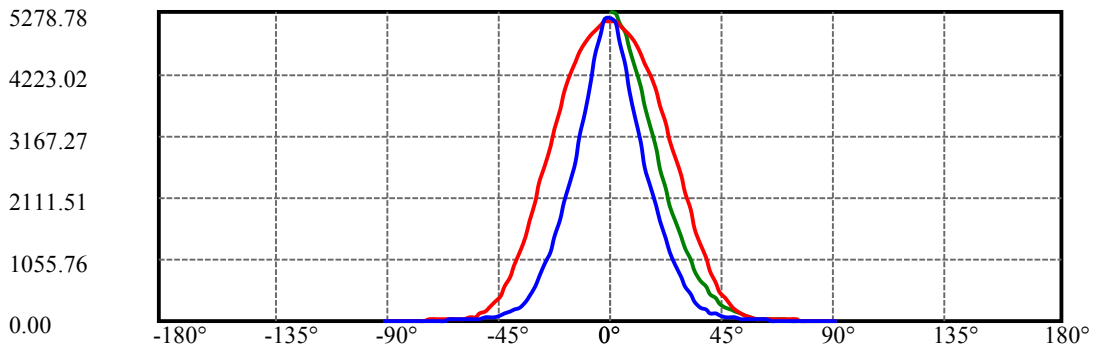
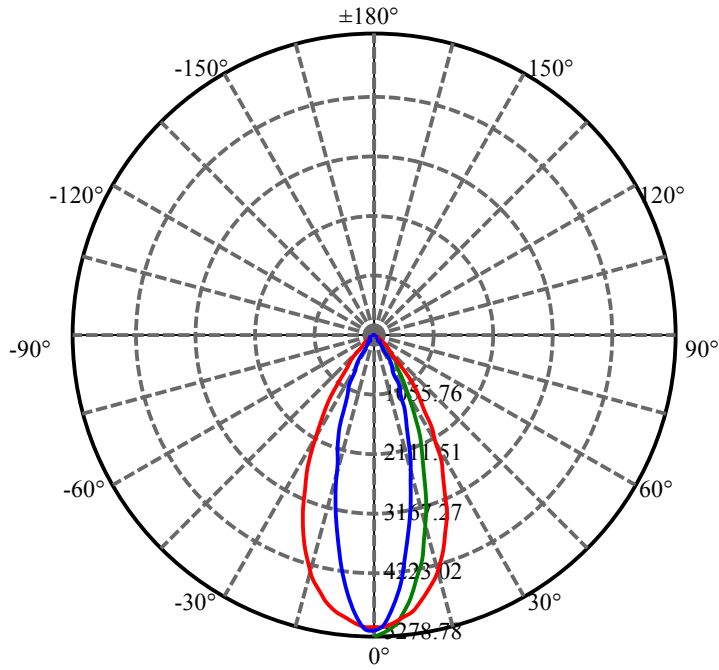
[C90/270]Total=61.9

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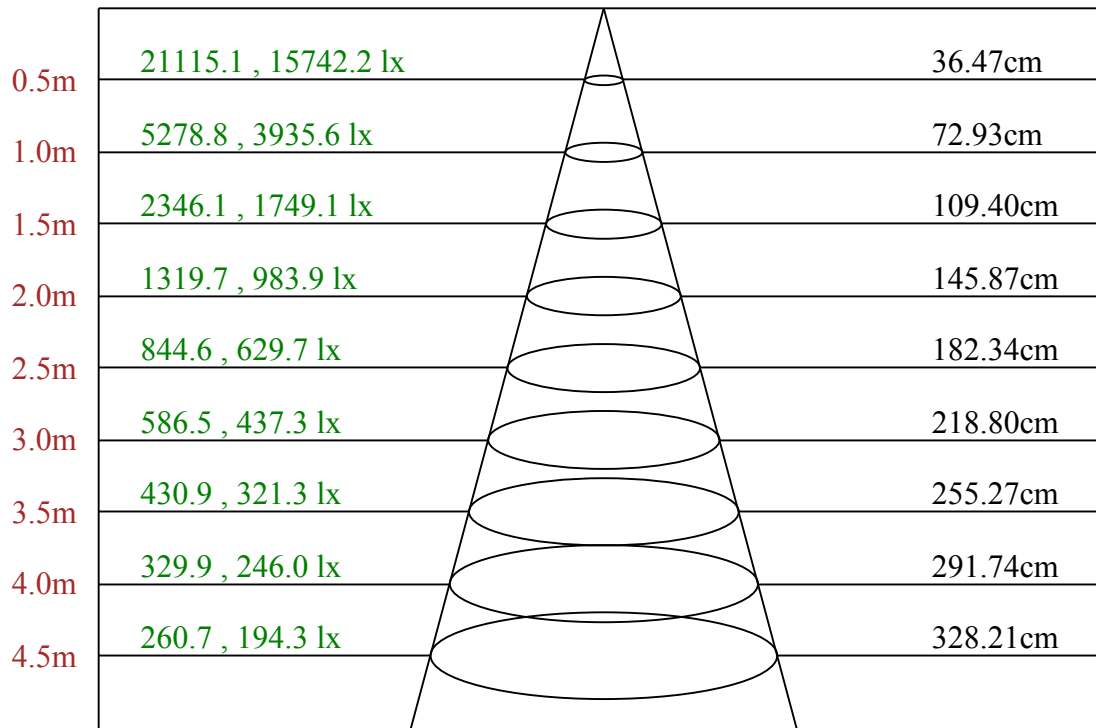
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/11  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

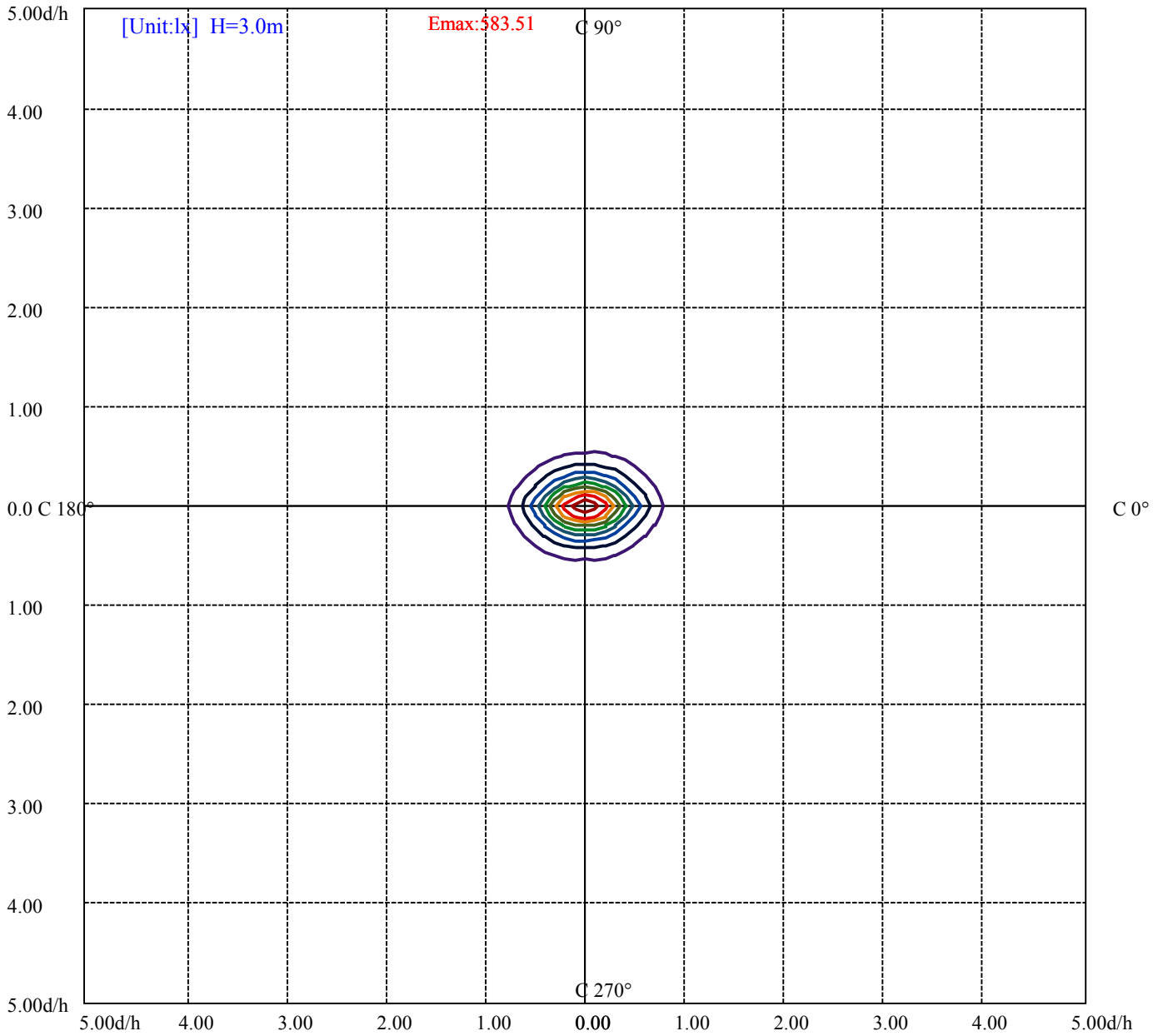


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角40.07

ROLED 投光灯  
平面等照度曲线



(10%Emax) 58.35033	——
(20%Emax) 116.7011	——
(30%Emax) 175.0511	——
(40%Emax) 233.4011	——
(50%Emax) 291.7511	——
(60%Emax) 350.1022	——
(70%Emax) 408.4522	——
(80%Emax) 466.8022	——
(90%Emax) 525.1522	——

测试设备: GMS1800  
环境温度(°C): 25.0

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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

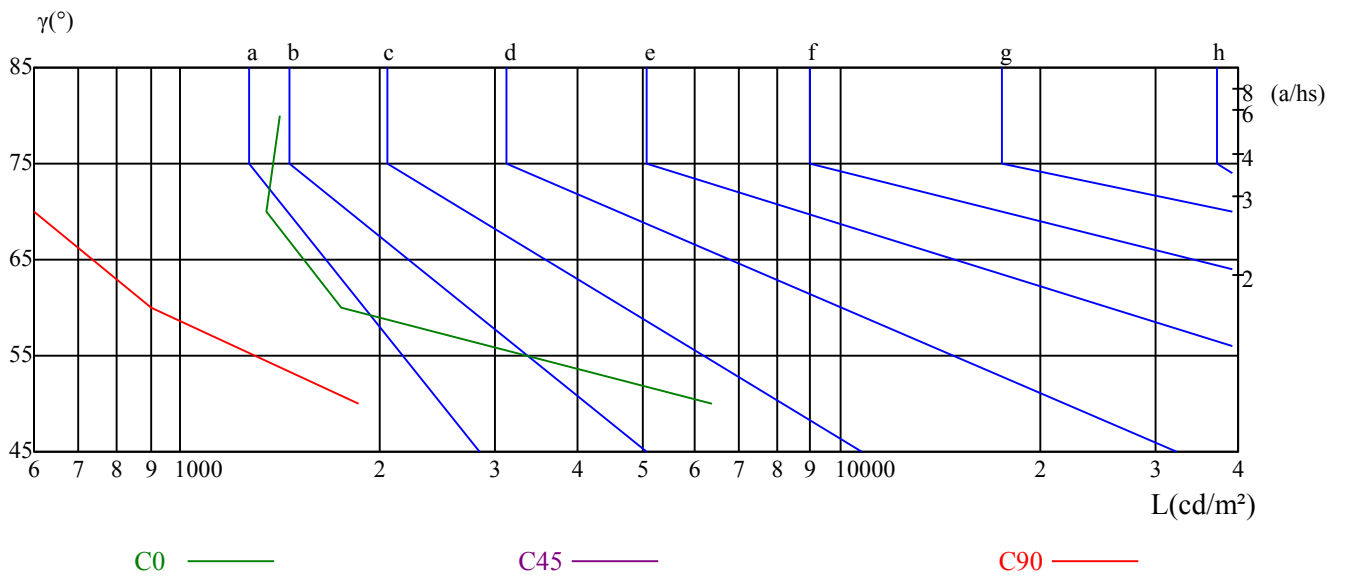
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6400	0	1751	0	1353	0	1413	0
C45	0	0	0	0	0	0	0	0	0
C90	0	1860	0	905	0	575	0	261	0

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)							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$

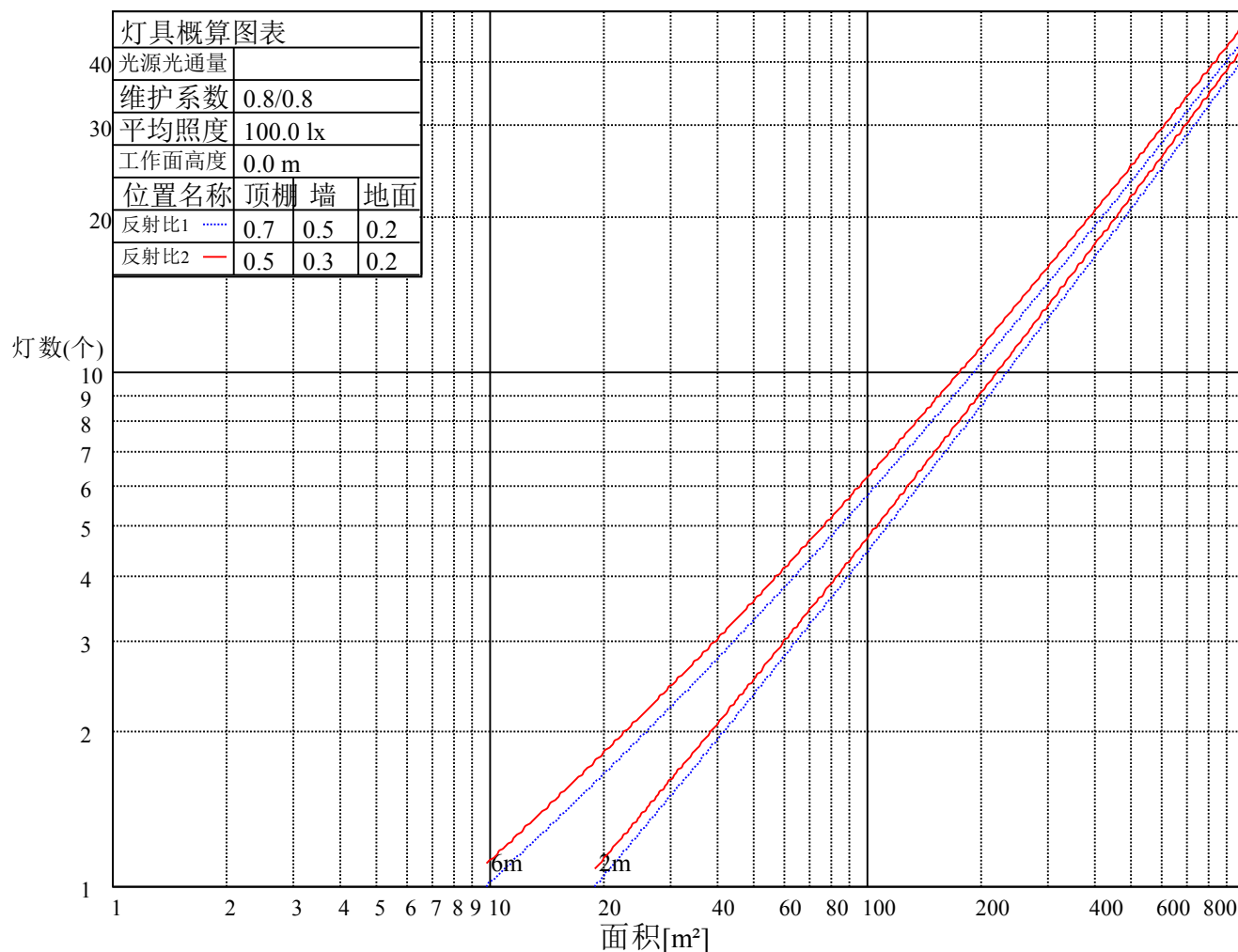
亮度限制曲线



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	2.85	3.86	3.21	4.17	4.48	4.92	5.92	5.28	6.23	6.55
	3H	3.15	4.04	3.54	4.37	4.74	5.64	6.52	6.02	6.86	7.22
	4H	3.20	4.02	3.61	4.37	4.76	5.99	6.81	6.40	7.16	7.55
	6H	3.17	3.92	3.59	4.29	4.69	6.30	7.05	6.72	7.43	7.82
	8H	3.14	3.84	3.57	4.23	4.64	6.43	7.13	6.86	7.52	7.93
	12H	3.12	3.79	3.55	4.17	4.60	6.60	7.27	7.04	7.66	8.09
4H	2H	3.01	3.83	3.42	4.18	4.57	4.88	5.70	5.29	6.05	6.44
	3H	3.42	4.08	3.83	4.49	4.90	5.81	6.48	6.23	6.89	7.29
	4H	3.50	4.09	3.94	4.52	4.96	6.27	6.86	6.70	7.28	7.73
	6H	3.49	3.99	3.96	4.44	4.92	6.62	7.12	7.09	7.57	8.05
	8H	3.45	3.92	3.93	4.37	4.85	6.78	7.25	7.26	7.70	8.18
	12H	3.44	3.84	3.93	4.33	4.81	6.99	7.39	7.48	7.88	8.36
8H	4H	3.60	4.07	4.08	4.52	5.00	6.19	6.67	6.67	7.12	7.59
	6H	3.60	3.98	4.11	4.48	4.97	6.60	6.97	7.11	7.47	7.96
	8H	3.58	3.91	4.11	4.43	4.93	6.80	7.13	7.33	7.65	8.15
	12H	4.11	4.40	4.63	4.90	5.48	7.43	7.72	7.95	8.22	8.80
12H	4H	3.58	3.99	4.07	4.48	4.95	6.14	6.54	6.63	7.03	7.51
	6H	3.86	3.93	4.13	4.40	4.95	6.81	6.87	7.07	7.34	7.89
	8H	3.59	3.88	4.12	4.38	4.96	6.76	7.05	7.29	7.55	8.13
对应照射距离，改变观察者位置S											
S = 1.0H	3.1/-3.9					4.3/-6.3					
S = 1.5H	5.0/-6.4					6.9/-7.8					
S = 2.0H	7.1/-7.0					8.9/-7.7					
标准表格	BK1					BK0					
更正系数	-7.6					-1.8					

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## 灯具的概算曲线



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	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.97	0.96	0.94
2	1.04	1.00	0.96	1.02	0.98	0.95	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.88
3	0.97	0.92	0.88	0.96	0.91	0.88	0.93	0.89	0.86	0.91	0.87	0.85	0.88	0.86	0.84	0.82
4	0.91	0.86	0.82	0.90	0.85	0.81	0.88	0.84	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.77
5	0.86	0.80	0.76	0.85	0.80	0.76	0.83	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.72
6	0.81	0.75	0.71	0.80	0.75	0.71	0.79	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.68
7	0.77	0.71	0.67	0.76	0.71	0.67	0.75	0.70	0.66	0.74	0.69	0.66	0.72	0.69	0.66	0.64
8	0.73	0.67	0.63	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.61
9	0.69	0.64	0.60	0.69	0.63	0.60	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.58
10	0.66	0.60	0.57	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.59	0.56	0.63	0.59	0.56	0.55



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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	5126.07	5110.72	5041.66	4967.22	4872.84	4738.55	4567.42	4381.72	4190.64
30.0	5278.78	5229.67	5096.91	4906.60	4654.14	4327.23	4016.45	3681.87	3297.41
60.0	5224.30	5109.96	4833.70	4468.43	4052.51	3618.18	3170.80	2773.30	2401.89
90.0	5189.00	5080.03	4746.22	4374.04	3941.24	3463.17	3044.95	2635.94	2283.71
120.0	5156.77	5032.45	4730.11	4383.25	4007.24	3567.53	3145.47	2726.49	2356.61
150.0	5136.81	5091.54	4946.51	4714.76	4466.90	4195.24	3887.53	3524.56	3127.06
180.0	5126.07	5099.98	5039.36	4956.48	4875.91	4756.96	4605.02	4416.25	4194.48
210.0	5278.78	5250.39	5144.49	4984.11	4742.38	4465.36	4146.13	3790.84	3427.10
240.0	5224.30	5192.83	5013.27	4704.78	4347.19	3879.85	3403.31	2997.37	2599.87
270.0	5189.00	5139.12	4875.14	4522.91	4093.18	3587.48	3160.82	2736.46	2358.91
300.0	5156.77	5143.72	4984.11	4671.79	4325.70	3874.48	3428.64	2995.07	2572.24
330.0	5136.81	5146.02	5050.87	4884.35	4674.85	4415.48	4102.39	3750.93	3373.38
360.0	5126.07	5110.72	5041.66	4967.22	4872.84	4738.55	4567.42	4381.72	4190.64
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3943.55	3671.89	3371.08	3084.85	2798.62	2490.14	2183.18	1897.72	1583.86
30.0	2953.63	2594.50	2254.55	1956.81	1696.67	1447.27	1232.41	1038.26	847.95
60.0	2061.94	1756.52	1523.78	1309.45	1111.77	940.73	777.20	615.59	475.31
90.0	1974.46	1701.27	1417.34	1174.09	959.22	748.19	587.81	445.85	321.30
120.0	2008.22	1717.39	1491.63	1270.77	1067.04	898.75	724.17	562.64	438.33
150.0	2758.72	2411.10	2079.59	1785.68	1539.36	1302.24	1095.05	900.13	738.22
180.0	3916.69	3596.69	3277.46	2982.79	2660.49	2356.61	2035.08	1717.39	1429.93
210.0	3038.04	2668.93	2306.73	1996.71	1728.13	1467.76	1238.70	1036.72	845.19
240.0	2232.30	1927.65	1641.42	1405.07	1178.69	990.68	816.49	660.71	501.86
270.0	2033.55	1726.60	1452.41	1194.88	967.28	740.21	582.59	442.62	320.61
300.0	2185.49	1881.61	1605.35	1380.51	1173.32	979.17	791.93	623.88	483.45
330.0	2989.70	2621.36	2256.09	1943.76	1665.97	1413.35	1199.72	982.24	803.83
360.0	3943.55	3671.89	3371.08	3084.85	2798.62	2490.14	2183.18	1897.72	1583.86
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1308.38	1076.63	852.55	659.18	498.03	389.06	251.39	181.41	125.77
30.0	699.08	574.00	471.17	387.52	303.80	239.81	187.16	152.86	122.78
60.0	373.64	282.62	216.40	165.91	128.54	101.45	83.03	68.60	59.55
90.0	237.81	181.56	143.96	116.41	96.00	78.35	64.31	52.72	43.82
120.0	339.72	255.31	195.37	148.95	115.57	92.62	75.97	64.00	55.17
150.0	608.53	502.63	409.78	333.66	268.97	211.11	167.21	136.67	114.88
180.0	1184.83	954.62	752.80	588.73	439.94	315.31	225.92	170.36	118.48
210.0	695.47	573.23	462.80	373.17	297.13	233.51	184.25	154.86	124.16
240.0	391.36	294.90	221.77	170.36	133.60	106.51	85.87	71.06	61.54
270.0	241.72	184.78	147.80	120.63	100.14	81.34	67.91	56.02	46.96
300.0	391.36	285.54	214.56	164.53	127.84	101.75	82.95	69.68	58.32
330.0	661.40	547.91	439.25	358.13	284.70	221.62	173.89	135.67	112.42
360.0	1308.38	1076.63	852.55	659.18	498.03	389.06	251.39	181.41	125.77
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	87.17	62.23	46.89	38.60	32.61	28.32	25.17	22.48	20.41
30.0	89.09	64.23	46.73	37.29	31.54	26.63	23.33	21.03	18.42
60.0	57.09	57.40	48.96	35.99	23.87	17.27	13.74	11.28	9.29
90.0	36.45	30.54	25.25	19.95	16.96	14.43	12.51	10.59	8.67
120.0	52.64	52.57	49.11	39.83	25.32	16.65	13.28	10.90	9.06
150.0	86.41	57.55	42.59	34.61	29.39	25.17	22.10	20.03	17.88
180.0	81.42	59.32	46.27	37.68	32.23	27.86	24.79	22.33	20.26
210.0	88.17	61.31	45.89	37.14	31.23	26.78	23.79	21.56	19.64
240.0	60.16	63.16	53.10	40.21	31.00	23.79	17.42	13.43	10.82
270.0	39.37	33.30	28.47	24.33	19.72	16.50	14.35	12.28	10.36
300.0	51.41	48.27	50.19	48.19	35.07	24.48	17.88	13.43	10.82
330.0	89.71	62.54	43.43	34.99	29.54	25.09	22.41	20.57	18.80
360.0	87.17	62.23	46.89	38.60	32.61	28.32	25.17	22.48	20.41

# 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	18.57	16.58	14.58	12.66	10.82	8.98	6.98	4.22	1.76
30.0	15.58	12.89	10.28	7.37	5.14	2.99	1.15	0.54	0.38
60.0	7.75	5.91	4.37	2.69	1.53	1.23	0.92	0.77	0.31
90.0	6.91	5.22	3.68	2.46	2.00	1.53	1.30	0.92	0.23
120.0	7.60	5.83	4.14	2.69	1.53	1.30	1.00	0.69	0.15
150.0	15.04	12.51	10.13	7.06	4.83	2.69	1.00	0.54	0.38
180.0	18.26	16.35	14.35	12.35	10.44	8.59	6.37	3.84	1.23
210.0	17.11	13.66	10.67	8.21	5.68	3.45	1.69	0.84	0.46
240.0	9.13	7.52	5.83	4.22	2.69	1.69	1.46	1.15	0.77
270.0	8.44	6.68	4.91	3.45	2.46	2.23	1.53	1.38	0.92
300.0	8.98	7.44	5.76	4.30	2.76	1.69	1.38	1.07	0.84
330.0	17.04	13.89	11.05	8.59	5.76	3.53	1.92	0.92	0.61
360.0	18.57	16.58	14.58	12.66	10.82	8.98	6.98	4.22	1.76
C/γ(°)	90.0								
0.0	0.00								
30.0	0.00								
60.0	0.08								
90.0	0.00								
120.0	0.00								
150.0	0.00								
180.0	0.08								
210.0	0.08								
240.0	0.15								
270.0	0.31								
300.0	0.31								
330.0	0.15								
360.0	0.00								