

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 (30-XL-15RGBWN-AJ, L1000, C, CT)

报告编号:

电压(V): 220.2000

测试编号: 20210409006

电流(A): 0.3720

光源规格型号: XL

功率(W): 76.6000

每个光源光通量(lm)

功率因数: 0.9360

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): 2792.50

灯具效能(lm/w): 36.46

中心光强(cd): 6903.314

最大光强(cd): 7077.509

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=30.0

光束扩散角(10%Imax): [C0/180]Total=62.6

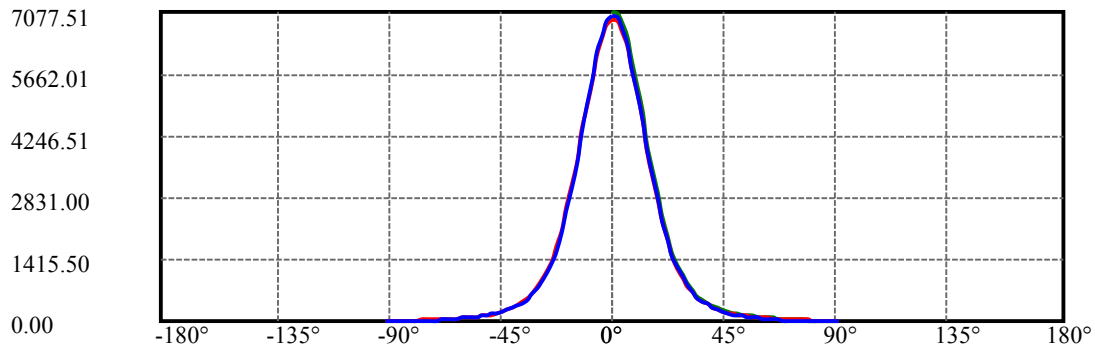
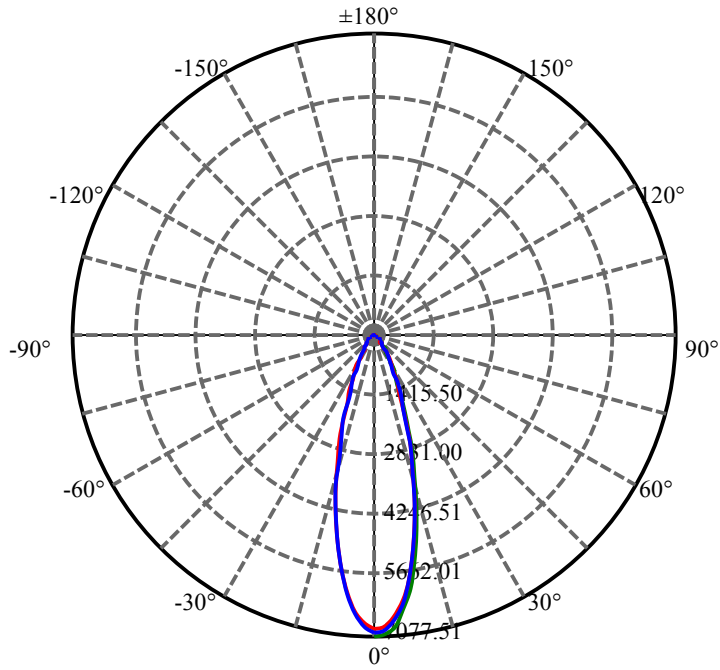
[C90/270]Total=62.3

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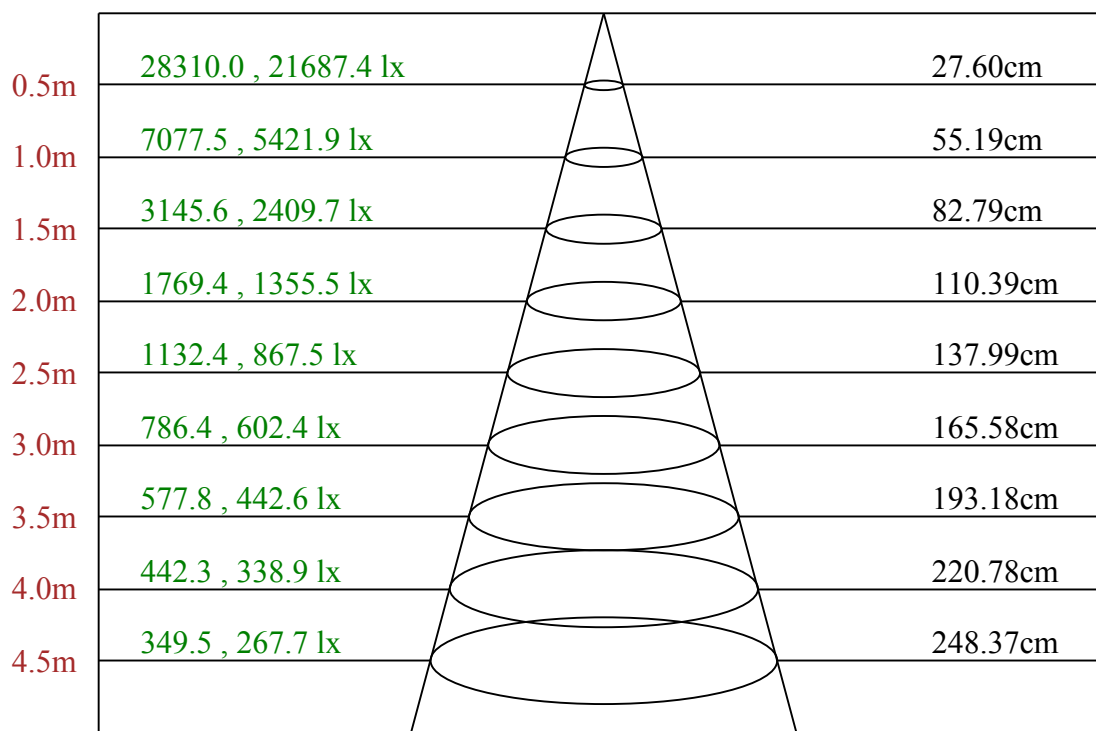
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/9  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

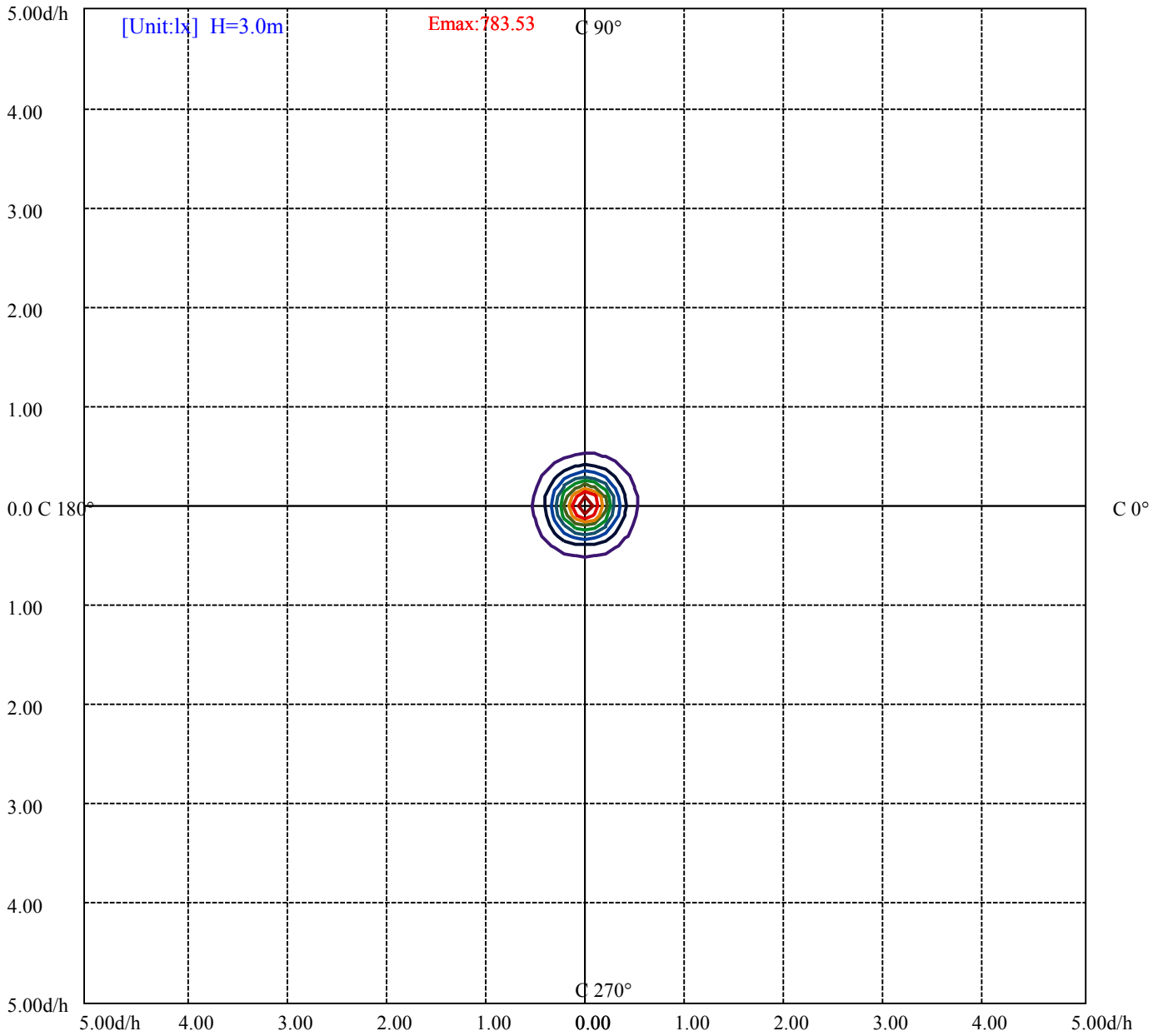


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角30.85

ROLED 投光灯  
平面等照度曲线



(10%Emax) 78.35323	——
(20%Emax) 156.7067	——
(30%Emax) 235.06	——
(40%Emax) 313.4133	——
(50%Emax) 391.7667	——
(60%Emax) 470.12	——
(70%Emax) 548.4722	——
(80%Emax) 626.8256	——
(90%Emax) 705.1789	——

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/9  
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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

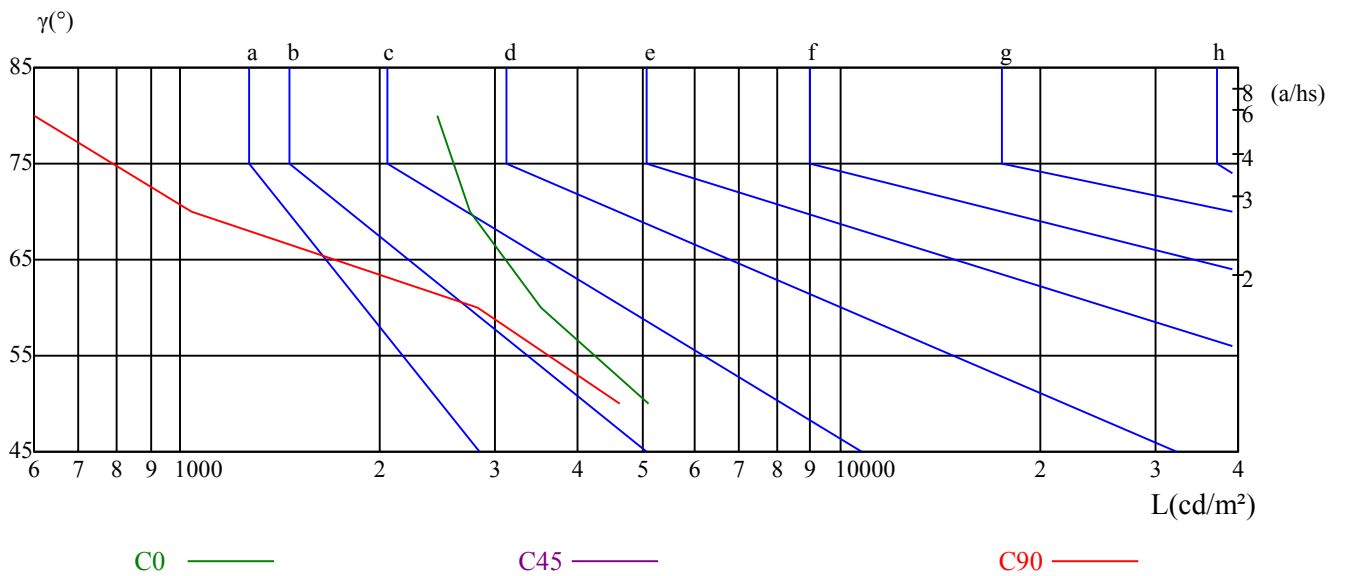
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5125	0	3511	0	2747	0	2445	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4643	0	2826	0	1038	0	561	0

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	$\leq 300$				
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	$\leq 300$
		a	b	c	d	e	f	g	h

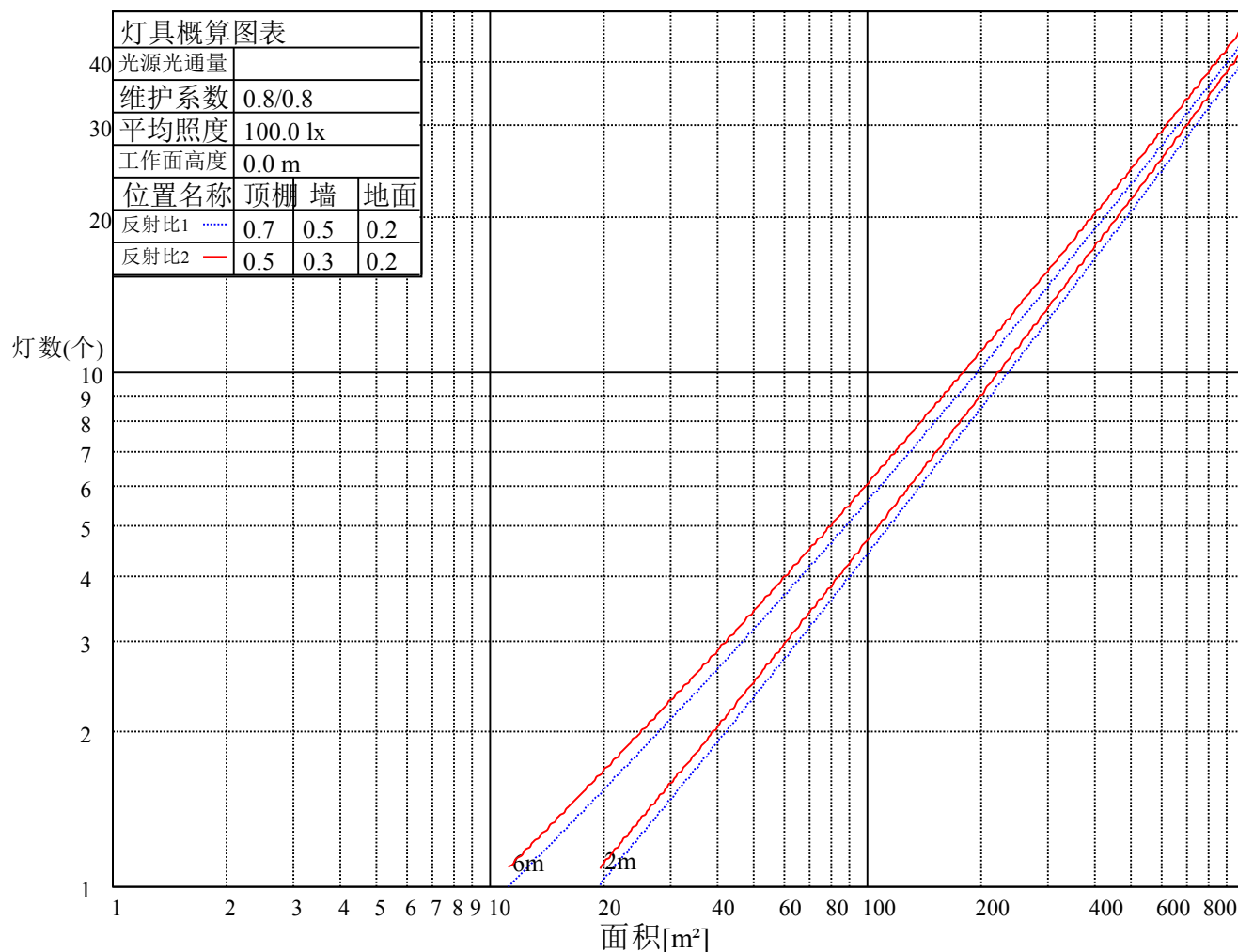
亮度限制曲线



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	7.86	8.90	8.22	9.22	9.53	8.29	9.34	8.66	9.65	9.97
	3H	8.32	9.25	8.70	9.58	9.95	9.51	10.44	9.90	10.77	11.14
	4H	8.34	9.19	8.74	9.55	9.93	9.96	10.82	10.37	11.17	11.56
	6H	8.29	9.08	8.71	9.45	9.85	10.27	11.06	10.69	11.43	11.83
	8H	8.26	9.00	8.70	9.39	9.80	10.38	11.11	10.81	11.50	11.91
	12H	8.25	8.95	8.68	9.33	9.77	10.52	11.22	10.96	11.61	12.04
4H	2H	8.22	9.08	8.63	9.43	9.82	8.59	9.44	8.99	9.80	10.19
	3H	8.81	9.51	9.22	9.91	10.32	10.06	10.76	10.48	11.17	11.57
	4H	8.83	9.45	9.27	9.88	10.32	10.62	11.25	11.06	11.67	12.12
	6H	8.80	9.33	9.27	9.78	10.25	10.94	11.48	11.41	11.93	12.40
	8H	8.76	9.26	9.24	9.71	10.18	11.06	11.56	11.54	12.01	12.49
	12H	8.75	9.18	9.24	9.67	10.15	11.21	11.64	11.71	12.13	12.61
8H	4H	8.95	9.44	9.42	9.89	10.37	10.60	11.10	11.08	11.55	12.02
	6H	8.92	9.32	9.43	9.82	10.30	10.97	11.36	11.48	11.87	12.35
	8H	8.90	9.25	9.43	9.77	10.27	11.12	11.47	11.65	11.99	12.49
	12H	9.65	9.95	10.17	10.45	11.03	11.85	12.16	12.37	12.65	13.23
12H	4H	8.92	9.35	9.41	9.84	10.31	10.55	10.97	11.04	11.46	11.94
	6H	9.21	9.25	9.44	9.73	10.27	11.23	11.27	11.45	11.74	12.29
	8H	8.90	9.21	9.42	9.70	10.28	11.09	11.39	11.61	11.89	12.47
对应照射距离，改变观察者位置S											
S = 1.0H		1.8/-2.1					1.3/-1.3				
S = 1.5H		3.5/-3.2					2.5/-1.9				
S = 2.0H		5.7/-5.4					4.3/-2.3				
标准表格		BK1					BK2				
更正系数		-3.9					-2.3				

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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	0.89	0.96	0.91	0.88	0.93	0.90	0.87	0.91	0.88	0.85	0.89	0.86	0.84	0.82
4	0.92	0.86	0.82	0.90	0.86	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.82	0.79	0.78
5	0.87	0.81	0.77	0.86	0.81	0.77	0.84	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.73
6	0.82	0.77	0.73	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.70
7	0.78	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.66
8	0.74	0.69	0.65	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.63
9	0.71	0.66	0.62	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.60
10	0.68	0.63	0.60	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.66	0.62	0.59	0.58



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	6903.31	6856.50	6646.24	6268.69	5805.20	5212.02	4555.91	3918.22	3317.37
30.0	7077.51	7048.35	6848.06	6488.16	6019.30	5420.74	4770.01	4100.86	3486.96
60.0	7026.09	6963.17	6730.65	6368.45	5843.57	5228.90	4616.53	3948.15	3318.13
90.0	6980.05	6933.24	6710.70	6333.92	5819.78	5238.11	4590.44	3963.50	3335.78
120.0	6947.82	6850.37	6584.09	6170.47	5650.19	5030.92	4417.02	3755.54	3144.71
150.0	6924.80	6842.69	6587.16	6185.82	5664.00	5083.87	4444.64	3835.35	3223.75
180.0	6903.31	6782.07	6497.37	6073.78	5554.27	4944.97	4347.19	3710.26	3113.24
210.0	7077.51	6936.31	6617.85	6185.82	5621.80	4976.43	4324.16	3711.03	3094.83
240.0	7026.09	6914.83	6642.41	6194.26	5670.91	5034.75	4360.23	3715.63	3133.20
270.0	6980.05	6861.88	6558.76	6135.17	5571.92	4957.25	4258.17	3641.20	3018.86
300.0	6947.82	6879.53	6638.57	6225.72	5727.69	5103.05	4428.53	3777.79	3182.31
330.0	6924.80	6847.30	6595.60	6217.28	5696.23	5070.82	4423.16	3803.88	3170.80
360.0	6903.31	6856.50	6646.24	6268.69	5805.20	5212.02	4555.91	3918.22	3317.37
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2733.39	2265.29	1835.56	1480.27	1201.71	971.50	798.07	656.11	542.53
30.0	2897.61	2398.82	1948.37	1579.26	1281.52	1052.84	861.76	709.06	590.88
60.0	2755.65	2280.64	1857.82	1518.94	1245.22	1011.71	837.44	680.66	566.09
90.0	2767.93	2292.92	1842.47	1509.43	1221.66	1004.50	823.39	674.52	544.84
120.0	2605.24	2150.19	1741.94	1433.69	1157.13	932.98	755.71	611.29	499.56
150.0	2675.07	2212.35	1797.96	1458.78	1180.22	963.06	781.96	639.22	516.44
180.0	2582.22	2112.59	1734.27	1419.80	1159.74	939.50	772.59	621.80	511.92
210.0	2586.82	2116.42	1710.48	1401.61	1151.83	935.12	775.36	638.38	524.19
240.0	2572.24	2107.98	1729.67	1397.39	1138.02	923.15	762.77	629.25	517.21
270.0	2511.62	2044.29	1592.31	1359.25	1104.48	896.60	737.14	609.83	494.65
300.0	2612.92	2137.14	1743.48	1402.00	1138.02	917.78	752.80	616.97	507.24
330.0	2616.75	2156.33	1736.57	1429.70	1157.28	934.13	762.93	630.32	513.68
360.0	2733.39	2265.29	1835.56	1480.27	1201.71	971.50	798.07	656.11	542.53
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	443.54	389.06	308.18	261.91	223.61	191.31	166.60	145.26	127.38
30.0	488.82	410.55	345.09	292.29	249.55	215.94	186.63	162.15	142.73
60.0	468.87	393.97	330.20	279.56	240.04	205.66	177.57	153.55	133.45
90.0	445.08	389.83	302.88	254.15	212.72	180.72	153.78	131.60	113.11
120.0	406.33	335.65	276.79	231.21	194.91	167.44	143.88	124.16	108.05
150.0	419.75	347.01	285.16	237.58	200.21	171.66	147.72	127.92	112.19
180.0	418.91	344.78	288.61	242.49	207.11	175.88	153.09	132.91	116.79
210.0	435.79	367.42	308.33	263.06	225.69	195.99	170.74	150.25	131.53
240.0	432.80	375.09	307.41	263.75	227.07	195.99	171.97	150.79	131.84
270.0	413.08	344.09	288.23	245.41	209.80	181.10	156.54	136.13	117.72
300.0	416.69	348.01	290.76	248.32	213.33	183.71	161.15	141.43	124.85
330.0	423.36	354.45	295.21	250.39	213.94	185.17	161.07	141.43	123.70
360.0	443.54	389.06	308.18	261.91	223.61	191.31	166.60	145.26	127.38
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	110.89	98.38	86.64	77.43	68.83	60.93	54.25	47.81	41.44
30.0	125.24	110.12	97.15	86.48	76.81	68.14	60.85	53.79	47.35
60.0	115.41	100.99	87.71	76.35	65.92	55.94	45.43	34.07	22.56
90.0	98.30	84.80	72.98	62.31	51.34	40.98	29.85	20.11	15.65
120.0	93.77	82.19	71.29	62.69	54.25	46.27	37.91	29.08	20.34
150.0	98.53	86.94	77.20	68.99	61.54	55.02	48.96	43.36	38.14
180.0	102.37	90.17	80.19	71.21	63.23	56.10	49.96	43.82	38.52
210.0	115.87	102.21	91.16	81.19	72.36	64.77	57.94	51.64	45.04
240.0	116.87	103.29	90.40	79.19	69.91	60.62	52.34	43.74	33.61
270.0	102.98	90.93	79.58	69.68	60.09	50.57	40.44	30.08	18.88
300.0	109.43	97.38	85.41	74.97	66.38	57.63	49.96	41.28	32.15
330.0	109.35	97.30	86.25	76.97	68.45	61.31	54.71	48.27	42.67
360.0	110.89	98.38	86.64	77.43	68.83	60.93	54.25	47.81	41.44

# 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	35.99	31.54	26.93	22.64	18.72	14.66	11.05	6.98	2.99
30.0	40.06	33.69	27.01	19.11	9.21	4.68	2.15	1.38	0.92
60.0	14.50	10.97	8.21	5.60	3.68	3.07	2.38	2.00	0.69
90.0	12.66	10.13	7.37	5.37	4.30	3.61	2.99	2.38	0.84
120.0	13.89	10.59	7.98	5.45	3.68	3.07	2.38	2.00	0.77
150.0	32.38	27.24	21.79	15.58	8.06	4.37	2.07	1.46	0.92
180.0	33.38	28.93	24.56	20.57	17.04	13.28	9.90	6.22	2.53
210.0	39.29	32.84	27.01	20.64	11.28	4.83	2.38	1.69	1.15
240.0	22.48	13.12	9.59	6.91	4.68	3.61	2.76	2.38	1.61
270.0	13.89	11.05	8.52	6.22	4.91	4.37	3.30	2.76	1.53
300.0	21.56	13.28	9.59	6.98	4.68	3.68	2.92	2.53	1.61
330.0	36.83	30.85	25.40	19.49	10.90	4.91	2.46	1.76	1.07
360.0	35.99	31.54	26.93	22.64	18.72	14.66	11.05	6.98	2.99
C/γ(°)	90.0								
0.0	0.08								
30.0	0.15								
60.0	0.08								
90.0	0.00								
120.0	0.00								
150.0	0.08								
180.0	0.08								
210.0	0.15								
240.0	0.31								
270.0	0.23								
300.0	0.23								
330.0	0.23								
360.0	0.08								