

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

报告编号:

电压(V): 220.4000

测试编号: 20210409004

电流(A): 0.3700

光源规格型号: XL

功率(W): 76.4000

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): 3269.18

灯具效能(lm/w): 42.79

中心光强(cd): 14425.130

最大光强(cd): 14801.150

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=22.1

[C90/270]Total=21.9

光束扩散角(10%Imax): [C0/180]Total=43.3

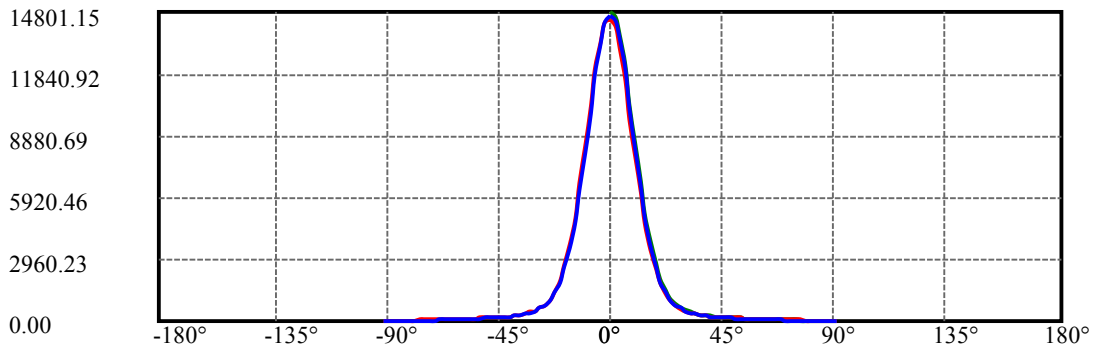
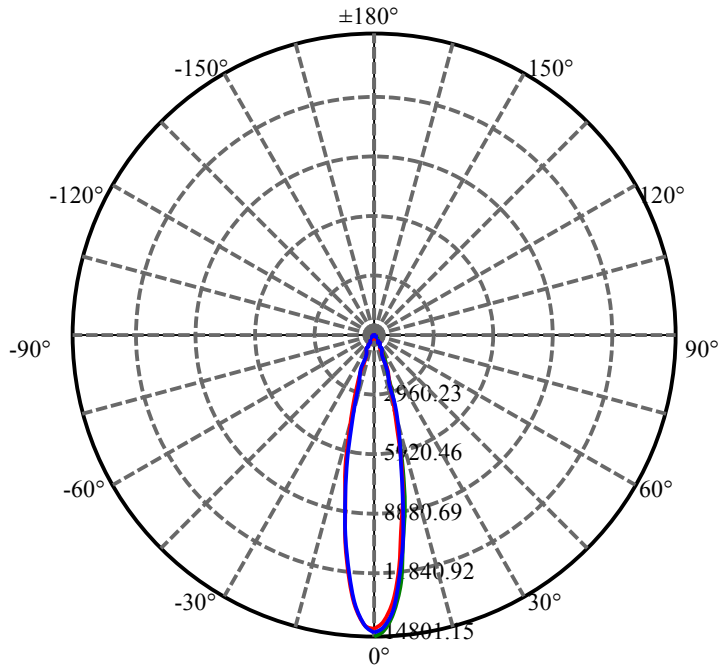
[C90/270]Total=43.1

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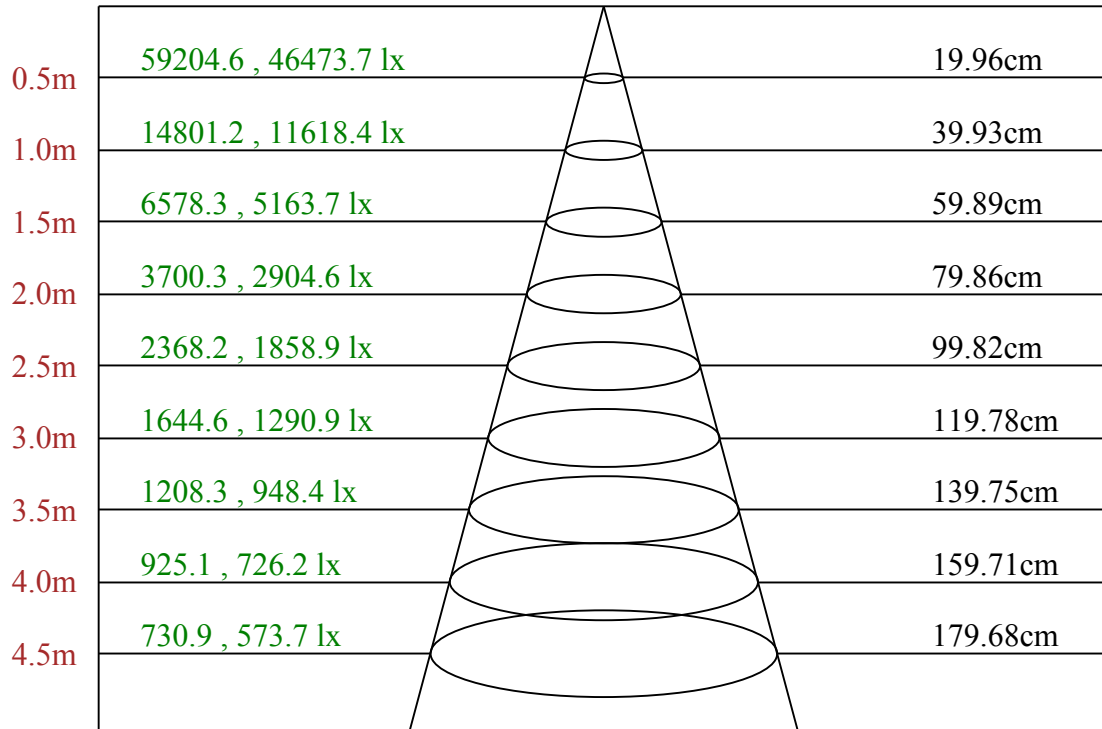
测试设备: GMS1800  
环境温度(°C): 25.0

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

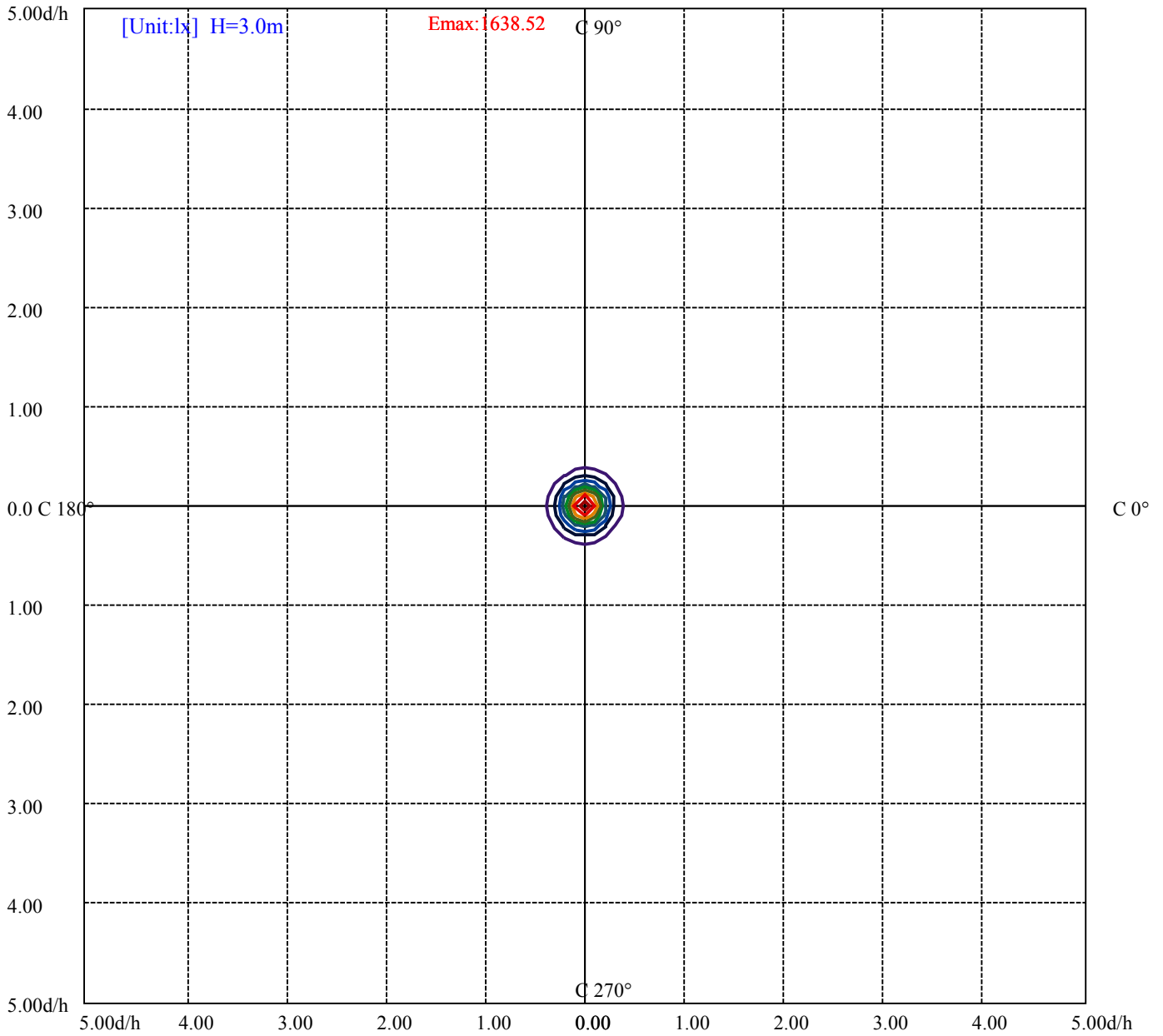


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角22.58

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 163.8511
- (20%Emax) 327.7033
- (30%Emax) 491.5545
- (40%Emax) 655.4055
- (50%Emax) 819.2578
- (60%Emax) 983.1089
- (70%Emax) 1146.956
- (80%Emax) 1310.811
- (90%Emax) 1474.667

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

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

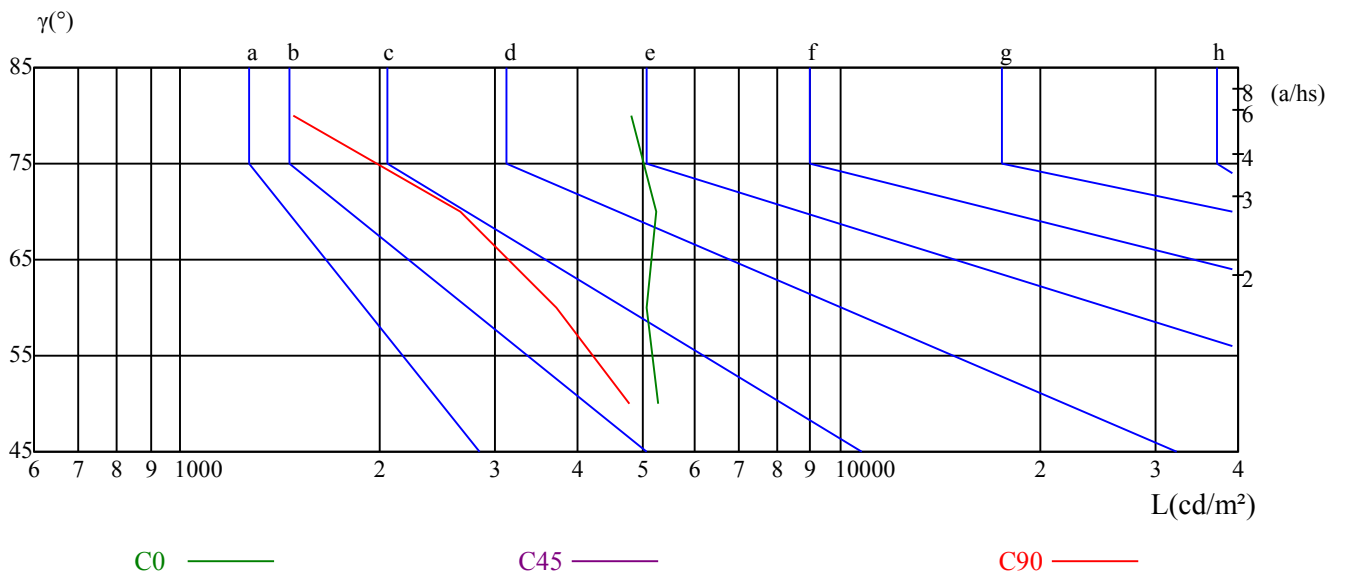
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5298	0	5081	0	5240	0	4820	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4773	0	3713	0	2656	0	1483	0

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

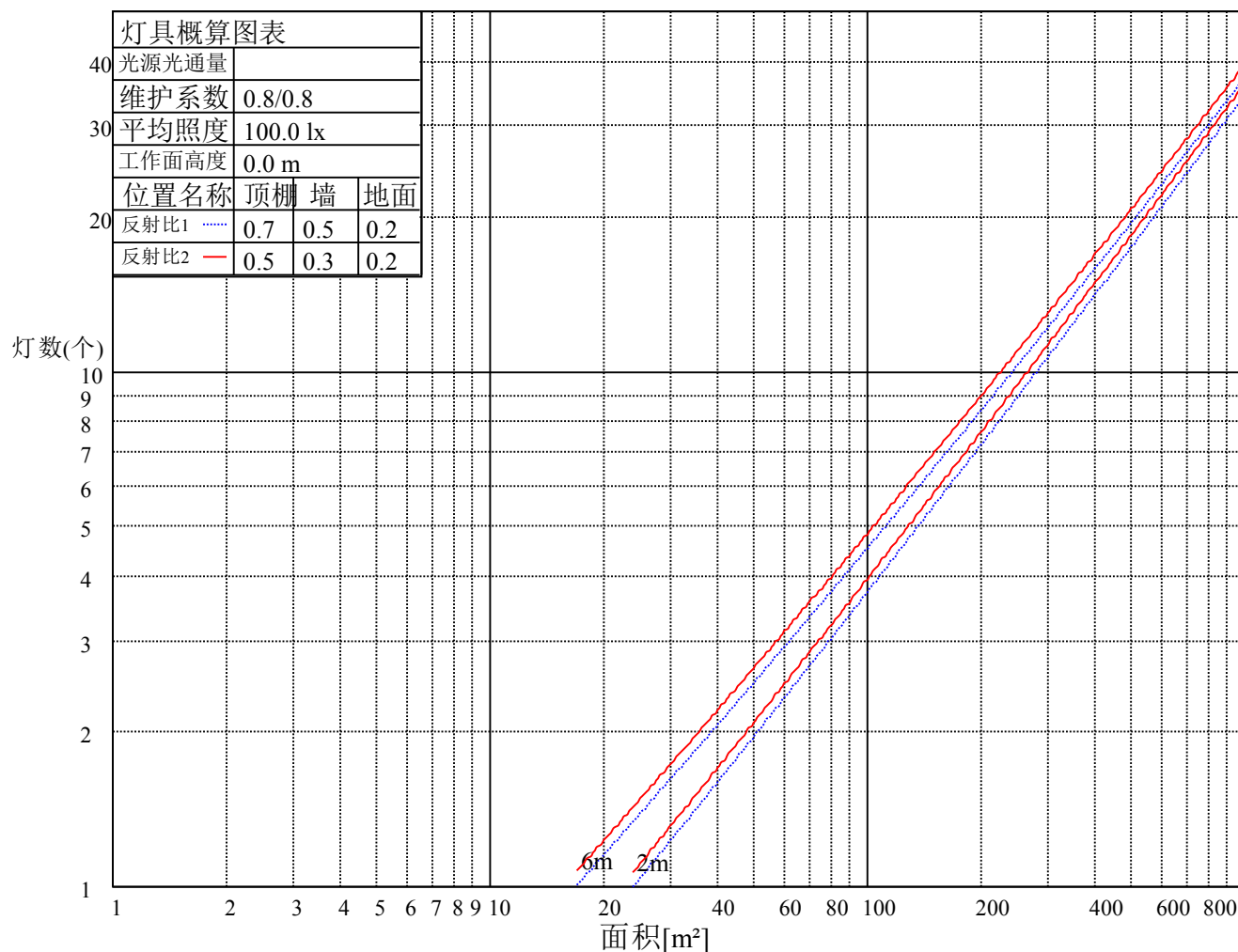
亮度限制曲线



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	8.10	9.15	8.47	9.46	9.78	9.40	10.45	9.76	10.76	11.08
	3H	9.17	10.10	9.55	10.43	10.80	11.51	12.44	11.90	12.78	13.14
	4H	9.40	10.27	9.81	10.62	11.01	12.24	13.10	12.64	13.45	13.84
	6H	9.50	10.29	9.92	10.67	11.06	12.76	13.55	13.18	13.92	14.32
	8H	9.51	10.26	9.95	10.65	11.06	12.94	13.68	13.37	14.08	14.49
	12H	9.53	10.24	9.97	10.63	11.06	13.19	13.90	13.62	14.28	14.71
4H	2H	8.85	9.71	9.25	10.06	10.45	9.85	10.71	10.25	11.07	11.45
	3H	9.99	10.70	10.40	11.11	11.51	12.22	12.93	12.64	13.34	13.74
	4H	10.26	10.90	10.70	11.32	11.77	13.02	13.65	13.45	14.07	14.52
	6H	10.37	10.91	10.84	11.36	11.83	13.51	14.05	13.98	14.50	14.98
	8H	10.38	10.89	10.86	11.34	11.81	13.72	14.22	14.19	14.67	15.15
	12H	10.40	10.84	10.89	11.33	11.81	13.97	14.41	14.46	14.89	15.37
8H	4H	10.57	11.07	11.04	11.52	12.00	13.03	13.54	13.51	13.99	14.46
	6H	10.71	11.11	11.22	11.61	12.10	13.57	13.98	14.08	14.48	14.96
	8H	10.75	11.10	11.28	11.62	12.12	13.82	14.18	14.35	14.70	15.19
	12H	11.39	11.70	11.91	12.20	12.77	14.64	14.95	15.17	15.45	16.03
12H	4H	10.56	11.00	11.05	11.49	11.97	12.98	13.42	13.47	13.91	14.38
	6H	11.04	11.07	11.25	11.55	12.09	13.85	13.89	14.06	14.36	14.90
	8H	10.78	11.09	11.30	11.59	12.17	13.80	14.10	14.32	14.60	15.18
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.7					0.2/-0.6					
S = 1.5H	1.0/-1.2					1.0/-0.7					
S = 2.0H	2.8/-1.8					1.1/-0.8					
标准表格	BK3					BK3					
更正系数	-3.0					-0.8					

# 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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.94
2	1.05	1.01	0.98	1.03	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.90	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.85
4	0.94	0.89	0.86	0.93	0.89	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.85	0.82	0.81
5	0.90	0.85	0.81	0.89	0.84	0.81	0.87	0.83	0.80	0.86	0.82	0.80	0.84	0.81	0.79	0.78
6	0.86	0.81	0.78	0.85	0.81	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.76	0.75
7	0.83	0.78	0.74	0.82	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.72
8	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.77	0.73	0.71	0.70
9	0.77	0.72	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.67
10	0.75	0.70	0.67	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.65



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	14425.13	14033.00	13044.62	11460.76	9684.29	7923.92	6202.70	4713.99	3440.15
30.0	14801.15	14560.96	13699.96	12182.86	10377.23	8547.03	6714.54	5192.83	3839.18
60.0	14692.18	14346.86	13316.28	11749.29	9947.50	7998.36	6309.37	4750.82	3486.96
90.0	14602.40	14382.93	13478.19	12063.92	10241.40	8301.47	6465.91	4954.18	3623.55
120.0	14516.45	14263.99	13316.28	11836.77	9976.66	8160.28	6385.34	4766.17	3480.82
150.0	14452.76	14306.19	13571.81	12215.86	10455.50	8530.15	6792.04	5139.12	3781.63
180.0	14425.13	14226.38	13349.27	12072.36	10253.68	8400.47	6604.81	4996.39	3651.94
210.0	14801.15	14416.69	13429.85	11993.32	10085.62	8207.85	6421.40	4824.49	3518.42
240.0	14692.18	14468.87	13602.51	12113.03	10364.18	8411.21	6611.71	5027.85	3744.79
270.0	14602.40	14290.84	13259.49	11768.48	9896.85	7986.85	6251.81	4783.82	3497.70
300.0	14516.45	14246.34	13347.74	11826.80	10051.09	8178.69	6496.61	4919.65	3575.20
330.0	14452.76	14022.26	12985.54	11414.72	9709.61	7787.33	6168.94	4623.44	3396.41
360.0	14425.13	14033.00	13044.62	11460.76	9684.29	7923.92	6202.70	4713.99	3440.15
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2511.62	1798.73	1314.52	974.57	748.19	590.88	489.59	408.24	342.71
30.0	2779.44	2002.85	1473.36	1086.60	825.70	654.57	527.19	434.33	376.55
60.0	2528.50	1844.00	1347.13	1018.92	778.50	614.36	501.86	414.38	350.69
90.0	2590.66	1879.30	1349.81	995.29	756.63	599.32	482.68	398.27	330.36
120.0	2462.51	1642.18	1259.34	950.86	726.32	578.75	470.55	391.82	334.65
150.0	2669.70	1885.44	1346.74	1003.73	758.17	591.65	481.91	399.80	342.25
180.0	2632.87	1909.23	1378.74	1030.51	779.27	618.58	498.56	414.69	345.55
210.0	2596.03	1870.86	1363.01	1027.98	781.42	620.27	499.56	419.22	352.92
240.0	2712.67	1960.65	1438.06	1066.65	815.72	636.92	521.82	431.27	378.01
270.0	2566.87	1834.80	1333.09	997.67	773.75	607.53	492.43	410.55	341.56
300.0	2599.87	1857.82	1335.23	996.82	775.82	607.76	492.66	410.55	345.78
330.0	2431.05	1624.53	1271.16	947.40	725.17	572.39	471.40	389.90	331.58
360.0	2511.62	1798.73	1314.52	974.57	748.19	590.88	489.59	408.24	342.71
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	295.75	256.38	223.92	201.36	185.01	171.20	160.38	150.18	140.89
30.0	315.01	273.03	240.65	214.02	192.84	176.80	163.45	152.63	143.88
60.0	301.27	263.82	230.90	203.97	182.71	167.21	154.55	144.11	134.83
90.0	278.71	242.49	212.41	191.54	174.19	160.61	148.03	135.29	122.24
120.0	287.15	249.01	219.16	195.99	176.65	162.30	150.33	140.51	131.37
150.0	292.60	256.07	226.15	203.05	183.17	167.59	156.16	146.49	138.90
180.0	297.13	258.07	227.83	205.50	187.85	172.66	160.46	150.48	141.50
210.0	305.26	268.97	236.89	211.41	190.46	174.04	161.76	152.09	143.58
240.0	312.48	271.50	238.04	213.10	191.69	174.04	160.69	149.18	139.97
270.0	288.99	246.79	216.40	194.07	176.34	163.07	151.56	140.28	128.92
300.0	296.82	257.45	226.61	201.51	182.71	166.44	153.78	143.88	134.83
330.0	285.54	249.24	221.16	197.68	178.65	163.68	152.63	143.12	135.52
360.0	295.75	256.38	223.92	201.36	185.01	171.20	160.38	150.18	140.89
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	133.22	126.08	119.10	112.04	106.05	100.30	94.31	86.94	79.04
30.0	136.75	130.22	125.01	120.86	116.79	112.11	104.59	95.77	83.64
60.0	124.39	112.96	100.83	90.09	79.73	70.45	61.08	51.41	43.28
90.0	110.35	99.61	90.70	81.88	73.21	64.08	56.17	47.81	40.06
120.0	121.78	111.19	99.53	88.94	78.96	69.52	60.55	51.95	43.51
150.0	131.53	125.70	120.09	115.34	111.19	105.44	98.68	89.63	78.66
180.0	133.91	126.69	119.56	112.73	106.74	101.37	94.92	88.09	79.96
210.0	136.29	130.53	125.62	121.94	117.41	111.50	103.90	95.00	84.18
240.0	130.91	122.01	110.73	99.30	87.71	76.89	67.68	58.01	47.88
270.0	116.03	104.29	94.39	85.10	76.05	67.68	58.55	50.34	41.67
300.0	126.85	117.72	107.36	95.62	85.03	74.36	64.92	55.48	45.89
330.0	129.15	123.70	118.64	114.11	109.81	104.82	97.92	89.40	79.04
360.0	133.22	126.08	119.10	112.04	106.05	100.30	94.31	86.94	79.04

# 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	70.29	61.24	52.64	44.43	36.91	28.93	20.49	12.82	5.22
30.0	70.45	55.10	40.52	27.47	17.27	10.28	4.91	2.92	1.92
60.0	34.53	27.01	19.03	12.82	9.90	6.60	3.91	3.30	1.23
90.0	32.15	24.40	17.73	13.43	11.36	6.75	5.06	4.07	1.53
120.0	35.38	27.93	20.18	13.74	10.44	7.52	4.37	3.68	1.61
150.0	65.99	52.72	39.44	27.17	18.19	10.74	5.14	3.30	2.00
180.0	71.44	62.69	53.79	45.81	38.06	30.77	22.71	15.42	7.60
210.0	71.83	57.86	43.05	29.62	18.34	10.90	5.53	3.30	2.15
240.0	39.37	31.62	23.48	16.19	11.13	8.75	5.06	4.22	2.69
270.0	34.15	26.17	19.41	14.35	11.82	7.75	5.45	4.53	2.38
300.0	38.14	30.16	22.79	15.81	10.97	8.52	4.91	4.14	2.53
330.0	67.76	53.03	39.83	26.70	17.04	9.75	5.14	2.92	2.00
360.0	70.29	61.24	52.64	44.43	36.91	28.93	20.49	12.82	5.22

C/γ(°)	90.0
0.0	0.15
30.0	0.15
60.0	0.15
90.0	0.08
120.0	0.08
150.0	0.15
180.0	0.31
210.0	0.38
240.0	0.46
270.0	0.38
300.0	0.31
330.0	0.15
360.0	0.15