

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1122A-3-24DC-RC-Y (12-XL-3RGBWN-AJ, CT)

报告编号:

电压(V): 23.9000

测试编号: 20210413001

电流(A): 0.5760

光源规格型号: XL

功率(W): 13.8000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 3

镇流器型号:

发光面长度(mm): 83

发光面宽度(mm): 83

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 680.98

灯具效能(lm/w): 49.35

中心光强(cd): 7680.667

最大光强(cd): 7691.410

最大光强角度: C=90.0 γ =2.0

半峰边角(50%Imax): [C0/180]Total=13.8

[C90/270]Total=14.0

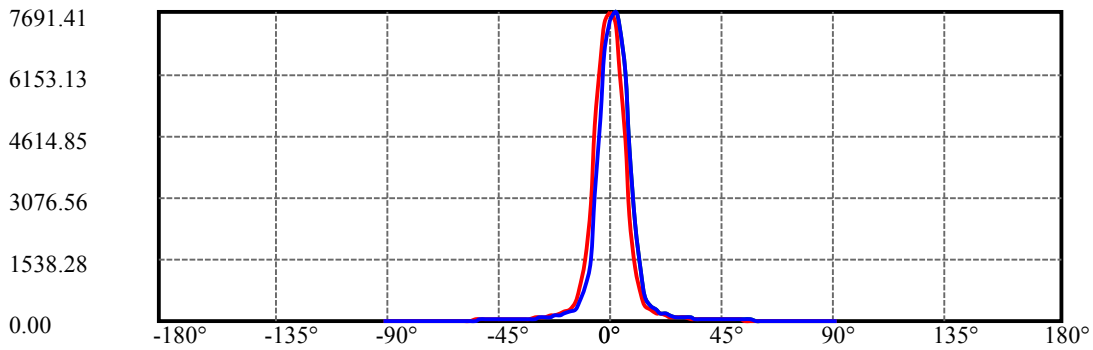
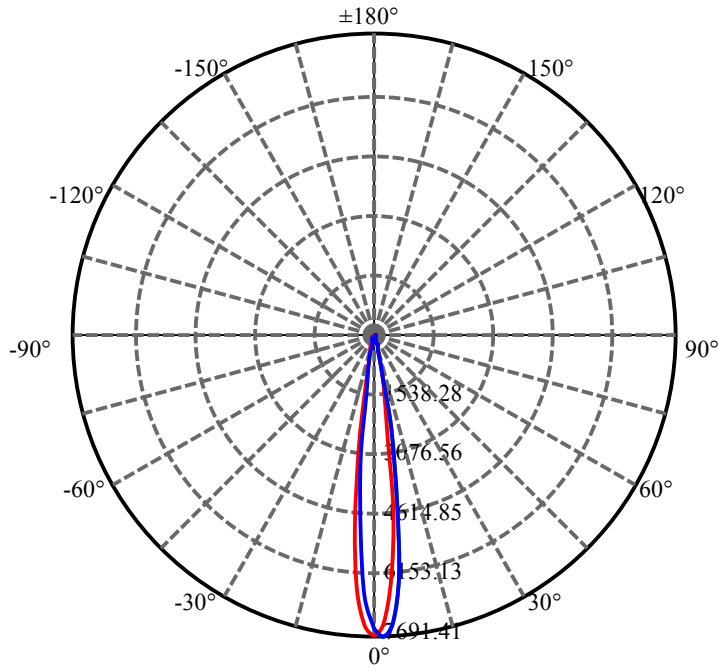
光束扩散角(10%Imax): [C0/180]Total=23.9

[C90/270]Total=24.1

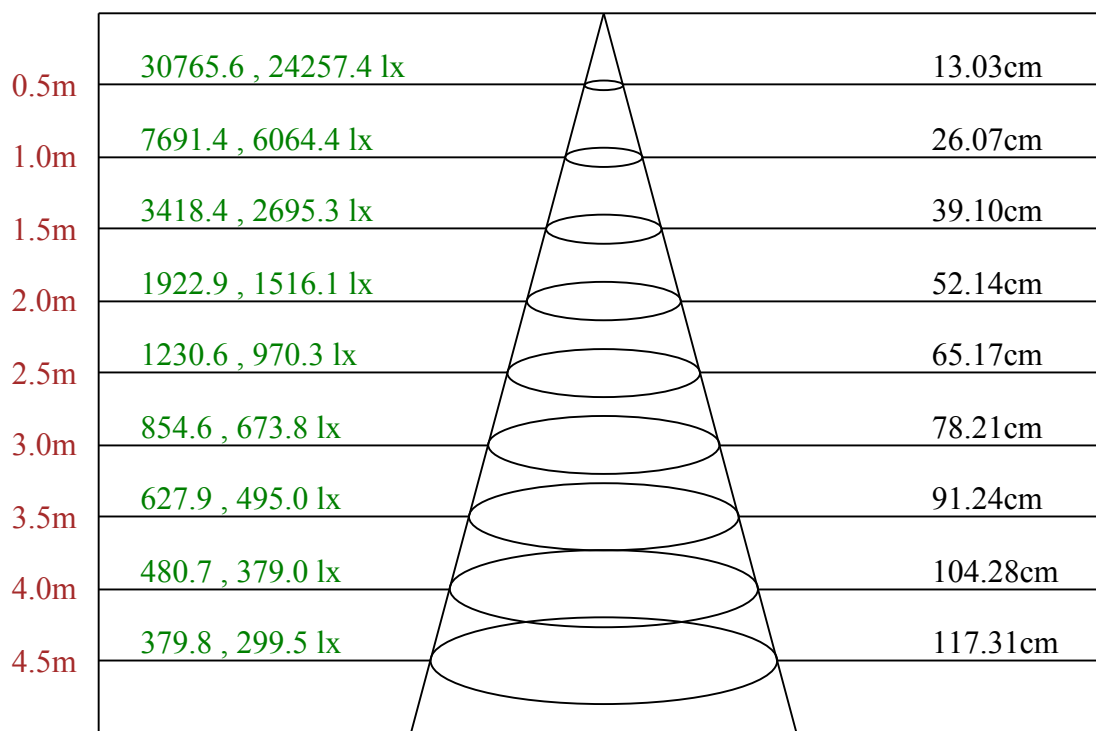
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/13
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

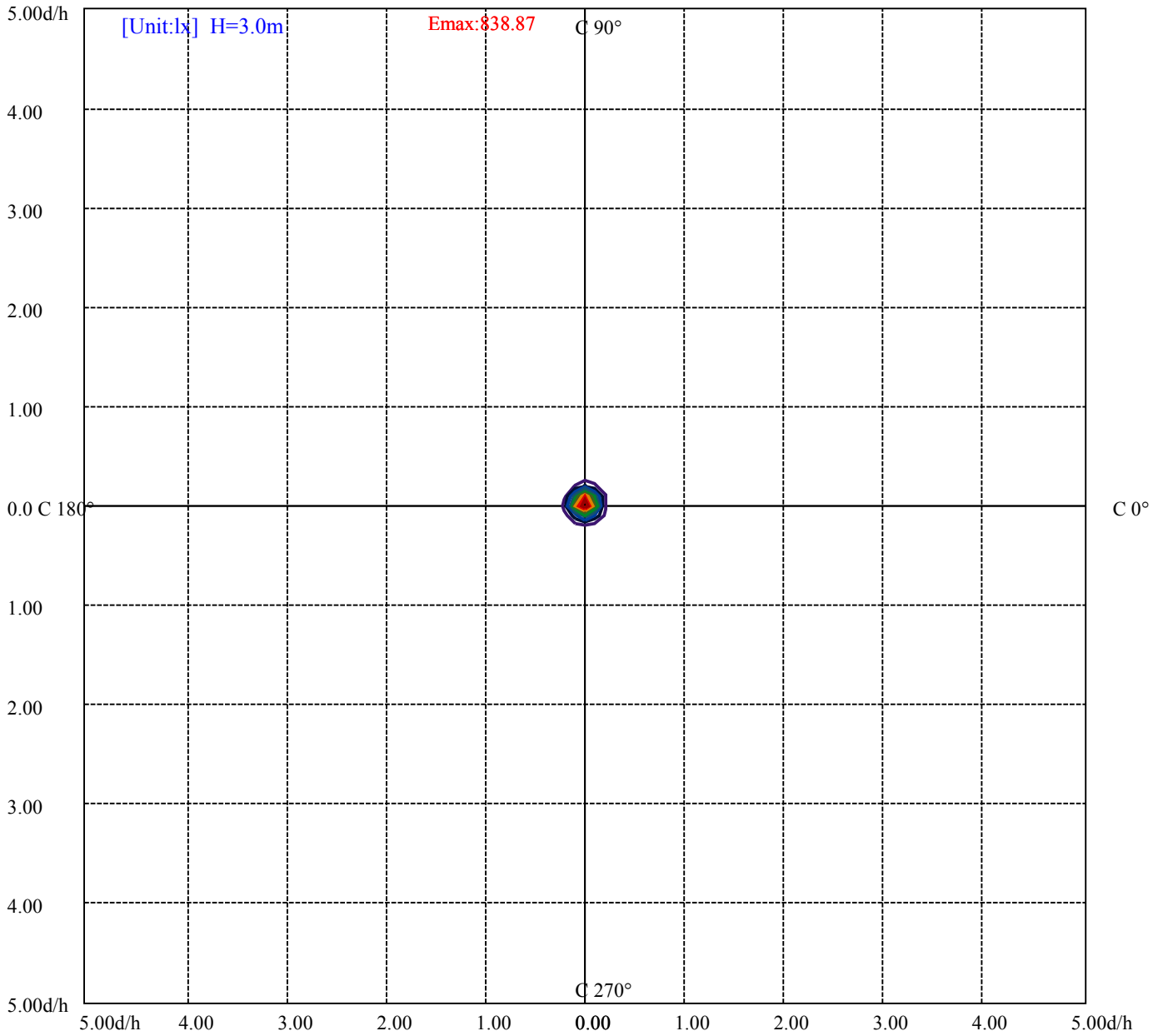


C90(Max): —
C0/C180: —
C90/C270: —



Max , Ave C90面光束角14.84

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平面等照度曲线



- (10%Emax) 83.88712
- (20%Emax) 167.7744
- (30%Emax) 251.6611
- (40%Emax) 335.5489
- (50%Emax) 419.4355
- (60%Emax) 503.3222
- (70%Emax) 587.21
- (80%Emax) 671.0967
- (90%Emax) 754.9833

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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

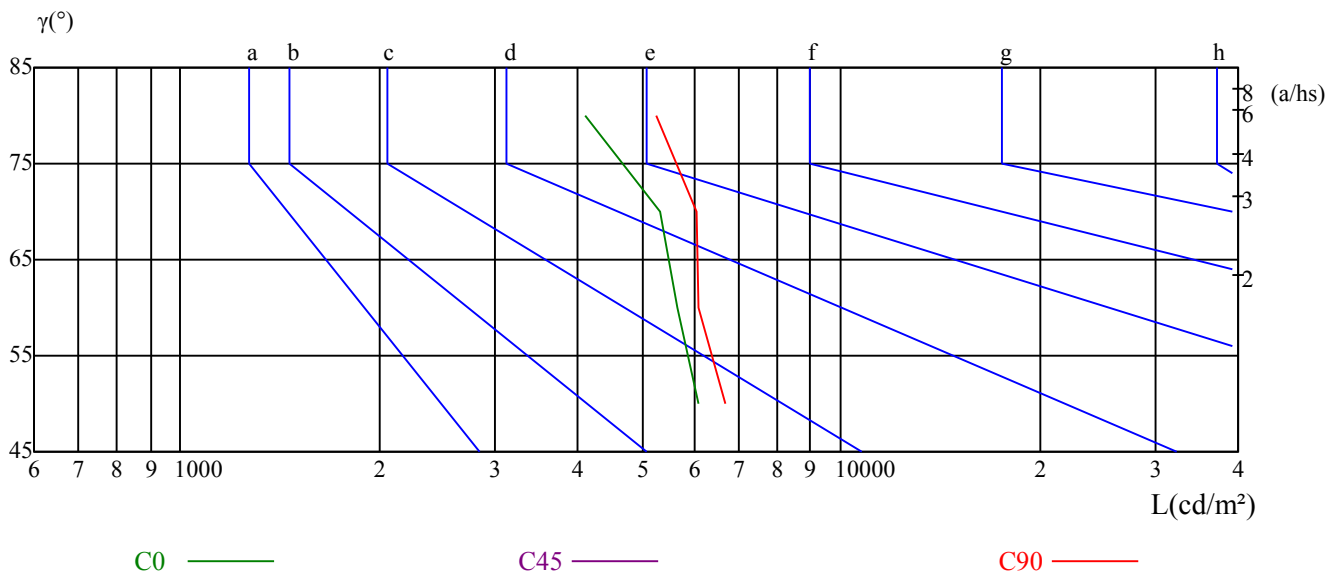
γ	45	50	55	60	65	70	75	80	85
C0	0	6083	0	5659	0	5341	0	4105	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6689	0	6082	0	6058	0	5260	0

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

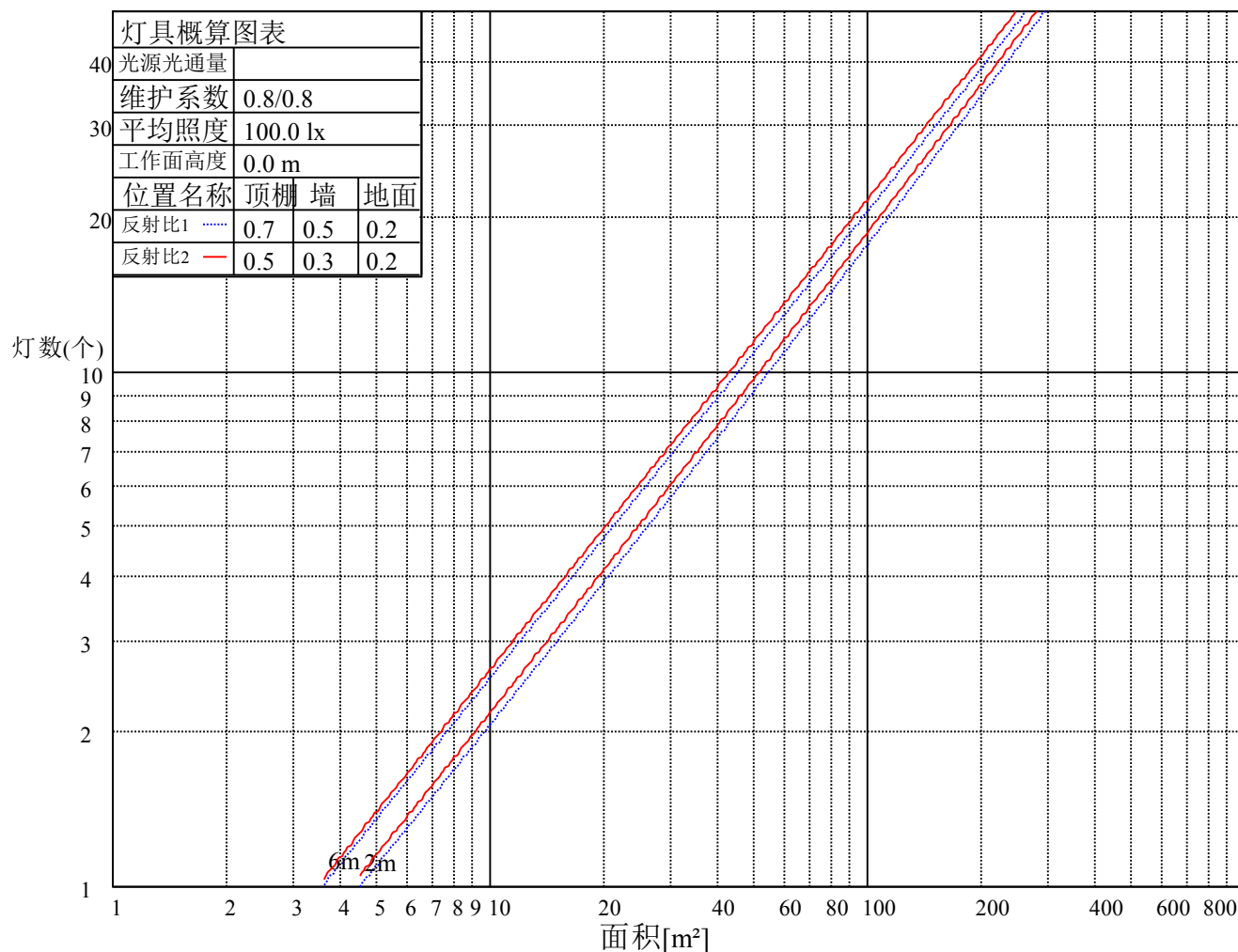
眩光等级表

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	14.65	15.67	15.01	15.98	16.30	14.60	15.63	14.97	15.94	16.25
	3H	16.58	17.48	16.96	17.82	18.18	16.52	17.43	16.91	17.76	18.13
	4H	17.31	18.15	17.71	18.50	18.89	17.22	18.06	17.63	18.41	18.80
	6H	17.80	18.57	18.21	18.94	19.34	17.69	18.46	18.11	18.83	19.23
	8H	17.92	18.65	18.36	19.04	19.45	17.82	18.54	18.25	18.93	19.34
	12H	18.04	18.73	18.47	19.11	19.54	17.94	18.63	18.38	19.02	19.45
4H	2H	15.23	16.07	15.63	16.42	16.81	15.19	16.03	15.60	16.39	16.78
	3H	17.37	18.06	17.79	18.47	18.88	17.32	18.01	17.73	18.42	18.82
	4H	18.23	18.84	18.66	19.27	19.72	18.14	18.76	18.58	19.18	19.63
	6H	18.73	19.26	19.20	19.71	20.18	18.62	19.15	19.09	19.60	20.07
	8H	18.89	19.39	19.37	19.84	20.31	18.79	19.28	19.26	19.73	20.20
	12H	19.02	19.44	19.51	19.93	20.41	18.92	19.34	19.41	19.83	20.31
8H	4H	18.49	18.98	18.97	19.43	19.91	18.41	18.91	18.89	19.36	19.83
	6H	19.15	19.54	19.66	20.04	20.52	19.03	19.43	19.54	19.93	20.41
	8H	19.39	19.74	19.92	20.26	20.75	19.27	19.62	19.80	20.14	20.64
	12H	20.00	20.29	20.52	20.79	21.37	19.89	20.19	20.42	20.69	21.27
12H	4H	18.49	18.91	18.98	19.40	19.88	18.42	18.84	18.91	19.33	19.81
	6H	19.48	19.53	19.72	20.00	20.55	19.38	19.43	19.61	19.90	20.45
	8H	19.48	19.77	20.00	20.27	20.85	19.36	19.66	19.88	20.16	20.74
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.6					0.3/-0.6					
S = 1.5H	0.8/-0.7					0.8/-0.7					
S = 2.0H	1.0/-0.7					1.0/-0.8					
标准表格	BK3					BK4					
更正系数	-0.5					-0.4					



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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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96
2	1.06	1.03	1.00	1.05	1.02	0.99	1.02	0.99	0.97	0.99	0.97	0.95	0.96	0.94	0.93	0.92
3	1.02	0.98	0.95	1.00	0.97	0.94	0.98	0.95	0.92	0.95	0.93	0.91	0.93	0.91	0.90	0.88
4	0.98	0.93	0.90	0.97	0.93	0.90	0.95	0.91	0.89	0.93	0.90	0.88	0.91	0.89	0.87	0.85
5	0.94	0.90	0.87	0.93	0.89	0.86	0.92	0.88	0.86	0.90	0.87	0.85	0.89	0.86	0.84	0.83
6	0.91	0.87	0.84	0.91	0.87	0.84	0.89	0.86	0.83	0.88	0.85	0.83	0.87	0.84	0.82	0.81
7	0.89	0.85	0.82	0.88	0.84	0.82	0.87	0.84	0.81	0.86	0.83	0.81	0.85	0.82	0.80	0.79
8	0.87	0.83	0.80	0.86	0.82	0.80	0.85	0.82	0.79	0.84	0.81	0.79	0.84	0.81	0.79	0.78
9	0.85	0.81	0.78	0.84	0.81	0.78	0.84	0.80	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.76
10	0.83	0.79	0.77	0.83	0.79	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.81	0.78	0.76	0.75

ROLED 投光灯

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	7680.67	7340.72	6173.54	4476.10	2629.80	1342.91	675.29	394.43	266.97
30.0	7532.56	7589.35	6926.34	5456.81	3677.27	2015.13	1002.19	560.95	395.97
60.0	7567.09	7636.93	7029.93	5636.38	3744.79	2107.21	1058.13	565.10	351.38
90.0	7505.70	7691.41	7308.49	6164.33	4331.07	2447.93	1252.36	634.62	391.36
120.0	7582.44	7633.09	7136.60	5859.68	3912.85	2152.49	1033.96	549.21	338.26
150.0	7684.50	7514.15	6712.24	5171.35	3183.08	1608.42	802.68	446.61	299.74
180.0	7680.67	7425.13	6496.61	4861.33	2919.10	1523.93	806.59	467.33	296.05
210.0	7532.56	6828.88	5355.52	3584.41	1980.60	1024.14	581.06	359.98	256.76
240.0	7567.09	6894.11	5299.50	3505.37	1924.58	999.12	544.84	392.90	248.78
270.0	7505.70	6686.15	5050.10	3144.71	1520.40	836.06	464.42	298.89	224.38
300.0	7582.44	6933.24	5439.93	3607.43	1921.51	936.20	476.54	310.79	227.60
330.0	7684.50	7287.77	6155.89	4356.39	2546.15	1219.51	601.93	364.43	255.38
360.0	7680.67	7340.72	6173.54	4476.10	2629.80	1342.91	675.29	394.43	266.97
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	209.26	170.28	139.05	116.79	100.14	87.71	76.43	67.68	59.32
30.0	251.16	200.90	163.07	133.60	112.04	97.84	85.41	74.74	66.38
60.0	258.15	203.20	166.14	136.06	113.80	97.99	85.79	75.36	66.22
90.0	263.44	204.35	168.13	136.52	114.57	98.07	86.18	75.28	66.30
120.0	244.10	191.61	157.47	128.92	107.20	92.70	81.19	71.21	63.08
150.0	220.77	178.41	145.34	120.25	101.37	87.94	77.27	67.91	60.32
180.0	223.92	179.03	145.88	121.48	103.14	90.32	79.04	69.37	61.24
210.0	203.35	163.83	134.06	113.57	97.61	85.18	75.20	66.15	58.47
240.0	195.91	159.31	130.30	110.66	95.77	83.95	73.59	65.23	57.63
270.0	179.95	148.72	122.63	104.13	90.32	78.96	69.68	61.54	55.10
300.0	209.11	169.59	138.05	115.80	98.45	85.41	74.97	66.53	58.78
330.0	199.75	162.22	133.98	111.50	96.00	83.64	73.36	64.54	57.32
360.0	209.26	170.28	139.05	116.79	100.14	87.71	76.43	67.68	59.32
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	52.87	47.04	42.13	37.91	34.07	31.31	29.08	26.93	24.86
30.0	58.63	52.10	46.35	41.52	37.29	33.76	31.16	28.62	26.40
60.0	58.63	52.26	46.58	41.98	37.45	33.99	31.31	28.93	26.55
90.0	58.78	52.26	46.50	41.67	37.60	34.07	31.62	29.62	27.40
120.0	56.33	50.19	45.04	40.67	36.45	33.00	30.39	28.32	26.01
150.0	53.64	48.04	43.20	38.91	35.15	32.00	29.54	27.24	25.25
180.0	54.64	48.42	43.43	39.37	35.84	33.07	31.08	28.62	26.24
210.0	52.10	46.96	42.21	37.91	34.53	31.92	29.62	27.17	25.17
240.0	51.64	46.27	41.28	37.22	33.84	31.08	28.85	26.55	24.71
270.0	49.19	43.97	39.52	35.53	32.31	30.00	27.78	25.55	24.02
300.0	52.64	46.96	41.90	37.60	34.07	31.23	28.93	26.78	24.71
330.0	51.34	45.43	41.13	36.99	33.38	30.70	28.55	26.24	24.33
360.0	52.87	47.04	42.13	37.91	34.07	31.31	29.08	26.93	24.86
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	23.33	22.18	20.80	19.49	18.03	16.73	15.42	14.12	12.58
30.0	24.40	22.94	21.49	20.18	18.80	17.65	16.35	14.96	13.35
60.0	24.63	23.10	21.79	20.34	18.95	17.80	16.50	15.19	13.74
90.0	25.40	23.94	22.41	20.95	19.57	18.26	16.88	15.58	14.27
120.0	24.25	22.87	21.49	20.18	18.88	17.65	16.42	15.27	13.89
150.0	23.56	22.25	20.80	19.57	18.34	17.11	15.88	14.43	13.12
180.0	24.56	23.10	21.72	20.26	18.80	17.57	16.19	14.89	13.51
210.0	23.64	22.18	20.80	19.57	18.26	17.04	15.81	14.43	13.20
240.0	23.25	21.95	20.57	19.26	18.11	16.81	15.58	14.20	12.82
270.0	22.79	21.49	20.18	18.72	17.42	16.11	14.81	13.43	11.97
300.0	23.10	21.79	20.49	19.26	18.03	16.81	15.65	14.27	13.05
330.0	22.94	21.64	20.34	18.95	17.73	16.65	15.50	14.12	12.89
360.0	23.33	22.18	20.80	19.49	18.03	16.73	15.42	14.12	12.58

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	10.97	9.29	7.75	6.29	4.91	3.53	2.00	0.84	0.00
30.0	11.89	10.28	8.90	7.37	5.99	4.60	3.22	1.84	0.31
60.0	12.28	10.59	9.06	7.60	6.14	4.68	3.07	1.69	0.38
90.0	12.89	11.43	9.98	8.13	6.29	4.53	3.07	1.76	0.69
120.0	12.35	10.90	9.36	7.83	6.37	5.06	3.22	1.84	0.54
150.0	11.59	10.13	8.82	7.29	5.76	4.53	3.15	1.69	0.08
180.0	11.89	10.28	8.67	7.14	5.76	4.30	2.92	1.46	0.31
210.0	11.74	10.44	8.75	7.06	5.06	3.30	1.92	0.77	0.08
240.0	11.43	9.75	8.21	6.68	5.06	3.61	1.92	0.77	0.00
270.0	10.67	8.98	7.37	5.83	4.53	3.15	1.76	0.23	0.00
300.0	11.66	10.28	8.67	7.14	5.76	4.30	2.61	1.15	0.00
330.0	11.66	10.13	8.59	6.91	5.06	3.45	2.15	0.84	0.00
360.0	10.97	9.29	7.75	6.29	4.91	3.53	2.00	0.84	0.00
C/γ(°)	90.0								
0.0	0.00								
30.0	0.00								
60.0	0.00								
90.0	0.00								
120.0	0.00								
150.0	0.00								
180.0	0.00								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	0.00								