

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1021A-3-UN (30-OL-3WN-AJ, P1)

报告编号:

电压(V): 220.6000

测试编号: 20210412006

电流(A): 0.0420

光源规格型号: OL

功率(W): 4.4000

每个光源光通量(lm)

功率因数: 0.4670

光源数量: 3

镇流器型号:

发光面长度(mm): 50

发光面宽度(mm): 50

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 317.95

灯具效能(lm/w): 72.26

中心光强(cd): 884.247

最大光强(cd): 895.451

最大光强角度: $C=210.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=28.9

[C90/270]Total=28.9

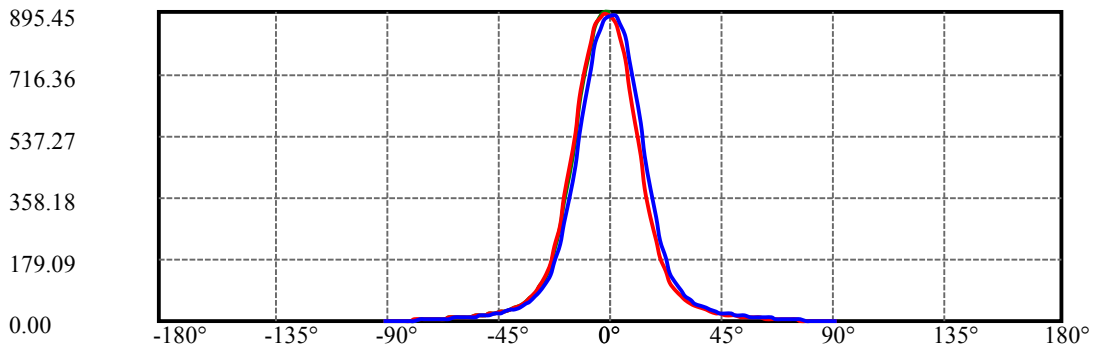
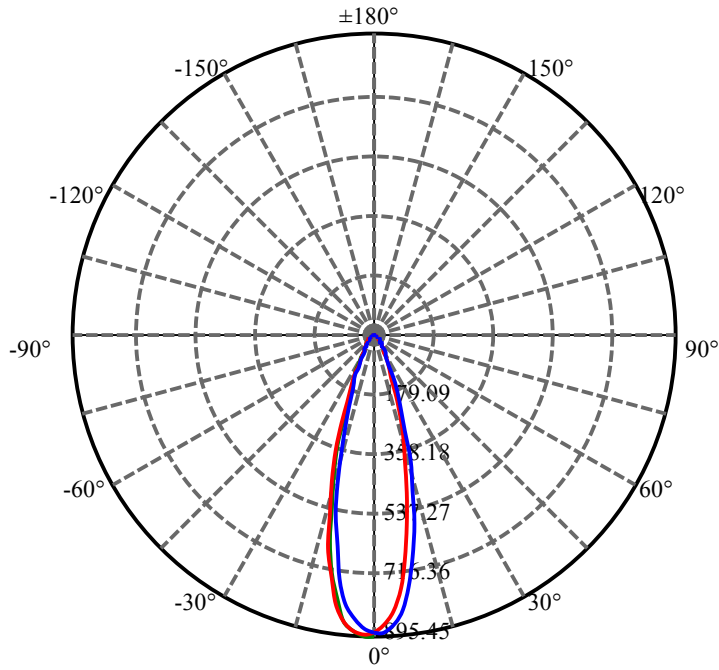
光束扩散角(10%Imax): [C0/180]Total=55.5

[C90/270]Total=55.7

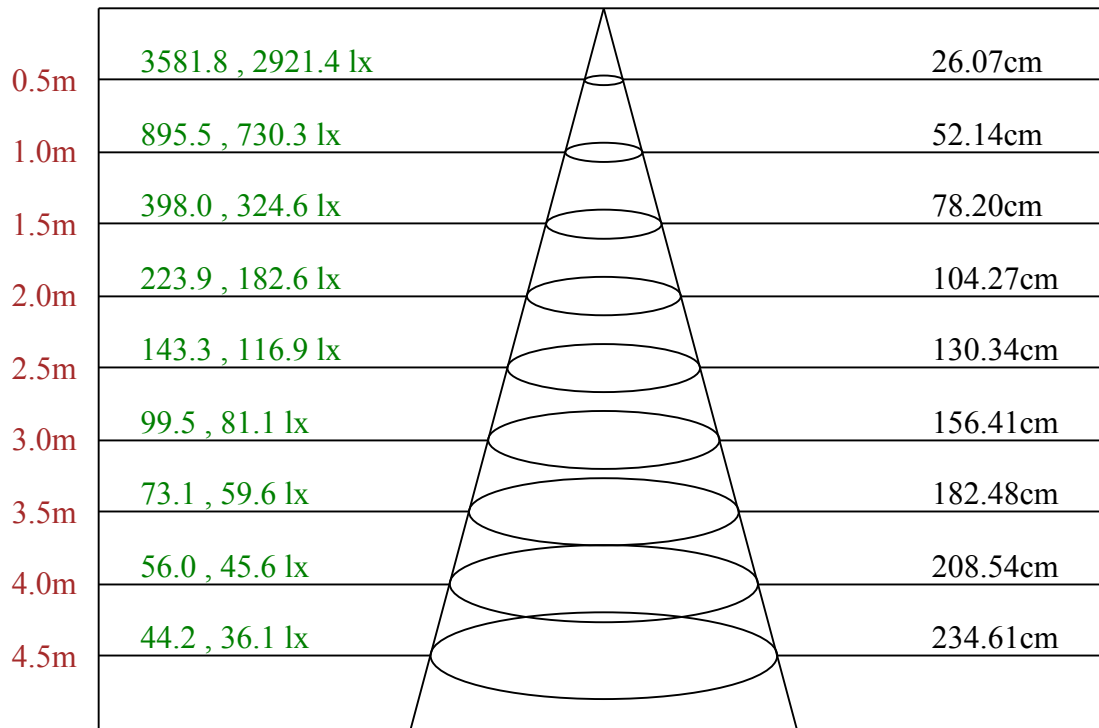
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/12
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

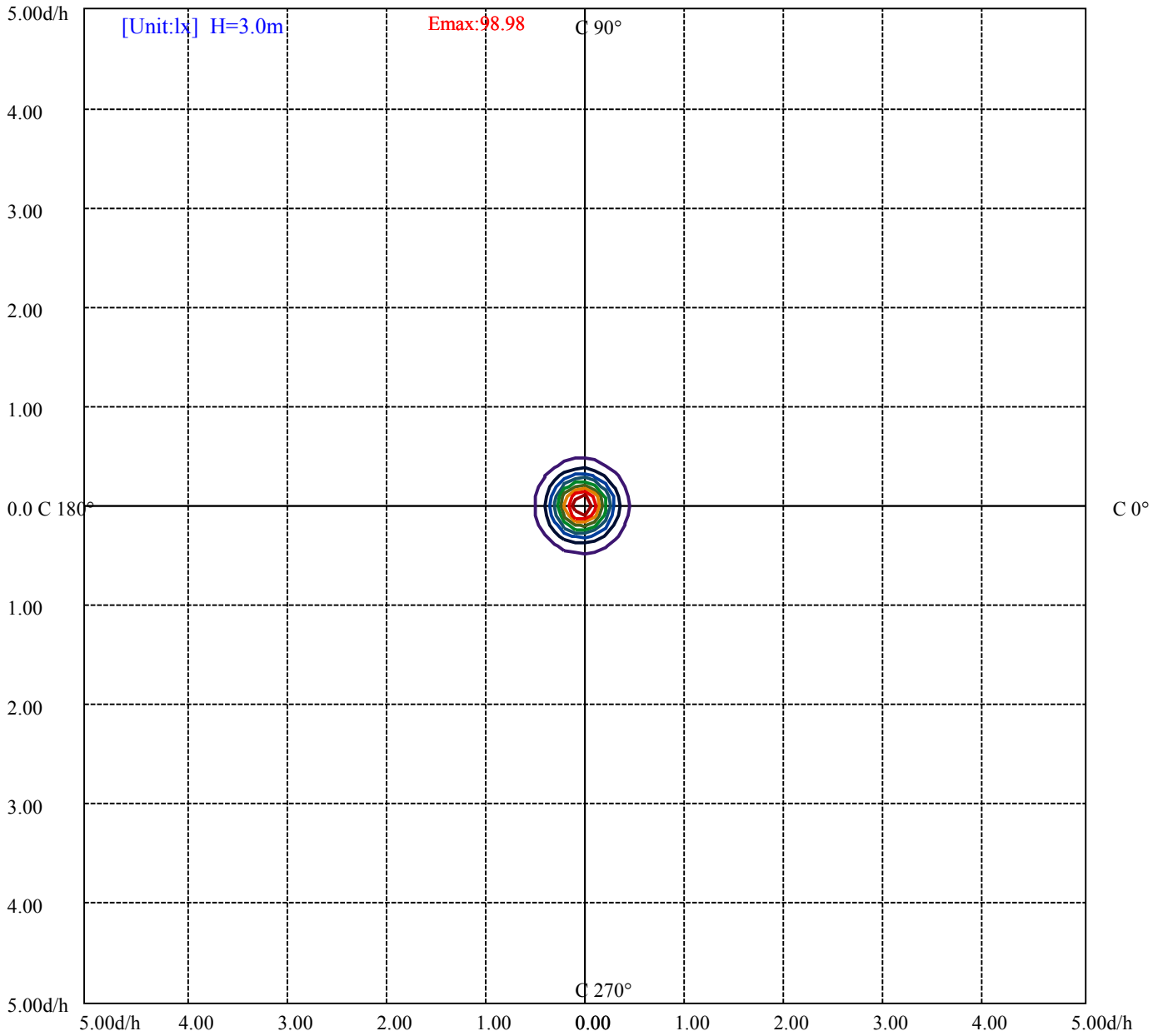


C210(Max): —
C0/C180: —
C90/C270: —



Max , Ave C210面光束角29.21

ROLED 投光灯
平面等照度曲线



- (10%Emax) 9.898278
- (20%Emax) 19.79656
- (30%Emax) 29.69489
- (40%Emax) 39.59311
- (50%Emax) 49.49144
- (60%Emax) 59.38967
- (70%Emax) 69.28799
- (80%Emax) 79.18623
- (90%Emax) 89.08456

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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

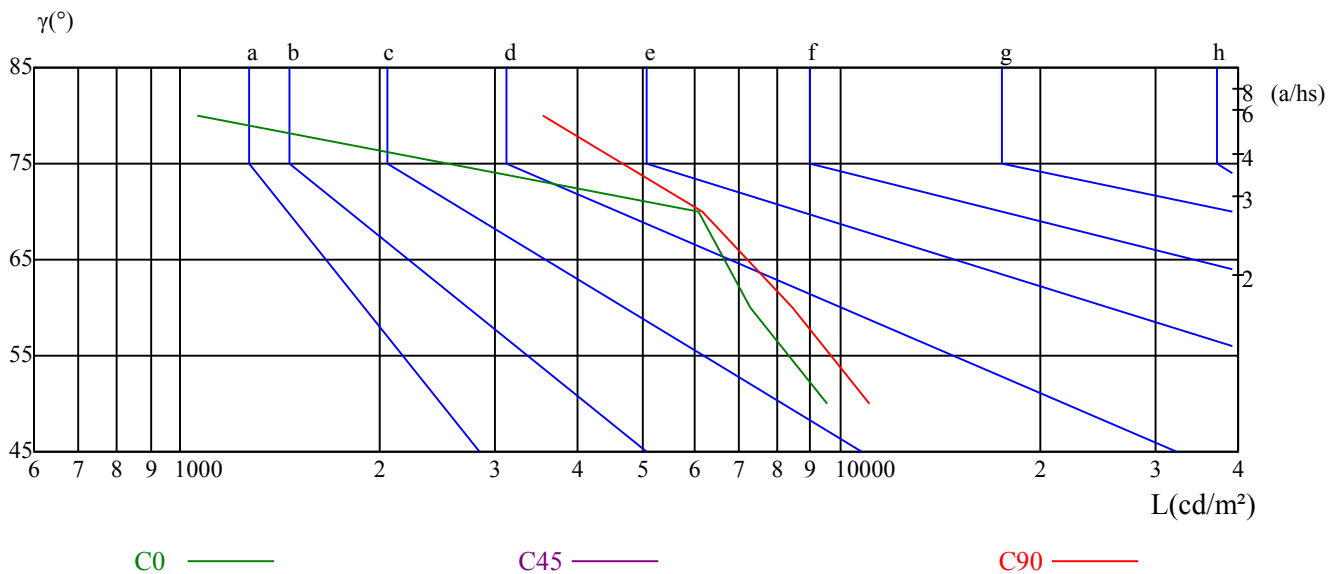
γ	45	50	55	60	65	70	75	80	85
C0	0	9551	0	7305	0	6103	0	1061	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11031	0	8472	0	6192	0	3535	0

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

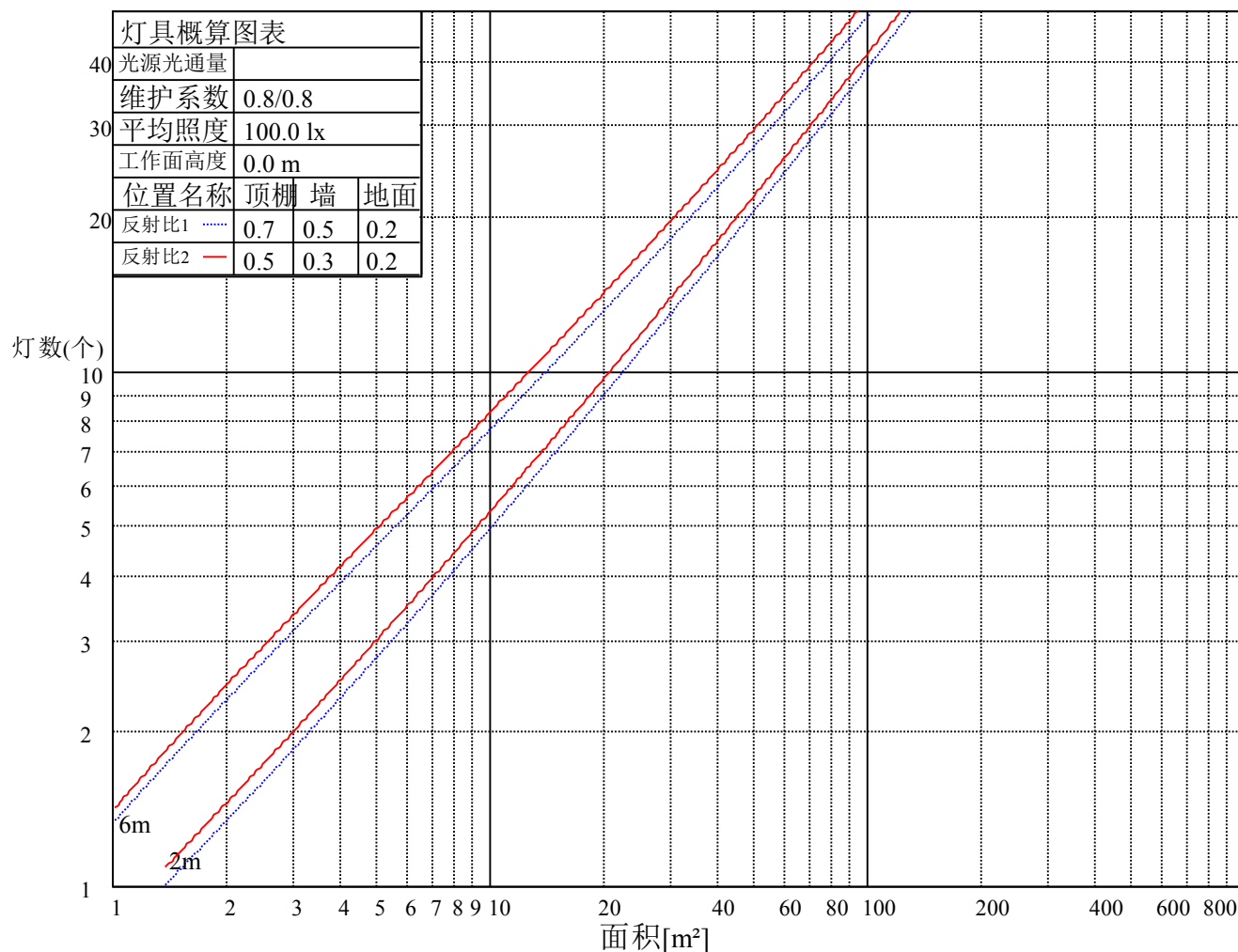
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	19.12	20.18	19.48	20.49	20.81	19.09	20.16	19.46	20.47	20.79
	3H	20.48	21.42	20.86	21.75	22.12	20.50	21.45	20.89	21.78	22.15
	4H	20.89	21.77	21.30	22.12	22.51	20.91	21.78	21.31	22.13	22.52
	6H	21.03	21.83	21.45	22.20	22.60	21.05	21.85	21.47	22.22	22.62
	8H	21.02	21.77	21.45	22.16	22.57	21.04	21.79	21.48	22.19	22.59
	12H	20.99	21.71	21.43	22.09	22.52	21.02	21.74	21.46	22.12	22.55
4H	2H	19.51	20.38	19.91	20.73	21.12	19.49	20.36	19.89	20.71	21.10
	3H	21.06	21.77	21.47	22.18	22.59	21.08	21.79	21.49	22.20	22.61
	4H	21.55	22.19	21.99	22.61	23.06	21.56	22.20	22.00	22.62	23.07
	6H	21.71	22.26	22.18	22.71	23.18	21.73	22.27	22.20	22.72	23.20
	8H	21.70	22.21	22.18	22.66	23.14	21.73	22.23	22.20	22.68	23.16
	12H	21.68	22.12	22.17	22.60	23.08	21.71	22.14	22.20	22.63	23.11
8H	4H	21.65	22.15	22.12	22.60	23.08	21.66	22.17	22.13	22.62	23.09
	6H	21.85	22.25	22.36	22.76	23.24	21.87	22.27	22.37	22.77	23.26
	8H	21.86	22.22	22.39	22.74	23.24	21.88	22.24	22.41	22.76	23.26
	12H	22.47	22.78	22.99	23.28	23.86	22.50	22.81	23.02	23.31	23.89
12H	4H	21.61	22.05	22.10	22.53	23.01	21.62	22.06	22.11	22.55	23.02
	6H	22.15	22.18	22.35	22.65	23.20	22.16	22.19	22.37	22.66	23.21
	8H	21.85	22.16	22.37	22.66	23.24	21.87	22.18	22.39	22.68	23.26
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-0.8					0.6/-0.8					
S = 1.5H	1.5/-1.3					1.4/-1.4					
S = 2.0H	3.5/-1.7					3.2/-1.8					
标准表格	BK2					BK2					
更正系数	-0.4					-0.9					

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	1.06	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	0.93	0.89	0.96	0.92	0.88	0.93	0.90	0.87	0.91	0.88	0.85	0.89	0.86	0.84	0.83
4	0.92	0.87	0.83	0.91	0.86	0.82	0.89	0.85	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.78
5	0.87	0.82	0.78	0.86	0.81	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.74
6	0.83	0.77	0.73	0.82	0.77	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.70
7	0.79	0.74	0.70	0.78	0.73	0.70	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.67
8	0.76	0.70	0.67	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.64
9	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.62
10	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.59

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	884.25	861.84	822.01	755.25	674.52	571.00	475.70	384.84	302.12
30.0	893.07	874.50	838.05	778.58	695.63	597.33	498.10	407.02	320.15
60.0	888.62	874.42	840.20	785.72	709.52	613.90	514.53	421.67	333.96
90.0	886.40	882.48	860.46	821.78	757.17	669.15	570.77	477.00	383.15
120.0	885.55	886.01	871.20	836.13	779.42	696.78	605.69	503.32	406.71
150.0	883.25	890.39	881.48	855.16	811.42	738.91	646.97	545.60	450.45
180.0	884.25	890.85	881.25	855.39	808.12	734.30	647.44	544.76	449.68
210.0	893.07	895.45	881.72	852.32	796.84	720.80	626.33	530.41	430.80
240.0	888.62	886.86	869.21	834.91	778.50	696.55	599.55	507.62	412.46
270.0	886.40	875.27	846.34	801.52	730.70	639.38	542.07	451.52	361.13
300.0	885.55	869.59	835.06	778.58	704.99	611.21	512.22	420.45	338.87
330.0	883.25	859.38	815.26	751.64	665.62	566.78	469.33	381.77	299.05
360.0	884.25	861.84	822.01	755.25	674.52	571.00	475.70	384.84	302.12
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	236.28	182.48	142.35	109.50	88.86	71.60	59.24	49.57	41.98
30.0	251.85	193.30	148.26	115.80	93.16	75.20	61.62	51.64	43.59
60.0	260.75	199.98	155.70	121.32	95.92	78.12	63.92	53.03	44.74
90.0	301.81	236.35	180.95	139.59	109.43	88.25	71.75	59.63	49.88
120.0	322.60	253.23	194.22	149.79	117.72	93.39	76.28	61.70	51.80
150.0	359.67	283.85	217.24	165.98	127.77	101.29	81.11	65.92	54.64
180.0	360.13	280.86	215.79	168.13	129.69	101.68	82.34	66.76	55.17
210.0	343.25	271.50	205.20	160.30	124.55	99.07	80.04	65.46	54.56
240.0	327.36	259.68	199.75	153.48	120.09	96.23	77.50	63.46	53.10
270.0	285.39	224.38	172.05	134.21	106.05	85.64	69.60	57.32	48.34
300.0	264.21	204.97	159.84	123.93	98.61	78.96	64.92	53.87	45.66
330.0	234.97	180.79	138.90	110.43	87.56	71.29	58.70	49.50	41.75
360.0	236.28	182.48	142.35	109.50	88.86	71.60	59.24	49.57	41.98
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	36.22	31.46	27.47	24.02	21.33	19.03	17.11	15.35	13.74
30.0	37.68	32.38	28.39	24.94	22.02	19.57	17.50	15.73	14.04
60.0	38.60	33.38	29.39	25.71	22.64	20.11	18.11	16.19	14.58
90.0	42.36	36.53	31.92	27.93	24.63	21.95	19.49	17.73	15.88
120.0	43.82	37.37	32.61	28.47	25.09	22.10	19.64	17.50	15.73
150.0	45.97	39.44	33.92	29.47	25.78	22.79	20.11	17.88	16.11
180.0	46.35	39.67	34.22	29.85	26.32	23.17	20.72	18.49	16.81
210.0	46.20	39.60	34.30	30.08	26.40	23.25	20.87	18.80	16.96
240.0	44.74	38.60	33.07	29.01	25.40	22.48	19.95	17.80	15.96
270.0	41.28	35.68	30.85	26.93	23.64	21.10	18.80	16.88	15.12
300.0	38.83	33.53	29.16	25.55	22.64	20.11	18.03	16.27	14.50
330.0	35.91	31.23	27.24	23.94	21.26	18.88	17.04	15.35	13.81
360.0	36.22	31.46	27.47	24.02	21.33	19.03	17.11	15.35	13.74
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	12.35	11.13	10.13	9.13	8.29	7.52	6.75	5.99	5.22
30.0	12.66	11.28	10.36	9.29	8.36	7.67	6.83	5.99	5.29
60.0	13.20	11.89	10.59	9.52	8.52	7.60	6.68	5.83	4.91
90.0	14.35	12.97	11.66	10.59	9.44	8.36	7.29	6.45	5.29
120.0	14.12	12.74	11.43	10.36	9.44	8.52	7.67	6.98	6.22
150.0	14.27	12.89	11.66	10.51	9.52	8.59	7.83	7.14	6.45
180.0	15.27	13.81	12.43	11.28	10.28	9.13	8.29	7.21	6.45
210.0	15.35	13.81	12.51	11.43	10.28	9.13	8.13	7.14	6.22
240.0	14.35	12.97	11.59	10.51	9.59	8.59	7.83	7.14	6.22
270.0	13.58	12.35	11.05	10.05	9.06	8.21	7.44	6.83	6.06
300.0	13.12	11.97	10.67	9.59	8.67	7.75	6.83	5.99	4.99
330.0	12.51	11.28	9.98	9.06	8.06	7.14	6.37	5.45	4.45
360.0	12.35	11.13	10.13	9.13	8.29	7.52	6.75	5.99	5.22

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	4.30	3.15	2.30	1.15	0.46	0.23	0.15	0.00	0.00
30.0	4.45	3.30	2.53	1.30	0.54	0.23	0.15	0.00	0.00
60.0	3.91	3.07	2.38	1.61	0.92	0.38	0.15	0.00	0.00
90.0	4.45	3.68	2.84	2.07	1.53	0.77	0.31	0.23	0.08
120.0	5.29	4.45	3.30	2.38	1.53	0.61	0.31	0.23	0.08
150.0	5.53	4.83	3.99	3.07	2.00	0.92	0.31	0.23	0.08
180.0	5.45	4.53	3.76	2.84	2.23	1.46	0.61	0.31	0.23
210.0	5.29	4.37	3.45	2.61	1.92	1.23	0.54	0.31	0.15
240.0	5.45	4.60	3.61	2.69	1.69	0.69	0.23	0.15	0.08
270.0	5.29	4.30	3.15	2.23	1.00	0.38	0.23	0.15	0.00
300.0	3.99	3.30	2.53	1.76	1.07	0.46	0.23	0.08	0.00
330.0	3.53	2.76	2.07	1.61	0.77	0.31	0.23	0.00	0.00
360.0	4.30	3.15	2.30	1.15	0.46	0.23	0.15	0.00	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	0.08
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.00
360.0	0.00