

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

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## ROLED

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灯具名称: 投光灯

灯具描述: F3463A-48-24DC(20-OL-48WN-AA,L1000mm,C,CT)

报告编号:

电压(V): 23.9000

测试编号: 20210403004

电流(A): 2.0530

光源规格型号: OL

功率(W): 49.2000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 48

镇流器型号:

发光面长度(mm): 987

发光面宽度(mm): 72

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): 5182.06

灯具效能(lm/w): 105.33

中心光强(cd): 21770.460

最大光强(cd): 22867.800

最大光强角度:  $C=30.0 \gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=21.6

[C90/270]Total=20.8

光束扩散角(10%Imax): [C0/180]Total=44.4

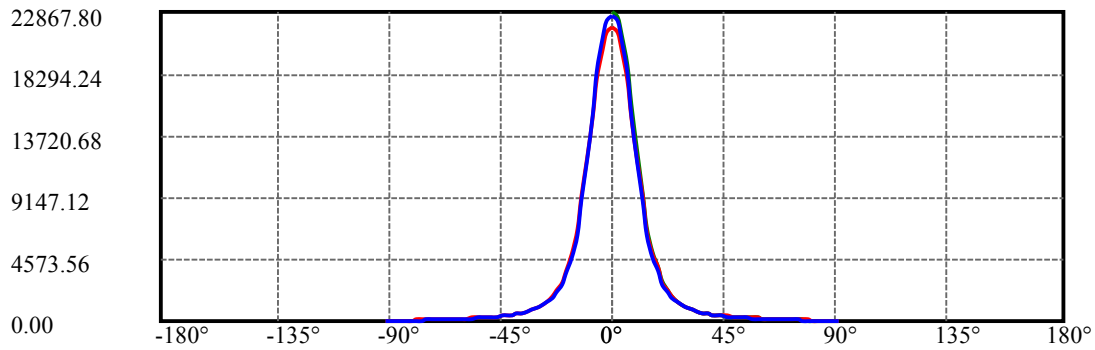
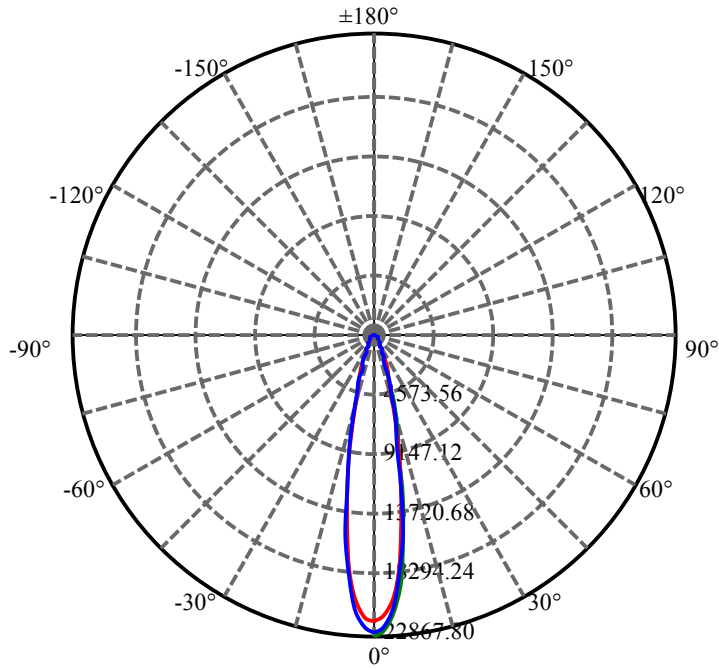
[C90/270]Total=43.2

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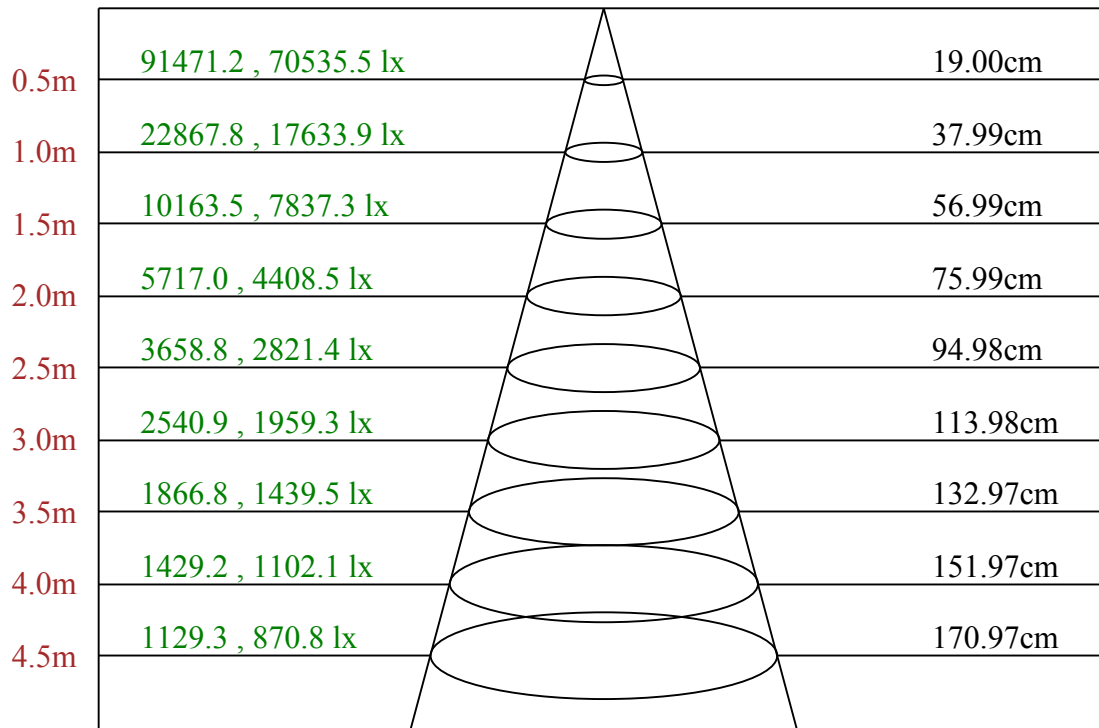
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/3  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

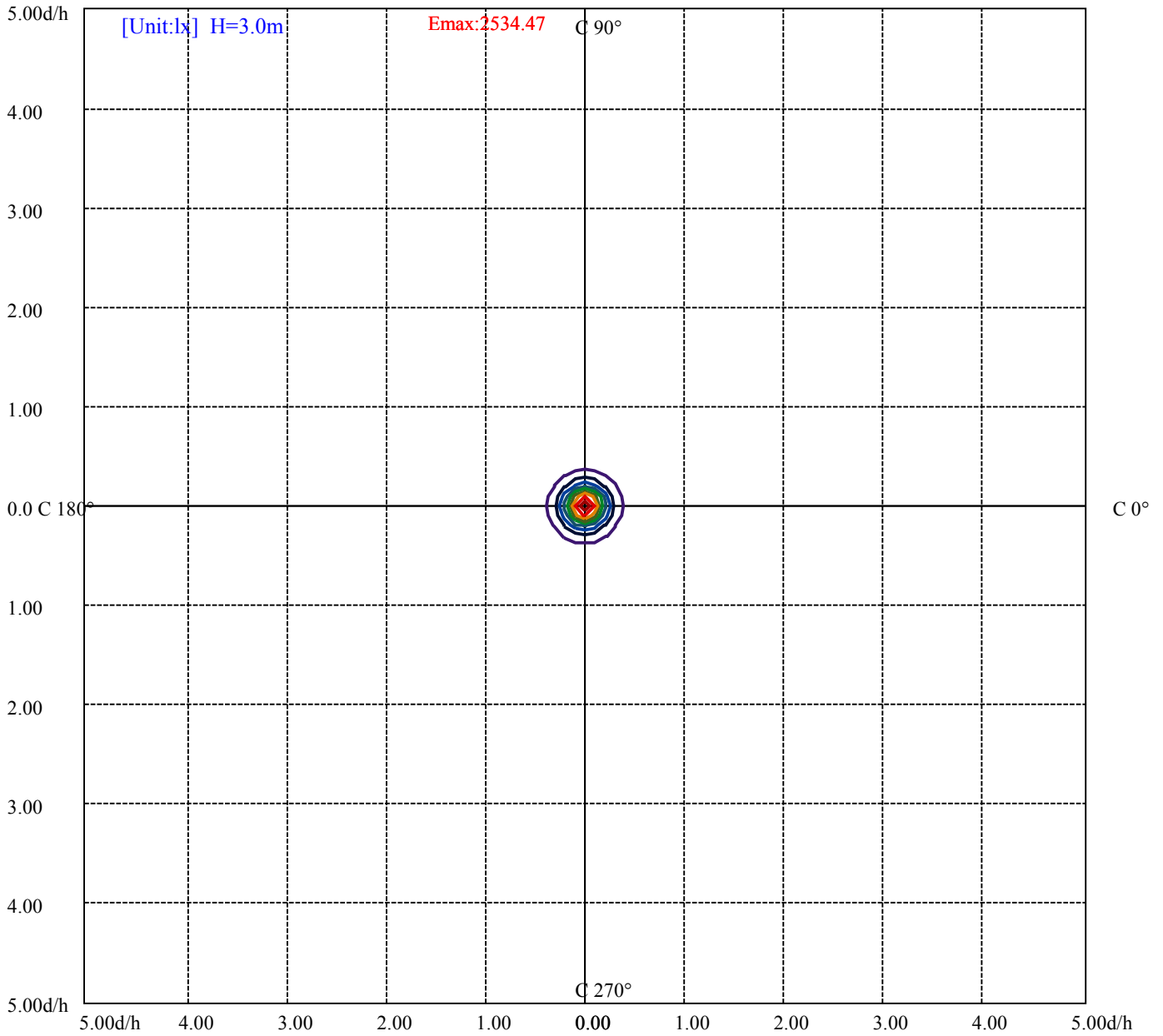


C30(Max): ———  
C0/C180: ———  
C90/C270: ———



Max , Ave    C30面光束角21.51

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 253.4467
- (20%Emax) 506.8933
- (30%Emax) 760.34
- (40%Emax) 1013.787
- (50%Emax) 1267.233
- (60%Emax) 1520.678
- (70%Emax) 1774.122
- (80%Emax) 2027.578
- (90%Emax) 2281.022

测试设备: GMS1800  
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测试日期: 2021/4/3  
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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

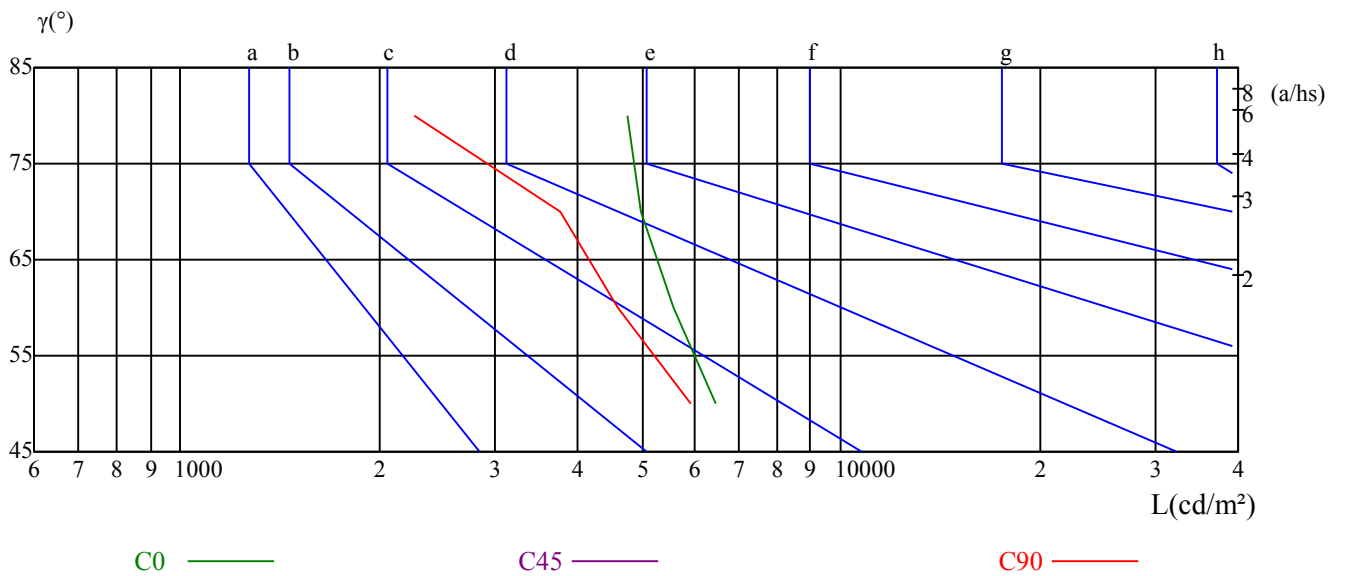
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6476	0	5591	0	4976	0	4763	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5925	0	4587	0	3760	0	2257	0

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

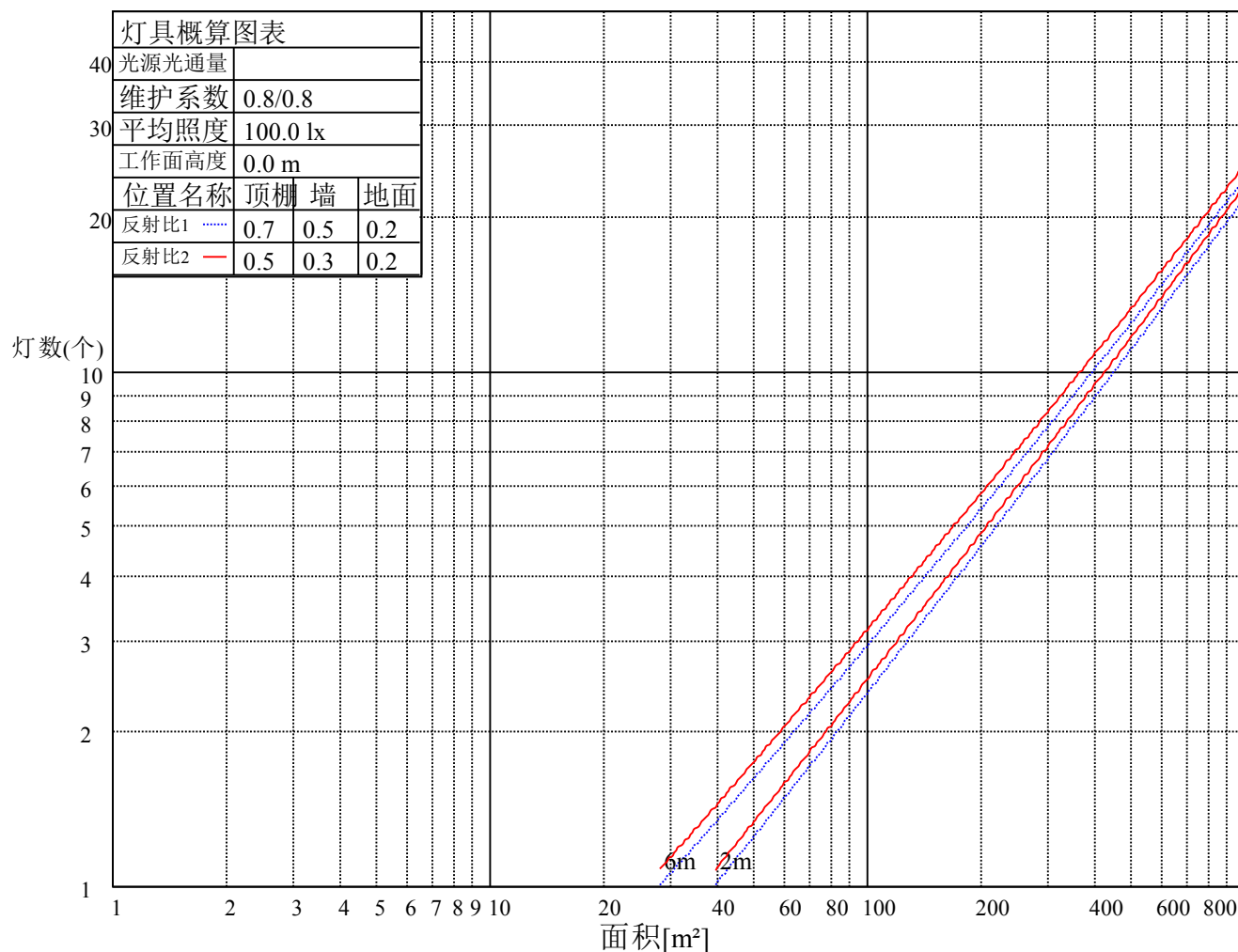
亮度限制曲线



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	7.87	8.96	8.23	9.27	9.58	8.60	9.69	8.96	10.00	10.32
	3H	9.19	10.16	9.57	10.49	10.86	10.33	11.30	10.71	11.63	12.00
	4H	9.69	10.59	10.10	10.94	11.33	10.98	11.87	11.38	12.22	12.61
	6H	9.93	10.76	10.35	11.13	11.53	11.47	12.29	11.89	12.67	13.06
	8H	9.97	10.74	10.40	11.14	11.54	11.64	12.41	12.07	12.80	13.21
	12H	10.02	10.76	10.45	11.14	11.57	11.84	12.58	12.28	12.97	13.40
4H	2H	8.45	9.35	8.86	9.70	10.09	9.04	9.93	9.44	10.28	10.67
	3H	9.96	10.70	10.38	11.10	11.51	11.03	11.77	11.45	12.18	12.58
	4H	10.55	11.20	10.98	11.63	12.07	11.80	12.45	12.23	12.88	13.32
	6H	10.81	11.38	11.28	11.83	12.30	12.29	12.86	12.76	13.31	13.78
	8H	10.87	11.40	11.34	11.85	12.32	12.50	13.02	12.97	13.47	13.95
	12H	10.92	11.38	11.41	11.87	12.34	12.71	13.17	13.20	13.65	14.13
8H	4H	10.82	11.35	11.30	11.80	12.27	11.93	12.45	12.40	12.90	13.38
	6H	11.18	11.60	11.69	12.11	12.59	12.53	12.95	13.03	13.45	13.93
	8H	11.29	11.66	11.82	12.18	12.68	12.79	13.17	13.32	13.69	14.18
	12H	11.90	12.22	12.42	12.72	13.30	13.52	13.85	14.04	14.34	14.92
12H	4H	10.83	11.28	11.32	11.77	12.25	11.90	12.36	12.39	12.84	13.32
	6H	11.58	11.59	11.75	12.06	12.61	12.88	12.89	13.05	13.36	13.91
	8H	11.36	11.68	11.88	12.18	12.76	12.82	13.14	13.34	13.64	14.22
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.3/-0.5					
S = 1.5H	0.9/-1.0					0.9/-0.8					
S = 2.0H	2.3/-1.3					1.6/-0.9					
标准表格	BK3					BK3					
更正系数	-1.2					-0.2					

# 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	1.08	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	0.97	1.02	0.99	0.96	0.99	0.96	0.93	0.96	0.94	0.91	0.93	0.91	0.90	0.88
3	0.98	0.93	0.89	0.96	0.92	0.89	0.94	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.83
4	0.92	0.87	0.84	0.91	0.87	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.80	0.79
5	0.88	0.83	0.79	0.87	0.82	0.79	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.75
6	0.84	0.79	0.75	0.83	0.78	0.75	0.82	0.77	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.72
7	0.81	0.75	0.72	0.80	0.75	0.72	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.69
8	0.77	0.72	0.69	0.77	0.72	0.69	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.67
9	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.64
10	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.70	0.66	0.63	0.62



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	21770.46	21348.40	20005.49	17803.12	15124.98	11978.74	9170.14	6645.48	4903.53
30.0	22867.80	22484.12	21141.21	18854.43	16015.14	12607.99	9423.38	6983.12	5064.68
60.0	22752.70	22200.19	20627.07	18294.24	15105.03	11700.18	8704.35	6387.64	4631.11
90.0	22576.20	22138.80	20772.87	18378.66	15232.41	11740.85	8755.76	6330.85	4680.99
120.0	21824.17	21287.01	19767.61	17480.83	14386.00	11116.21	8374.37	6058.43	4478.41
150.0	21847.19	21448.16	20205.01	17994.97	15086.61	11994.09	8970.63	6676.17	4872.84
180.0	21770.46	21363.75	20043.86	17895.21	15155.68	12006.36	9230.00	6764.42	4922.72
210.0	22867.80	22361.34	20880.30	18616.54	15138.03	12112.26	9084.20	6722.21	4890.49
240.0	22752.70	22453.42	21179.58	18923.49	15923.05	12669.38	9546.16	7105.90	5133.75
270.0	22576.20	22146.47	20818.91	18501.44	15302.24	11985.65	8900.03	6425.24	4747.76
300.0	21824.17	21509.55	20373.83	18232.85	15516.34	12231.97	9170.14	6714.54	4857.49
330.0	21847.19	21363.75	19982.47	17833.82	14831.84	11720.13	8780.32	6392.24	4682.53
360.0	21770.46	21348.40	20005.49	17803.12	15124.98	11978.74	9170.14	6645.48	4903.53
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3913.62	2847.73	2223.09	1797.96	1466.46	1204.78	1009.87	853.32	733.61
30.0	3928.97	2926.77	2282.18	1810.24	1476.43	1207.08	998.36	841.04	711.36
60.0	3471.61	2694.26	2107.98	1683.62	1370.92	1136.33	945.33	800.60	680.43
90.0	3684.94	2710.37	2122.56	1708.18	1384.35	1136.48	950.01	796.54	682.96
120.0	3325.04	2592.96	2036.62	1593.07	1346.13	1107.02	932.67	784.80	668.08
150.0	3913.62	2821.64	2247.64	1800.26	1466.46	1223.96	1022.14	870.97	740.52
180.0	3673.43	2803.99	2222.32	1780.31	1468.14	1196.65	981.09	816.72	699.23
210.0	3656.55	2819.34	2189.32	1758.06	1422.56	1158.35	959.60	807.89	683.19
240.0	3905.94	2897.61	2266.06	1788.75	1439.60	1181.76	976.10	824.16	689.87
270.0	3572.14	2734.16	2157.86	1718.15	1393.40	1140.17	954.39	797.07	682.35
300.0	3882.92	2830.08	2234.60	1778.78	1443.43	1184.83	1001.43	854.86	736.68
330.0	3588.25	2769.46	2180.88	1770.34	1449.88	1208.00	1012.55	855.24	732.38
360.0	3913.62	2847.73	2223.09	1797.96	1466.46	1204.78	1009.87	853.32	733.61
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	636.92	562.49	494.96	439.71	393.66	356.68	323.60	295.82	273.49
30.0	610.06	527.95	465.03	411.31	371.33	335.19	306.03	282.78	261.98
60.0	587.35	511.92	452.91	402.26	360.51	327.36	298.05	274.26	251.39
90.0	586.28	511.84	449.68	398.27	359.67	324.14	295.90	270.65	247.48
120.0	577.68	507.47	446.61	399.27	357.98	323.60	294.98	271.57	250.01
150.0	646.90	566.32	505.70	451.22	405.17	371.87	340.02	312.86	288.92
180.0	603.54	526.27	466.03	414.31	371.56	336.42	308.56	283.47	262.37
210.0	588.04	513.45	450.68	400.72	358.75	326.67	299.43	277.18	257.15
240.0	598.55	521.05	459.66	408.24	366.88	332.66	303.27	277.87	255.31
270.0	588.96	512.30	450.99	403.72	360.21	325.21	297.36	271.96	249.40
300.0	642.29	560.18	500.33	455.05	412.85	382.84	344.09	307.79	272.65
330.0	641.07	560.80	495.88	445.15	399.34	361.36	330.13	303.34	279.48
360.0	636.92	562.49	494.96	439.71	393.66	356.68	323.60	295.82	273.49
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	254.39	237.35	219.24	198.67	182.18	167.29	153.40	140.12	120.94
30.0	243.87	227.76	213.87	199.52	185.17	171.66	157.54	143.42	129.69
60.0	233.51	216.02	198.83	180.10	160.84	142.73	126.46	112.11	97.15
90.0	224.92	203.58	182.48	162.99	147.03	132.76	119.56	104.52	91.39
120.0	231.21	214.79	196.91	178.72	160.00	142.35	126.31	111.50	97.15
150.0	268.43	249.01	232.98	217.09	201.59	177.34	160.77	147.49	133.37
180.0	242.72	225.53	210.57	195.68	181.10	167.06	154.63	141.89	128.84
210.0	240.19	225.07	209.95	196.60	182.10	168.90	155.16	140.66	127.08
240.0	237.58	220.54	204.05	186.47	168.29	148.72	131.91	117.18	102.29
270.0	227.91	206.81	186.40	166.75	149.79	135.29	121.94	107.28	93.31
300.0	250.78	232.98	214.79	196.68	178.65	158.69	141.73	126.31	110.81
330.0	259.53	242.95	227.14	212.95	196.91	178.88	159.77	145.80	131.60
360.0	254.39	237.35	219.24	198.67	182.18	167.29	153.40	140.12	120.94

# 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	107.89	95.62	83.26	71.75	58.78	45.89	32.54	17.73	5.45
30.0	114.57	97.53	76.35	60.93	45.89	34.76	21.64	7.14	3.53
60.0	82.34	69.29	60.32	49.65	31.62	17.19	12.58	7.67	4.45
90.0	80.19	72.90	61.08	45.89	27.86	19.34	13.35	9.29	5.22
120.0	81.96	69.06	59.93	49.57	32.54	17.88	12.82	7.60	4.68
150.0	119.56	102.67	77.27	59.63	45.20	33.76	21.87	7.44	3.53
180.0	109.73	95.54	83.72	71.60	59.39	46.66	33.92	20.41	7.37
210.0	112.04	94.85	74.59	59.55	43.89	33.46	21.03	7.06	3.53
240.0	88.25	73.90	63.92	53.49	40.06	19.57	14.12	8.13	5.91
270.0	82.19	73.82	61.70	47.42	28.16	19.72	13.89	9.59	5.68
300.0	88.79	73.36	63.77	53.33	39.90	21.10	15.04	8.52	5.99
330.0	116.87	100.14	74.36	58.09	43.74	32.69	20.03	7.14	3.68
360.0	107.89	95.62	83.26	71.75	58.78	45.89	32.54	17.73	5.45

C/γ(°)	90.0
0.0	0.38
30.0	0.46
60.0	0.31
90.0	0.23
120.0	0.31
150.0	0.84
180.0	0.46
210.0	0.38
240.0	0.69
270.0	0.31
300.0	0.38
330.0	0.31
360.0	0.38