

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: F3623A-24-24DC(2515-OL-24WN-AA,L1000mm, C,CT)

报告编号:

电压(V): 24.0000

测试编号: 20210426002

电流(A): 1.0460

光源规格型号: OL

功率(W): 25.1000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 24

镇流器型号:

发光面长度(mm): 990

发光面宽度(mm): 35

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): 2522.05

灯具效能(lm/w): 100.48

中心光强(cd): 13870.320

最大光强(cd): 13998.470

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=25.1

[C90/270]Total=12.1

光束扩散角(10%Imax): [C0/180]Total=43.5

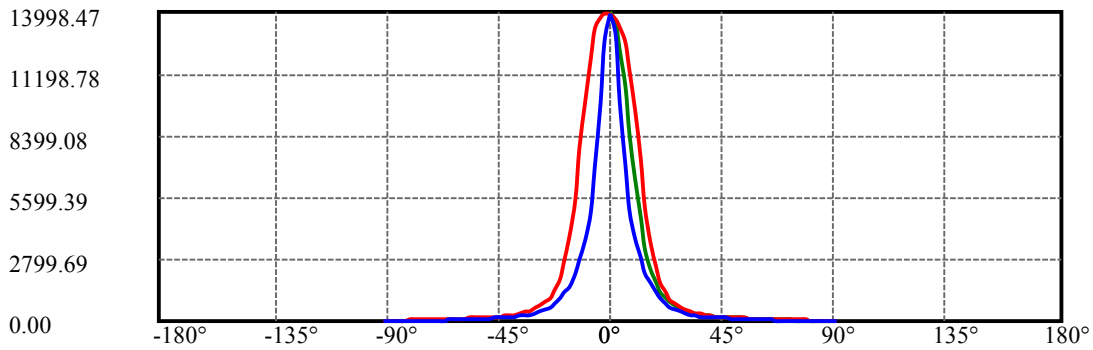
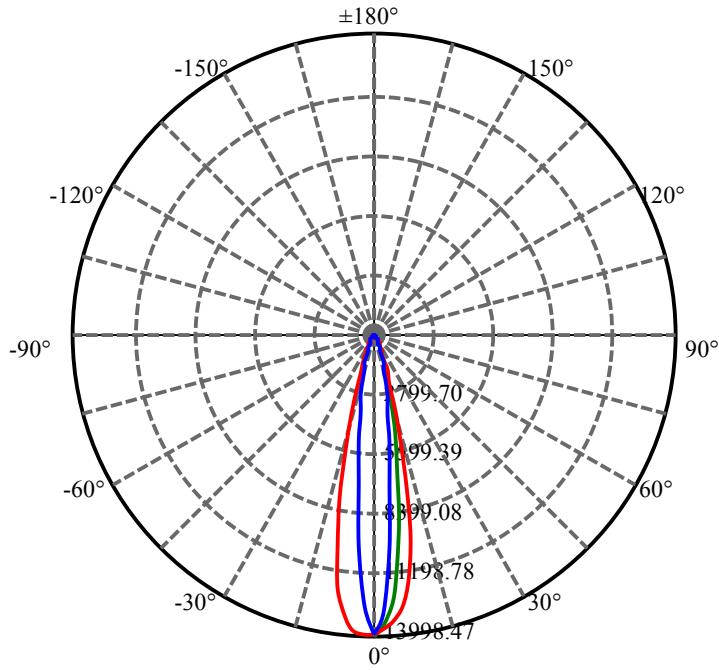
[C90/270]Total=35.1

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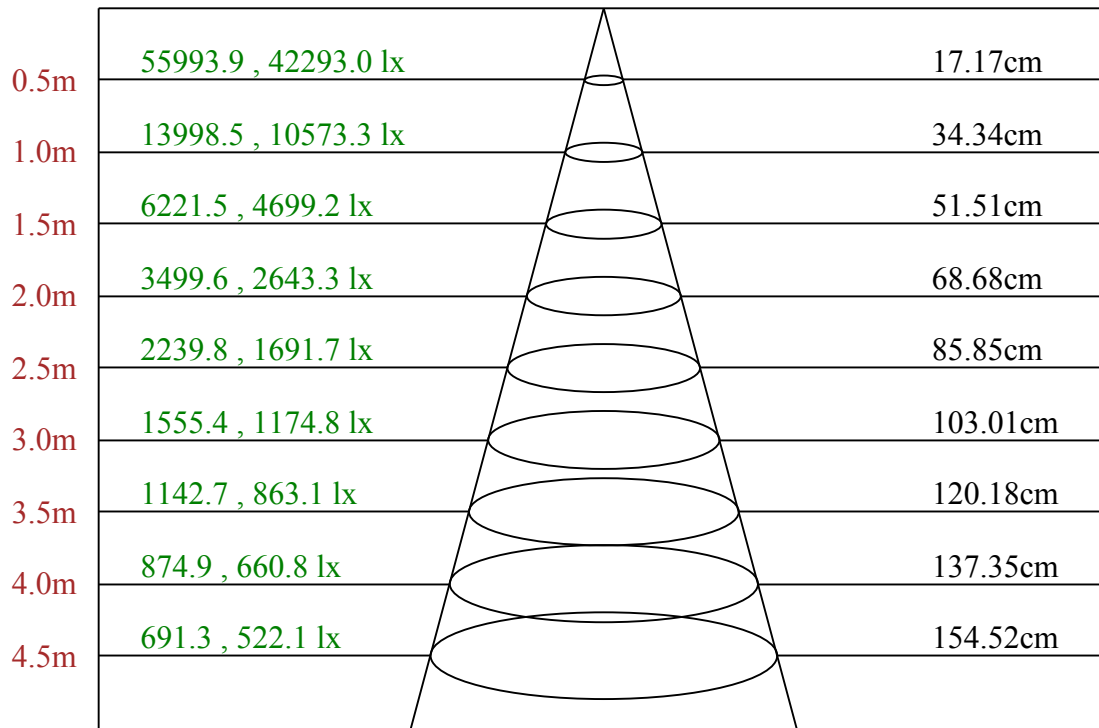
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/26  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

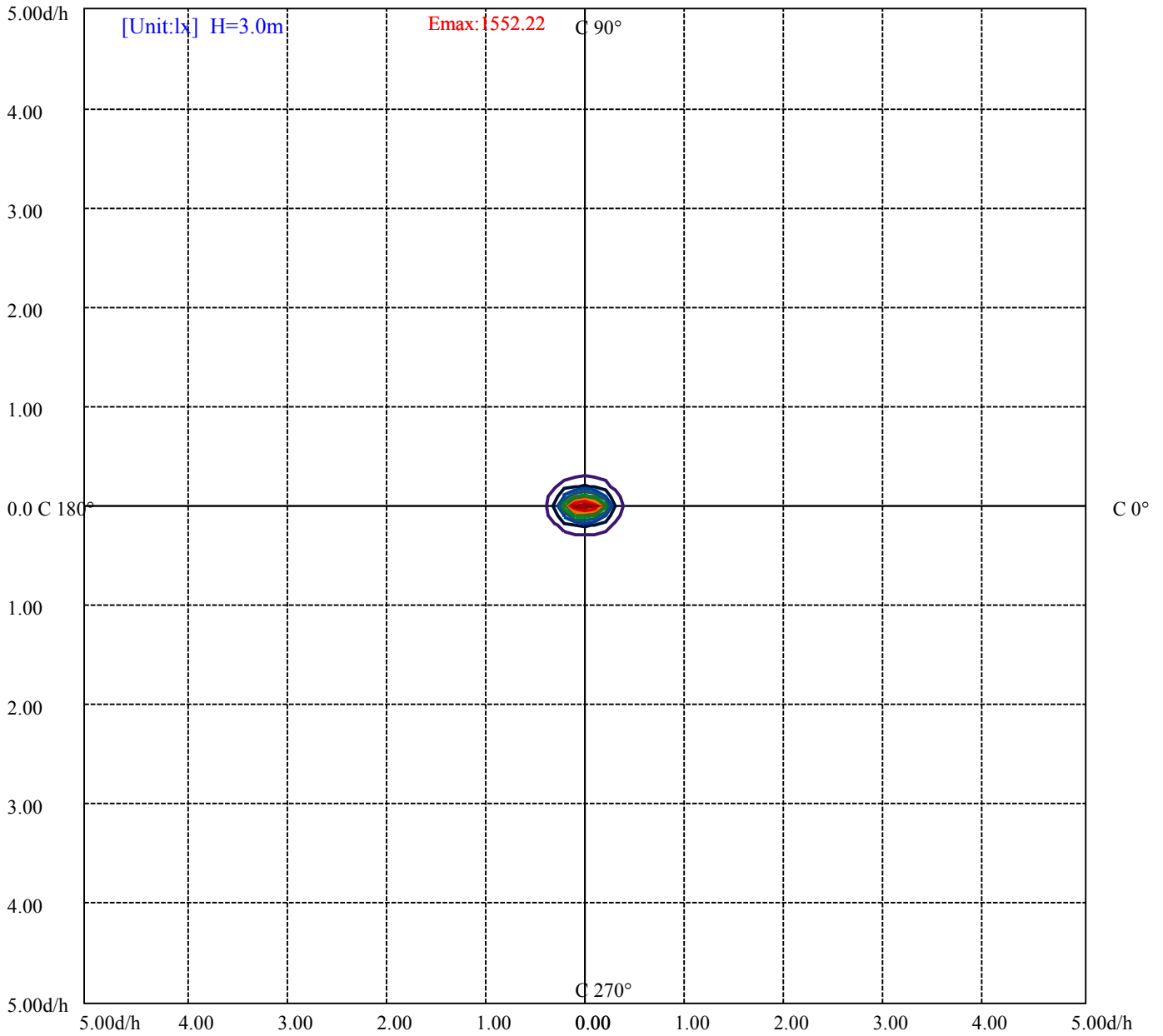


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角19.48

ROLED 投光灯  
平面等照度曲线



(10%Emax) 155.2222	——
(20%Emax) 310.4445	——
(30%Emax) 465.6667	——
(40%Emax) 620.8889	——
(50%Emax) 776.1122	——
(60%Emax) 931.3344	——
(70%Emax) 1086.557	——
(80%Emax) 1241.778	——
(90%Emax) 1397	——

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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

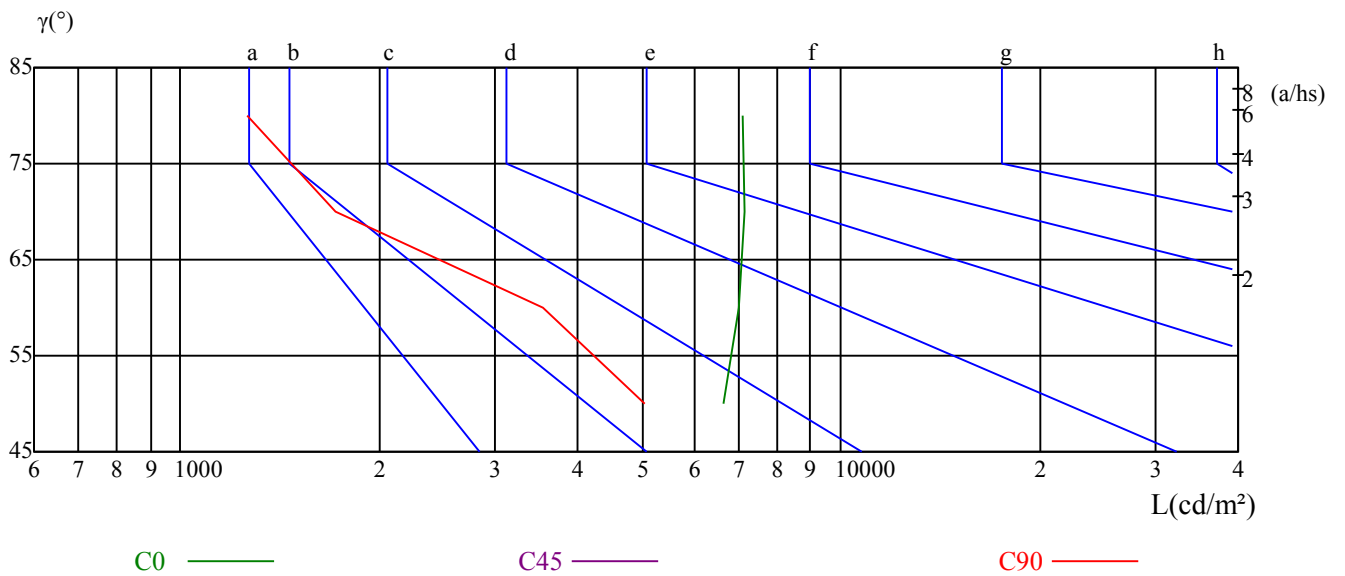
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6646	0	7025	0	7155	0	7091	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5034	0	3543	0	1716	0	1263	0

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

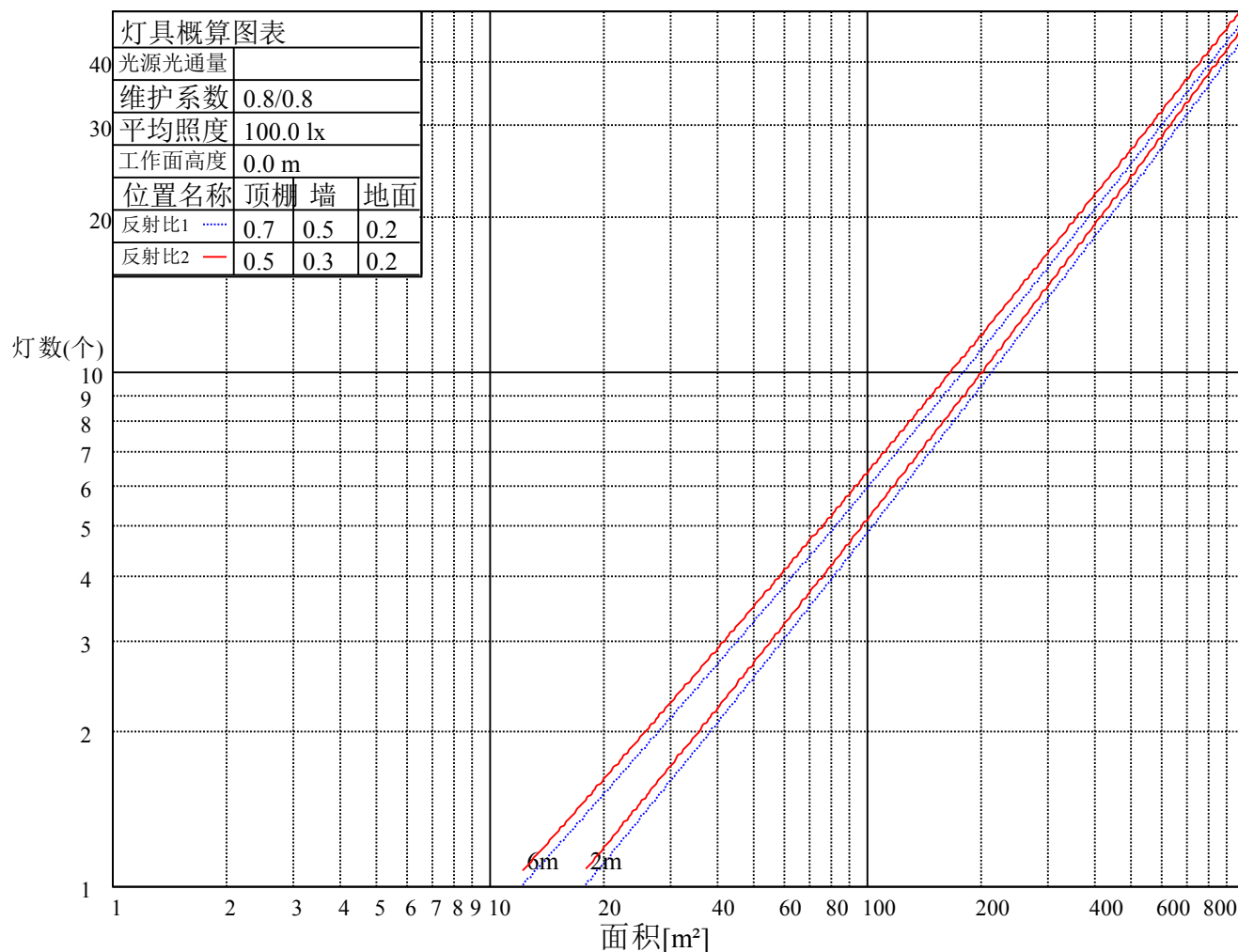
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	9.45	10.52	9.81	10.83	11.15	12.06	13.13	12.43	13.45	13.76
	3H	9.98	10.93	10.36	11.26	11.63	14.18	15.13	14.57	15.47	15.83
	4H	10.11	10.99	10.52	11.35	11.73	14.94	15.83	15.35	16.18	16.57
	6H	10.17	10.98	10.59	11.36	11.75	15.53	16.34	15.95	16.72	17.11
	8H	10.19	10.95	10.62	11.34	11.75	15.76	16.52	16.20	16.91	17.32
	12H	10.26	10.98	10.69	11.37	11.80	16.08	16.81	16.51	17.19	17.62
4H	2H	10.22	11.10	10.63	11.45	11.84	12.31	13.19	12.72	13.55	13.94
	3H	10.80	11.53	11.22	11.93	12.34	14.61	15.33	15.02	15.74	16.15
	4H	10.94	11.59	11.38	12.01	12.46	15.39	16.04	15.83	16.46	16.91
	6H	11.01	11.57	11.48	12.02	12.49	15.96	16.52	16.43	16.97	17.44
	8H	11.04	11.55	11.51	12.00	12.48	16.23	16.75	16.71	17.20	17.67
	12H	11.12	11.56	11.61	12.05	12.53	16.58	17.03	17.07	17.52	17.99
8H	4H	11.21	11.73	11.69	12.18	12.65	15.31	15.82	15.78	16.27	16.75
	6H	11.31	11.73	11.82	12.23	12.71	15.89	16.30	16.39	16.80	17.28
	8H	11.37	11.74	11.90	12.26	12.76	16.19	16.55	16.72	17.07	17.57
	12H	12.05	12.37	12.57	12.87	13.45	17.12	17.44	17.64	17.94	18.51
12H	4H	11.20	11.65	11.69	12.14	12.61	15.25	15.70	15.74	16.19	16.66
	6H	11.66	11.68	11.84	12.15	12.70	16.18	16.20	16.37	16.67	17.22
	8H	11.40	11.72	11.92	12.22	12.79	16.15	16.47	16.67	16.96	17.54
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.7					0.3/-0.6					
S = 1.5H	0.8/-1.7					0.9/-0.6					
S = 2.0H	2.8/-2.9					1.3/-0.6					
标准表格	BK3					BK2					
更正系数	-2.9					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	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.04	1.01	0.97	1.03	0.99	0.96	0.99	0.97	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.89
3	0.98	0.94	0.90	0.97	0.93	0.90	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.88	0.85	0.84
4	0.93	0.88	0.85	0.92	0.88	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.84	0.81	0.80
5	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.77
6	0.85	0.80	0.76	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.73
7	0.82	0.77	0.73	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.71
8	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.76	0.72	0.70	0.68
9	0.76	0.71	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
10	0.74	0.69	0.66	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64



# 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	13870.32	13675.41	13339.30	12607.22	11403.97	9526.97	7290.84	5213.55	3585.95
30.0	13998.47	13515.03	12300.27	10640.44	8557.01	6415.26	4684.83	3308.16	2358.91
60.0	13941.69	12742.28	10058.76	7518.75	5326.36	3918.99	2933.68	2210.81	1708.18
90.0	13934.78	12831.29	9949.80	7040.67	5000.22	3761.68	2875.36	2207.74	1721.99
120.0	13892.58	12748.42	10135.50	7639.23	5489.04	4056.35	3139.34	2401.89	1876.23
150.0	13884.90	13521.17	12414.61	10814.63	8765.74	6749.84	4938.83	3569.07	2640.54
180.0	13870.32	13951.66	13772.10	13181.98	11877.45	9918.33	7793.47	5590.33	3918.99
210.0	13998.47	13753.68	12691.63	10988.82	8980.60	6783.60	4937.30	3584.41	2562.27
240.0	13941.69	13266.40	11115.44	8320.66	6011.62	4424.69	3288.21	2509.32	1914.60
270.0	13934.78	12621.80	9817.04	6941.68	4922.72	3693.38	2825.48	2169.37	1602.28
300.0	13892.58	13195.03	11061.73	8263.10	5923.38	4309.58	3132.43	2411.10	1835.56
330.0	13884.90	13519.63	12487.51	10796.98	8671.35	6567.97	4709.39	3303.55	2336.66
360.0	13870.32	13675.41	13339.30	12607.22	11403.97	9526.97	7290.84	5213.55	3585.95
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2407.26	1697.44	1266.94	970.73	773.52	625.41	520.28	435.10	388.29
30.0	1743.48	1342.14	1040.56	826.46	676.06	554.81	463.50	389.06	332.50
60.0	1327.87	1028.51	804.75	648.36	523.58	433.64	363.43	309.71	268.04
90.0	1329.86	1020.61	781.19	615.44	491.12	399.04	335.65	283.93	247.17
120.0	1468.60	1137.56	884.09	705.53	563.25	456.28	381.31	321.76	276.64
150.0	1971.39	1501.75	1157.20	919.32	734.38	600.86	492.66	409.78	347.39
180.0	2652.05	1900.79	1402.84	1086.83	852.48	685.11	567.01	468.33	391.75
210.0	1897.72	1442.05	1119.76	883.94	716.35	580.21	479.53	404.10	340.48
240.0	1490.24	1157.20	897.06	712.89	572.46	464.26	389.83	330.05	283.16
270.0	1310.45	1005.95	777.97	608.84	487.51	396.04	332.20	281.70	243.87
300.0	1432.69	1115.00	878.65	692.17	557.88	458.89	389.83	324.37	278.63
330.0	1751.15	1333.78	1040.41	825.47	666.31	548.75	456.36	383.30	325.14
360.0	2407.26	1697.44	1266.94	970.73	773.52	625.41	520.28	435.10	388.29
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	315.55	273.42	238.81	212.64	190.08	171.89	158.77	148.03	139.51
30.0	285.23	249.09	218.70	195.07	177.11	162.15	150.41	141.12	134.06
60.0	236.81	210.41	189.08	172.74	158.23	145.95	135.21	125.47	115.87
90.0	217.17	196.60	178.57	163.45	149.10	135.75	123.78	112.11	101.52
120.0	241.65	215.17	193.46	176.42	161.30	148.64	137.44	128.00	118.64
150.0	299.74	259.14	226.76	202.36	181.94	166.60	153.32	144.11	136.90
180.0	332.12	287.69	249.86	219.55	195.83	175.65	160.69	149.18	140.81
210.0	292.29	253.00	223.15	198.83	179.11	164.30	152.32	142.96	135.90
240.0	248.55	220.31	197.22	179.11	164.68	151.48	140.28	130.53	121.09
270.0	217.78	196.14	178.57	163.14	148.87	135.60	124.24	112.96	102.14
300.0	244.49	217.01	194.53	177.65	163.22	150.33	139.82	129.92	120.71
330.0	282.70	245.79	215.71	193.99	175.65	161.23	150.25	141.73	134.90
360.0	315.55	273.42	238.81	212.64	190.08	171.89	158.77	148.03	139.51
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	134.14	130.38	126.39	121.71	115.64	107.82	100.60	92.62	84.80
30.0	128.00	123.16	118.48	112.65	105.59	97.69	88.63	78.43	68.45
60.0	106.82	97.07	87.79	76.66	62.54	51.80	42.74	34.15	25.48
90.0	90.86	81.57	71.14	61.39	52.57	43.66	35.45	27.01	20.34
120.0	109.20	99.99	90.86	79.27	64.38	53.56	44.12	34.99	26.55
150.0	131.07	126.92	122.78	117.33	110.27	102.06	92.78	83.11	71.83
180.0	134.83	131.30	128.46	124.08	118.18	111.81	104.59	97.07	89.48
210.0	130.53	125.77	121.40	116.41	109.73	101.91	92.85	82.42	71.67
240.0	112.04	102.83	94.16	83.26	69.98	57.02	47.73	38.37	29.77
270.0	92.39	82.57	71.98	62.46	54.10	45.20	36.76	29.01	22.02
300.0	112.04	102.29	92.78	81.50	67.99	56.40	47.12	38.37	29.24
330.0	129.84	125.01	120.17	114.34	106.67	97.53	88.02	77.74	66.68
360.0	134.14	130.38	126.39	121.71	115.64	107.82	100.60	92.62	84.80

# 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	76.81	68.91	60.09	51.26	42.67	33.92	25.40	16.11	5.37
30.0	56.48	39.37	25.63	15.12	8.21	6.29	4.14	2.92	1.84
60.0	17.11	13.81	12.28	10.05	7.21	5.91	5.37	3.84	1.69
90.0	17.04	15.65	13.35	10.28	7.60	7.29	6.45	4.37	1.92
120.0	17.42	13.89	12.28	10.21	7.37	5.91	5.45	4.07	1.76
150.0	59.09	40.82	26.32	16.19	8.59	6.52	4.53	2.99	2.23
180.0	80.73	71.37	62.08	53.18	43.51	35.07	26.17	16.88	6.22
210.0	60.16	41.05	26.24	16.42	9.06	7.06	4.68	2.99	2.07
240.0	21.10	16.42	14.58	12.28	9.06	6.45	6.06	4.68	2.23
270.0	19.49	17.57	14.96	11.36	8.29	7.83	6.91	4.53	2.07
300.0	19.64	15.88	14.04	11.59	8.52	6.29	5.83	4.22	2.00
330.0	53.26	35.30	23.17	13.89	8.06	6.37	4.07	2.99	1.69
360.0	76.81	68.91	60.09	51.26	42.67	33.92	25.40	16.11	5.37
C/γ(°)	90.0								
0.0	0.15								
30.0	0.15								
60.0	0.00								
90.0	0.00								
120.0	0.08								
150.0	0.31								
180.0	0.23								
210.0	0.31								
240.0	0.15								
270.0	0.08								
300.0	0.00								
330.0	0.08								
360.0	0.15								