

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: F3483S6-48-24DC (5015-OL-48WN-AA, L1000.C.CT)

报告编号:

电压(V): 24.0000

测试编号: 20210402010

电流(A): 1.9150

光源规格型号: OD

功率(W): 46.0000

每个光源光通量(lm)

功率因数: 1.0240

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): 4555.92

灯具效能(lm/w): 99.04

中心光强(cd): 13148.220

最大光强(cd): 13377.670

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=51.8

[C90/270]Total=14.1

光束扩散角(10%Imax): [C0/180]Total=79.0

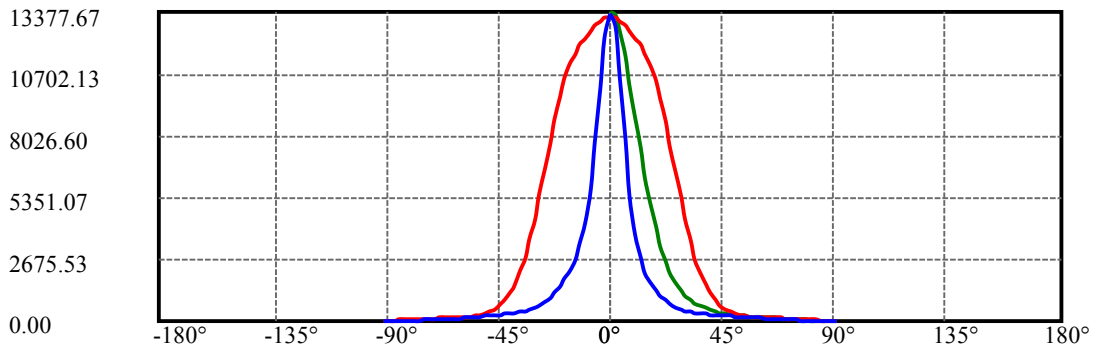
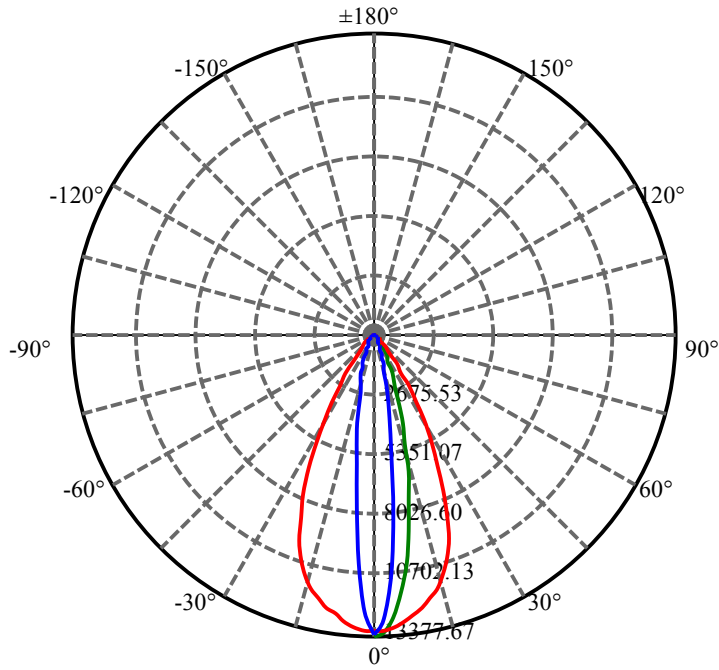
[C90/270]Total=39.7

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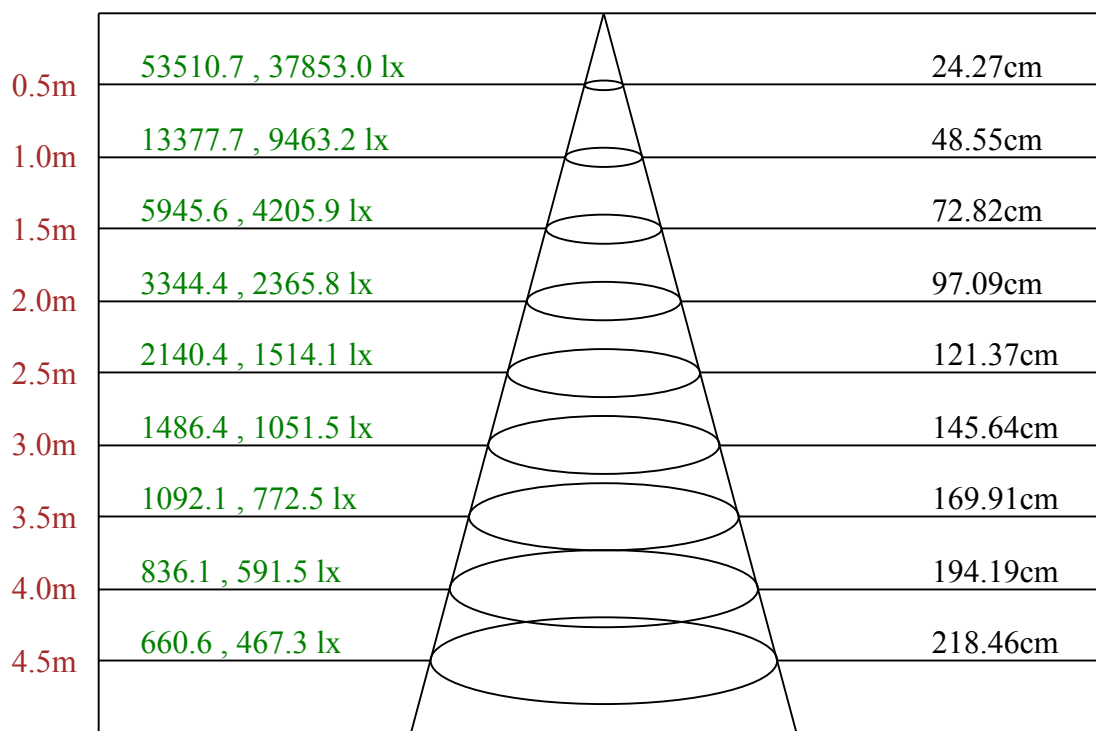
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/2  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

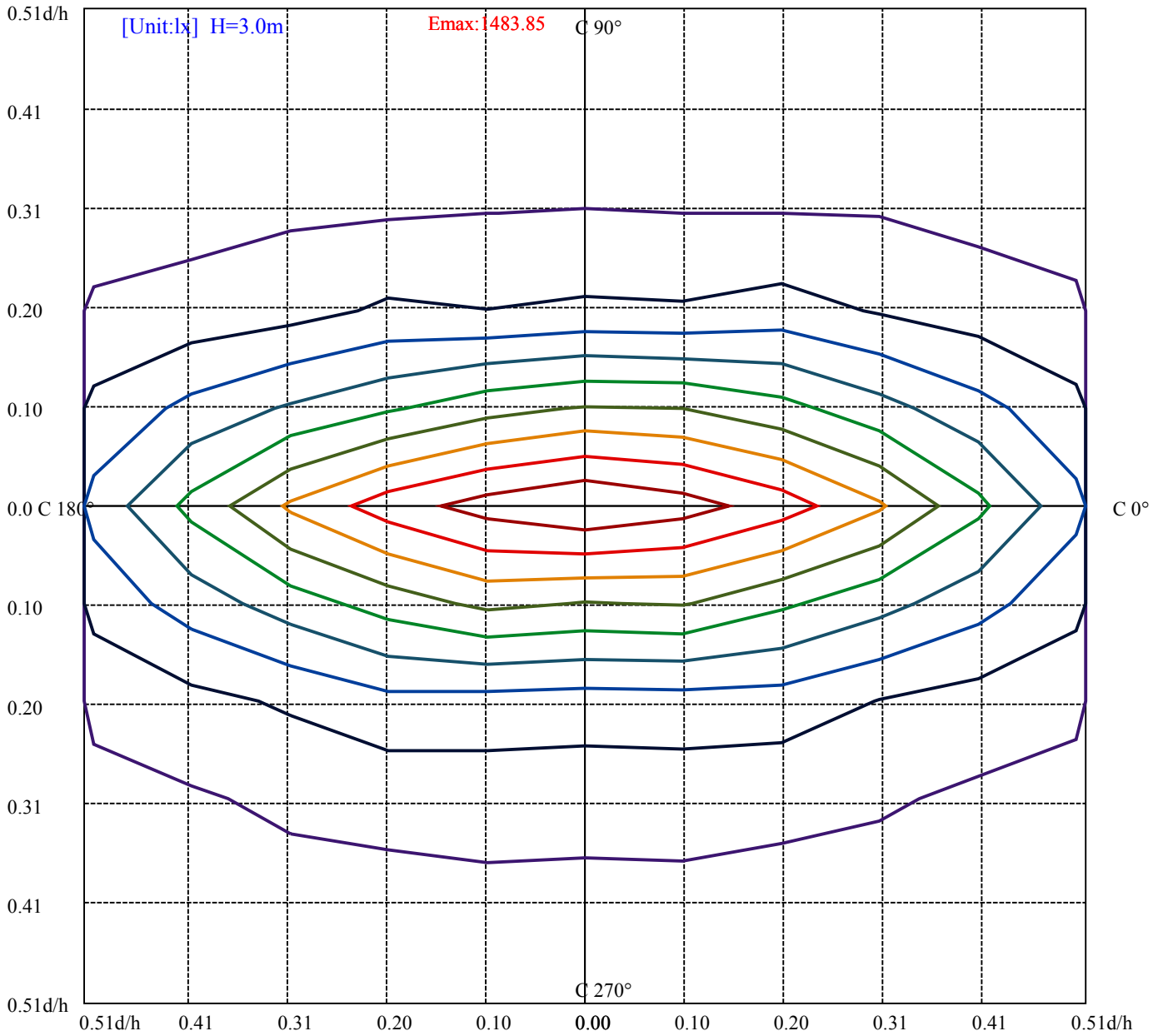


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角27.29

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 148.3844
- (20%Emax) 296.7689
- (30%Emax) 445.1533
- (40%Emax) 593.5378
- (50%Emax) 741.9222
- (60%Emax) 890.3066
- (70%Emax) 1038.691
- (80%Emax) 1187.078
- (90%Emax) 1335.456

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/2  
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

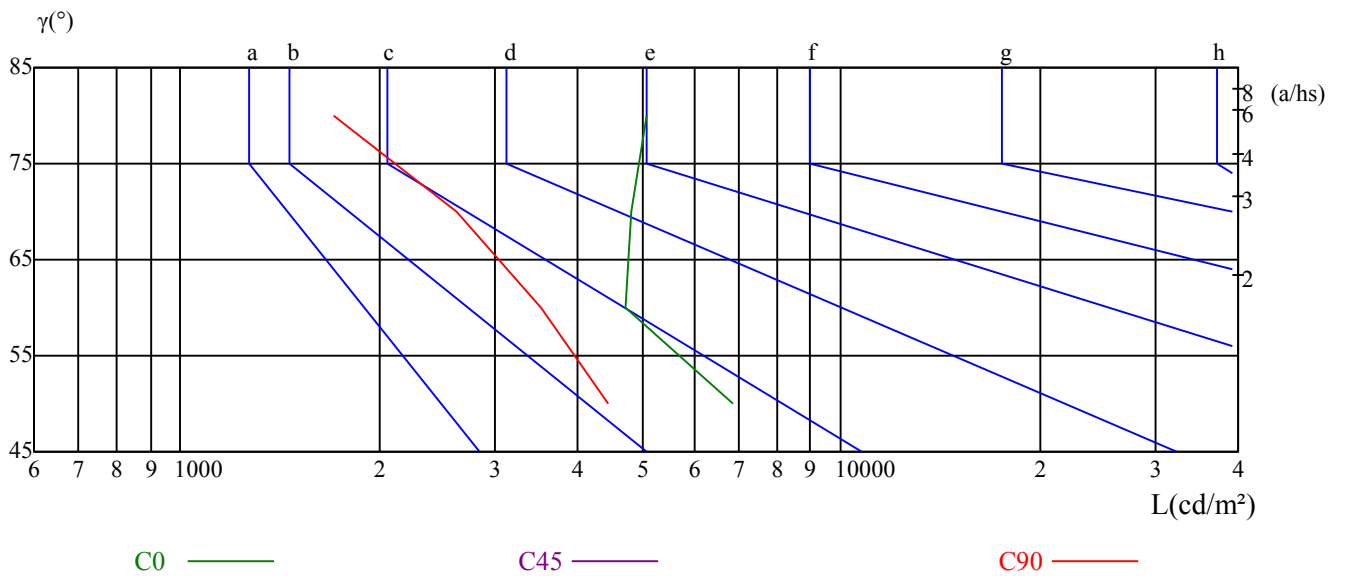
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6864	0	4712	0	4812	0	5093	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4438	0	3525	0	2611	0	1704	0

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

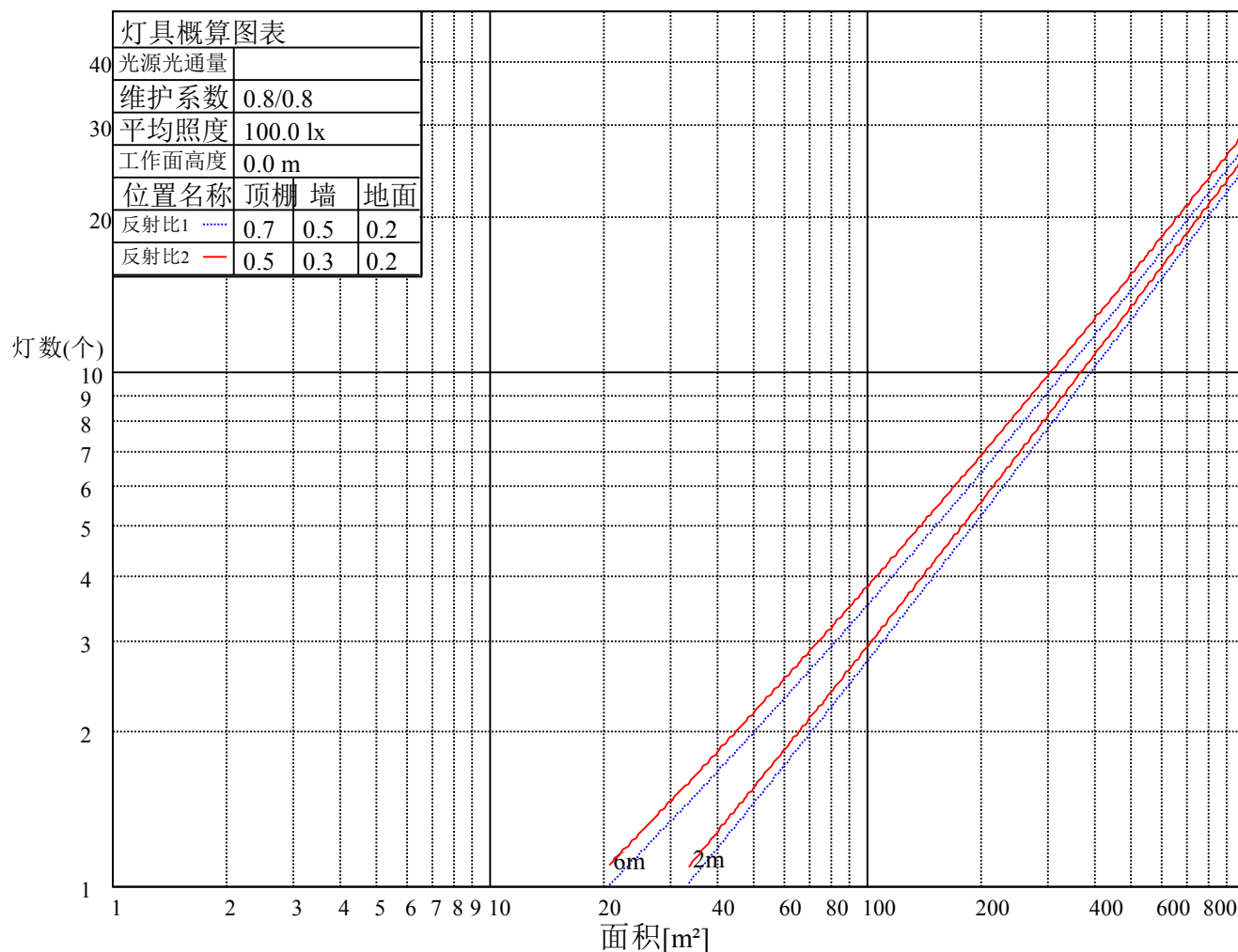
亮度限制曲线



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	7.20	8.27	7.56	8.58	8.90	8.19	9.26	8.56	9.58	9.89
	3H	8.27	9.22	8.65	9.55	9.92	10.07	11.02	10.45	11.35	11.72
	4H	8.63	9.51	9.03	9.86	10.25	10.86	11.74	11.27	12.09	12.48
	6H	8.80	9.60	9.21	9.98	10.37	11.55	12.35	11.96	12.73	13.12
	8H	8.82	9.58	9.25	9.97	10.38	11.82	12.57	12.25	12.96	13.37
	12H	8.85	9.57	9.28	9.96	10.39	12.18	12.90	12.61	13.29	13.72
4H	2H	7.76	8.64	8.17	8.99	9.38	8.56	9.44	8.97	9.79	10.18
	3H	9.03	9.75	9.45	10.16	10.56	10.65	11.37	11.07	11.78	12.18
	4H	9.47	10.11	9.91	10.54	10.98	11.55	12.19	11.99	12.61	13.06
	6H	9.67	10.22	10.14	10.67	11.14	12.22	12.77	12.69	13.22	13.69
	8H	9.71	10.22	10.18	10.67	11.14	12.55	13.06	13.02	13.51	13.98
	12H	9.74	10.19	10.23	10.68	11.15	12.93	13.38	13.42	13.86	14.34
8H	4H	9.76	10.28	10.24	10.73	11.20	11.62	12.14	12.10	12.59	13.06
	6H	10.05	10.46	10.56	10.97	11.45	12.39	12.80	12.89	13.30	13.78
	8H	10.14	10.50	10.67	11.02	11.52	12.77	13.14	13.30	13.66	14.16
	12H	10.76	11.07	11.28	11.57	12.15	13.61	13.92	14.13	14.42	15.00
12H	4H	9.78	10.23	10.27	10.71	11.19	11.59	12.03	12.08	12.52	13.00
	6H	10.45	10.47	10.64	10.94	11.49	12.71	12.73	12.90	13.20	13.75
	8H	10.22	10.54	10.74	11.04	11.61	12.78	13.10	13.30	13.60	14.17
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.5					3.1/-1.7					
S = 1.5H	0.7/-1.1					4.7/-1.7					
S = 2.0H	1.7/-1.4					6.2/-1.6					
标准表格	BK3					BK2					
更正系数	-2.7					0.6					

# 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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.93
2	1.03	0.98	0.95	1.01	0.97	0.94	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.86
3	0.96	0.91	0.87	0.94	0.90	0.86	0.92	0.88	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.81
4	0.90	0.84	0.80	0.89	0.84	0.80	0.87	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.76
5	0.85	0.79	0.75	0.84	0.78	0.75	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.71
6	0.80	0.74	0.70	0.79	0.74	0.70	0.78	0.73	0.70	0.77	0.72	0.69	0.75	0.72	0.69	0.67
7	0.76	0.70	0.66	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.65	0.72	0.68	0.65	0.64
8	0.72	0.67	0.63	0.72	0.66	0.63	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.61
9	0.69	0.64	0.60	0.69	0.63	0.60	0.68	0.63	0.60	0.67	0.62	0.59	0.66	0.62	0.59	0.58
10	0.66	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.55



# 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	13148.22	13098.34	12967.12	12766.07	12523.58	12252.69	11931.16	11568.96	11032.56
30.0	13377.67	13194.26	12529.72	11483.01	10259.82	8843.24	7517.98	6220.35	5042.43
60.0	13331.62	12619.50	10896.74	8598.45	6325.48	4586.61	3342.69	2515.46	1969.09
90.0	13271.77	12614.89	10585.95	7867.91	5446.07	3713.33	2718.05	2078.05	1668.28
120.0	13231.86	12531.25	10536.84	8306.08	6037.71	4349.49	3166.19	2392.68	1902.33
150.0	13193.50	12943.33	12172.89	10996.50	9595.27	8178.69	6746.77	5467.55	4408.58
180.0	13148.22	13100.64	12960.98	12764.53	12517.44	12255.76	11951.11	11579.70	11097.02
210.0	13377.67	13112.92	12403.87	11397.84	10241.40	8926.12	7717.50	6431.38	5375.47
240.0	13331.62	12754.56	11093.95	9080.36	7041.44	5410.77	4155.34	3285.90	2644.38
270.0	13271.77	12247.32	10145.48	7714.43	5729.23	4237.45	3289.74	2641.31	2197.00
300.0	13231.86	12682.42	11121.58	8970.63	6914.06	5287.99	4054.05	3204.56	2581.45
330.0	13193.50	12937.96	12245.02	11186.04	9890.71	8514.04	7259.38	6017.76	4925.02
360.0	13148.22	13098.34	12967.12	12766.07	12523.58	12252.69	11931.16	11568.96	11032.56
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	10417.13	9603.71	8659.07	7576.30	6461.31	5386.98	4364.07	3472.38	2690.42
30.0	4086.28	3255.98	2580.69	2051.20	1661.37	1342.14	1108.09	917.01	767.38
60.0	1521.55	1325.95	1102.72	912.10	755.40	632.55	544.30	471.63	414.69
90.0	1349.81	1092.74	882.48	722.10	607.76	515.68	450.45	396.73	356.68
120.0	1520.63	1271.08	1043.25	868.21	719.57	609.91	522.58	454.59	401.34
150.0	3495.40	2774.06	2203.14	1784.92	1444.97	1182.53	990.68	829.53	707.52
180.0	10473.15	9701.93	8729.67	7711.36	6574.88	5446.83	4420.09	3546.81	2761.02
210.0	4423.92	3593.62	2940.58	2391.14	1963.72	1525.77	1333.01	1102.64	928.99
240.0	2185.49	1844.77	1540.89	1300.70	1086.60	902.43	756.63	643.83	544.84
270.0	1831.73	1522.63	1259.03	1030.36	849.49	696.62	582.90	495.72	434.72
300.0	2154.02	1802.57	1501.75	1265.40	1055.14	874.81	734.38	623.88	530.26
330.0	4057.12	3283.60	2681.98	2187.02	1786.45	1479.12	1242.31	1036.57	870.51
360.0	10417.13	9603.71	8659.07	7576.30	6461.31	5386.98	4364.07	3472.38	2690.42
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	2101.84	1605.35	1220.90	920.08	692.94	518.75	396.73	313.55	253.31
30.0	649.20	553.28	480.38	415.92	366.42	322.53	288.46	256.92	232.67
60.0	372.71	337.34	309.87	284.93	265.51	247.33	230.75	216.09	201.67
90.0	323.91	298.89	277.18	258.91	243.72	229.37	216.48	202.74	189.93
120.0	362.12	328.82	301.89	280.86	261.83	244.95	229.52	215.79	202.20
150.0	602.39	517.98	448.15	394.43	348.54	309.41	278.94	252.08	229.91
180.0	2129.47	1518.87	1246.30	939.19	716.35	539.47	411.01	323.07	260.68
210.0	783.57	660.56	564.71	482.22	415.46	355.83	312.02	272.19	241.42
240.0	471.94	415.92	369.80	332.89	303.27	275.56	253.16	234.51	216.55
270.0	387.99	351.15	323.76	300.12	278.63	258.84	241.11	222.00	203.35
300.0	462.73	406.71	363.12	328.59	301.27	275.95	255.00	237.12	219.78
330.0	743.59	629.79	540.54	460.27	397.81	344.94	304.11	266.97	236.74
360.0	2101.84	1605.35	1220.90	920.08	692.94	518.75	396.73	313.55	253.31
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	219.85	197.52	180.64	167.44	156.31	145.57	136.36	126.85	116.95
30.0	210.87	192.07	176.96	163.07	151.10	139.28	128.00	116.72	105.59
60.0	188.39	174.81	160.46	144.42	129.84	114.95	101.29	89.17	76.35
90.0	175.04	157.85	142.19	125.24	110.27	97.69	85.72	74.67	63.46
120.0	188.77	176.04	161.61	145.49	130.07	115.64	101.83	89.17	75.89
150.0	208.80	192.00	176.73	163.53	150.87	138.90	127.92	116.56	104.59
180.0	222.77	200.05	182.71	168.59	156.70	146.42	136.75	127.23	117.95
210.0	214.87	192.30	175.19	160.23	146.49	134.37	123.62	111.81	100.30
240.0	200.44	184.40	168.52	150.71	132.91	116.95	102.29	89.71	75.59
270.0	184.63	162.07	142.89	123.09	107.59	95.00	83.64	71.67	60.32
300.0	204.97	188.31	172.12	153.63	135.98	118.41	103.21	90.01	75.74
330.0	211.80	191.31	173.73	158.92	145.88	133.60	122.70	110.73	98.45
360.0	219.85	197.52	180.64	167.44	156.31	145.57	136.36	126.85	116.95

# 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	106.44	95.08	83.26	72.36	62.85	51.72	39.83	22.48	6.91
30.0	93.01	79.65	65.61	51.72	39.60	29.31	19.57	5.91	2.84
60.0	63.77	52.03	45.28	37.68	26.93	13.20	9.59	5.76	4.14
90.0	53.87	47.27	40.44	32.23	21.03	13.81	10.28	6.91	4.68
120.0	62.39	51.11	44.28	36.68	26.63	13.35	9.75	5.91	4.30
150.0	91.93	79.35	65.30	51.11	39.06	29.08	19.80	6.14	2.99
180.0	107.43	95.85	84.41	74.13	64.08	53.95	42.05	26.09	9.98
210.0	87.71	73.98	59.78	46.58	34.53	26.55	15.04	5.14	2.69
240.0	63.00	51.18	44.28	36.76	25.94	12.58	9.29	5.45	3.61
270.0	51.80	44.97	37.60	28.01	16.81	12.51	8.82	6.37	3.38
300.0	61.77	49.96	43.13	35.61	25.02	12.43	9.13	5.60	3.45
330.0	85.79	71.90	58.70	45.51	33.53	25.25	13.74	4.91	2.61
360.0	106.44	95.08	83.26	72.36	62.85	51.72	39.83	22.48	6.91
C/γ(°)	90.0								
0.0	0.31								
30.0	0.61								
60.0	0.46								
90.0	0.61								
120.0	0.61								
150.0	0.77								
180.0	0.38								
210.0	0.31								
240.0	0.23								
270.0	0.15								
300.0	0.23								
330.0	0.31								
360.0	0.31								