

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3053A-36-36DC (10-OL-36WN-AA, P1)

报告编号:

电压(V): 35.8000

测试编号: 20210327005

电流(A): 1.0050

光源规格型号: OL

功率(W): 36.0000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 36

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 38

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): 3621.35

灯具效能(lm/w): 100.59

中心光强(cd): 35498.820

最大光强(cd): 36849.400

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=11.0

[C90/270]Total=10.6

光束扩散角(10%Imax): [C0/180]Total=28.9

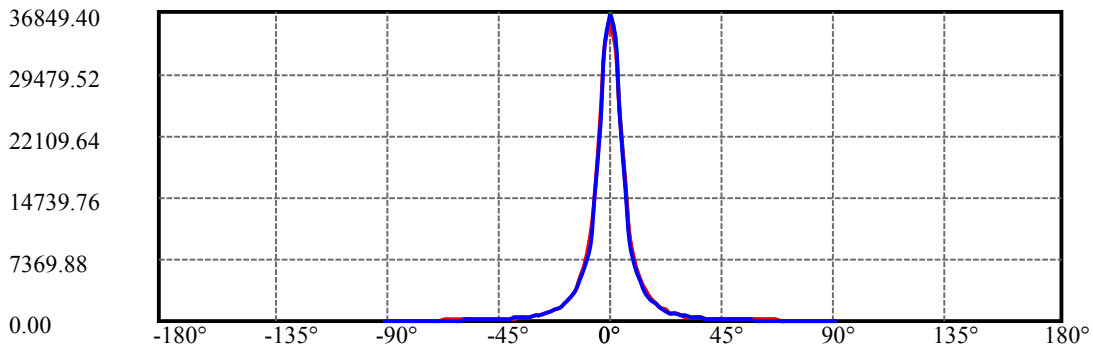
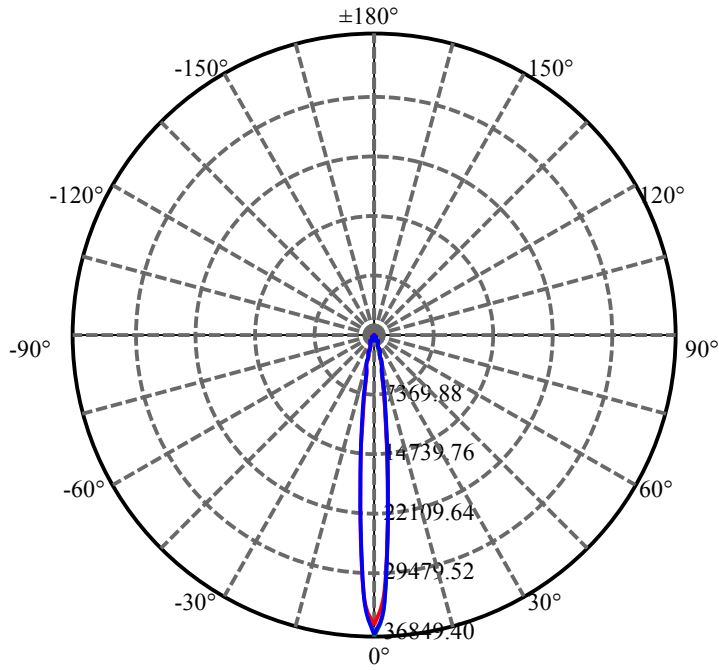
[C90/270]Total=27.5

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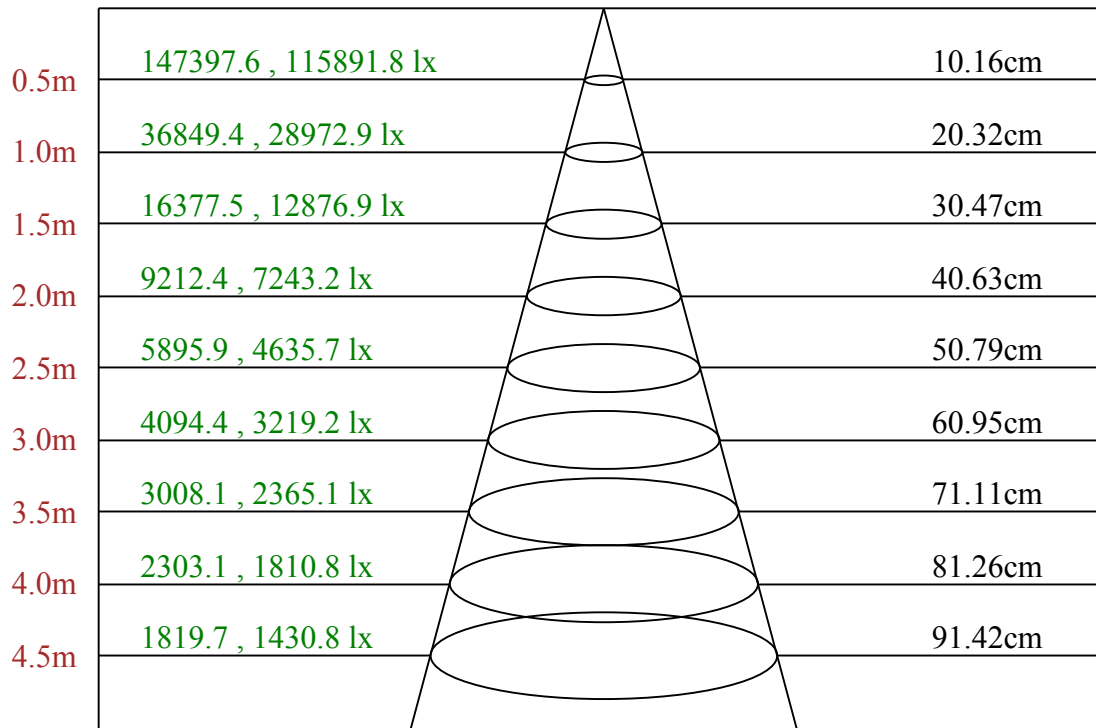
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/27  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

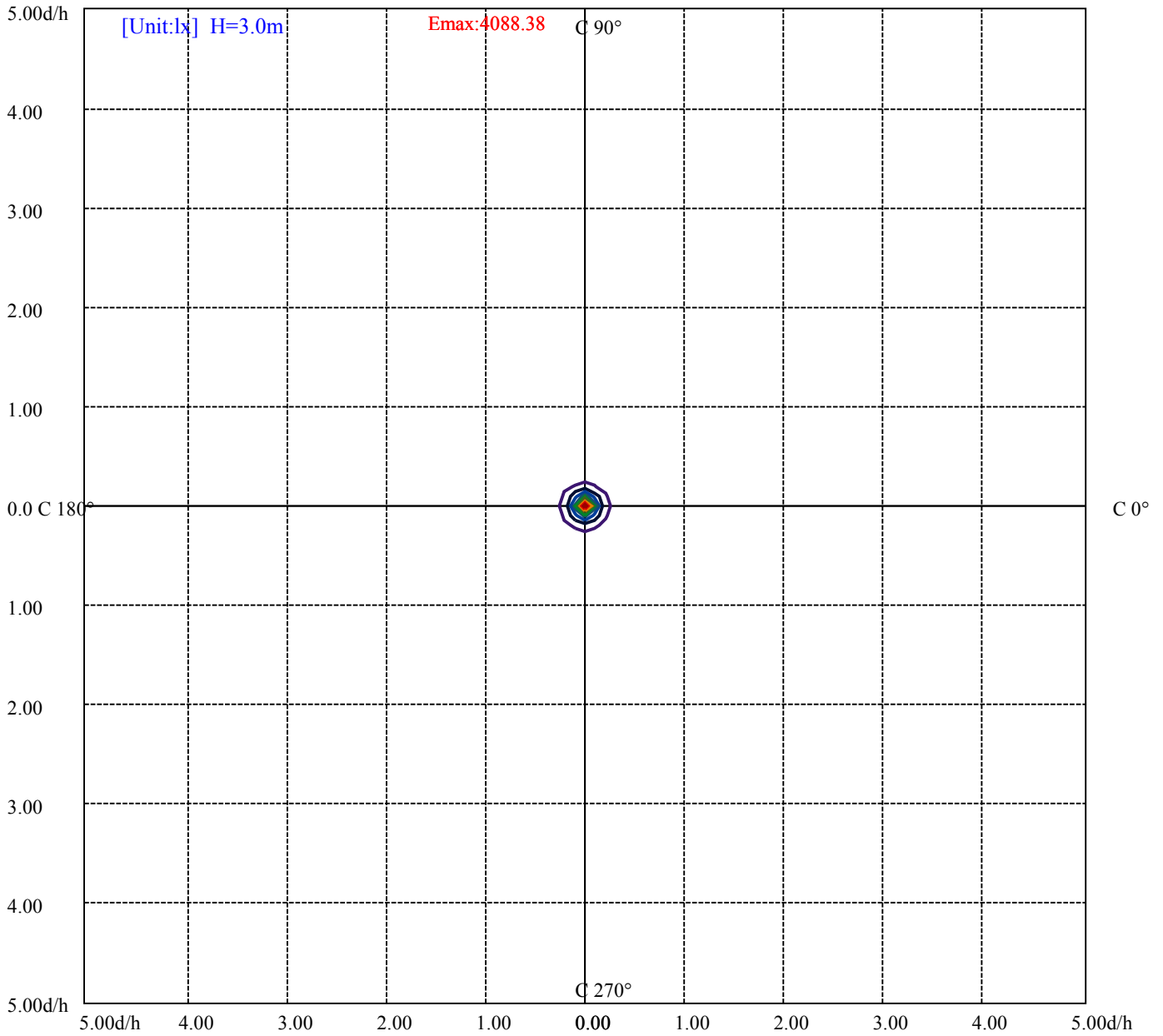


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角11.60

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 408.8378
- (20%Emax) 817.6744
- (30%Emax) 1226.511
- (40%Emax) 1635.344
- (50%Emax) 2044.189
- (60%Emax) 2453.022
- (70%Emax) 2861.867
- (80%Emax) 3270.7
- (90%Emax) 3679.533

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/27  
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

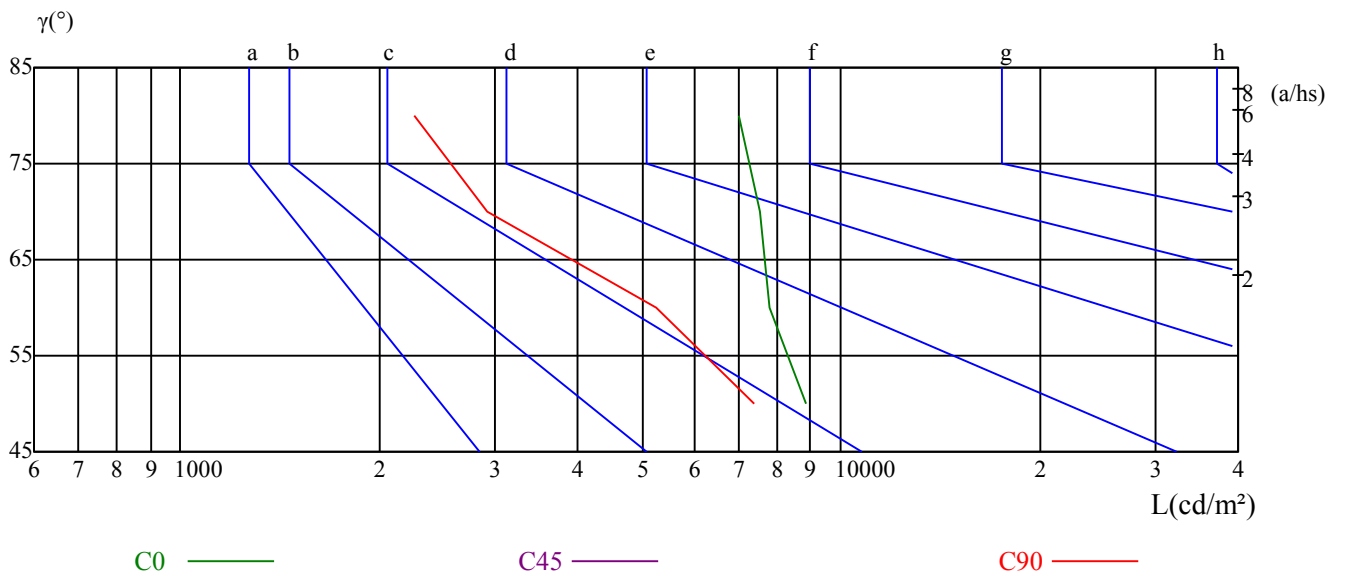
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	8880	0	7818	0	7561	0	6989	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7373	0	5255	0	2916	0	2267	0

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

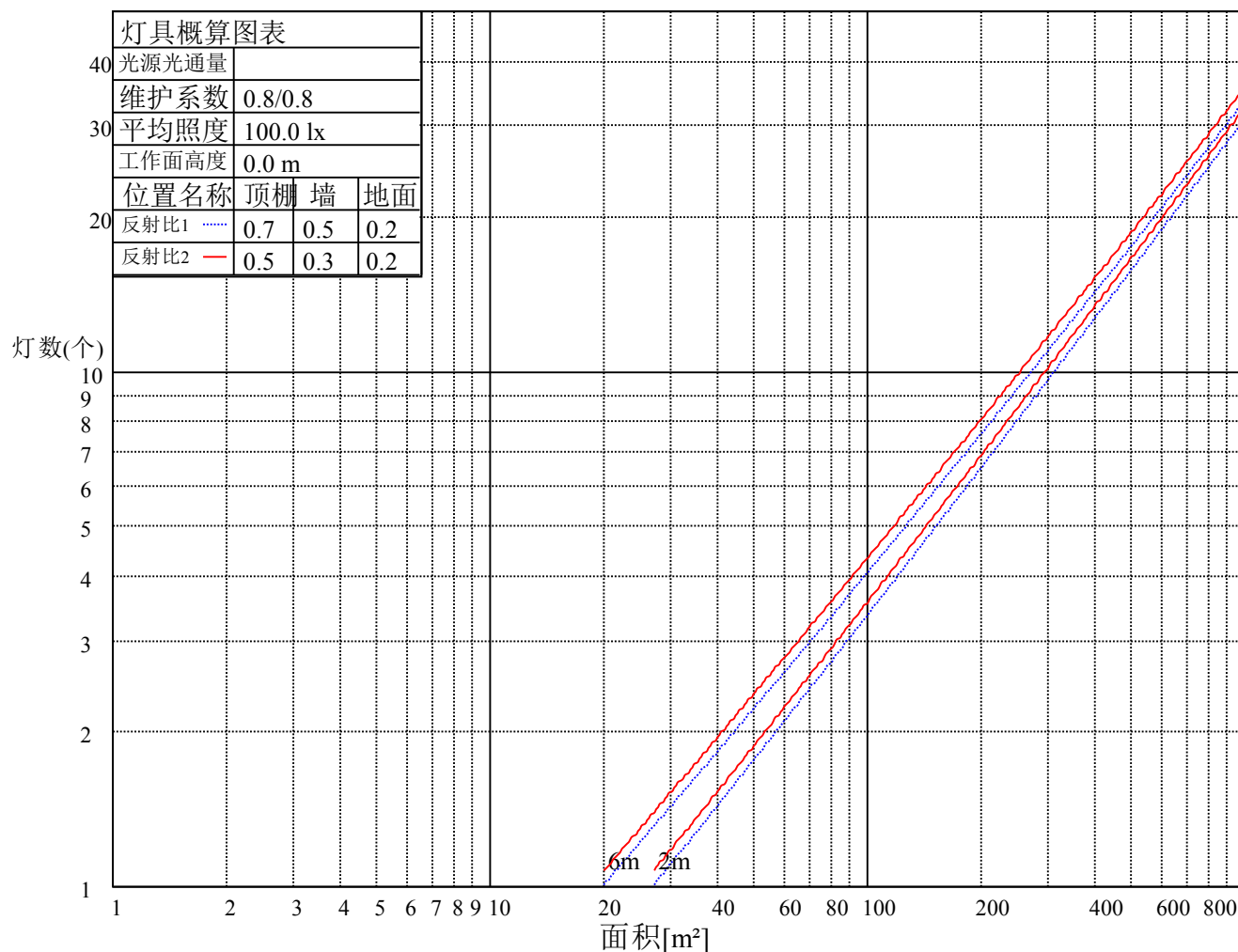
亮度限制曲线



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	9.51	10.58	9.88	10.89	11.21	11.32	12.39	11.69	12.70	13.02
	3H	10.16	11.11	10.55	11.44	11.81	13.03	13.97	13.41	14.30	14.67
	4H	10.41	11.29	10.82	11.64	12.03	13.63	14.51	14.04	14.86	15.25
	6H	10.54	11.34	10.95	11.71	12.11	14.09	14.89	14.50	15.26	15.66
	8H	10.56	11.31	10.99	11.71	12.11	14.24	14.99	14.67	15.39	15.79
	12H	10.63	11.35	11.06	11.73	12.16	14.43	15.15	14.86	15.53	15.96
4H	2H	10.13	11.01	10.54	11.36	11.75	11.60	12.48	12.01	12.83	13.22
	3H	10.85	11.56	11.26	11.97	12.38	13.50	14.22	13.92	14.63	15.03
	4H	11.13	11.77	11.57	12.19	12.64	14.15	14.79	14.59	15.21	15.66
	6H	11.27	11.82	11.74	12.27	12.74	14.59	15.14	15.06	15.59	16.06
	8H	11.31	11.82	11.78	12.27	12.74	14.77	15.28	15.25	15.73	16.21
	12H	11.39	11.83	11.88	12.32	12.80	14.98	15.42	15.47	15.91	16.38
8H	4H	11.32	11.83	11.80	12.28	12.76	14.09	14.60	14.57	15.05	15.53
	6H	11.51	11.91	12.02	12.42	12.90	14.56	14.96	15.06	15.46	15.95
	8H	11.59	11.95	12.12	12.47	12.96	14.77	15.13	15.30	15.65	16.15
	12H	12.28	12.59	12.80	13.09	13.67	15.59	15.90	16.11	16.40	16.97
12H	4H	11.30	11.74	11.79	12.23	12.71	14.04	14.49	14.53	14.97	15.45
	6H	11.83	11.86	12.03	12.33	12.88	14.84	14.87	15.04	15.34	15.89
	8H	11.61	11.92	12.13	12.42	13.00	14.74	15.05	15.26	15.55	16.13
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.8					0.2/-0.6					
S = 1.5H	0.8/-1.5					0.9/-0.8					
S = 2.0H	3.0/-2.6					1.4/-0.9					
标准表格	BK3					BK2					
更正系数	-1.2					0.3					

# 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	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95
2	1.05	1.01	0.98	1.03	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.93	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.91	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.85
4	0.94	0.90	0.86	0.93	0.89	0.85	0.91	0.87	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.81
5	0.90	0.85	0.82	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.78
6	0.87	0.82	0.78	0.86	0.81	0.78	0.84	0.80	0.77	0.83	0.80	0.77	0.82	0.79	0.76	0.75
7	0.83	0.79	0.75	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.73
8	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.71
9	0.78	0.74	0.70	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.69
10	0.76	0.71	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.74	0.70	0.68	0.67



# 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	35498.81	32022.60	24579.05	16237.68	10605.14	6914.06	4780.75	3898.27	2711.14
30.0	36849.40	33503.64	25008.78	16391.15	10259.82	6844.99	4826.80	3890.60	2735.70
60.0	36741.96	31953.54	23174.76	14649.98	9071.15	6099.87	4480.71	3338.09	2540.01
90.0	36718.94	33235.05	24586.73	15600.75	9653.59	6384.57	4581.23	3457.80	2615.98
120.0	36718.94	32813.00	23857.72	15256.20	9490.91	6476.65	4650.30	3497.70	2649.75
150.0	36342.93	33158.32	25254.34	17265.96	10927.43	7282.40	5103.05	3913.62	2855.41
180.0	35498.81	32413.96	24701.83	15032.13	10691.08	7046.05	5049.33	3688.78	2811.67
210.0	36849.40	33396.20	24947.39	15076.64	10780.10	7304.65	5108.42	3842.25	2885.33
240.0	36741.96	34033.13	25622.68	16575.32	10635.83	7282.40	5195.14	3890.60	3001.21
270.0	36718.94	32567.44	23305.21	15112.70	9462.51	6561.06	4789.19	3608.20	2782.51
300.0	36718.94	33242.73	24502.32	16084.20	10282.84	7052.19	4957.25	3898.27	2902.22
330.0	36342.93	32037.95	23926.78	15253.90	9935.98	6730.65	4816.05	3654.24	2728.02
360.0	35498.81	32022.60	24579.05	16237.68	10605.14	6914.06	4780.75	3898.27	2711.14

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2066.54	1611.49	1279.98	1013.70	823.39	683.73	568.63	484.98	416.69
30.0	2102.61	1650.63	1293.03	1029.05	831.07	688.34	576.30	490.35	427.43
60.0	1983.67	1526.31	1229.87	973.80	798.38	659.79	561.26	480.38	418.45
90.0	2040.45	1587.70	1249.29	1003.73	824.93	682.96	575.53	495.72	429.73
120.0	2042.75	1518.10	1268.55	1013.32	820.09	682.73	573.31	488.67	423.67
150.0	2186.25	1689.76	1319.12	1059.75	854.86	706.75	606.99	528.72	467.33
180.0	2126.40	1597.68	1312.37	1056.52	851.17	698.24	587.89	497.72	427.66
210.0	2246.88	1746.55	1371.68	1105.25	893.76	729.24	610.29	522.43	448.68
240.0	2292.15	1790.29	1400.46	1120.37	908.57	752.80	624.64	531.79	458.12
270.0	2157.86	1705.88	1345.59	1077.40	876.42	726.86	610.14	521.13	452.21
300.0	2253.78	1760.36	1379.74	1102.72	893.99	730.54	608.53	522.58	448.91
330.0	2132.54	1523.16	1318.05	1048.47	846.72	698.39	584.36	498.18	429.65
360.0	2066.54	1611.49	1279.98	1013.70	823.39	683.73	568.63	484.98	416.69

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	377.32	328.13	296.36	271.80	254.54	240.19	226.61	212.56	200.13
30.0	388.29	338.03	306.87	280.25	257.30	238.81	222.77	208.73	195.91
60.0	372.71	334.12	302.42	276.18	254.31	233.51	212.33	193.76	176.65
90.0	389.06	336.72	299.28	266.51	239.57	215.63	194.91	176.50	159.46
120.0	375.86	335.96	305.03	277.87	254.31	233.05	211.80	193.23	175.88
150.0	416.69	388.29	342.94	315.24	289.38	266.97	248.78	231.36	215.40
180.0	373.41	332.20	297.59	269.50	247.10	229.83	217.93	207.96	198.14
210.0	396.27	352.61	316.70	288.30	265.36	244.33	227.83	213.79	200.13
240.0	402.87	361.05	324.14	295.29	269.81	248.48	226.22	206.42	187.55
270.0	397.12	353.76	314.24	279.86	249.01	224.53	203.58	183.33	165.98
300.0	394.43	353.30	317.69	288.00	264.44	242.64	222.54	203.89	185.09
330.0	381.23	340.79	308.95	282.32	259.30	239.65	224.46	209.88	196.45
360.0	377.32	328.13	296.36	271.80	254.54	240.19	226.61	212.56	200.13

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	188.16	168.90	155.78	145.57	135.75	125.54	116.26	106.13	96.31
30.0	184.63	173.27	161.92	150.87	139.28	127.84	115.26	101.91	85.56
60.0	159.69	143.19	126.69	108.20	94.00	80.65	66.76	53.03	39.75
90.0	143.58	126.31	111.19	97.84	85.10	70.83	57.02	45.12	37.14
120.0	159.84	143.50	126.77	108.20	94.00	80.65	66.84	53.64	39.98
150.0	200.67	188.16	175.50	161.00	141.12	127.77	115.34	103.52	88.79
180.0	187.55	168.82	156.77	145.34	135.67	126.23	116.64	106.67	97.07
210.0	188.70	176.73	164.68	153.32	141.35	129.61	117.49	104.90	88.86
240.0	171.51	155.16	137.90	119.48	102.83	88.63	74.44	60.70	45.89
270.0	149.87	132.99	115.26	102.14	88.17	73.21	59.86	47.04	38.45
300.0	168.21	151.86	135.60	116.41	99.84	86.25	72.21	58.01	43.36
330.0	185.24	173.58	162.22	151.02	139.82	127.38	115.87	102.91	87.56
360.0	188.16	168.90	155.78	145.57	135.75	125.54	116.26	106.13	96.31

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/27  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

# 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	86.41	76.97	66.30	55.25	45.20	33.92	23.10	12.89	3.84
30.0	65.99	48.81	33.92	20.64	13.43	11.28	6.98	3.99	2.76
60.0	29.62	26.70	24.86	20.11	13.74	8.90	8.36	6.37	2.92
90.0	34.69	33.15	28.93	20.72	14.66	11.51	10.59	7.60	3.53
120.0	29.93	26.78	24.94	20.41	14.12	8.98	8.36	6.45	3.07
150.0	69.91	51.64	36.60	22.02	14.12	11.59	7.75	4.22	3.07
180.0	86.94	76.81	66.22	55.94	45.28	34.84	24.25	13.74	4.14
210.0	69.37	50.11	35.15	20.72	13.35	10.90	6.52	3.99	2.46
240.0	32.15	28.39	26.01	20.49	13.97	8.75	8.21	6.22	2.92
270.0	35.61	33.84	26.32	19.11	12.51	11.20	9.75	6.45	2.46
300.0	31.69	27.86	25.71	20.26	13.81	8.67	8.06	6.06	2.69
330.0	69.52	49.96	34.15	19.72	13.12	10.51	6.22	3.84	2.30
360.0	86.41	76.97	66.30	55.25	45.20	33.92	23.10	12.89	3.84
C/γ(°)	90.0								
0.0	0.23								
30.0	0.23								
60.0	0.23								
90.0	0.15								
120.0	0.15								
150.0	0.46								
180.0	0.23								
210.0	0.15								
240.0	0.15								
270.0	0.00								
300.0	0.08								
330.0	0.23								
360.0	0.23								