

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3323A-15-36DC-RC-Y (40-XL-15RGBWN-AJ, L1000, C, CT)

报告编号:

电压(V): 220.3000

测试编号: 20210410005

电流(A): 0.3700

光源规格型号: XL

功率(W): 76.3000

每个光源光通量(lm)

功率因数: 0.9350

光源数量: 15

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 45

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): 3024.13

灯具效能(lm/w): 39.63

中心光强(cd): 4398.599

最大光强(cd): 4514.473

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=42.2

[C90/270]Total=41.6

光束扩散角(10%Imax): [C0/180]Total=79.6

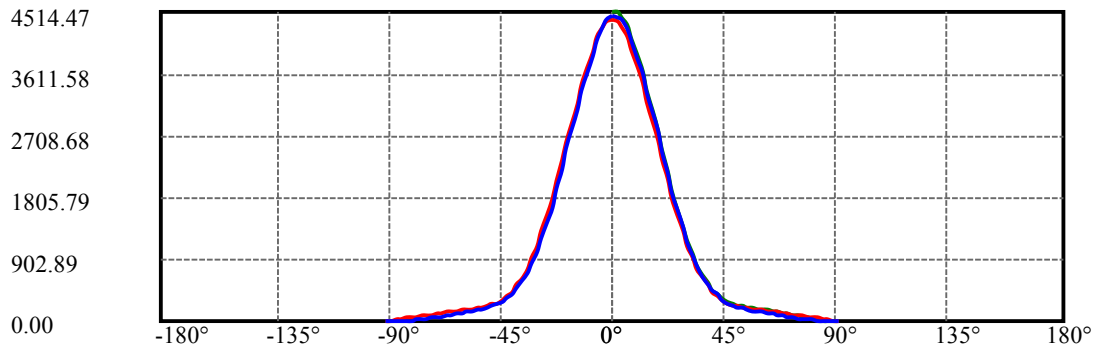
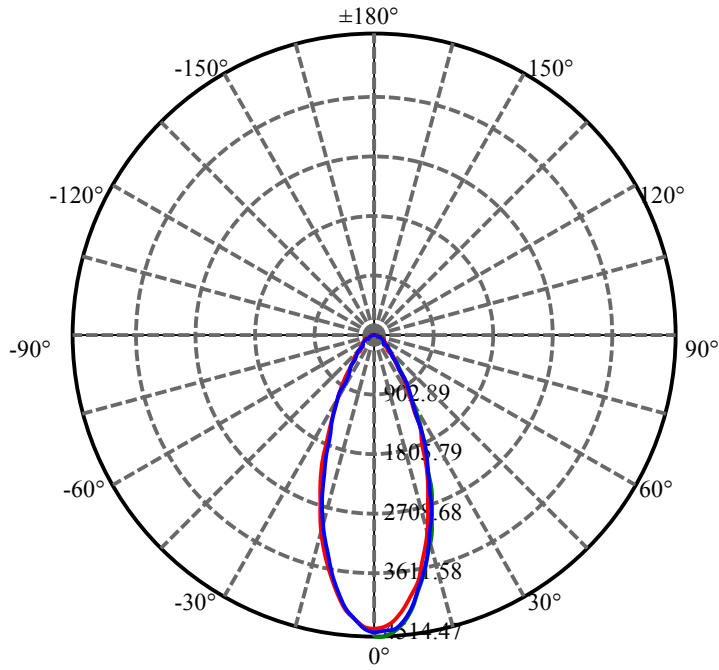
[C90/270]Total=78.7

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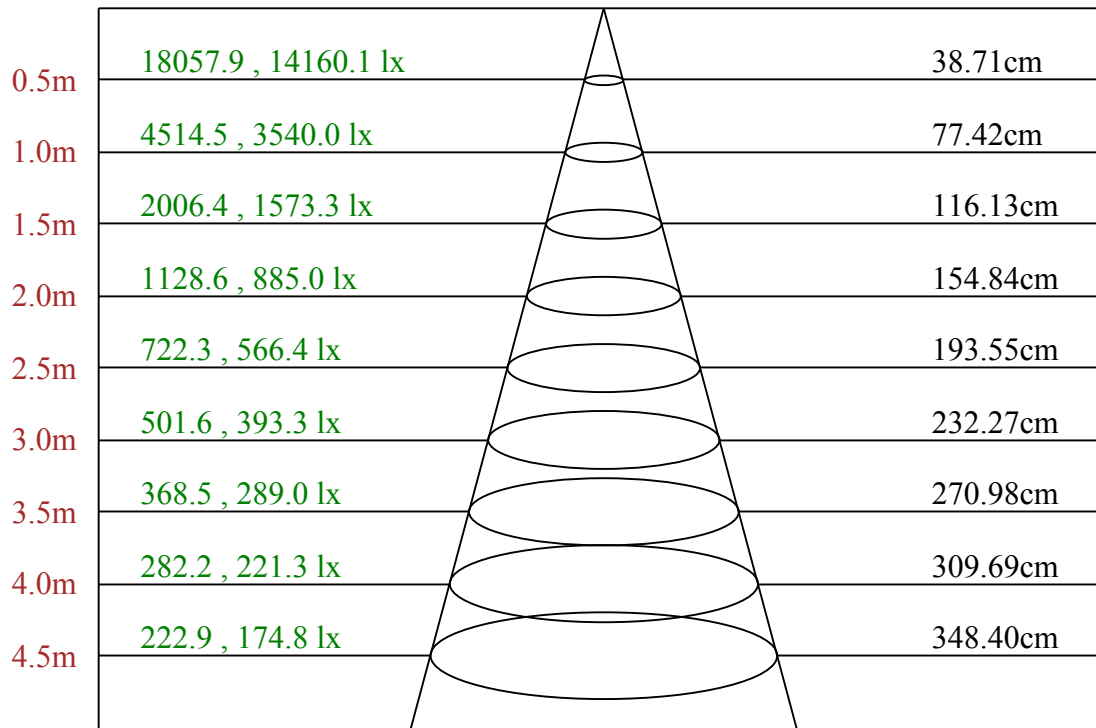
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/10  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

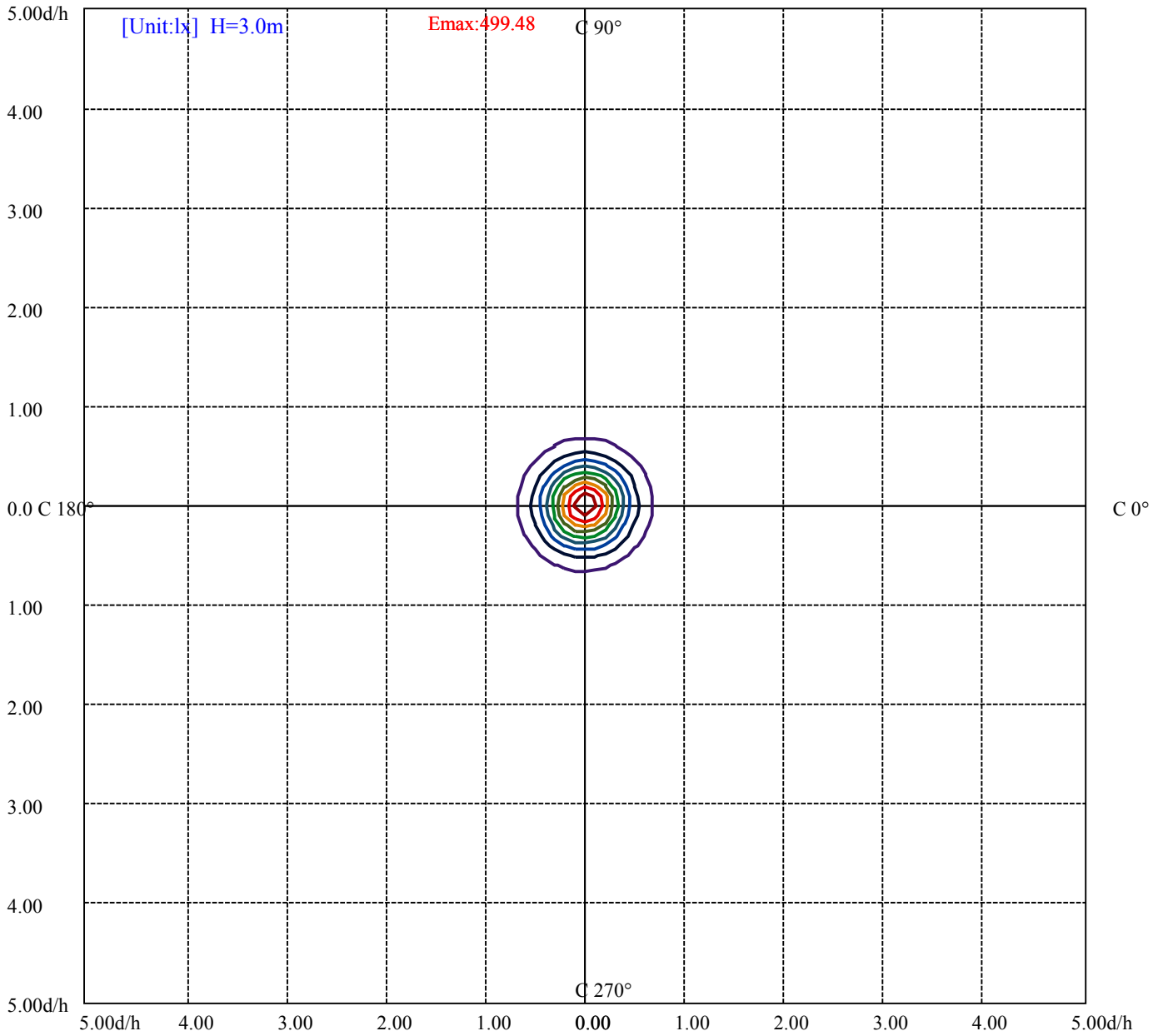


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角42.32

ROLED 投光灯  
平面等照度曲线



(10%Emax) 49.94756	——
(20%Emax) 99.89523	——
(30%Emax) 149.8433	——
(40%Emax) 199.79	——
(50%Emax) 249.7378	——
(60%Emax) 299.6855	——
(70%Emax) 349.6333	——
(80%Emax) 399.5811	——
(90%Emax) 449.5289	——

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测试日期: 2021/4/10  
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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

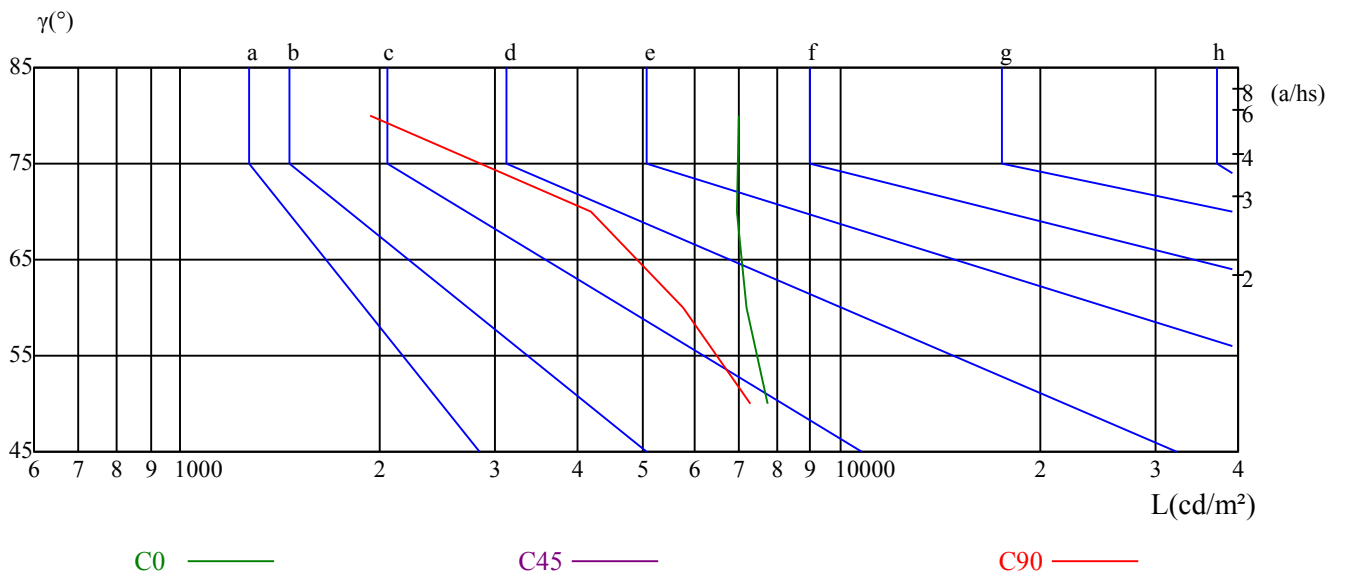
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	7729	0	7183	0	6970	0	7015	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7274	0	5777	0	4192	0	1934	0

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

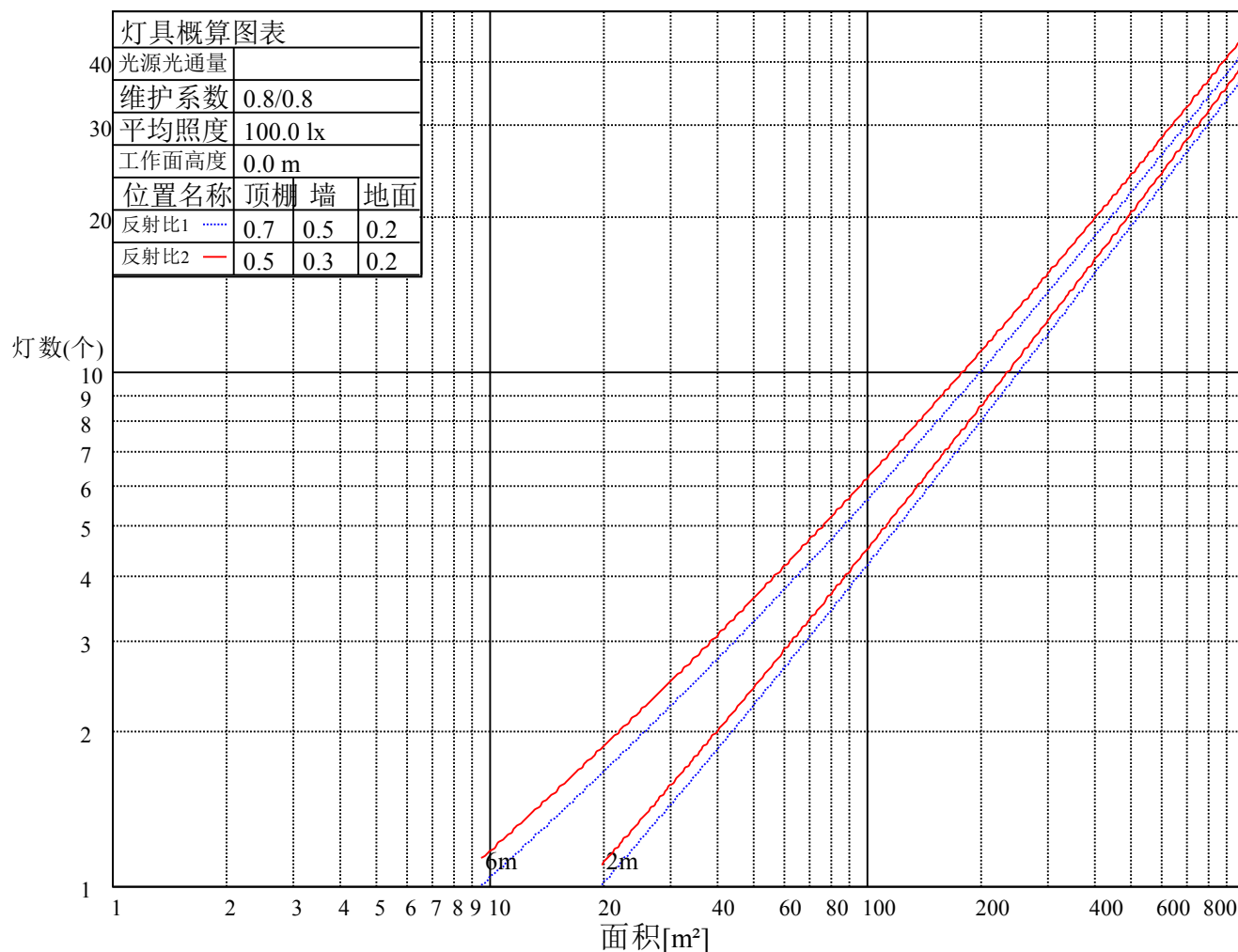
亮度限制曲线



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	11.24	12.40	11.60	12.71	13.03	12.27	13.44	12.64	13.75	14.06
	3H	12.37	13.40	12.75	13.73	14.10	14.13	15.16	14.51	15.50	15.86
	4H	12.62	13.58	13.02	13.93	14.32	14.86	15.82	15.26	16.17	16.56
	6H	12.69	13.57	13.11	13.94	14.34	15.43	16.31	15.85	16.69	17.08
	8H	12.68	13.51	13.12	13.91	14.31	15.66	16.49	16.09	16.88	17.29
	12H	12.69	13.49	13.13	13.87	14.30	15.98	16.77	16.41	17.16	17.59
4H	2H	11.90	12.86	12.30	13.21	13.60	12.72	13.68	13.12	14.03	14.42
	3H	13.15	13.94	13.56	14.34	14.75	14.82	15.61	15.24	16.02	16.42
	4H	13.45	14.16	13.89	14.58	15.02	15.66	16.36	16.09	16.79	17.23
	6H	13.54	14.14	14.00	14.59	15.06	16.22	16.83	16.69	17.28	17.75
	8H	13.53	14.10	14.01	14.55	15.02	16.48	17.05	16.95	17.49	17.97
	12H	13.55	14.04	14.03	14.53	15.00	16.81	17.30	17.30	17.79	18.26
8H	4H	13.74	14.30	14.21	14.75	15.22	15.72	16.29	16.19	16.74	17.21
	6H	13.85	14.30	14.35	14.80	15.28	16.35	16.81	16.86	17.31	17.79
	8H	13.86	14.26	14.39	14.78	15.28	16.66	17.07	17.19	17.58	18.08
	12H	14.55	14.90	15.07	15.40	15.97	17.49	17.85	18.01	18.34	18.92
12H	4H	13.74	14.24	14.23	14.72	15.20	15.68	16.17	16.16	16.66	17.13
	6H	14.31	14.28	14.40	14.74	15.29	16.76	16.72	16.85	17.19	17.74
	8H	13.91	14.26	14.43	14.76	15.33	16.65	17.00	17.16	17.49	18.07
对应照射距离，改变观察者位置S											
S = 1.0H	1.2/-1.1					0.7/-0.8					
S = 1.5H	2.3/-1.5					1.2/-0.9					
S = 2.0H	4.1/-2.1					2.3/-1.0					
标准表格	BK3					BK3					
更正系数	0.9					2.3					

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## 灯具的概算曲线



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	1.09	1.07	1.04	1.07	1.05	1.02	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.95	0.93	0.92
2	1.01	0.96	0.92	0.99	0.95	0.91	0.96	0.92	0.89	0.93	0.90	0.87	0.90	0.87	0.85	0.84
3	0.93	0.88	0.83	0.92	0.87	0.82	0.89	0.85	0.81	0.87	0.83	0.80	0.84	0.81	0.79	0.77
4	0.87	0.80	0.76	0.85	0.80	0.75	0.83	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.71
5	0.81	0.74	0.70	0.80	0.74	0.69	0.78	0.73	0.69	0.76	0.72	0.68	0.75	0.71	0.68	0.66
6	0.76	0.69	0.65	0.75	0.69	0.65	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.62
7	0.71	0.65	0.60	0.71	0.65	0.60	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.59	0.58
8	0.67	0.61	0.57	0.67	0.61	0.57	0.66	0.60	0.56	0.64	0.60	0.56	0.63	0.59	0.56	0.54
9	0.64	0.58	0.53	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.51
10	0.60	0.54	0.50	0.60	0.54	0.50	0.59	0.54	0.50	0.58	0.53	0.50	0.58	0.53	0.50	0.49



# 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	4398.60	4379.41	4295.00	4143.06	3944.31	3726.38	3472.38	3204.56	2922.94
30.0	4514.47	4502.96	4433.13	4305.75	4118.51	3886.76	3647.34	3373.38	3096.36
60.0	4476.10	4466.90	4397.83	4277.35	4080.91	3866.04	3617.41	3336.55	3060.30
90.0	4444.64	4443.11	4396.30	4275.05	4083.21	3853.76	3614.34	3337.32	3064.13
120.0	4422.39	4414.71	4347.19	4218.27	4014.91	3777.02	3529.93	3252.14	2985.09
150.0	4409.34	4397.83	4329.54	4202.92	4008.00	3780.86	3524.56	3254.44	2970.51
180.0	4398.60	4367.90	4278.89	4141.53	3932.80	3706.43	3438.61	3178.47	2898.38
210.0	4514.47	4470.73	4368.67	4199.85	3984.98	3745.56	3482.35	3215.31	2902.98
240.0	4476.10	4440.80	4339.51	4166.85	3958.89	3725.61	3455.49	3179.24	2886.87
270.0	4444.64	4398.60	4279.66	4092.42	3872.95	3619.71	3365.71	3087.92	2792.48
300.0	4422.39	4387.09	4285.79	4100.86	3883.69	3651.94	3384.90	3119.38	2836.22
330.0	4409.34	4370.97	4263.54	4084.74	3866.81	3632.76	3376.45	3105.57	2828.55
360.0	4398.60	4379.41	4295.00	4143.06	3944.31	3726.38	3472.38	3204.56	2922.94
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2646.68	2358.91	2081.89	1797.19	1542.43	1314.52	1098.88	918.55	758.17
30.0	2782.51	2491.67	2186.25	1910.00	1634.51	1384.35	1170.25	974.57	807.28
60.0	2751.04	2461.74	2163.23	1892.35	1574.66	1382.50	1172.24	975.26	807.59
90.0	2770.99	2469.42	2166.30	1888.51	1619.16	1371.30	1157.97	963.82	802.68
120.0	2685.05	2403.42	2112.59	1847.84	1530.45	1351.50	1145.08	950.93	784.72
150.0	2695.02	2400.35	2107.98	1842.47	1578.49	1349.05	1120.37	938.50	775.05
180.0	2618.29	2342.03	2054.27	1794.13	1530.61	1308.45	1099.57	922.31	761.70
210.0	2625.19	2327.45	2040.45	1766.50	1516.87	1286.28	1079.01	897.60	741.13
240.0	2605.24	2319.78	2041.99	1761.13	1514.03	1279.98	1071.26	900.90	745.12
270.0	2516.99	2222.32	1939.16	1657.53	1431.92	1197.72	1008.64	836.21	687.57
300.0	2557.66	2269.90	1994.41	1714.32	1468.76	1237.01	1040.56	864.07	711.36
330.0	2540.78	2249.18	1955.27	1701.27	1459.86	1234.32	1031.51	854.86	703.99
360.0	2646.68	2358.91	2081.89	1797.19	1542.43	1314.52	1098.88	918.55	758.17
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	631.55	522.58	428.96	370.57	305.95	264.74	238.27	219.09	203.82
30.0	669.92	558.65	461.96	389.06	331.81	288.07	257.53	238.04	222.46
60.0	670.30	557.96	459.35	383.30	321.76	275.56	243.64	223.23	202.74
90.0	656.11	544.07	445.08	388.29	312.32	265.97	232.90	206.19	185.40
120.0	648.20	538.70	443.08	369.80	309.48	264.90	233.90	213.71	195.37
150.0	640.76	534.09	441.24	389.06	316.54	274.80	245.33	227.53	213.94
180.0	628.63	522.97	431.27	361.82	303.57	265.74	238.96	221.62	206.35
210.0	622.03	515.29	429.19	361.13	310.79	272.80	249.93	233.44	217.78
240.0	620.81	513.37	422.82	353.22	303.88	263.59	237.35	218.86	199.98
270.0	575.23	473.01	389.29	326.75	281.01	243.49	218.63	198.21	180.10
300.0	592.41	488.05	402.11	337.34	290.07	252.54	228.14	209.34	192.46
330.0	588.35	486.13	400.65	340.33	292.22	258.15	234.59	217.32	202.82
360.0	631.55	522.58	428.96	370.57	305.95	264.74	238.27	219.09	203.82
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	191.15	179.87	169.05	158.39	148.26	136.90	126.31	116.33	105.13
30.0	206.35	193.30	180.03	167.67	156.93	145.72	133.60	121.32	108.58
60.0	186.09	171.82	157.24	142.89	129.15	115.34	100.68	85.26	70.52
90.0	168.36	153.86	139.66	127.38	113.88	100.91	87.86	73.51	63.23
120.0	179.49	165.75	151.63	137.74	124.31	110.96	97.23	83.18	69.75
150.0	199.29	185.86	173.04	161.15	149.25	138.66	127.08	115.87	103.44
180.0	193.61	182.18	170.51	159.15	148.03	137.36	126.62	116.03	105.67
210.0	204.05	190.62	177.95	165.52	154.09	142.19	130.30	118.25	104.36
240.0	184.63	169.82	156.01	141.96	128.92	114.19	99.68	84.72	69.52
270.0	164.83	151.48	137.67	124.78	111.50	97.38	83.11	69.60	58.47
300.0	178.57	165.22	151.56	138.13	125.70	111.81	97.61	83.80	68.22
330.0	190.62	178.34	166.29	155.93	145.49	134.44	123.24	112.04	98.99
360.0	191.15	179.87	169.05	158.39	148.26	136.90	126.31	116.33	105.13

测试设备: GMS1800  
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环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

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## 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	94.08	83.18	72.67	62.54	53.72	43.74	33.38	23.17	12.35
30.0	94.31	80.65	65.61	49.65	32.69	19.49	8.90	4.68	2.69
60.0	57.17	45.51	32.31	21.79	13.28	9.67	5.99	5.22	2.84
90.0	52.64	41.67	30.08	20.49	14.81	11.05	7.21	6.45	3.38
120.0	57.09	45.74	33.84	23.33	13.97	10.28	6.29	5.45	2.84
150.0	90.09	77.04	62.77	47.65	32.00	19.41	8.98	4.53	2.76
180.0	94.77	83.80	72.90	63.23	53.87	44.81	34.30	24.40	12.12
210.0	91.01	76.51	60.85	44.51	28.62	15.58	6.75	3.84	2.38
240.0	55.79	44.12	32.31	21.18	12.82	9.52	6.37	5.14	2.46
270.0	48.11	35.30	24.86	16.58	12.89	8.44	7.52	5.45	2.30
300.0	54.48	43.13	31.77	21.03	13.05	9.52	6.37	5.22	2.69
330.0	85.95	73.05	58.55	44.35	28.01	15.65	6.98	3.84	2.46
360.0	94.08	83.18	72.67	62.54	53.72	43.74	33.38	23.17	12.35
C/γ(°)	90.0								
0.0	0.31								
30.0	0.38								
60.0	0.31								
90.0	0.23								
120.0	0.23								
150.0	0.38								
180.0	0.23								
210.0	0.23								
240.0	0.15								
270.0	0.00								
300.0	0.08								
330.0	0.31								
360.0	0.31								