

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3443A-18-UN-RC-Y (5030-XL-18RGBWN-AJ, L1000, A, CT)

报告编号:

电压(V): 220.1000

测试编号: 20210410004

电流(A): 0.4510

光源规格型号: XL

功率(W): 95.9000

每个光源光通量(lm)

功率因数: 0.9650

光源数量: 18

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 60

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): 3535.84

灯具效能(lm/w): 36.87

中心光强(cd): 6566.437

最大光强(cd): 6742.166

最大光强角度:  $C=30.0$   $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=54.0

[C90/270]Total=28.8

光束扩散角(10%Imax): [C0/180]Total=86.7

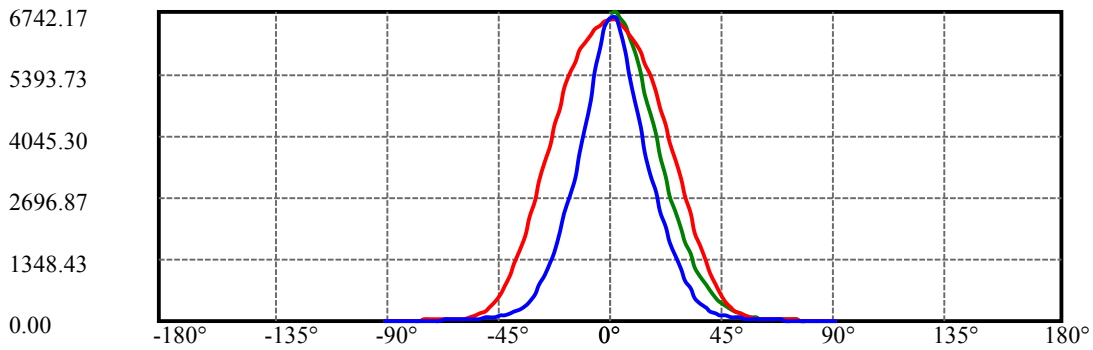
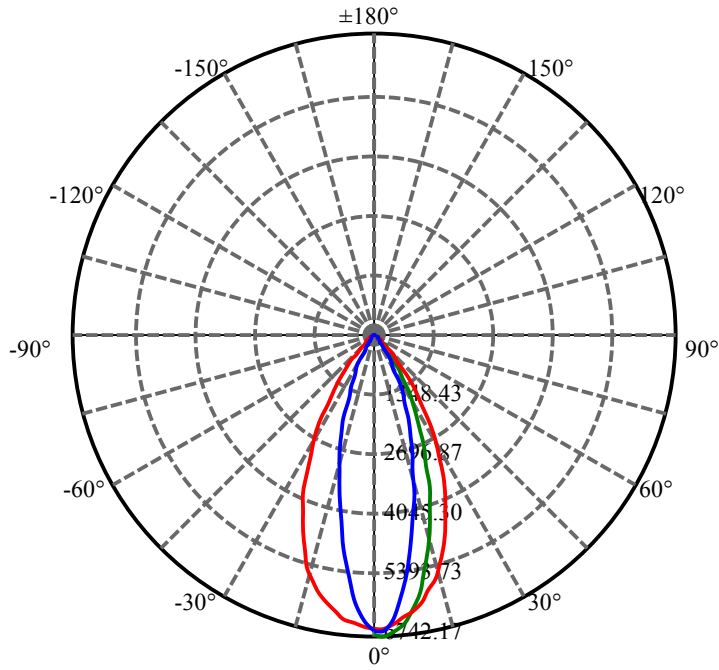
[C90/270]Total=61.8

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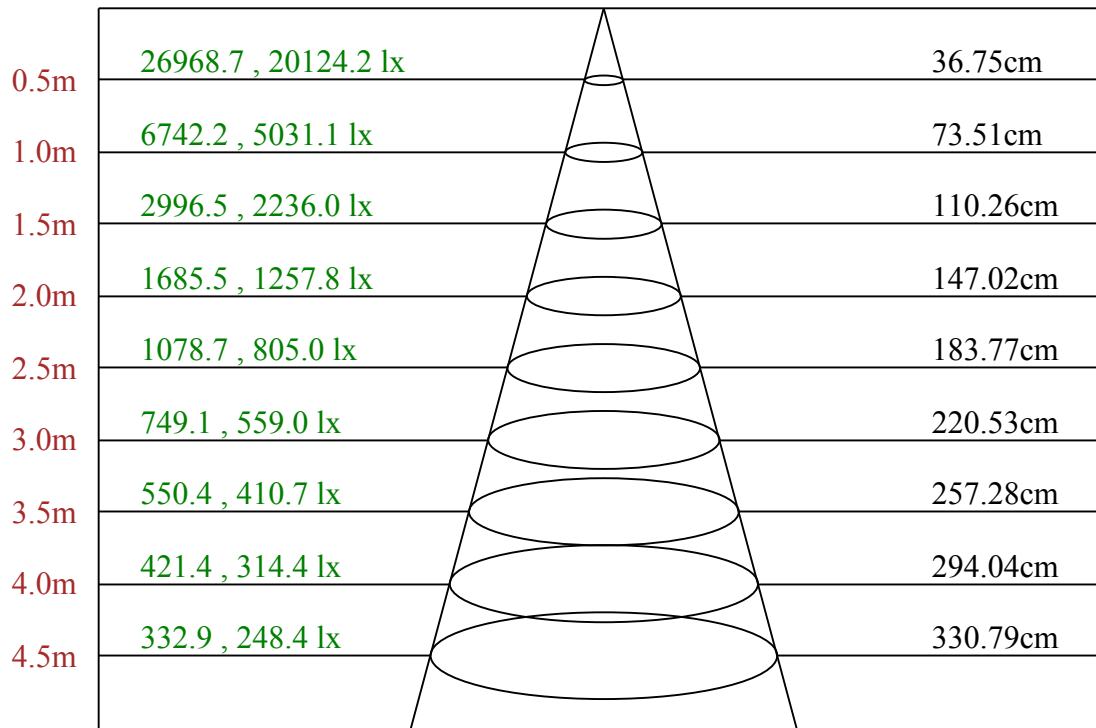
测试设备: GMS1800  
环境温度(°C): 25.0

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

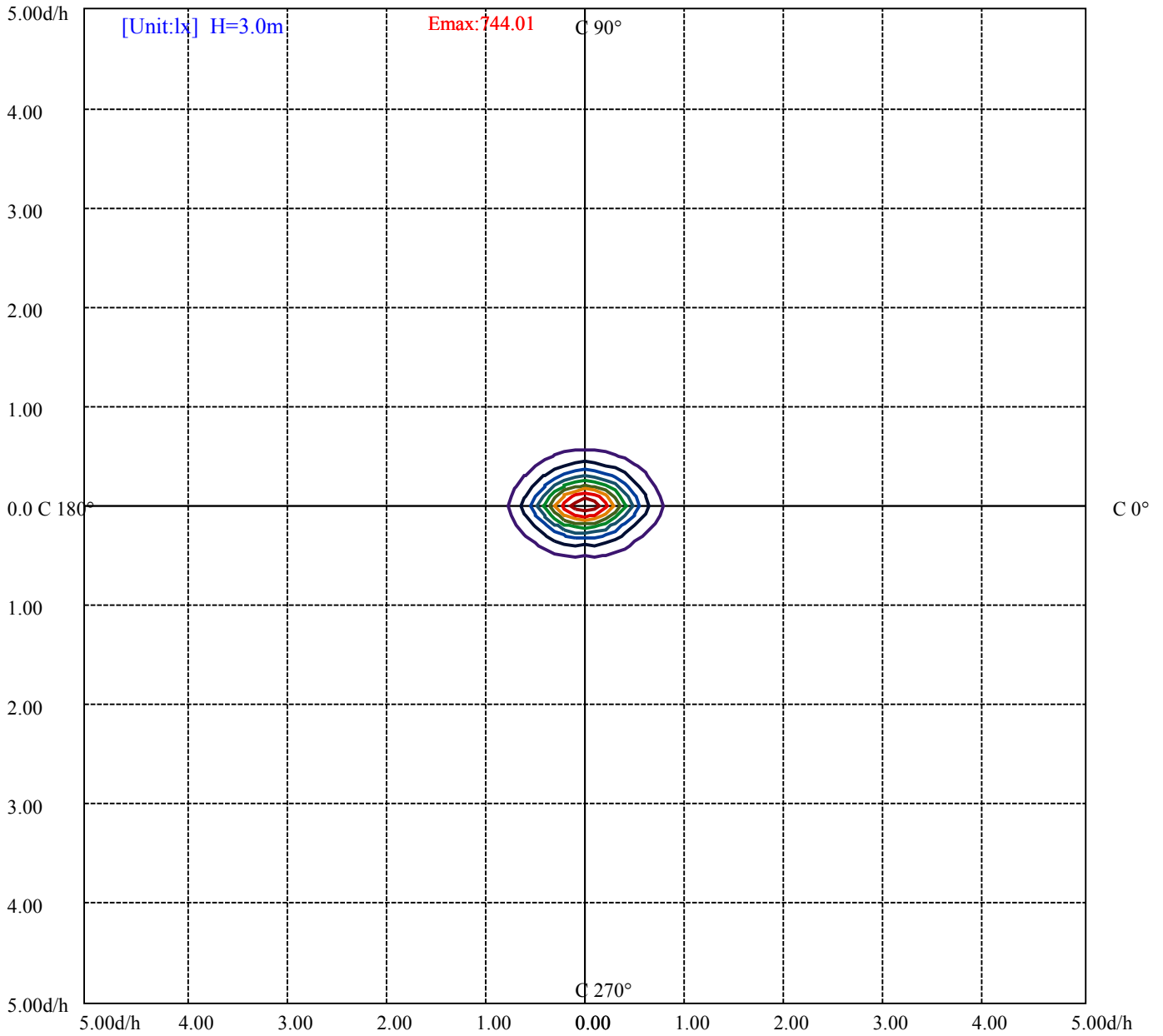


C30(Max): ———  
C0/C180: ———  
C90/C270: ———



Max , Ave    C30面光束角40.35

ROLED 投光灯  
平面等照度曲线



(10%Emax) 74.40134	——
(20%Emax) 148.8022	——
(30%Emax) 223.2044	——
(40%Emax) 297.6056	——
(50%Emax) 372.0067	——
(60%Emax) 446.4078	——
(70%Emax) 520.8088	——
(80%Emax) 595.21	——
(90%Emax) 669.6122	——

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

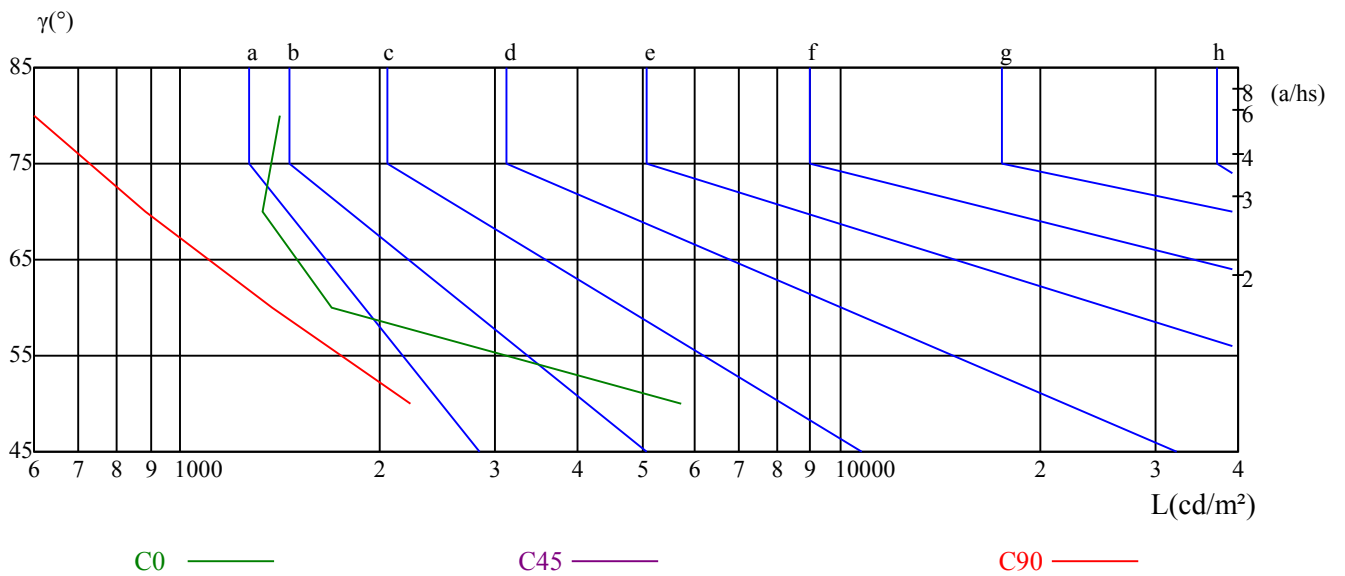
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5744	0	1699	0	1328	0	1413	0
C45	0	0	0	0	0	0	0	0	0
C90	0	2229	0	1378	0	885	0	338	0

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

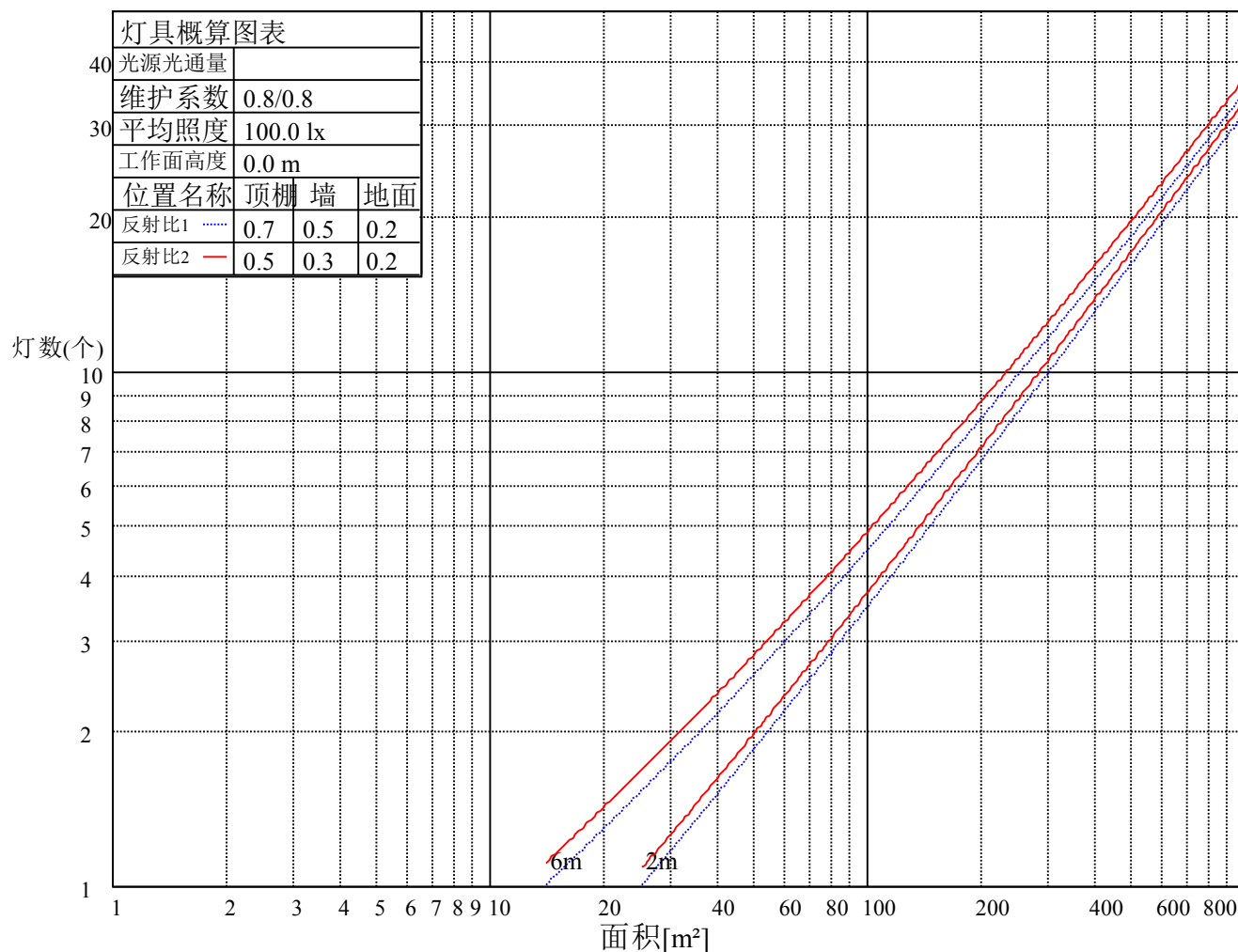
眩光等级表

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	2.45	3.46	2.82	3.78	4.09	3.99	5.00	4.35	5.31	5.62
	3H	3.07	3.96	3.46	4.29	4.66	4.76	5.65	5.14	5.98	6.35
	4H	3.16	3.98	3.56	4.33	4.72	5.18	6.00	5.59	6.35	6.74
	6H	3.12	3.87	3.54	4.25	4.64	5.54	6.29	5.96	6.67	7.06
	8H	3.08	3.78	3.52	4.18	4.59	5.67	6.38	6.11	6.77	7.18
	12H	3.04	3.71	3.47	4.09	4.52	5.86	6.53	6.29	6.91	7.34
4H	2H	2.66	3.48	3.07	3.83	4.22	4.02	4.84	4.43	5.19	5.58
	3H	3.43	4.09	3.84	4.50	4.91	5.03	5.70	5.45	6.11	6.51
	4H	3.54	4.14	3.98	4.56	5.01	5.61	6.20	6.05	6.63	7.07
	6H	3.53	4.04	4.00	4.49	4.96	6.01	6.52	6.48	6.97	7.44
	8H	3.48	3.95	3.96	4.40	4.88	6.18	6.66	6.66	7.11	7.58
	12H	3.43	3.84	3.93	4.33	4.81	6.39	6.79	6.88	7.28	7.76
8H	4H	3.68	4.15	4.15	4.60	5.08	5.60	6.07	6.08	6.52	7.00
	6H	3.68	4.05	4.19	4.56	5.04	6.08	6.45	6.59	6.96	7.44
	8H	3.64	3.97	4.17	4.49	4.99	6.30	6.63	6.83	7.15	7.65
	12H	4.29	4.58	4.81	5.08	5.66	6.88	7.17	7.41	7.67	8.25
12H	4H	3.67	4.08	4.16	4.56	5.04	5.54	5.95	6.03	6.44	6.92
	6H	3.95	4.01	4.22	4.49	5.04	6.30	6.36	6.56	6.83	7.38
	8H	3.66	3.95	4.18	4.45	5.03	6.27	6.56	6.79	7.06	7.64
对应照射距离，改变观察者位置S											
S = 1.0H		3.0/-3.4					4.2/-6.1				
S = 1.5H		5.0/-4.8					6.8/-7.1				
S = 2.0H		7.0/-4.9					8.7/-6.9				
标准表格		BK1					BK0				
更正系数		-6.4					-1.8				



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	1.03	1.00	0.96	1.02	0.98	0.95	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.88
3	0.97	0.92	0.88	0.95	0.91	0.87	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.83	0.82
4	0.91	0.86	0.82	0.90	0.85	0.81	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.77
5	0.86	0.80	0.76	0.85	0.79	0.76	0.83	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.72
6	0.81	0.75	0.71	0.80	0.75	0.71	0.79	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.68
7	0.76	0.71	0.67	0.76	0.70	0.67	0.75	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.64
8	0.73	0.67	0.63	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.61
9	0.69	0.63	0.60	0.69	0.63	0.60	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.58
10	0.66	0.60	0.57	0.65	0.60	0.57	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	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	6566.44	6576.41	6474.35	6362.31	6257.95	6066.11	5854.31	5619.49	5357.05
30.0	6719.91	6742.17	6614.78	6455.93	6201.93	5847.41	5399.26	4960.32	4508.33
60.0	6672.33	6654.68	6423.70	6014.69	5548.90	5008.66	4425.46	3886.76	3358.04
90.0	6628.59	6604.81	6369.22	5860.45	5377.00	4770.78	4229.01	3692.61	3189.21
120.0	6607.11	6573.34	6340.83	5881.17	5417.67	4906.60	4347.19	3826.14	3298.18
150.0	6580.25	6585.62	6440.59	6267.93	5990.14	5647.89	5234.27	4816.82	4352.56
180.0	6566.44	6537.28	6436.75	6376.13	6257.18	6074.55	5896.52	5660.17	5413.84
210.0	6719.91	6625.52	6406.82	6154.36	5828.22	5450.67	5004.83	4509.10	4025.65
240.0	6672.33	6521.93	6181.21	5759.92	5176.72	4570.49	3991.12	3507.68	3017.32
270.0	6628.59	6416.80	6001.65	5449.14	4831.40	4209.82	3644.27	3153.15	2728.79
300.0	6607.11	6485.86	6140.54	5714.65	5148.33	4582.00	3969.64	3453.19	2946.72
330.0	6580.25	6536.51	6319.34	6024.67	5727.69	5372.40	4891.25	4392.46	3889.83
360.0	6566.44	6576.41	6474.35	6362.31	6257.95	6066.11	5854.31	5619.49	5357.05
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4995.62	4638.79	4268.91	3884.46	3509.98	3107.87	2732.63	2336.66	1941.46
30.0	4079.37	3605.13	3135.50	2737.23	2370.42	2029.71	1724.29	1454.18	1190.20
60.0	2892.24	2469.42	2123.33	1819.45	1524.62	1334.70	1122.59	922.77	730.70
90.0	2786.34	2404.96	2042.75	1705.11	1427.32	1150.30	897.83	707.52	517.21
120.0	2855.41	2431.05	2096.47	1790.29	1519.48	1309.37	1094.66	874.58	683.04
150.0	3886.76	3403.31	2947.49	2552.29	2183.95	1854.75	1550.10	1287.66	1049.77
180.0	5047.80	4662.58	4255.10	3857.60	3463.94	3049.55	2652.05	2243.81	1863.96
210.0	3554.49	3115.55	2681.98	2311.34	1974.46	1681.32	1425.55	1192.04	976.18
240.0	2578.38	2223.86	1896.19	1613.79	1341.37	1111.93	893.99	679.90	522.58
270.0	2325.15	1962.95	1528.38	1288.58	1011.40	777.58	604.31	432.03	325.75
300.0	2516.23	2173.98	1848.61	1566.21	1299.17	1068.95	836.44	651.50	496.49
330.0	3419.43	2992.00	2568.41	2208.51	1893.88	1569.28	1357.33	1117.91	923.23
360.0	4995.62	4638.79	4268.91	3884.46	3509.98	3107.87	2732.63	2336.66	1941.46
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1613.79	1309.91	1035.19	798.84	609.30	433.57	305.34	217.09	155.16
30.0	976.87	798.84	652.27	522.58	415.92	330.51	255.00	202.82	166.75
60.0	573.08	438.17	336.88	257.22	197.45	153.24	122.63	99.22	82.42
90.0	390.59	283.47	220.93	177.49	145.72	120.32	99.99	84.26	70.68
120.0	538.01	407.63	309.64	233.90	178.34	139.36	114.42	94.46	79.81
150.0	869.44	711.36	578.60	469.63	389.83	303.42	239.65	195.60	165.14
180.0	1530.30	1261.26	995.90	770.75	586.35	420.83	304.26	222.08	154.40
210.0	806.28	670.30	543.15	438.48	347.24	273.42	219.78	186.70	143.35
240.0	393.66	305.72	233.74	181.94	145.34	118.56	97.69	83.49	76.43
270.0	250.93	201.74	163.68	135.75	113.34	93.85	79.04	66.68	57.17
300.0	390.59	289.07	219.85	169.90	135.90	111.58	92.62	79.19	68.91
330.0	763.31	627.87	508.23	413.46	327.44	256.38	197.60	155.78	128.77
360.0	1613.79	1309.91	1035.19	798.84	609.30	433.57	305.34	217.09	155.16
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	106.90	79.73	61.62	49.96	42.13	36.45	32.54	29.24	26.70
30.0	127.15	90.17	66.22	51.72	42.44	36.30	31.54	28.55	26.40
60.0	74.05	74.44	72.21	57.63	44.66	34.15	28.55	24.17	20.11
90.0	60.16	52.03	45.97	40.52	36.14	31.92	30.70	27.86	17.80
120.0	72.13	71.44	68.99	62.16	49.88	36.30	29.54	24.79	20.26
150.0	132.60	91.62	62.77	49.42	40.90	34.99	30.85	28.32	26.17
180.0	104.75	76.43	61.08	50.26	42.97	37.14	33.38	30.16	27.63
210.0	97.99	69.75	54.18	44.43	37.75	33.15	30.00	27.78	25.63
240.0	81.19	76.81	60.47	48.42	37.60	31.62	26.70	22.25	18.26
270.0	49.57	43.43	38.60	34.69	32.00	31.00	25.55	16.81	13.74
300.0	63.54	63.23	63.54	55.56	39.98	31.54	26.17	21.64	17.27
330.0	99.07	66.92	49.80	40.98	34.53	30.00	27.24	25.09	23.56
360.0	106.90	79.73	61.62	49.96	42.13	36.45	32.54	29.24	26.70

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

# 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	24.17	22.02	19.34	16.88	14.43	11.59	8.67	5.22	1.69
30.0	24.63	22.18	19.72	16.96	10.44	6.83	3.30	0.84	0.46
60.0	16.42	11.43	8.52	6.29	4.14	1.92	1.00	0.77	0.61
90.0	13.74	10.90	8.29	5.68	3.45	1.69	1.30	1.07	0.92
120.0	15.81	11.05	8.52	6.45	4.14	1.92	1.00	0.77	0.61
150.0	23.87	21.72	19.34	15.65	10.21	6.60	3.07	0.77	0.38
180.0	24.86	22.33	19.49	16.73	14.12	11.51	8.59	5.06	1.69
210.0	23.56	21.18	18.42	12.20	8.29	4.68	1.69	0.61	0.38
240.0	12.51	9.75	7.29	4.91	2.46	1.23	1.00	0.84	0.38
270.0	10.82	7.98	5.29	2.92	1.61	1.46	1.15	0.84	0.31
300.0	12.28	9.44	7.06	4.76	2.38	1.07	0.92	0.77	0.31
330.0	22.18	20.41	17.80	11.74	8.06	4.30	1.53	0.61	0.38
360.0	24.17	22.02	19.34	16.88	14.43	11.59	8.67	5.22	1.69
C/γ(°)	90.0								
0.0	0.08								
30.0	0.15								
60.0	0.23								
90.0	0.38								
120.0	0.31								
150.0	0.23								
180.0	0.00								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.08								
330.0	0.00								
360.0	0.08								