

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: F1214A1-18-36DC-RC-Y(30-CL-18RGBWN-AJ, CT)

报告编号:

电压(V): 35.4000

测试编号: 20210417005

电流(A): 0.9030

光源规格型号: CL

功率(W): 32.0000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 18

镇流器型号:

发光面长度(mm): 162

发光面宽度(mm): 162

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): 1650.24

灯具效能(lm/w): 51.57

中心光强(cd): 3389.500

最大光强(cd): 3426.334

最大光强角度: C=30.0  $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=31.2

[C90/270]Total=31.1

光束扩散角(10%Imax): [C0/180]Total=71.6

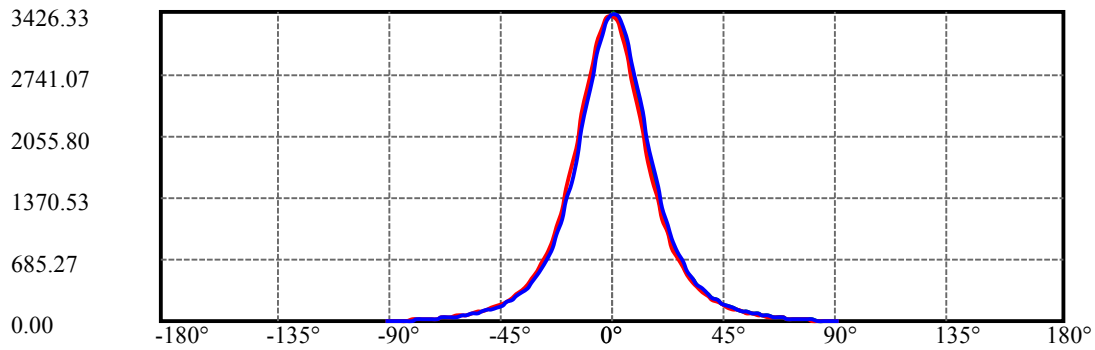
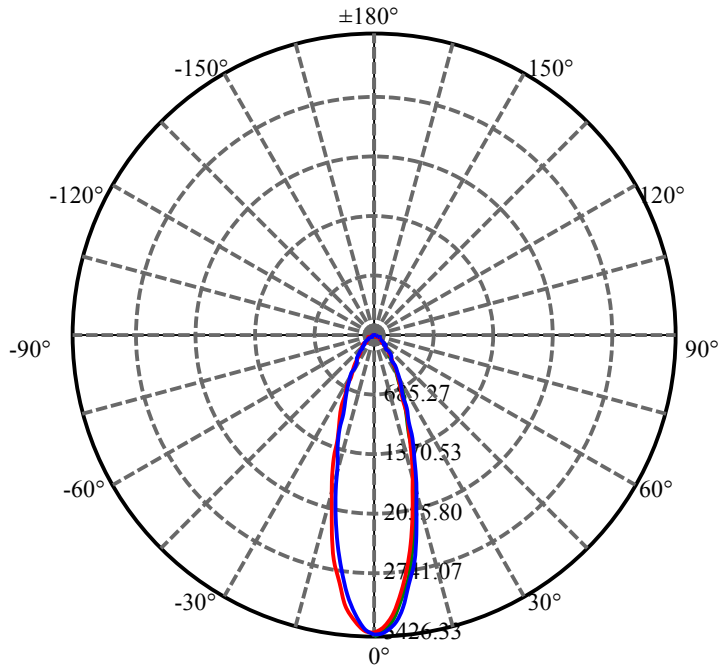
[C90/270]Total=71.5

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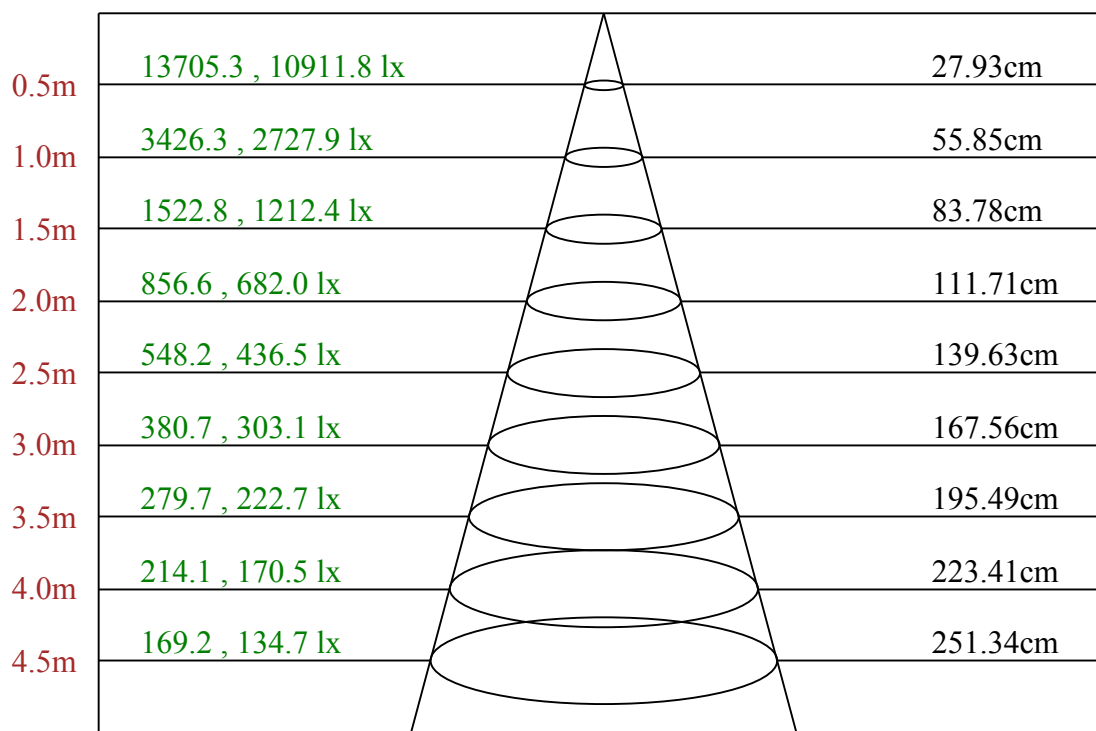
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/17  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

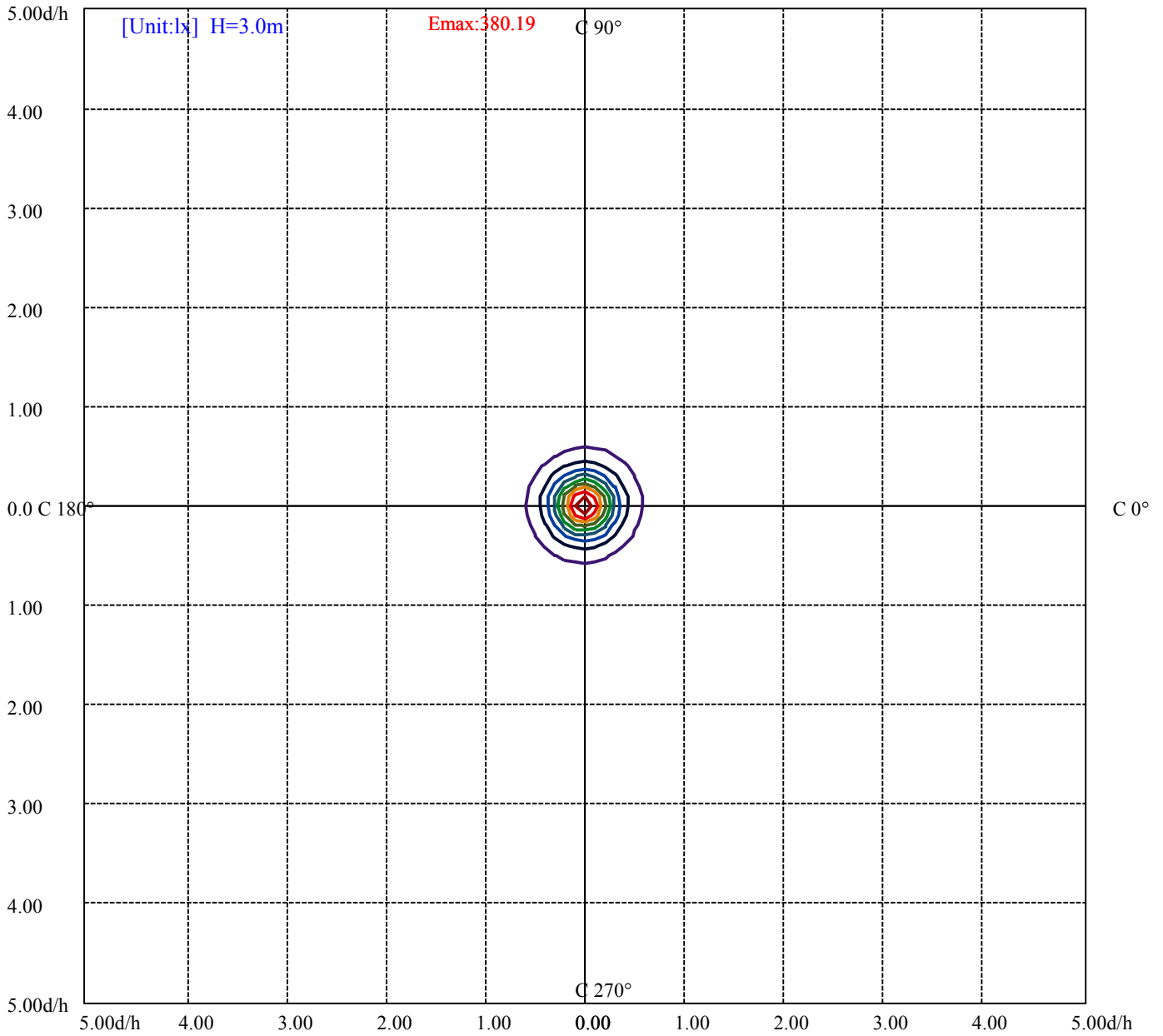


C30(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave    C30面光束角31.21

ROLED 投光灯  
平面等照度曲线



(10%Emax) 38.01911	——
(20%Emax) 76.03833	——
(30%Emax) 114.0578	——
(40%Emax) 152.0767	——
(50%Emax) 190.0956	——
(60%Emax) 228.1144	——
(70%Emax) 266.1344	——
(80%Emax) 304.1533	——
(90%Emax) 342.1722	——

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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

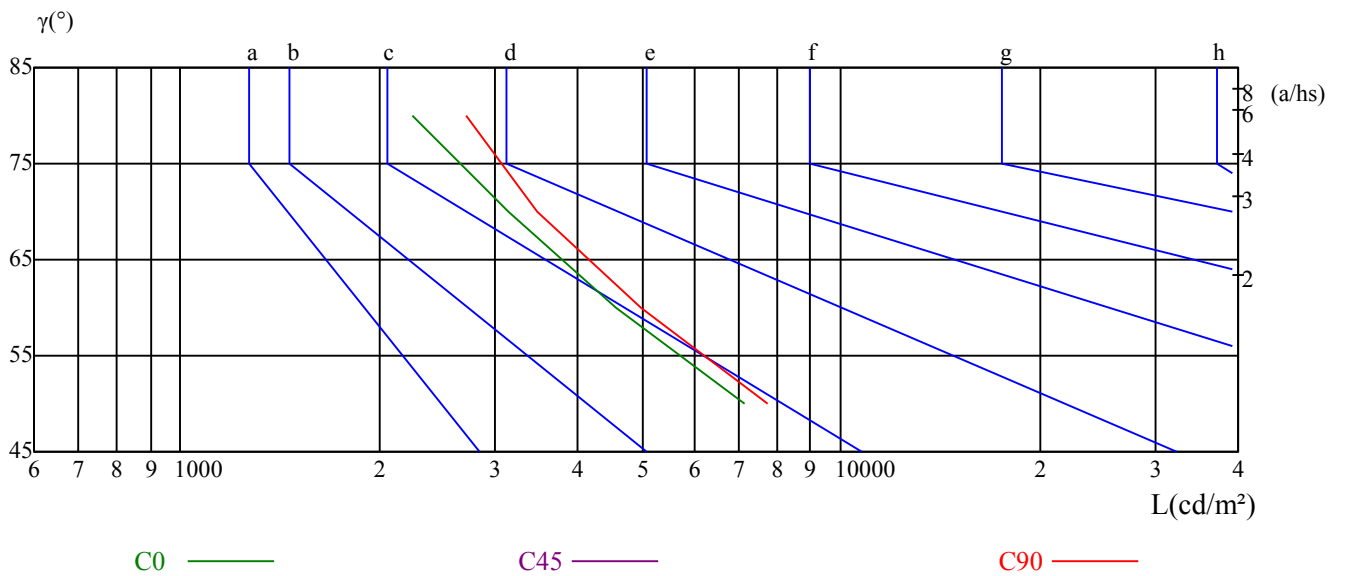
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	7146	0	4567	0	3138	0	2240	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7770	0	4988	0	3471	0	2711	0

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

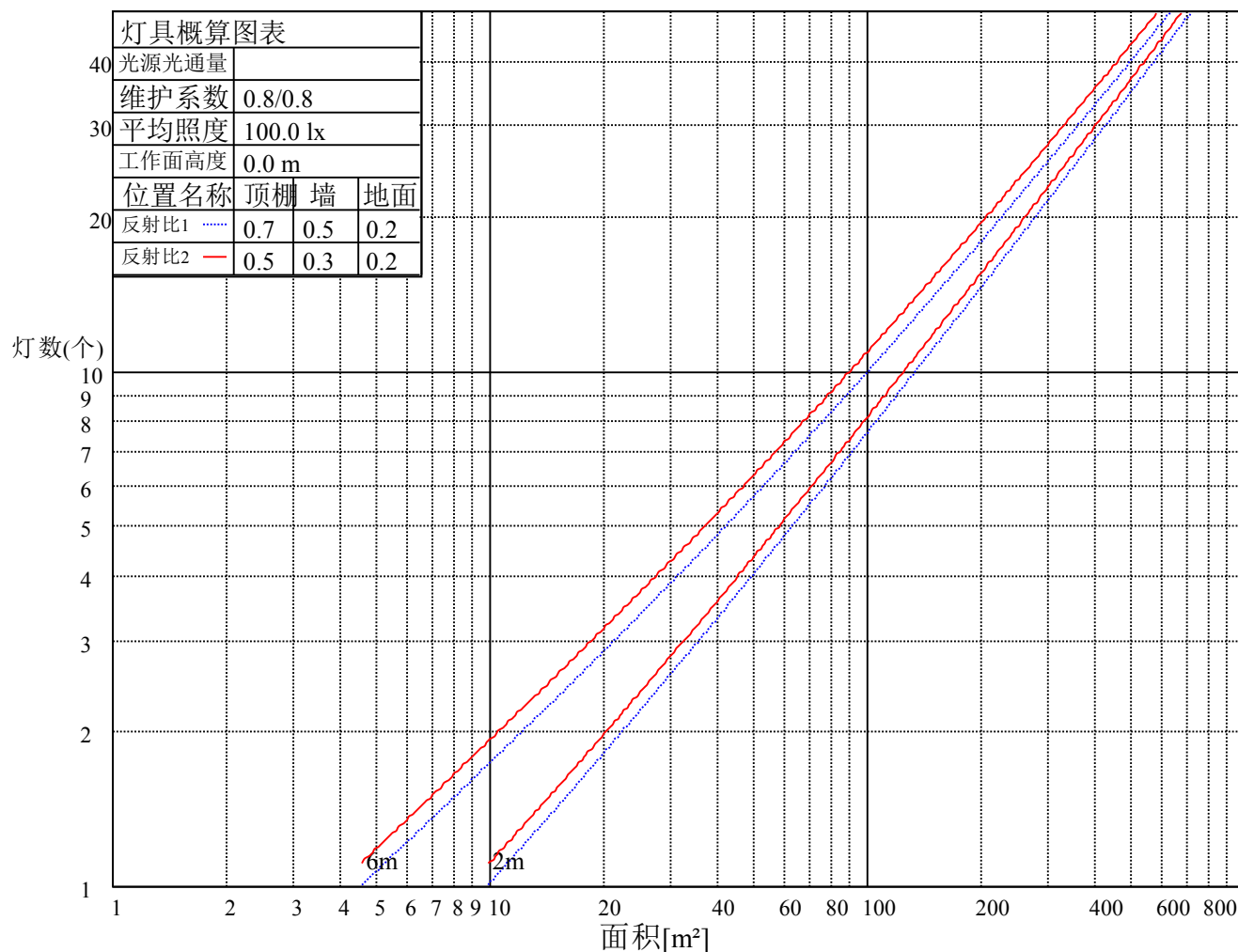
亮度限制曲线



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	12.42	13.54	12.78	13.85	14.17	12.41	13.54	12.78	13.85	14.17
	3H	13.37	14.36	13.75	14.69	15.06	13.36	14.36	13.75	14.69	15.06
	4H	13.69	14.62	14.10	14.97	15.36	13.68	14.61	14.09	14.96	15.35
	6H	13.92	14.76	14.34	15.14	15.53	13.90	14.74	14.32	15.12	15.51
	8H	13.98	14.77	14.41	15.17	15.57	13.95	14.75	14.39	15.14	15.55
	12H	14.05	14.81	14.48	15.19	15.62	14.02	14.78	14.45	15.16	15.59
4H	2H	12.68	13.60	13.09	13.96	14.34	12.68	13.60	13.08	13.95	14.34
	3H	13.81	14.57	14.23	14.97	15.38	13.82	14.57	14.23	14.98	15.38
	4H	14.23	14.90	14.67	15.33	15.77	14.23	14.91	14.67	15.33	15.78
	6H	14.50	15.07	14.96	15.52	15.99	14.49	15.07	14.96	15.52	15.99
	8H	14.59	15.13	15.06	15.58	16.05	14.58	15.12	15.05	15.56	16.04
	12H	14.67	15.14	15.16	15.63	16.11	14.66	15.13	15.15	15.61	16.09
8H	4H	14.33	14.87	14.80	15.32	15.79	14.33	14.87	14.81	15.32	15.79
	6H	14.69	15.12	15.20	15.62	16.11	14.69	15.12	15.19	15.62	16.10
	8H	14.84	15.22	15.37	15.74	16.24	14.83	15.21	15.36	15.73	16.23
	12H	15.49	15.82	16.01	16.32	16.90	15.48	15.81	16.00	16.31	16.89
12H	4H	14.31	14.78	14.80	15.27	15.74	14.31	14.78	14.80	15.27	15.74
	6H	15.09	15.08	15.23	15.55	16.10	15.08	15.08	15.22	15.55	16.09
	8H	14.88	15.21	15.40	15.71	16.29	14.87	15.21	15.39	15.70	16.28
对应照射距离，改变观察者位置S											
S = 1.0H	1.0/-1.3					0.9/-1.3					
S = 1.5H	2.0/-2.0					1.9/-2.1					
S = 2.0H	4.0/-2.4					3.9/-2.6					
标准表格	BK2					BK2					
更正系数	-0.4					-0.7					

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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	1.10	1.07	1.05	1.08	1.06	1.03	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.95	0.94	0.93
2	1.02	0.98	0.94	1.00	0.96	0.93	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.85
3	0.95	0.90	0.85	0.93	0.89	0.85	0.91	0.87	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.79
4	0.89	0.83	0.78	0.87	0.82	0.78	0.85	0.81	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.74
5	0.83	0.77	0.73	0.82	0.76	0.72	0.80	0.75	0.72	0.79	0.74	0.71	0.77	0.73	0.70	0.69
6	0.78	0.72	0.68	0.77	0.72	0.68	0.76	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.65
7	0.74	0.68	0.64	0.73	0.67	0.63	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.62	0.61
8	0.70	0.64	0.60	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.58
9	0.67	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.56	0.63	0.59	0.56	0.55
10	0.63	0.58	0.54	0.63	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.56	0.53	0.52



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	3389.50	3318.13	3170.80	2946.72	2687.35	2409.56	2107.21	1827.12	1561.61
30.0	3426.33	3372.62	3233.72	3022.69	2774.83	2464.81	2180.88	1889.28	1629.91
60.0	3417.13	3372.62	3226.05	3031.14	2767.16	2487.83	2193.93	1900.02	1641.42
90.0	3407.15	3393.34	3288.97	3110.94	2870.75	2606.01	2309.80	2013.59	1741.94
120.0	3403.31	3387.20	3288.21	3115.55	2874.59	2609.08	2315.94	2012.83	1726.60
150.0	3389.50	3393.34	3308.93	3147.01	2920.63	2644.38	2365.05	2063.47	1784.92
180.0	3389.50	3372.62	3259.05	3088.69	2846.96	2582.99	2291.38	1989.81	1719.69
210.0	3426.33	3385.66	3262.88	3064.90	2813.97	2519.30	2234.60	1936.86	1648.32
240.0	3417.13	3370.32	3246.77	3041.88	2792.48	2518.53	2210.81	1921.51	1638.35
270.0	3407.15	3330.41	3180.77	2963.61	2698.86	2417.23	2117.96	1829.42	1530.76
300.0	3403.31	3329.64	3175.40	2966.68	2708.07	2427.98	2120.26	1834.80	1560.84
330.0	3389.50	3298.95	3137.03	2913.73	2642.84	2358.91	2062.71	1778.01	1518.56
360.0	3389.50	3318.13	3170.80	2946.72	2687.35	2409.56	2107.21	1827.12	1561.61
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1336.77	1137.25	969.20	818.02	697.54	591.65	504.93	435.87	387.52
30.0	1388.95	1177.92	1005.26	851.79	725.17	620.04	536.40	460.43	399.04
60.0	1409.82	1193.96	1010.33	864.91	734.76	632.24	542.53	466.33	402.03
90.0	1487.94	1262.33	1065.89	910.11	771.21	653.80	560.95	478.08	412.08
120.0	1491.01	1255.89	1053.38	891.00	745.58	632.09	534.09	451.83	383.92
150.0	1518.64	1280.75	1072.79	908.57	760.47	637.69	544.07	460.43	392.90
180.0	1473.36	1242.77	1045.86	889.85	749.96	639.99	544.91	464.19	396.35
210.0	1416.12	1193.58	1009.87	853.71	724.25	616.28	529.34	458.35	394.05
240.0	1397.39	1182.53	1003.73	844.88	719.80	612.37	524.12	453.52	390.59
270.0	1341.14	1133.80	960.60	813.03	688.95	583.36	502.17	429.04	366.12
300.0	1328.33	1121.90	939.27	793.47	668.38	562.49	475.77	409.01	349.16
330.0	1297.25	1093.74	923.54	777.58	655.34	551.97	472.63	402.11	342.48
360.0	1336.77	1137.25	969.20	818.02	697.54	591.65	504.93	435.87	387.52
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	323.30	279.02	240.11	207.65	182.10	157.77	137.21	120.55	104.67
30.0	347.08	300.12	259.76	227.45	197.68	171.97	150.94	131.45	114.26
60.0	347.62	302.42	262.06	229.14	199.13	173.35	151.17	132.53	115.26
90.0	351.69	304.88	262.29	228.45	197.91	171.66	150.41	131.07	114.11
120.0	330.82	283.70	244.18	213.02	184.94	161.07	140.74	123.62	107.66
150.0	335.34	289.68	249.09	217.17	188.39	163.76	144.11	125.85	109.73
180.0	340.25	294.90	254.00	221.31	192.00	166.90	145.42	127.54	111.19
210.0	343.86	297.59	257.22	225.46	196.22	170.74	149.25	130.91	113.80
240.0	340.95	295.44	255.46	221.77	194.53	169.05	147.41	129.69	112.65
270.0	317.54	273.65	237.12	205.73	178.57	154.86	135.13	118.71	103.06
300.0	301.35	259.99	223.77	193.76	170.13	147.95	129.00	113.49	98.68
330.0	296.36	254.92	221.23	192.15	167.06	145.34	127.84	111.42	96.92
360.0	323.30	279.02	240.11	207.65	182.10	157.77	137.21	120.55	104.67
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	91.09	79.35	69.14	59.93	52.18	44.66	38.06	32.69	28.16
30.0	100.07	86.79	75.28	65.15	56.56	48.34	41.44	35.22	30.00
60.0	100.83	87.63	76.05	65.92	56.86	48.88	41.67	35.68	30.31
90.0	99.30	87.10	75.51	65.46	57.02	49.19	42.44	36.07	31.16
120.0	93.85	82.42	71.75	62.92	54.79	47.19	40.44	34.61	29.77
150.0	95.77	84.18	73.28	63.92	55.94	48.34	41.90	35.61	30.77
180.0	97.15	85.18	74.21	64.54	55.79	48.42	41.52	35.45	30.54
210.0	100.07	86.94	75.43	65.61	57.17	48.96	41.98	36.07	30.77
240.0	97.99	85.49	74.67	64.69	56.56	48.27	41.05	34.99	29.85
270.0	90.47	78.73	68.22	59.32	51.57	44.28	37.99	32.84	28.09
300.0	85.95	75.20	65.76	57.17	49.96	42.67	36.53	31.46	26.63
330.0	85.18	74.13	64.46	56.25	48.88	41.90	36.07	31.16	26.70
360.0	91.09	79.35	69.14	59.93	52.18	44.66	38.06	32.69	28.16

# 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	23.87	19.88	16.35	13.20	10.21	7.37	4.45	2.00	0.15
30.0	25.48	21.41	17.50	14.04	11.20	8.13	5.14	2.53	0.31
60.0	25.71	21.49	17.57	14.35	11.20	8.36	5.45	2.84	0.38
90.0	26.70	22.64	18.72	15.19	12.35	9.29	6.29	3.68	1.07
120.0	25.48	21.72	17.96	14.66	11.66	8.98	6.37	3.61	1.15
150.0	26.40	22.56	18.65	15.27	12.43	9.44	6.68	3.99	1.53
180.0	26.24	22.10	18.19	14.96	11.89	9.13	6.37	3.76	1.23
210.0	26.24	21.95	18.03	14.66	11.51	8.67	5.68	3.07	0.69
240.0	25.40	21.33	17.65	14.35	11.43	8.52	5.45	2.92	0.46
270.0	24.10	19.88	16.42	13.35	10.51	7.52	4.76	2.38	0.23
300.0	22.87	19.11	15.81	12.74	10.05	7.21	4.37	2.07	0.23
330.0	22.94	18.80	15.50	12.43	9.67	6.75	4.07	1.61	0.15
360.0	23.87	19.88	16.35	13.20	10.21	7.37	4.45	2.00	0.15

C/γ(°)	90.0
0.0	0.00
30.0	0.00
60.0	0.08
90.0	0.00
120.0	0.08
150.0	0.08
180.0	0.08
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.00
360.0	0.00