

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3653A1-36-36DC-PC-A3(4525-CL-36RGBWN-AA, L1000mm, C, CT)

报告编号:

电压(V): 36.3000

测试编号: 202104070012

电流(A): 1.6820

光源规格型号: CL

功率(W): 61.1000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 36

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 30

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): 2774.92

灯具效能(lm/w): 45.42

中心光强(cd): 5430.720

最大光强(cd): 5515.132

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=38.2

[C90/270]Total=27.9

光束扩散角(10%Imax): [C0/180]Total=78.5

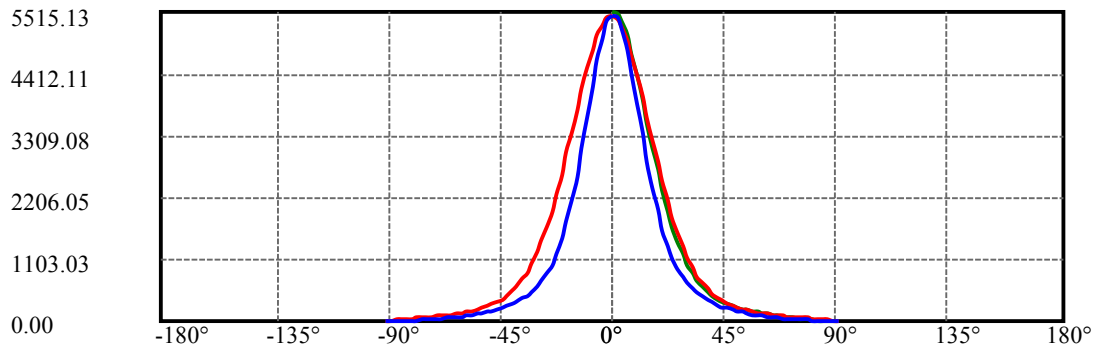
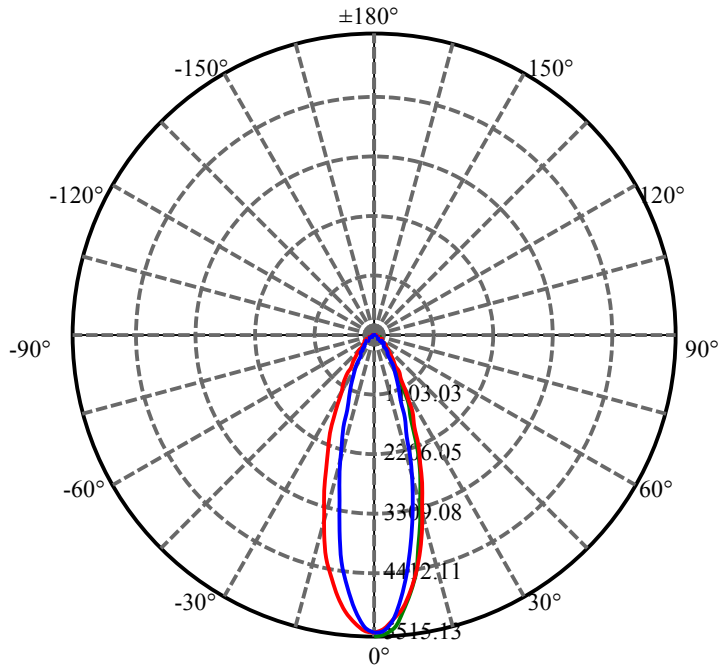
[C90/270]Total=64.4

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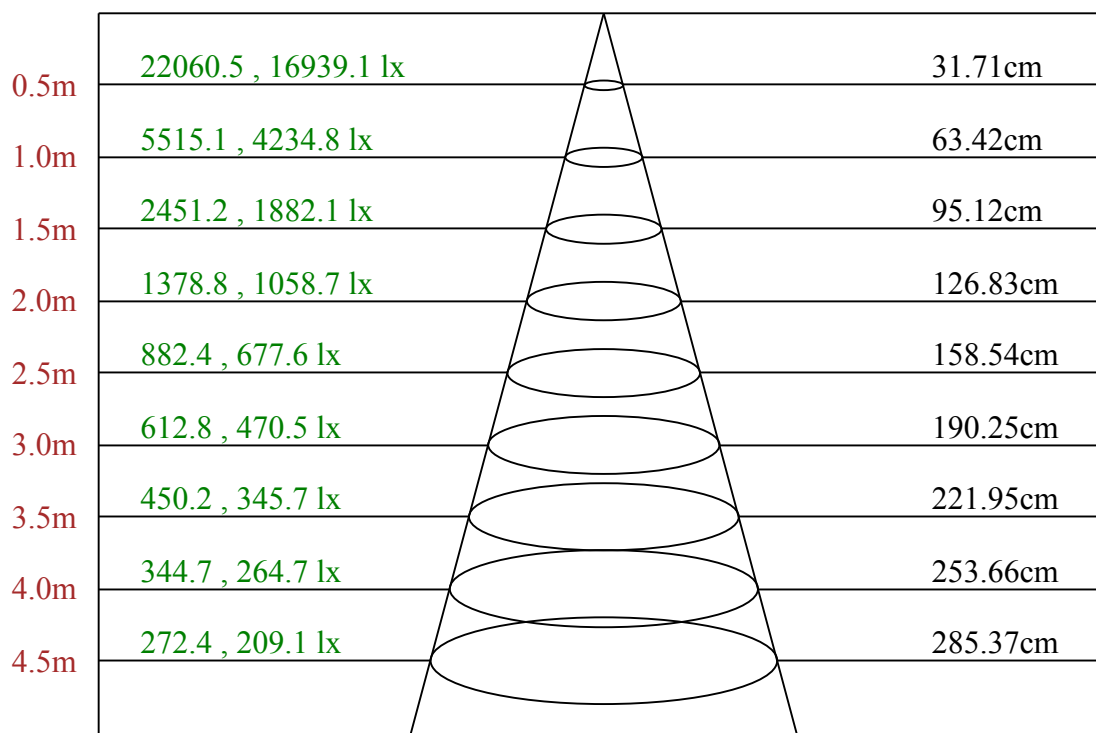
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/7  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

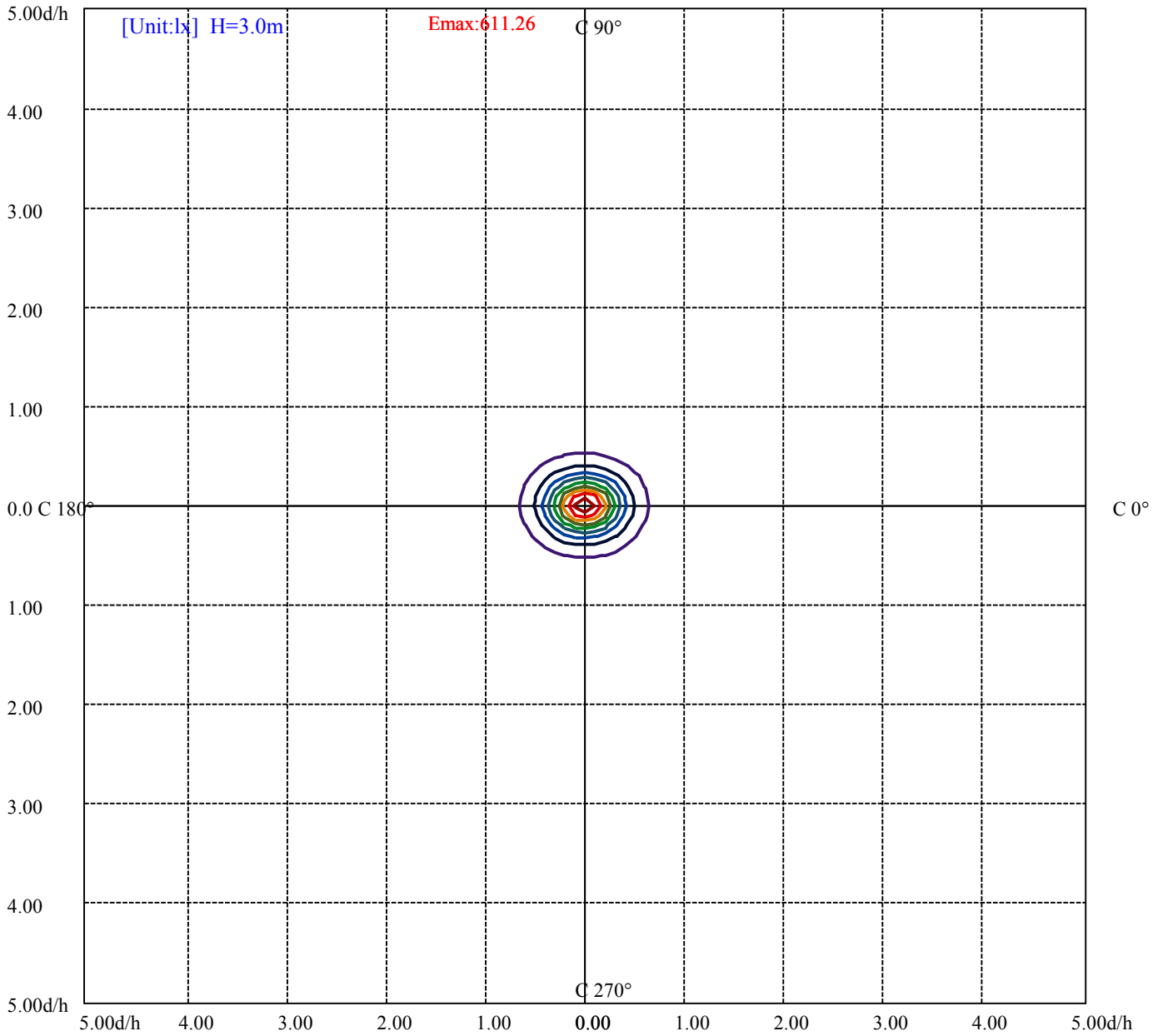


C30(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave    C30面光束角35.18

ROLED 投光灯  
平面等照度曲线



(10%Emax) 61.12566	——
(20%Emax) 122.2511	——
(30%Emax) 183.3767	——
(40%Emax) 244.5022	——
(50%Emax) 305.6289	——
(60%Emax) 366.7545	——
(70%Emax) 427.88	——
(80%Emax) 489.0055	——
(90%Emax) 550.1311	——

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

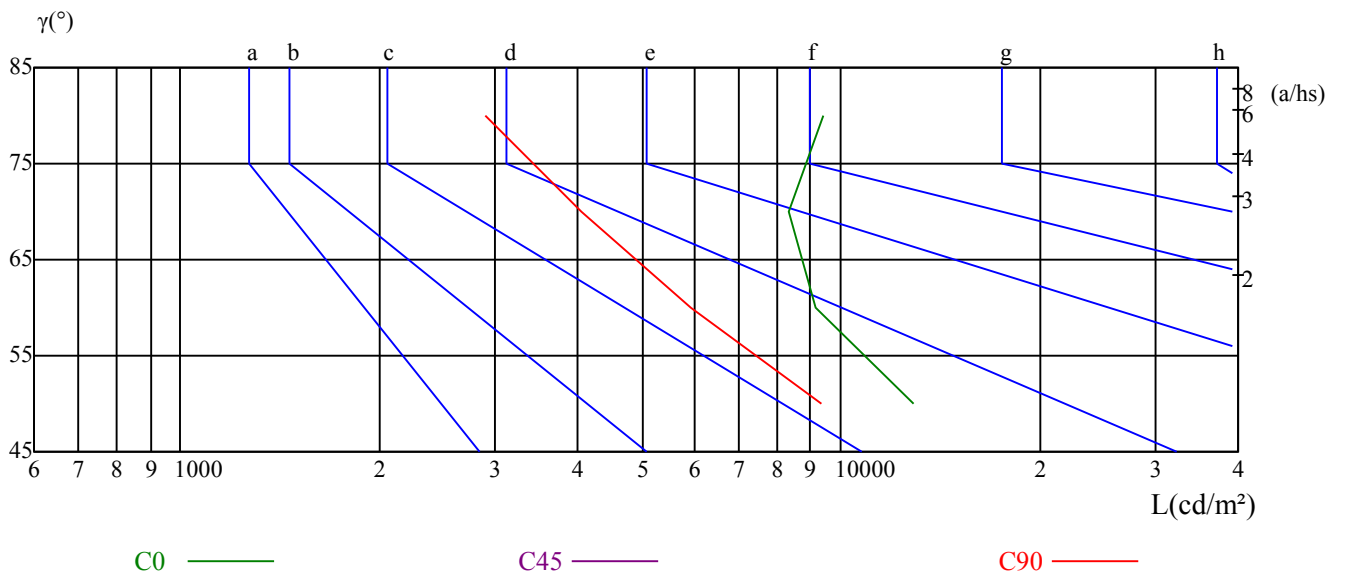
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	12921	0	9182	0	8334	0	9440	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9344	0	5920	0	4037	0	2901	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
27252	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	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		a	b	c	d	e	f	g	h

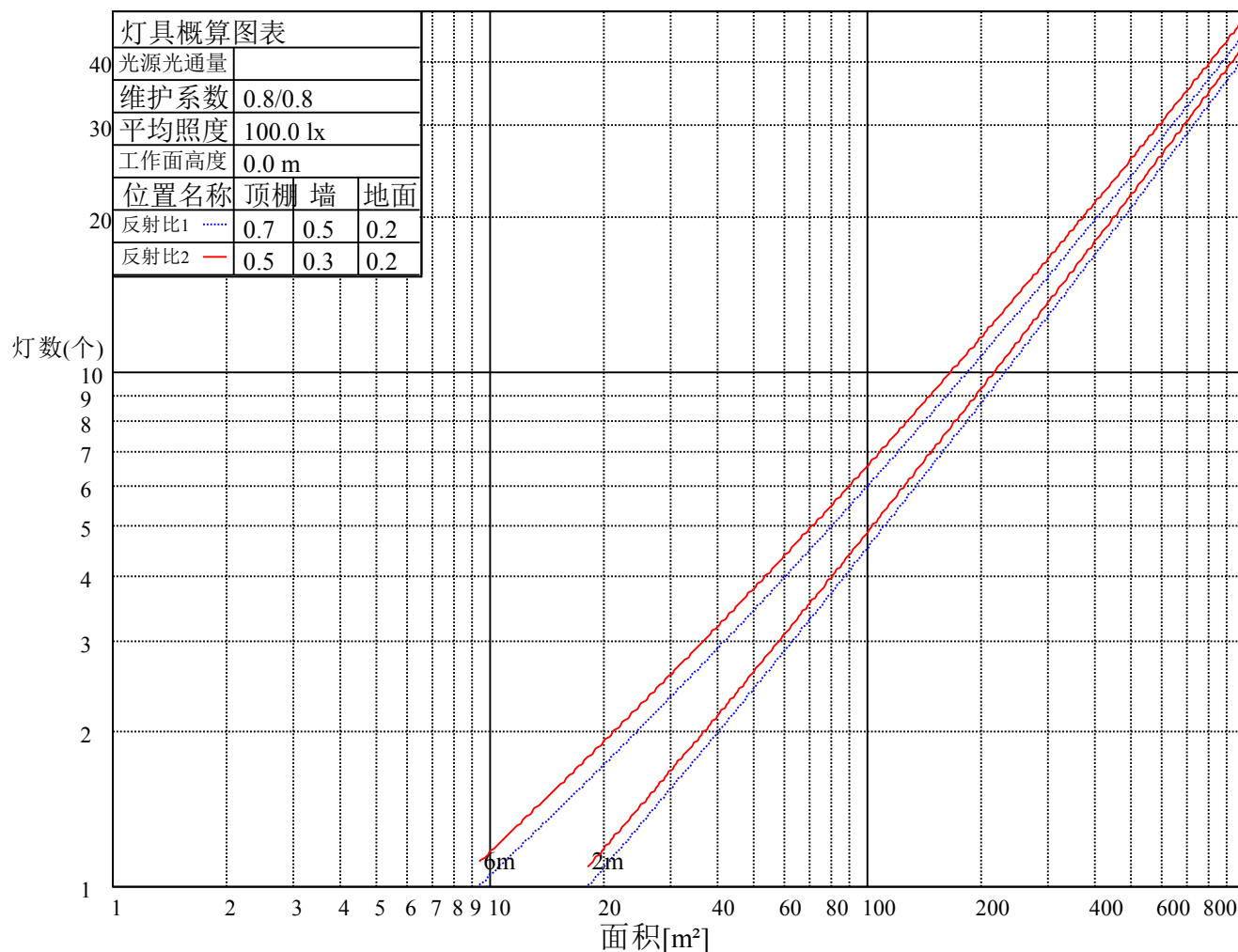
亮度限制曲线



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	11.38	12.52	11.74	12.83	13.15	13.55	14.70	13.92	15.01	15.33
	3H	12.20	13.21	12.58	13.54	13.91	14.98	15.99	15.36	16.33	16.69
	4H	12.41	13.35	12.82	13.71	14.09	15.62	16.57	16.03	16.92	17.30
	6H	12.54	13.41	12.96	13.78	14.17	16.24	17.10	16.65	17.47	17.87
	8H	12.59	13.40	13.02	13.80	14.20	16.51	17.32	16.94	17.71	18.12
	12H	12.69	13.47	13.12	13.85	14.28	16.91	17.69	17.35	18.07	18.50
4H	2H	11.91	12.86	12.32	13.21	13.60	13.74	14.68	14.14	15.03	15.42
	3H	12.87	13.64	13.28	14.05	14.45	15.37	16.14	15.78	16.55	16.95
	4H	13.14	13.83	13.58	14.25	14.70	16.10	16.79	16.54	17.21	17.66
	6H	13.29	13.88	13.75	14.33	14.80	16.72	17.31	17.19	17.76	18.23
	8H	13.35	13.90	13.82	14.35	14.82	17.05	17.60	17.52	18.05	18.53
	12H	13.46	13.95	13.95	14.43	14.91	17.49	17.98	17.98	18.46	18.94
8H	4H	13.36	13.92	13.84	14.37	14.84	16.09	16.64	16.56	17.09	17.56
	6H	13.55	14.00	14.06	14.50	14.98	16.75	17.20	17.26	17.70	18.18
	8H	13.65	14.05	14.18	14.57	15.07	17.13	17.53	17.66	18.05	18.54
	12H	14.34	14.69	14.86	15.19	15.76	18.06	18.41	18.58	18.90	19.48
12H	4H	13.37	13.85	13.86	14.34	14.81	16.04	16.53	16.53	17.01	17.49
	6H	14.00	13.97	14.11	14.44	14.99	17.13	17.11	17.24	17.58	18.13
	8H	13.71	14.06	14.23	14.55	15.13	17.11	17.46	17.63	17.96	18.53
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-1.2					0.9/-0.9					
S = 1.5H	1.4/-2.1					1.7/-1.4					
S = 2.0H	3.4/-2.6					3.2/-1.3					
标准表格	BK3					BK2					
更正系数	0.7					2.6					

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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	1.05	1.03	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.92
2	1.02	0.97	0.93	1.00	0.96	0.92	0.97	0.93	0.90	0.93	0.91	0.88	0.91	0.89	0.87	0.85
3	0.94	0.89	0.85	0.93	0.88	0.84	0.90	0.86	0.83	0.88	0.84	0.81	0.85	0.83	0.80	0.78
4	0.88	0.82	0.78	0.87	0.81	0.77	0.85	0.80	0.76	0.83	0.79	0.75	0.81	0.77	0.75	0.73
5	0.82	0.76	0.72	0.81	0.76	0.72	0.80	0.75	0.71	0.78	0.74	0.70	0.76	0.73	0.70	0.68
6	0.78	0.71	0.67	0.77	0.71	0.67	0.75	0.70	0.66	0.74	0.69	0.66	0.72	0.69	0.65	0.64
7	0.73	0.67	0.63	0.73	0.67	0.63	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.60
8	0.69	0.63	0.59	0.69	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.61	0.58	0.57
9	0.66	0.60	0.56	0.65	0.60	0.56	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.58	0.55	0.54
10	0.63	0.57	0.53	0.62	0.57	0.53	0.62	0.56	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.51



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光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	5430.72	5374.70	5224.30	5008.66	4720.90	4391.69	4014.91	3625.85	3222.98
30.0	5515.13	5479.83	5340.17	5091.54	4764.64	4370.21	3944.31	3529.16	3090.22
60.0	5487.51	5416.14	5209.72	4872.84	4459.99	3966.57	3463.94	2962.07	2517.76
90.0	5460.65	5415.37	5214.32	4841.38	4407.04	3881.39	3368.78	2850.03	2369.66
120.0	5446.83	5383.14	5185.93	4863.63	4440.80	3983.45	3487.72	3016.56	2549.22
150.0	5433.79	5411.54	5279.55	5051.64	4761.57	4387.86	3998.03	3571.37	3140.10
180.0	5430.72	5397.72	5285.69	5093.84	4826.80	4519.08	4161.48	3770.12	3368.01
210.0	5515.13	5443.77	5262.66	4995.62	4667.95	4264.31	3839.95	3397.17	2985.09
240.0	5487.51	5403.86	5170.58	4836.00	4405.51	3905.94	3422.50	2932.14	2462.51
270.0	5460.65	5339.40	5050.87	4643.39	4169.92	3625.85	3094.83	2583.75	2150.19
300.0	5446.83	5356.28	5113.79	4773.08	4335.67	3862.97	3351.13	2863.85	2398.82
330.0	5433.79	5343.24	5156.77	4873.60	4535.19	4124.65	3701.05	3262.88	2856.94
360.0	5430.72	5374.70	5224.30	5008.66	4720.90	4391.69	4014.91	3625.85	3222.98
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2839.29	2494.74	2146.35	1854.75	1581.56	1332.93	1125.74	956.92	800.37
30.0	2695.79	2315.94	1969.09	1665.97	1416.58	1191.73	1003.73	853.32	721.33
60.0	2107.21	1748.85	1470.60	1224.96	1032.27	859.46	735.15	626.49	537.85
90.0	1972.92	1624.53	1337.54	1119.60	935.43	788.10	669.15	577.07	498.79
120.0	2139.44	1778.78	1499.07	1251.13	1046.16	887.47	752.87	641.76	550.52
150.0	2747.97	2366.59	2018.97	1712.78	1461.08	1232.41	1047.47	886.32	749.73
180.0	2998.14	2617.52	2264.53	1962.18	1675.18	1441.52	1221.51	1030.59	867.98
210.0	2585.29	2229.23	1890.81	1529.07	1357.26	1152.83	974.87	821.71	702.15
240.0	2055.03	1723.53	1421.95	1194.80	991.45	838.74	712.12	614.67	526.42
270.0	1770.34	1474.51	1212.30	1010.10	845.03	720.11	616.05	529.11	461.81
300.0	1999.01	1673.65	1380.51	1157.97	970.73	813.42	691.41	596.25	511.07
330.0	2466.35	2102.61	1794.89	1527.23	1295.87	1086.76	917.40	772.67	659.48
360.0	2839.29	2494.74	2146.35	1854.75	1581.56	1332.93	1125.74	956.92	800.37
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	675.29	576.30	487.28	418.22	362.43	315.70	276.49	244.18	213.71
30.0	617.74	524.12	453.52	393.66	347.85	306.49	271.73	243.18	217.01
60.0	469.40	409.63	362.12	320.00	283.24	251.47	225.38	201.05	178.49
90.0	435.87	388.29	330.51	286.54	252.24	223.00	197.91	176.57	154.93
120.0	480.15	418.30	369.26	325.75	287.61	254.62	226.38	202.59	179.64
150.0	637.69	547.91	471.17	409.01	359.21	315.16	279.94	246.63	220.77
180.0	739.21	624.72	534.09	452.44	391.36	337.72	293.44	257.92	225.38
210.0	599.78	517.13	445.69	388.60	339.49	301.27	267.66	237.58	213.33
240.0	457.36	402.11	353.91	313.40	278.10	247.86	221.00	198.29	175.50
270.0	403.79	353.07	308.49	268.74	234.89	208.27	186.32	164.76	145.26
300.0	445.85	392.13	344.94	305.88	271.88	242.57	216.63	194.76	172.51
330.0	563.18	485.90	419.22	366.19	320.84	283.85	254.46	226.61	204.05
360.0	675.29	576.30	487.28	418.22	362.43	315.70	276.49	244.18	213.71
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	188.62	167.29	149.87	134.98	122.09	111.12	101.14	92.62	83.80
30.0	194.15	173.43	155.16	137.59	121.55	108.05	95.31	83.64	72.13
60.0	158.77	138.66	120.32	103.29	88.79	75.51	64.61	55.10	46.89
90.0	134.83	117.95	100.76	87.02	75.97	65.23	55.02	47.96	40.59
120.0	159.69	139.74	121.25	104.13	89.40	75.89	64.38	55.25	46.96
150.0	197.14	176.96	157.39	139.36	123.78	109.20	96.15	84.41	73.74
180.0	199.06	175.73	156.16	139.89	126.85	114.80	104.13	95.31	86.71
210.0	190.77	169.21	150.33	134.06	118.02	104.29	92.55	80.65	69.83
240.0	155.32	135.90	117.33	101.98	86.71	73.67	62.39	52.72	44.43
270.0	126.77	109.81	94.16	81.65	70.37	61.16	53.72	46.20	39.06
300.0	152.78	133.45	116.03	99.91	84.80	72.21	61.01	51.64	43.36
330.0	183.17	163.14	145.34	129.84	114.34	100.83	89.63	77.97	66.99
360.0	188.62	167.29	149.87	134.98	122.09	111.12	101.14	92.62	83.80

# 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	76.66	69.45	62.69	55.79	48.19	40.29	31.46	20.57	7.90
30.0	61.39	50.26	40.13	29.93	20.72	12.12	6.68	5.37	2.76
60.0	38.91	30.77	22.79	16.27	11.97	10.97	8.67	5.29	2.46
90.0	34.22	27.47	21.33	17.27	14.81	13.89	11.13	6.83	3.22
120.0	39.44	31.16	23.71	16.50	12.66	10.97	9.21	5.99	2.76
150.0	62.54	51.57	41.36	31.16	22.18	12.97	7.06	5.29	3.15
180.0	78.89	71.75	65.07	58.01	50.80	43.05	34.61	24.56	12.05
210.0	58.63	47.12	36.45	27.01	17.50	9.90	5.60	4.60	2.23
240.0	37.22	29.31	21.64	15.58	11.66	10.82	9.13	6.06	2.46
270.0	32.38	25.32	19.49	15.42	14.27	12.82	10.05	6.06	2.07
300.0	36.14	28.47	20.72	15.04	11.28	10.67	8.75	5.83	2.15
330.0	56.71	45.43	34.84	25.25	16.50	9.06	5.14	4.22	1.76
360.0	76.66	69.45	62.69	55.79	48.19	40.29	31.46	20.57	7.90
C/γ(°)	90.0								
0.0	0.23								
30.0	0.15								
60.0	0.15								
90.0	0.08								
120.0	0.08								
150.0	0.38								
180.0	0.54								
210.0	0.15								
240.0	0.08								
270.0	0.08								
300.0	0.08								
330.0	0.15								
360.0	0.23								