

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3483S6-48-24DC (60-OL-48WN-AA, L1000.C.CT)

报告编号:

电压(V): 24.0000

测试编号: 20210402008

电流(A): 1.9150

光源规格型号: OD

功率(W): 46.0000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 48

镇流器型号:

发光面长度(mm): 987

发光面宽度(mm): 72

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): 4265.28

灯具效能(lm/w): 92.72

中心光强(cd): 4072.465

最大光强(cd): 4153.039

最大光强角度: C=240.0  $\gamma$ =6.0

半峰边角(50%Imax): [C0/180]Total=55.4

[C90/270]Total=55.2

光束扩散角(10%Imax): [C0/180]Total=99.8

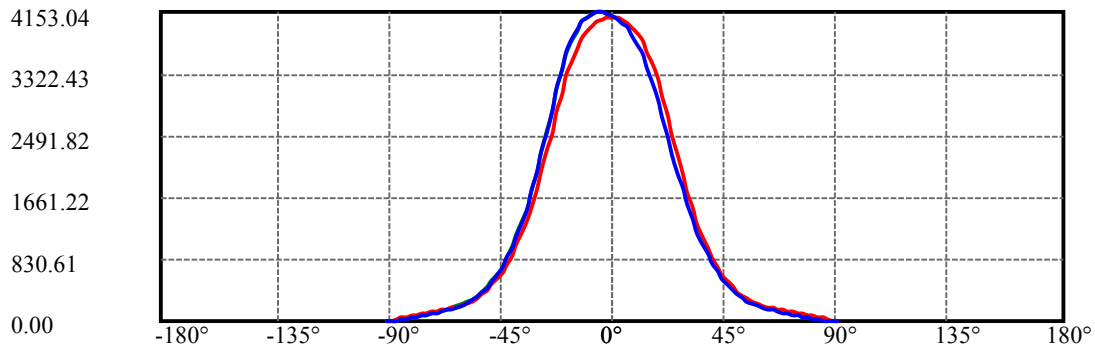
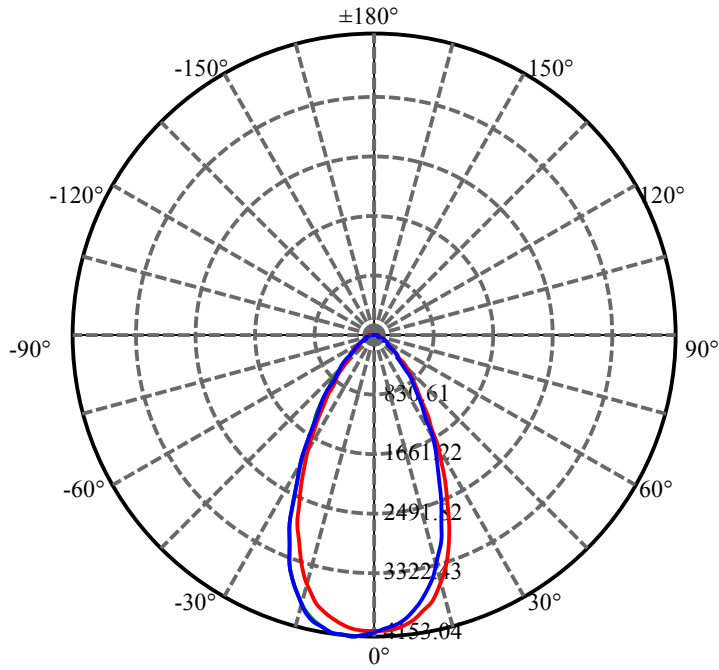
[C90/270]Total=99.5

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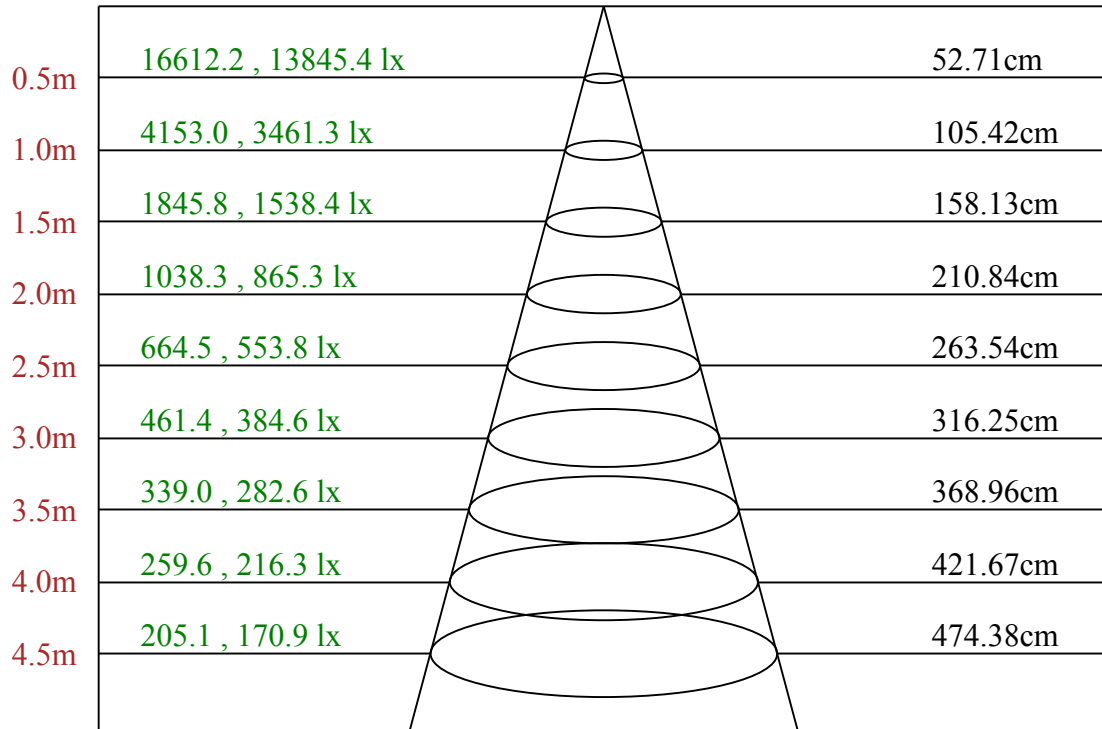
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/2  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

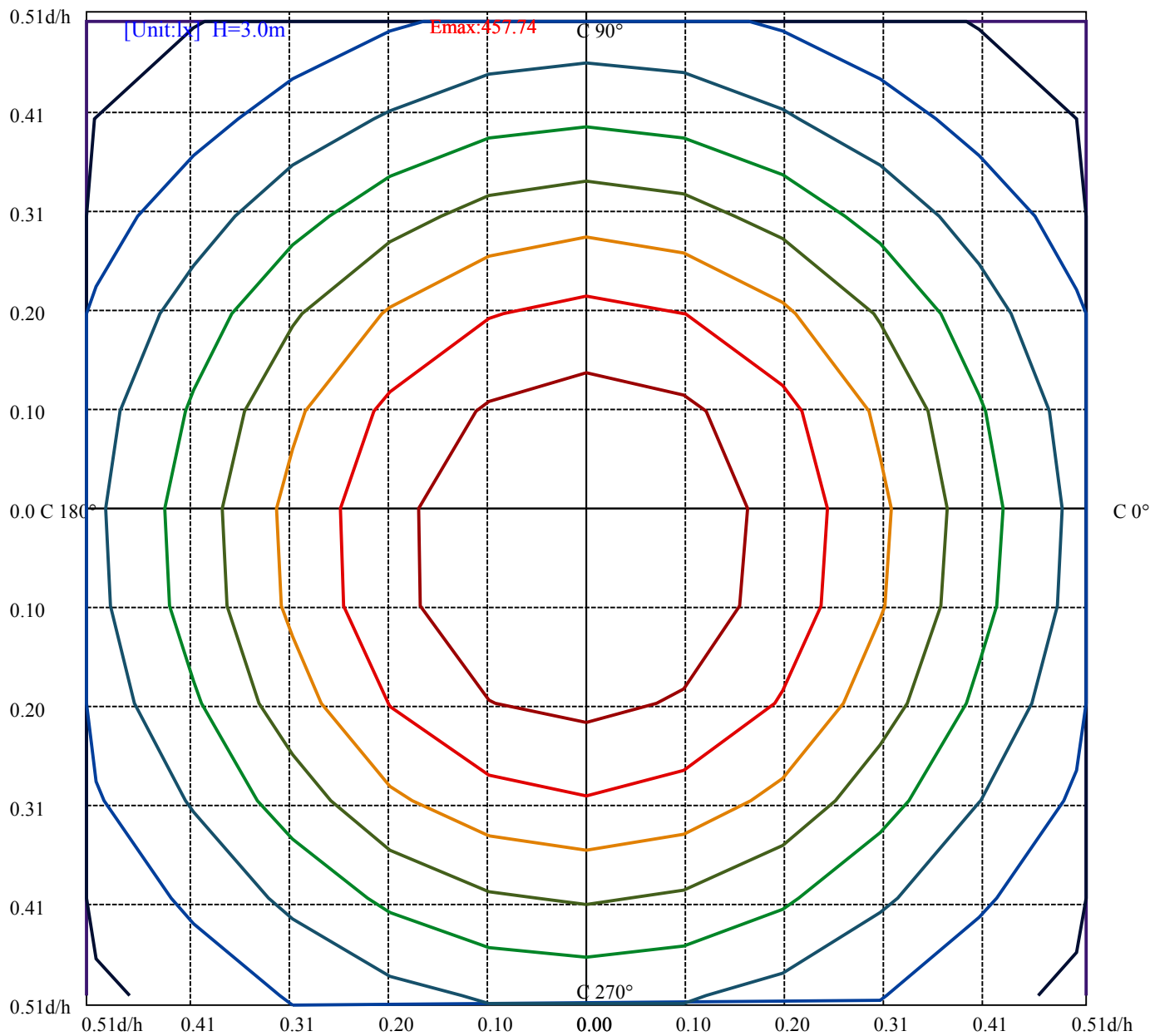


C240(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C240面光束角55.51

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 45.77389
- (20%Emax) 91.54789
- (30%Emax) 137.3222
- (40%Emax) 183.0956
- (50%Emax) 228.87
- (60%Emax) 274.6433
- (70%Emax) 320.4178
- (80%Emax) 366.1911
- (90%Emax) 411.9655

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/2  
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

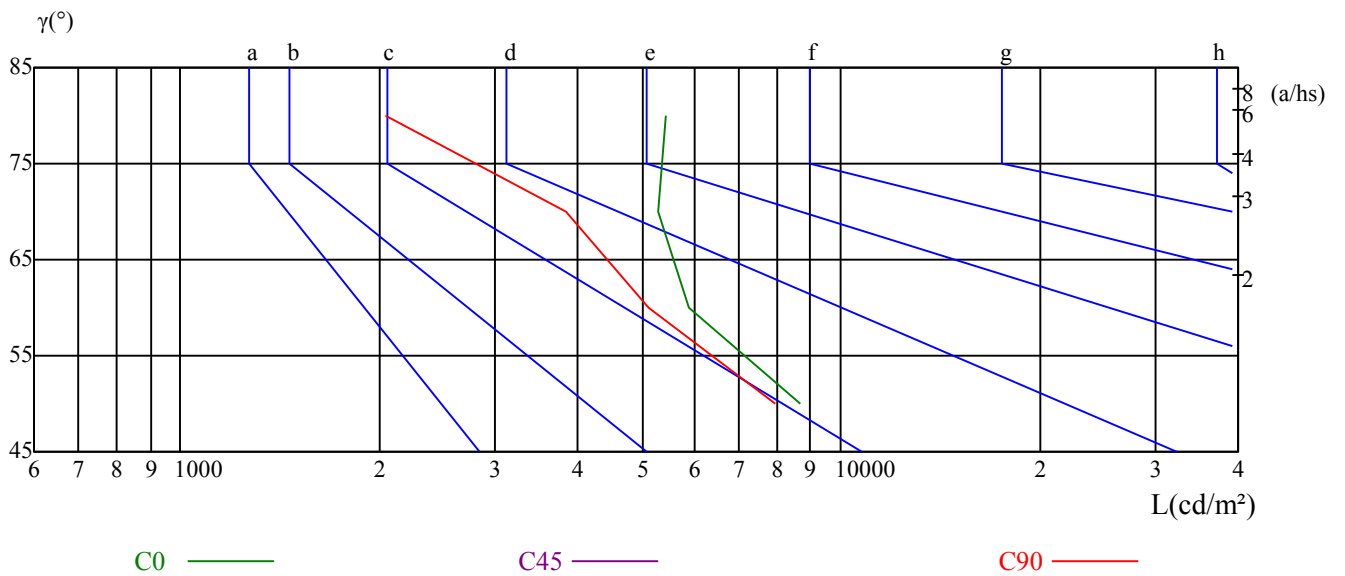
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	8702	0	5872	0	5285	0	5423	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7939	0	5105	0	3827	0	2040	0

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

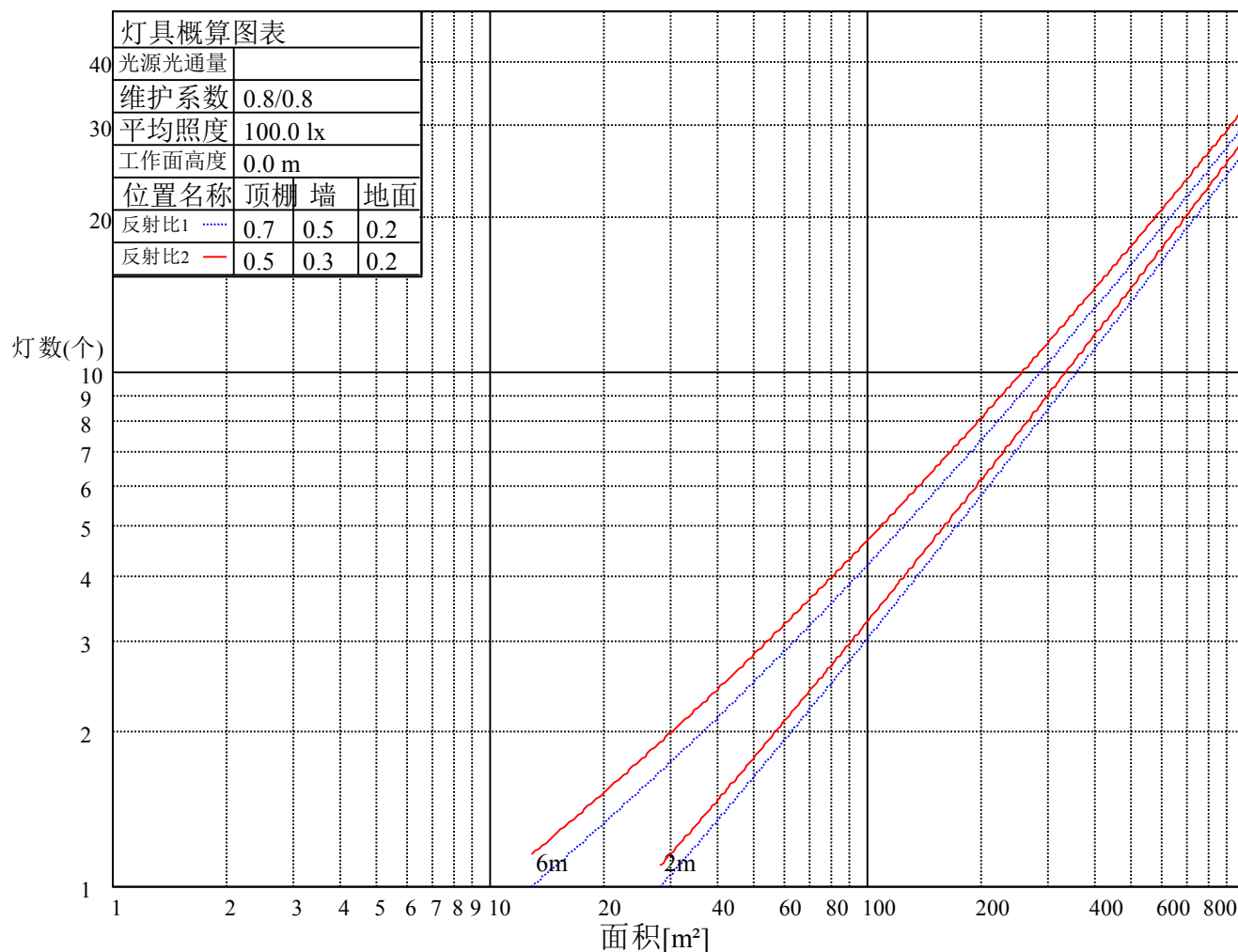
亮度限制曲线



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	10.33	11.55	10.70	11.86	12.17	10.67	11.88	11.03	12.19	12.51
	3H	11.47	12.55	11.85	12.88	13.25	12.16	13.24	12.54	13.57	13.94
	4H	11.89	12.90	12.30	13.25	13.63	12.81	13.82	13.22	14.17	14.55
	6H	12.12	13.04	12.54	13.41	13.81	13.36	14.28	13.78	14.66	15.05
	8H	12.16	13.03	12.59	13.42	13.83	13.57	14.44	14.00	14.83	15.24
	12H	12.20	13.03	12.63	13.42	13.85	13.83	14.67	14.27	15.05	15.48
4H	2H	10.79	11.79	11.19	12.14	12.53	11.06	12.07	11.47	12.42	12.80
	3H	12.15	12.98	12.57	13.38	13.78	12.84	13.66	13.25	14.07	14.47
	4H	12.68	13.41	13.11	13.83	14.28	13.62	14.36	14.06	14.78	15.23
	6H	12.94	13.57	13.40	14.02	14.49	14.18	14.82	14.65	15.26	15.73
	8H	13.00	13.59	13.47	14.04	14.51	14.43	15.03	14.91	15.47	15.95
	12H	13.05	13.57	13.53	14.05	14.53	14.71	15.23	15.20	15.72	16.19
8H	4H	12.94	13.53	13.41	13.98	14.45	13.78	14.37	14.25	14.82	15.29
	6H	13.29	13.77	13.79	14.27	14.75	14.45	14.93	14.96	15.43	15.91
	8H	13.39	13.82	13.92	14.34	14.83	14.77	15.20	15.30	15.72	16.21
	12H	13.99	14.36	14.50	14.86	15.43	15.51	15.88	16.03	16.38	16.95
12H	4H	12.95	13.47	13.44	13.96	14.43	13.76	14.28	14.25	14.77	15.24
	6H	13.83	13.76	13.86	14.23	14.77	14.95	14.88	14.98	15.35	15.90
	8H	13.47	13.84	13.99	14.34	14.91	14.80	15.18	15.32	15.67	16.25
对应照射距离，改变观察者位置S											
S = 1.0H	0.9/-1.3					0.8/-1.1					
S = 1.5H	1.9/-1.7					1.6/-1.4					
S = 2.0H	3.8/-2.1					3.1/-1.5					
标准表格	BK3					BK3					
更正系数	1.0					2.0					

# 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	1.09	1.06	1.03	1.07	1.04	1.01	1.02	1.00	0.98	0.99	0.97	0.95	0.95	0.94	0.93	0.91
2	0.99	0.94	0.90	0.98	0.93	0.89	0.94	0.91	0.87	0.91	0.88	0.85	0.88	0.86	0.84	0.82
3	0.91	0.85	0.80	0.90	0.84	0.80	0.87	0.82	0.79	0.84	0.81	0.77	0.82	0.79	0.76	0.74
4	0.84	0.77	0.73	0.83	0.77	0.72	0.81	0.75	0.71	0.78	0.74	0.70	0.76	0.73	0.69	0.68
5	0.78	0.71	0.66	0.77	0.70	0.66	0.75	0.69	0.65	0.73	0.68	0.64	0.71	0.67	0.64	0.62
6	0.72	0.65	0.60	0.71	0.65	0.60	0.70	0.64	0.60	0.68	0.63	0.59	0.67	0.62	0.59	0.57
7	0.67	0.61	0.56	0.67	0.60	0.56	0.65	0.59	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.53
8	0.63	0.56	0.52	0.62	0.56	0.52	0.61	0.55	0.51	0.60	0.55	0.51	0.59	0.54	0.51	0.49
9	0.59	0.53	0.48	0.59	0.52	0.48	0.58	0.52	0.48	0.57	0.51	0.48	0.56	0.51	0.47	0.46
10	0.56	0.49	0.45	0.55	0.49	0.45	0.54	0.49	0.45	0.54	0.48	0.45	0.53	0.48	0.45	0.43



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	4072.46	4068.63	4047.91	4006.47	3947.38	3862.97	3754.00	3615.88	3449.36
30.0	4127.72	4108.53	4075.53	4024.89	3948.15	3854.53	3724.84	3562.93	3377.22
60.0	4111.60	4077.07	4030.26	3957.36	3866.81	3747.86	3608.20	3422.50	3207.63
90.0	4097.02	4060.19	4007.24	3935.87	3839.95	3724.84	3579.81	3410.22	3200.73
120.0	4081.67	4045.61	3997.26	3926.66	3836.88	3714.10	3575.97	3394.87	3185.38
150.0	4078.60	4057.88	4024.89	3976.54	3905.94	3806.18	3681.10	3526.86	3344.99
180.0	4072.46	4067.09	4050.21	4015.68	3962.73	3884.46	3788.54	3654.24	3482.35
210.0	4127.72	4136.92	4135.39	4116.97	4075.53	4006.47	3912.85	3793.14	3625.08
240.0	4111.60	4136.92	4151.50	4153.04	4133.85	4086.28	4011.84	3907.48	3769.35
270.0	4097.02	4128.48	4149.97	4153.04	4133.09	4087.04	4017.21	3922.06	3782.40
300.0	4081.67	4107.00	4123.11	4122.34	4098.56	4045.61	3973.47	3866.04	3727.15
330.0	4078.60	4089.35	4084.74	4061.72	4016.45	3945.85	3850.69	3728.68	3563.69
360.0	4072.46	4068.63	4047.91	4006.47	3947.38	3862.97	3754.00	3615.88	3449.36
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3246.00	3025.00	2763.32	2494.74	2232.30	1967.55	1739.64	1520.17	1324.49
30.0	3157.75	2929.07	2669.70	2407.26	2150.95	1913.84	1679.79	1467.22	1284.59
60.0	2991.23	2747.97	2492.44	2241.51	2007.46	1768.80	1528.38	1370.84	1191.73
90.0	2971.28	2744.14	2477.86	2239.20	1999.01	1784.15	1560.84	1361.33	1194.80
120.0	2972.81	2731.09	2480.93	2236.13	2006.69	1771.10	1523.47	1376.60	1198.03
150.0	3130.13	2909.12	2658.19	2398.82	2149.42	1914.60	1682.86	1470.29	1288.42
180.0	3292.81	3048.78	2804.76	2538.48	2285.25	2022.04	1777.24	1526.31	1364.01
210.0	3439.38	3206.10	2942.12	2671.24	2407.26	2133.31	1874.70	1643.72	1434.84
240.0	3586.72	3371.08	3125.52	2843.13	2555.36	2267.60	2009.76	1756.52	1520.94
270.0	3601.30	3391.03	3123.22	2846.20	2528.50	2263.76	1999.78	1742.71	1517.64
300.0	3545.28	3326.57	3081.78	2802.46	2520.83	2235.37	1981.36	1731.20	1511.73
330.0	3368.78	3148.54	2889.94	2621.36	2348.17	2094.17	1842.47	1615.33	1410.36
360.0	3246.00	3025.00	2763.32	2494.74	2232.30	1967.55	1739.64	1520.17	1324.49
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1147.23	990.68	848.72	734.38	630.02	537.16	464.26	397.50	343.25
30.0	1113.46	962.29	829.53	719.03	618.51	534.86	458.89	395.97	346.93
60.0	1035.57	902.59	778.04	670.53	580.29	496.11	425.51	365.88	318.54
90.0	1036.72	895.53	771.98	668.38	572.46	492.66	421.29	362.66	313.32
120.0	1040.95	907.27	782.49	674.60	583.51	498.79	427.81	367.42	319.07
150.0	1118.07	966.89	834.14	723.64	621.57	537.93	462.73	398.27	348.47
180.0	1182.53	1028.21	883.25	758.17	654.34	558.65	477.77	408.78	353.84
210.0	1253.97	1072.41	929.75	800.14	689.41	589.50	505.78	435.41	374.33
240.0	1330.63	1151.83	996.82	850.25	735.15	626.18	534.86	458.89	389.83
270.0	1317.51	1143.24	982.24	843.58	717.19	615.05	524.12	447.69	380.16
300.0	1313.75	1137.25	974.57	843.35	724.40	616.20	531.02	452.75	387.52
330.0	1223.81	1052.84	912.10	784.03	669.15	576.91	494.96	426.51	366.96
360.0	1147.23	990.68	848.72	734.38	630.02	537.16	464.26	397.50	343.25
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	298.74	263.67	232.13	208.65	188.16	170.05	155.16	141.96	128.46
30.0	303.19	267.97	239.19	216.71	195.91	177.80	162.15	147.03	132.07
60.0	276.95	244.49	215.86	191.69	171.12	153.01	136.82	120.25	103.14
90.0	270.04	233.90	203.97	181.41	160.92	143.50	125.77	107.89	93.01
120.0	277.10	242.34	215.10	190.77	170.28	151.86	135.75	119.17	102.29
150.0	303.96	268.20	239.19	216.09	195.07	177.72	161.00	145.65	130.76
180.0	306.72	268.81	238.42	212.26	191.00	172.81	158.00	144.04	131.53
210.0	325.29	284.08	253.62	227.76	206.50	186.86	169.90	153.55	139.51
240.0	338.03	292.14	253.16	222.62	197.60	174.50	156.31	139.36	122.17
270.0	324.22	278.79	239.19	206.73	180.56	160.69	142.12	125.01	107.28
300.0	331.43	288.46	250.63	220.70	195.76	172.97	154.01	136.75	120.55
330.0	319.00	280.78	249.01	223.84	201.82	183.40	166.44	150.48	136.59
360.0	298.74	263.67	232.13	208.65	188.16	170.05	155.16	141.96	128.46

# 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	116.18	104.52	91.85	79.19	66.92	52.72	38.75	23.10	6.22
30.0	116.49	100.68	83.87	67.38	50.03	37.75	20.18	7.29	3.68
60.0	86.02	73.98	61.47	48.50	30.08	17.57	11.13	7.67	3.15
90.0	82.95	71.37	58.17	43.89	25.17	18.42	11.05	8.67	3.38
120.0	85.64	73.74	61.16	48.19	30.39	17.73	11.28	7.75	3.22
150.0	116.18	99.84	83.11	66.99	50.26	37.99	20.72	7.60	3.68
180.0	119.02	106.82	94.62	81.80	69.60	56.10	42.82	27.47	10.67
210.0	124.39	107.43	91.32	74.51	56.10	42.13	27.01	8.98	4.07
240.0	104.98	87.79	75.20	62.39	48.88	29.93	17.27	10.74	7.29
270.0	92.70	81.96	69.45	57.17	40.67	24.17	17.57	10.28	8.06
300.0	103.52	87.10	74.05	60.78	47.12	28.78	16.96	10.51	7.29
330.0	121.86	105.36	88.32	72.29	54.41	41.21	25.71	8.67	3.99
360.0	116.18	104.52	91.85	79.19	66.92	52.72	38.75	23.10	6.22
C/γ(°)	90.0								
0.0	0.38								
30.0	0.38								
60.0	0.38								
90.0	0.23								
120.0	0.31								
150.0	0.38								
180.0	0.46								
210.0	1.30								
240.0	2.30								
270.0	2.69								
300.0	2.23								
330.0	1.07								
360.0	0.38								