

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: F2032A-108-UN(10-OL-108WN-AA, CT)

报告编号:

电压(V): 218.8000

测试编号: 20210423002

电流(A): 0.5430

光源规格型号: OL

功率(W): 117.1000

每个光源光通量(lm)

功率因数: 0.9860

光源数量: 108

镇流器型号:

发光面长度(mm): 390

发光面宽度(mm): 240

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): 10850.95

灯具效能(lm/w): 92.66

中心光强(cd): 112343.900

最大光强(cd): 113541.000

最大光强角度: C=120.0  $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=10.7

[C90/270]Total=10.5

光束扩散角(10%Imax): [C0/180]Total=26.8

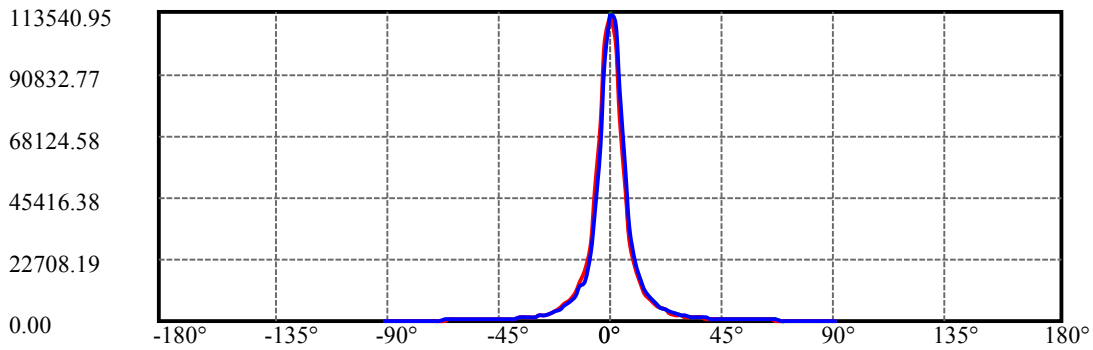
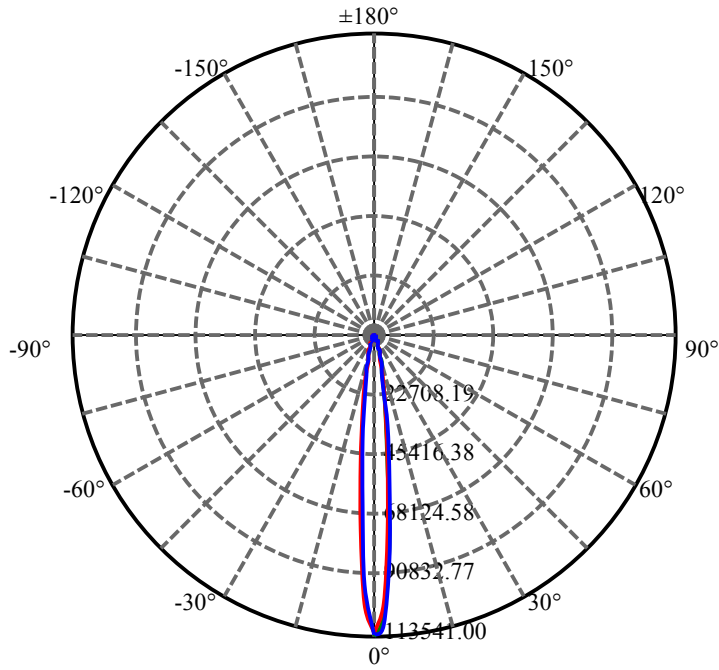
[C90/270]Total=26.7

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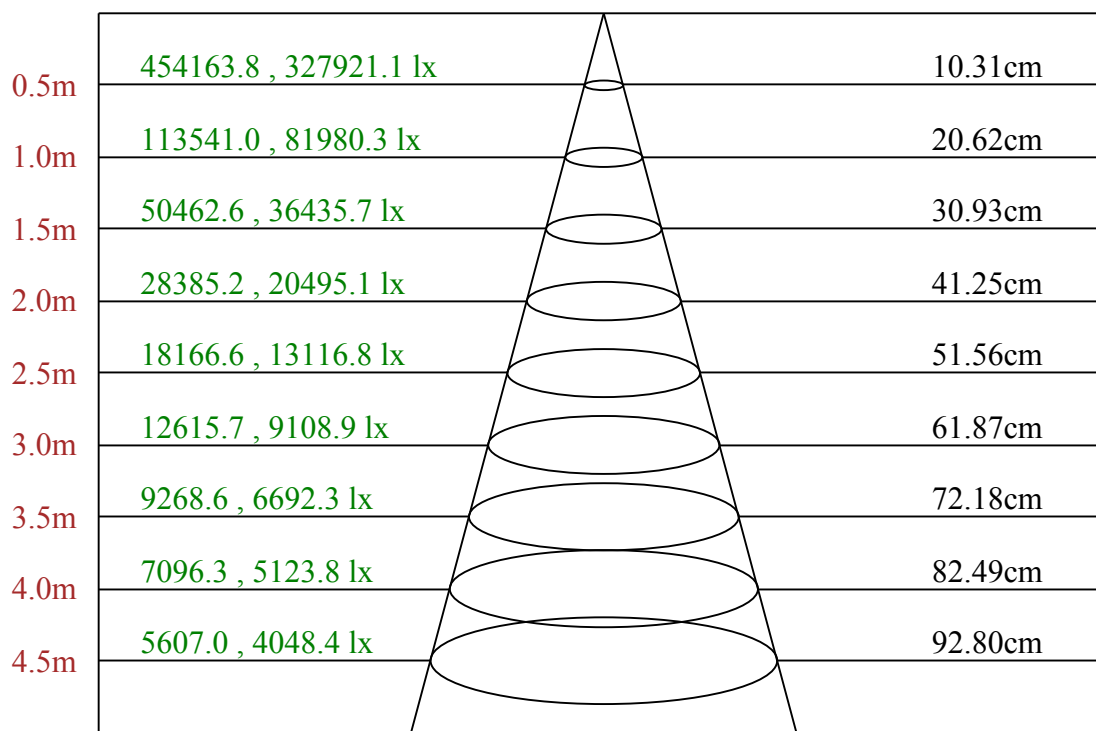
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/23  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

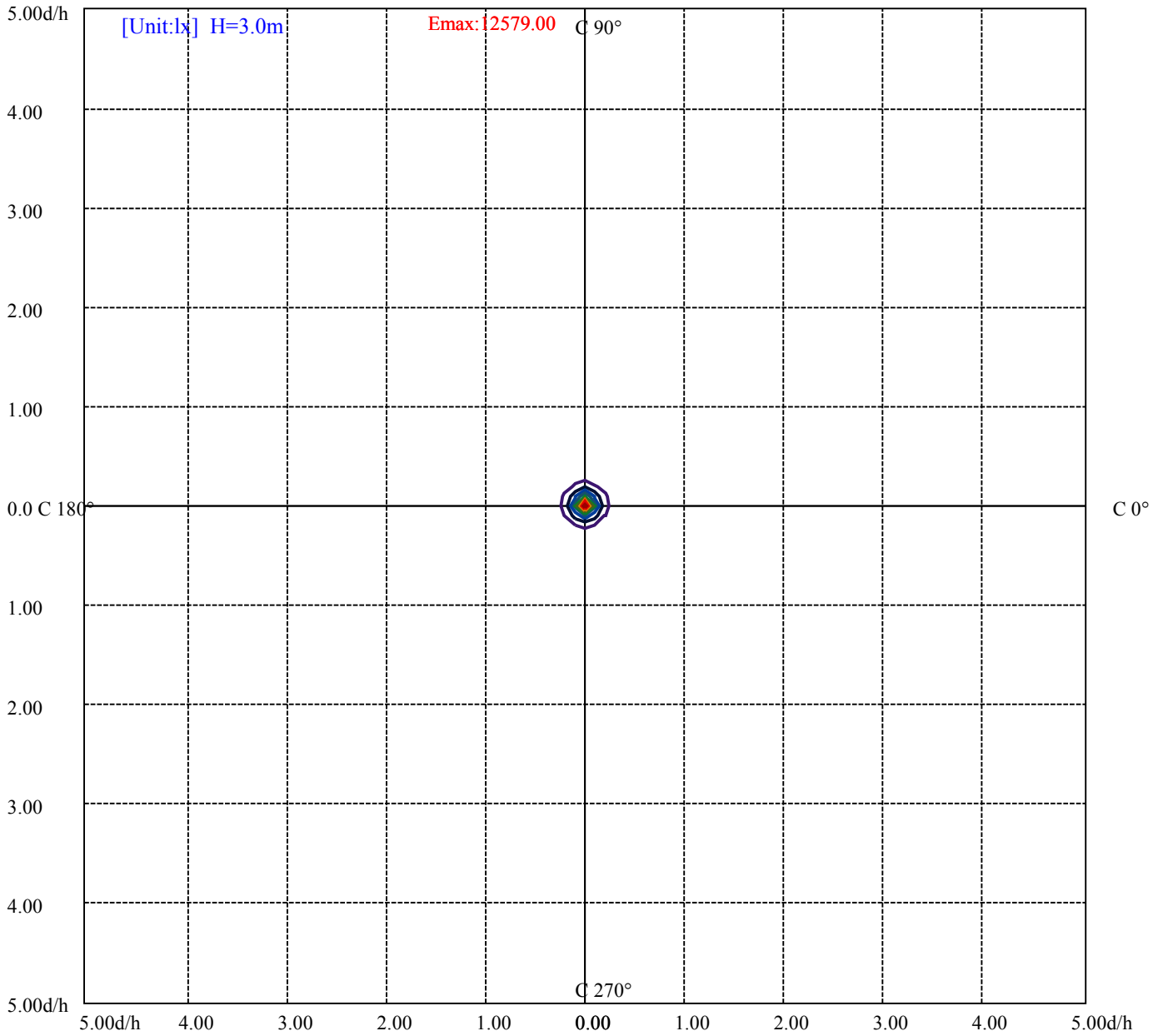


C120(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave C120面光束角11.77

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 1257.9
- (20%Emax) 2515.789
- (30%Emax) 3773.689
- (40%Emax) 5031.578
- (50%Emax) 6289.478
- (60%Emax) 7547.366
- (70%Emax) 8805.267
- (80%Emax) 10063.16
- (90%Emax) 11321

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

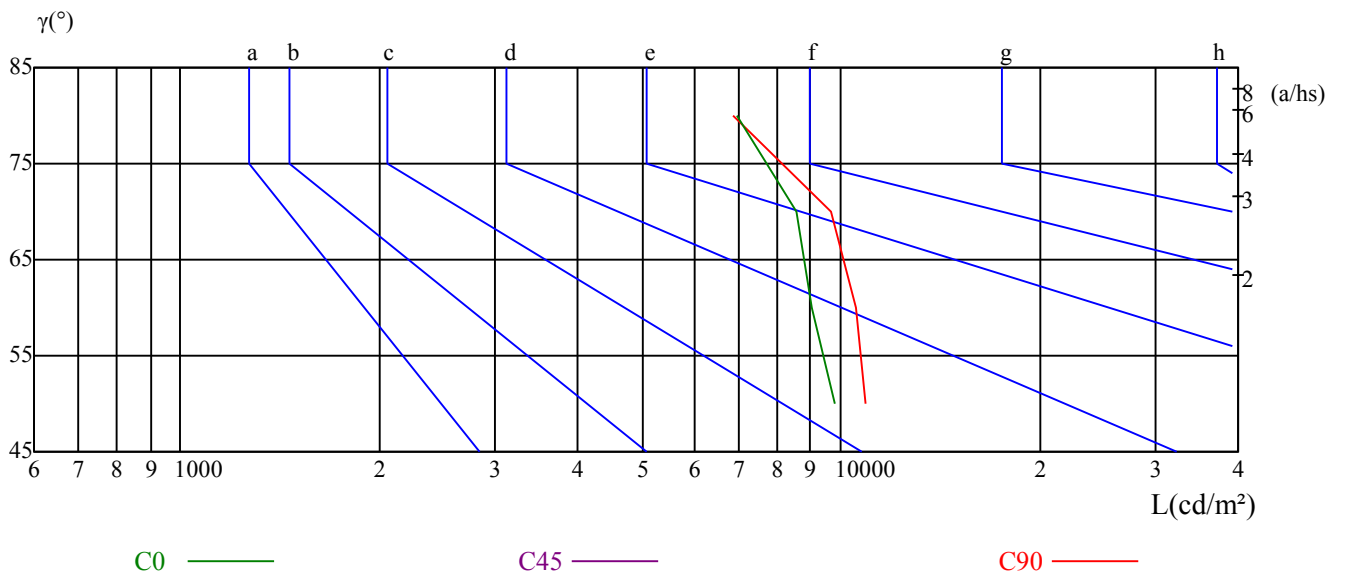
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	9770	0	9018	0	8550	0	6964	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10931	0	10543	0	9660	0	6884	0

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

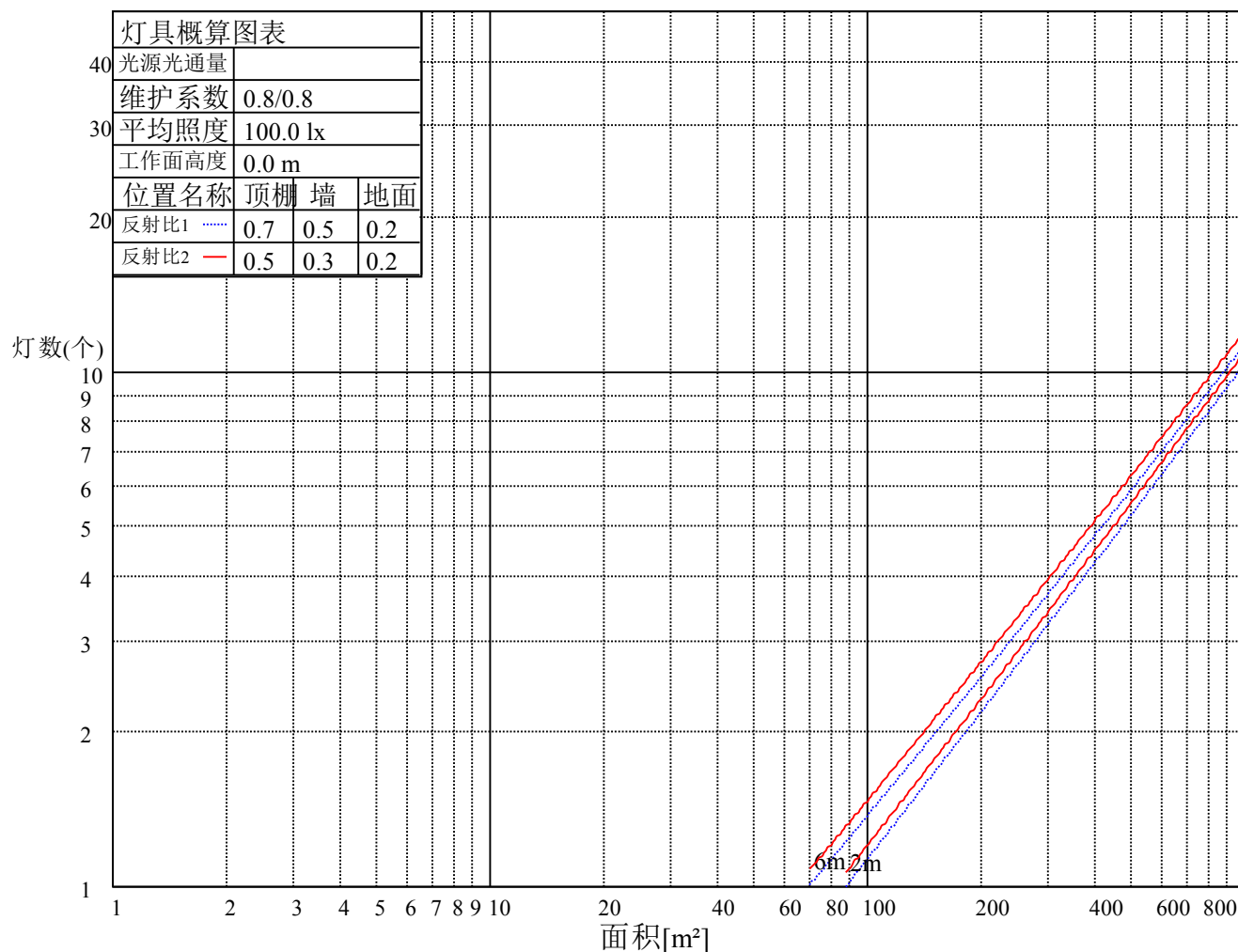
亮度限制曲线



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	8.27	9.36	8.63	9.67	9.98	7.83	8.92	8.20	9.23	9.55
	3H	10.06	11.02	10.44	11.36	11.72	9.67	10.63	10.05	10.97	11.33
	4H	10.65	11.54	11.05	11.90	12.28	10.34	11.24	10.75	11.59	11.98
	6H	10.97	11.79	11.39	12.17	12.56	10.78	11.60	11.20	11.98	12.37
	8H	11.02	11.80	11.46	12.19	12.60	10.89	11.66	11.32	12.05	12.46
	12H	11.03	11.77	11.47	12.16	12.59	10.98	11.72	11.41	12.10	12.53
4H	2H	8.82	9.71	9.22	10.07	10.45	8.48	9.38	8.89	9.73	10.12
	3H	10.81	11.55	11.22	11.95	12.36	10.55	11.29	10.96	11.69	12.10
	4H	11.51	12.17	11.95	12.59	13.04	11.34	12.00	11.78	12.42	12.87
	6H	11.86	12.43	12.33	12.87	13.35	11.79	12.36	12.26	12.81	13.28
	8H	11.93	12.45	12.40	12.90	13.38	11.93	12.45	12.40	12.90	13.38
	12H	11.94	12.40	12.43	12.89	13.36	12.02	12.47	12.51	12.96	13.44
8H	4H	11.75	12.28	12.23	12.73	13.20	11.60	12.13	12.08	12.58	13.05
	6H	12.20	12.62	12.71	13.12	13.60	12.19	12.61	12.69	13.11	13.59
	8H	12.31	12.68	12.84	13.20	13.70	12.38	12.75	12.91	13.27	13.77
	12H	12.88	13.21	13.40	13.70	14.28	12.98	13.30	13.50	13.80	14.38
12H	4H	11.75	12.21	12.24	12.69	13.17	11.59	12.05	12.08	12.54	13.01
	6H	12.58	12.59	12.75	13.07	13.61	12.56	12.57	12.73	13.04	13.59
	8H	12.36	12.69	12.88	13.18	13.76	12.44	12.76	12.96	13.25	13.83
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.3/-0.6					
S = 1.5H	0.8/-0.6					0.7/-0.7					
S = 2.0H	1.1/-0.7					0.9/-0.9					
标准表格	BK3					BK4					
更正系数	2.1					2.4					

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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	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.04	1.00	0.97	1.02	0.99	0.96	0.99	0.96	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.88
3	0.98	0.94	0.90	0.97	0.93	0.89	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.87	0.85	0.84
4	0.93	0.89	0.85	0.92	0.88	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.84	0.81	0.80
5	0.89	0.84	0.80	0.88	0.84	0.80	0.87	0.83	0.79	0.85	0.82	0.79	0.84	0.81	0.78	0.77
6	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.82	0.79	0.76	0.81	0.78	0.75	0.74
7	0.83	0.78	0.74	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.72
8	0.80	0.75	0.72	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.69
9	0.77	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.75	0.71	0.69	0.68
10	0.75	0.71	0.68	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.66



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	112343.85	101362.70	74358.73	48168.19	29758.84	19560.41	13559.53	10029.60	7673.76
30.0	112980.77	107025.93	83260.30	54491.37	33357.83	21095.17	14818.03	10796.98	8226.27
60.0	113441.19	105483.50	79116.47	52350.39	31692.63	20304.77	14428.97	10566.77	8090.45
90.0	112719.86	108913.68	84426.71	55097.60	34416.81	21686.05	14979.18	10981.15	8395.09
120.0	113540.95	105690.70	79170.18	51099.57	31055.71	20534.98	14477.32	10684.94	8219.36
150.0	113088.20	105982.30	81503.00	52964.29	33396.20	21409.79	15002.20	11265.08	8517.87
180.0	112343.85	101370.37	72870.02	47700.09	29244.70	19161.38	13853.44	10258.28	7902.44
210.0	112980.77	96037.11	68181.36	42735.17	27272.54	18094.73	13048.46	9772.53	7527.96
240.0	113441.19	97932.53	70237.93	43548.59	27264.87	18509.11	13244.91	10098.67	7689.11
270.0	112719.86	94126.34	64068.22	39634.97	25338.76	15144.93	12502.86	9389.61	7242.49
300.0	113540.95	98638.51	69601.00	44193.18	27594.84	18278.90	13244.91	9937.52	7558.65
330.0	113088.20	97011.67	67828.36	43487.20	26957.92	17810.80	12954.84	9658.96	7313.09
360.0	112343.85	101362.70	74358.73	48168.19	29758.84	19560.41	13559.53	10029.60	7673.76
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	5885.77	4619.60	3913.62	2947.49	2409.56	2010.53	1689.76	1447.27	1250.82
30.0	6315.50	4903.53	3905.94	3114.78	2523.13	2075.75	1755.76	1494.08	1300.70
60.0	6152.82	4834.47	3800.05	3074.88	2489.37	2052.73	1726.60	1495.62	1297.63
90.0	6461.31	5033.99	4005.70	3198.42	2619.82	2160.16	1812.54	1547.80	1348.28
120.0	6353.11	4931.16	3918.22	3129.36	2527.74	2097.24	1754.99	1500.37	1304.69
150.0	6561.06	5095.38	4028.72	3198.42	2600.64	2124.10	1767.27	1497.15	1299.17
180.0	6118.29	4755.43	3785.47	3031.90	2456.37	2025.11	1715.85	1467.45	1267.17
210.0	5835.89	4552.07	3615.88	2902.22	2382.70	1941.46	1649.86	1417.34	1235.40
240.0	5916.47	4627.28	3905.94	2935.98	2394.21	1990.57	1670.58	1434.99	1244.68
270.0	5566.55	4413.18	3483.89	2840.83	2323.61	1926.11	1646.79	1424.94	1242.00
300.0	5893.45	4611.93	3898.27	2905.29	2394.21	1970.62	1669.04	1429.62	1238.54
330.0	5728.46	4467.66	3509.98	2817.04	2315.94	1906.93	1573.89	1397.16	1213.53
360.0	5885.77	4619.60	3913.62	2947.49	2409.56	2010.53	1689.76	1447.27	1250.82
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1098.12	983.01	882.48	803.44	735.15	674.52	626.18	587.81	551.74
30.0	1133.41	1012.94	912.41	833.37	763.54	705.22	657.64	617.74	580.14
60.0	1150.76	1026.67	927.22	850.48	781.11	722.41	677.44	636.00	599.01
90.0	1185.60	1058.98	956.92	880.18	808.05	749.73	699.08	657.64	622.34
120.0	1145.08	1020.53	925.92	843.96	773.82	715.04	670.07	628.71	592.03
150.0	1136.48	1010.63	915.48	831.84	761.24	704.45	655.34	613.13	577.07
180.0	1117.91	991.22	889.62	806.59	738.98	679.13	617.12	578.22	546.06
210.0	1090.59	974.72	885.32	808.97	742.51	687.49	645.44	605.84	572.23
240.0	1100.42	992.22	897.06	824.93	759.70	706.75	659.18	621.57	585.51
270.0	1105.87	1002.27	911.95	841.12	774.97	719.88	679.20	638.38	604.46
300.0	1092.74	981.47	892.46	815.72	753.56	698.31	653.80	613.13	580.14
330.0	1080.85	967.74	875.35	801.60	739.29	684.88	642.91	603.23	567.47
360.0	1098.12	983.01	882.48	803.44	735.15	674.52	626.18	587.81	551.74
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	515.68	481.91	451.98	422.06	392.90	364.58	333.96	302.96	273.72
30.0	549.44	517.21	488.82	457.36	430.50	401.34	373.56	342.40	310.33
60.0	566.09	536.55	505.32	473.01	444.08	412.93	378.62	341.94	307.18
90.0	587.81	556.35	528.72	493.42	458.89	422.06	388.29	346.09	309.25
120.0	560.88	529.64	498.79	466.64	437.86	407.02	375.25	339.26	302.96
150.0	546.37	514.91	485.75	455.82	426.66	397.50	370.18	339.56	307.72
180.0	514.37	486.52	456.74	427.12	397.73	365.96	335.80	302.12	272.65
210.0	540.92	510.23	479.69	449.38	421.14	389.98	359.75	327.44	293.37
240.0	552.51	523.35	490.35	458.12	425.89	392.13	358.29	325.14	288.23
270.0	572.00	540.54	503.32	468.10	433.18	393.59	354.07	314.78	276.33
300.0	547.91	517.21	486.52	453.52	422.82	389.83	356.22	321.53	287.08
330.0	536.09	505.39	476.23	446.69	418.99	387.91	357.29	327.29	293.91
360.0	515.68	481.91	451.98	422.06	392.90	364.58	333.96	302.96	273.72

# 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	241.57	208.11	177.26	143.65	113.19	78.43	46.58	17.73	2.76
30.0	277.41	244.18	207.34	165.29	129.53	89.86	53.03	22.25	3.91
60.0	271.57	236.43	192.76	152.09	110.66	73.74	40.44	8.59	4.37
90.0	268.74	225.53	186.63	146.72	111.88	76.20	38.06	6.52	4.68
120.0	267.81	234.82	189.85	149.48	110.81	72.52	39.75	9.75	4.22
150.0	276.72	243.80	205.43	166.14	128.38	91.09	53.26	22.25	3.84
180.0	239.65	208.04	175.65	141.96	109.27	77.81	46.43	18.03	2.84
210.0	262.06	223.77	180.72	143.96	108.51	69.37	35.22	9.75	3.07
240.0	255.38	215.79	170.89	132.53	94.85	58.17	23.71	4.99	3.30
270.0	233.36	195.68	156.08	118.56	81.57	46.66	11.66	4.45	2.99
300.0	253.85	212.64	170.59	132.68	94.85	56.94	22.94	4.91	3.22
330.0	263.13	223.46	183.17	146.34	109.04	71.14	36.53	9.98	2.99
360.0	241.57	208.11	177.26	143.65	113.19	78.43	46.58	17.73	2.76
C/γ(°)	90.0								
0.0	1.00								
30.0	1.69								
60.0	2.00								
90.0	2.30								
120.0	2.07								
150.0	1.76								
180.0	1.30								
210.0	0.92								
240.0	0.92								
270.0	0.84								
300.0	0.84								
330.0	0.92								
360.0	1.00								