

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F1014A-18-UN (8-OL-18WN-AJ, CT) 郎一曼10度

报告编号:

电压(V): 220.2000

测试编号: 20210417006

电流(A): 0.1120

光源规格型号: OL

功率(W): 23.3000

每个光源光通量(lm)

功率因数: 0.9450

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): 1897.21

灯具效能(lm/w): 81.43

中心光强(cd): 20558.000

最大光强(cd): 20711.480

最大光强角度: C=30.0  $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=10.4

[C90/270]Total=10.4

光束扩散角(10%Imax): [C0/180]Total=26.1

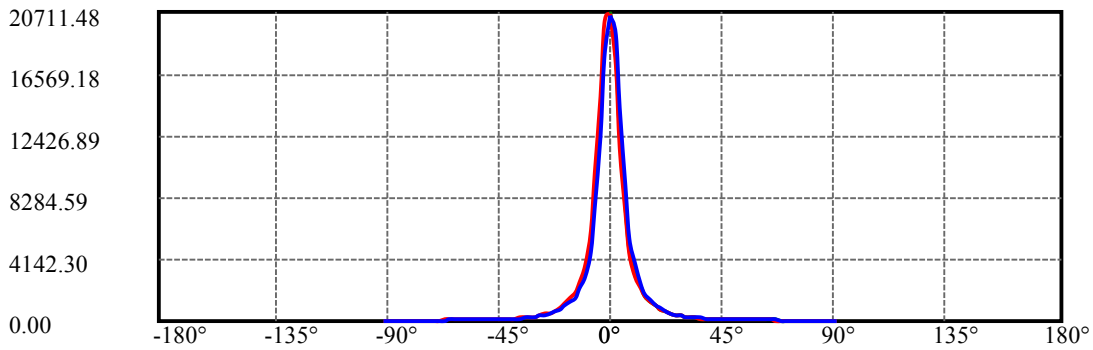
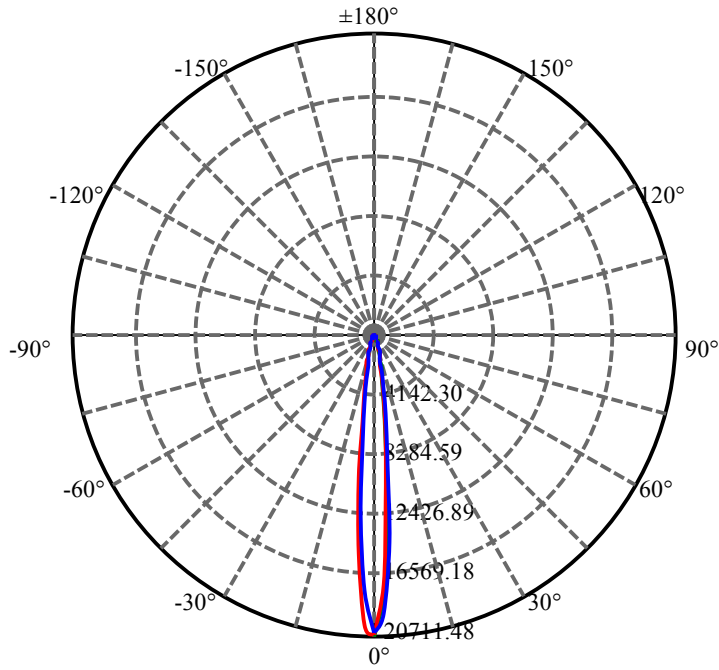
[C90/270]Total=25.8

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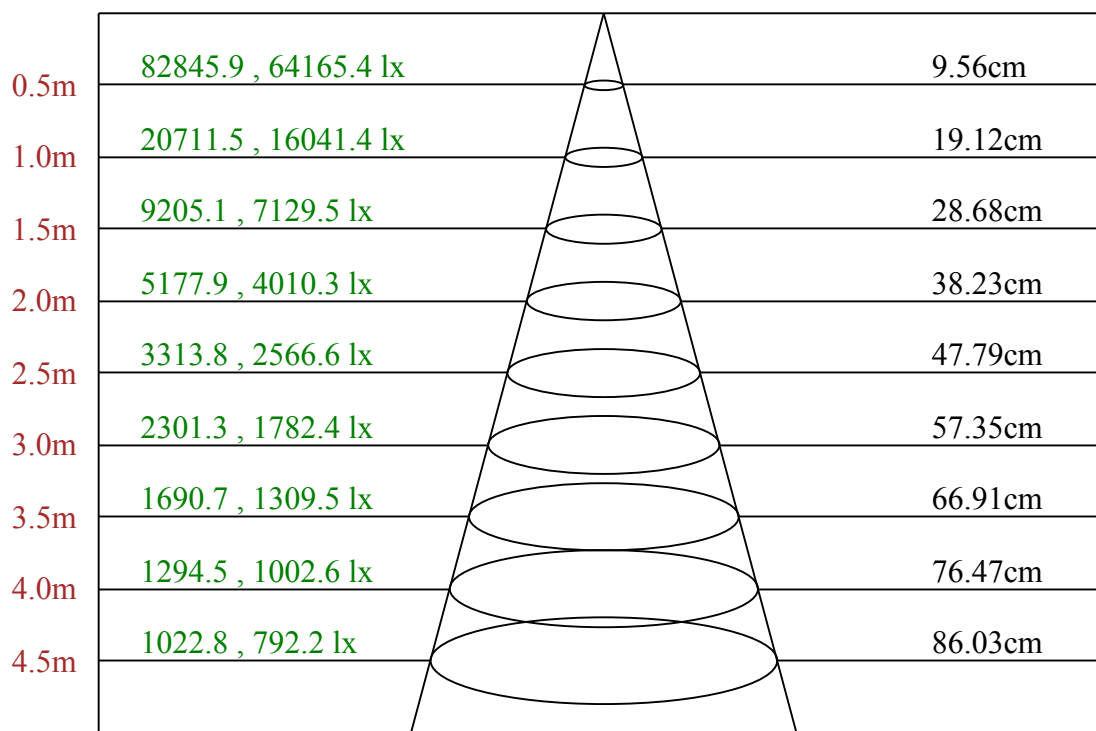
测试设备: GMS1800  
环境温度(°C): 25.0

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

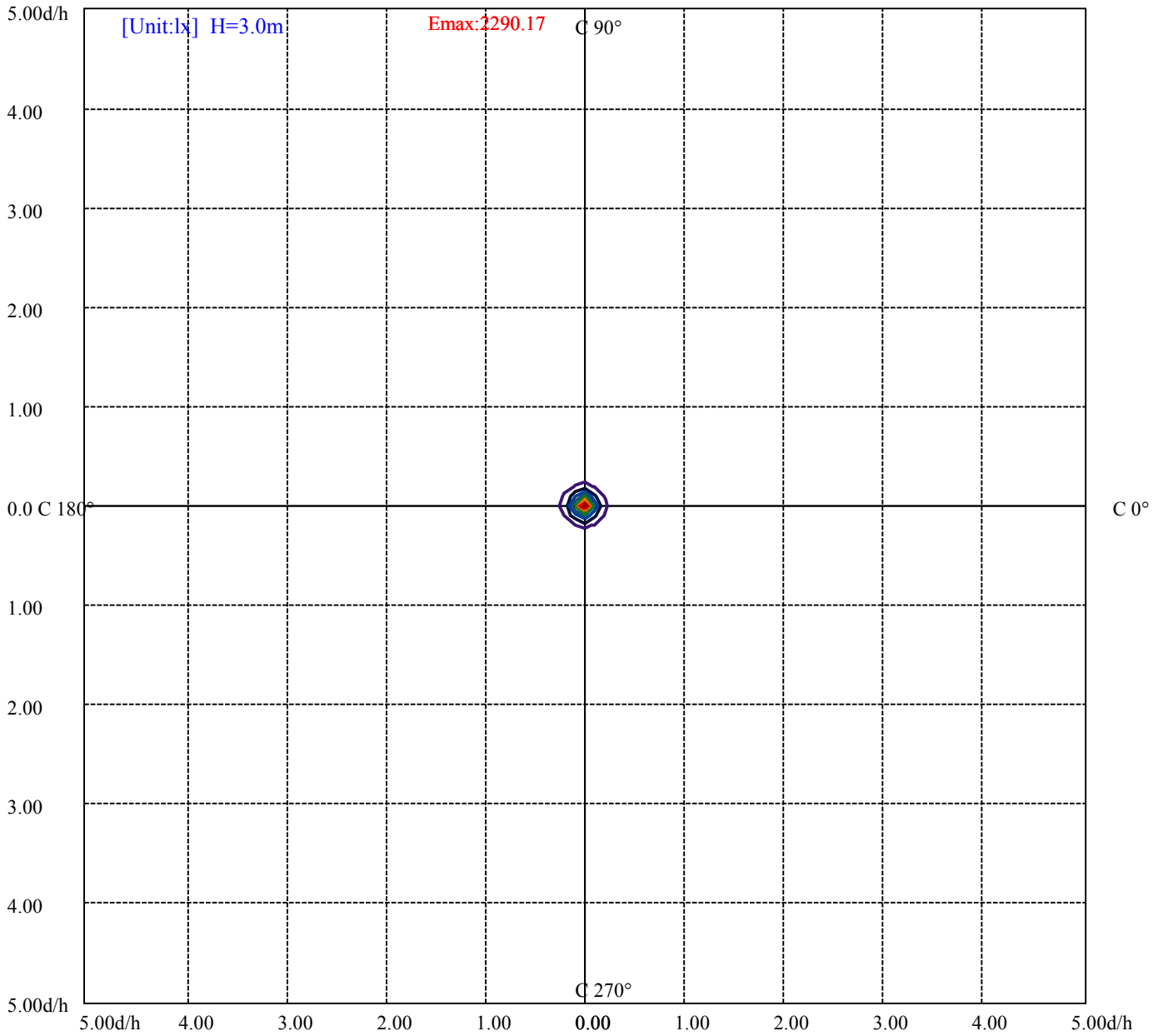


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角10.92

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 229.0167
- (20%Emax) 458.0333
- (30%Emax) 687.05
- (40%Emax) 916.0656
- (50%Emax) 1145.078
- (60%Emax) 1374.1
- (70%Emax) 1603.111
- (80%Emax) 1832.133
- (90%Emax) 2061.145

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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

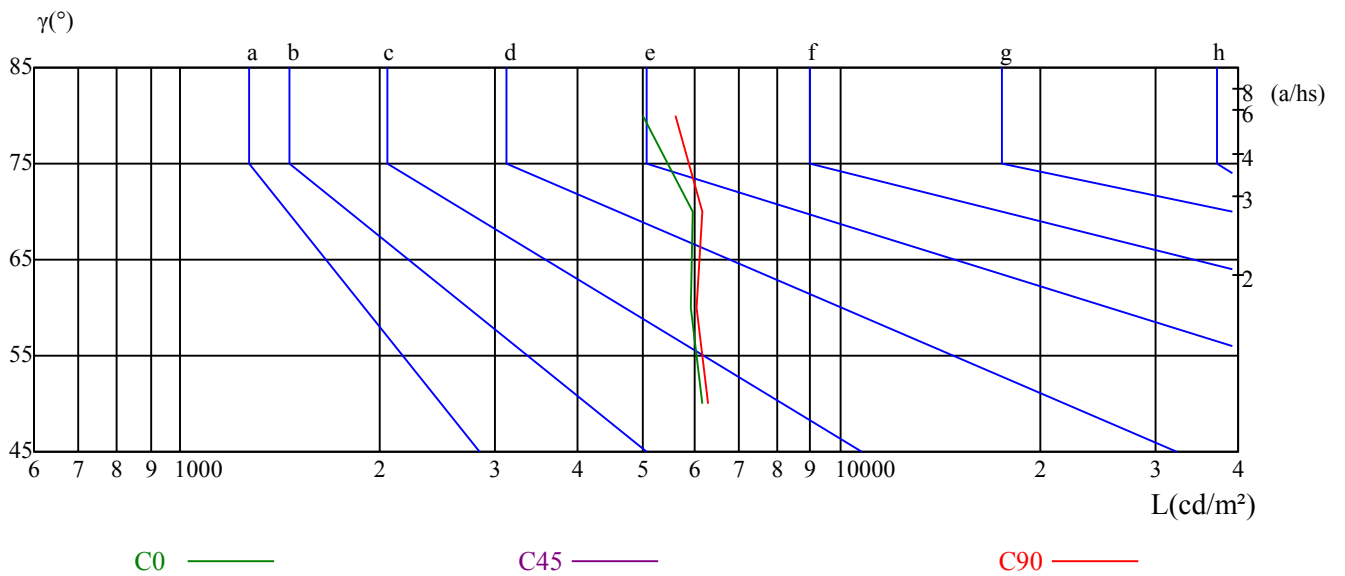
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6177	0	5918	0	5959	0	5001	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6282	0	6047	0	6164	0	5607	0

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

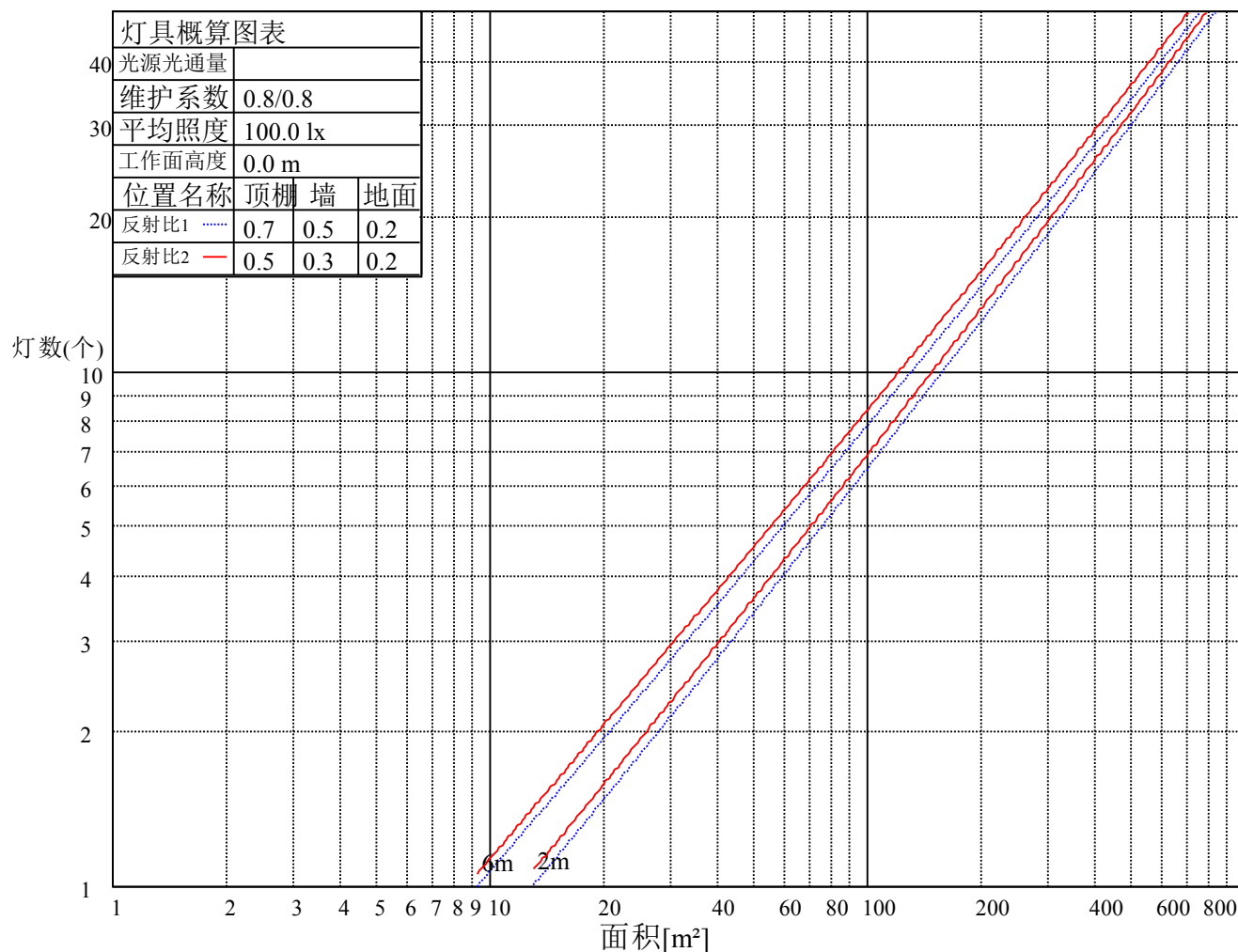
眩光等级表

眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	$\leq 300$				
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	12.41	13.50	12.77	13.81	14.13	12.47	13.56	12.83	13.87	14.19
	3H	14.43	15.40	14.81	15.73	16.10	14.49	15.46	14.87	15.80	16.16
	4H	15.23	16.13	15.63	16.48	16.87	15.29	16.19	15.70	16.55	16.93
	6H	15.80	16.63	16.22	17.00	17.40	15.87	16.70	16.28	17.07	17.46
	8H	15.96	16.75	16.40	17.14	17.55	16.03	16.81	16.47	17.21	17.62
	12H	16.12	16.87	16.56	17.26	17.69	16.20	16.95	16.63	17.33	17.76
4H	2H	13.04	13.95	13.45	14.30	14.69	13.09	13.99	13.49	14.34	14.73
	3H	15.26	16.01	15.67	16.41	16.82	15.31	16.06	15.73	16.47	16.87
	4H	16.18	16.84	16.61	17.27	17.71	16.23	16.90	16.67	17.32	17.77
	6H	16.75	17.32	17.22	17.77	18.25	16.81	17.38	17.27	17.83	18.30
	8H	16.96	17.49	17.43	17.94	18.42	17.02	17.55	17.49	18.00	18.48
	12H	17.13	17.59	17.62	18.08	18.55	17.19	17.66	17.68	18.14	18.62
8H	4H	16.47	17.00	16.94	17.45	17.93	16.51	17.05	16.99	17.50	17.97
	6H	17.19	17.62	17.69	18.12	18.60	17.24	17.66	17.74	18.16	18.65
	8H	17.47	17.85	18.00	18.37	18.87	17.52	17.90	18.05	18.42	18.92
	12H	18.10	18.43	18.62	18.92	19.50	18.16	18.49	18.68	18.98	19.56
12H	4H	16.48	16.94	16.97	17.43	17.91	16.52	16.99	17.01	17.47	17.95
	6H	17.62	17.62	17.77	18.09	18.63	17.66	17.66	17.82	18.13	18.68
	8H	17.57	17.90	18.09	18.39	18.97	17.62	17.94	18.14	18.44	19.02
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.7					0.2/-0.7					
S = 1.5H	0.7/-0.6					0.7/-0.6					
S = 2.0H	0.7/-0.7					0.7/-0.7					
标准表格	BKBF					BK4					
更正系数	4.0					1.0					



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## 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	1.11	1.08	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.96	0.95	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	0.93	0.91	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	0.86	0.90	0.87	0.85	0.84
4	0.93	0.88	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	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.78	0.77
6	0.86	0.80	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.74
7	0.82	0.77	0.74	0.82	0.77	0.74	0.81	0.76	0.73	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)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	20558.00	17143.18	11610.40	7182.64	4458.45	2994.30	2155.56	1652.16	1262.33
30.0	20711.48	17780.10	12607.99	7581.67	4757.73	3140.10	2290.62	1716.62	1311.45
60.0	20511.96	17787.78	12406.17	7894.00	4664.88	3143.17	2255.32	1605.35	1306.46
90.0	20450.57	19138.36	14273.19	9047.36	5471.39	3890.60	2502.41	1845.54	1413.51
120.0	20519.63	19230.44	14292.38	9286.78	5533.55	3535.30	2520.06	1850.91	1432.46
150.0	20274.07	20220.36	15946.07	10382.60	6369.22	3936.64	2705.00	2008.99	1512.50
180.0	20558.00	19959.45	15063.59	9874.59	6003.95	3768.58	2621.36	1952.20	1484.41
210.0	20711.48	19383.92	14369.88	9052.73	5545.83	3482.35	2425.68	1787.22	1377.90
240.0	20511.96	19023.25	14411.32	9024.34	5448.37	3921.29	2417.23	1781.85	1344.44
270.0	20450.57	17580.58	12383.15	7605.46	4628.81	3018.86	2187.79	1519.71	1258.65
300.0	20519.63	17450.13	12308.71	7458.89	4673.32	3061.06	2157.09	1616.09	1246.99
330.0	20274.07	15301.48	10857.60	6746.00	4179.13	2790.18	2025.11	1510.12	1183.52
360.0	20558.00	17143.18	11610.40	7182.64	4458.45	2994.30	2155.56	1652.16	1262.33
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	972.27	768.91	603.16	485.75	391.36	327.13	275.18	238.50	207.27
30.0	1025.21	800.37	629.25	503.40	414.38	343.02	291.22	248.86	216.02
60.0	1014.01	800.83	632.01	507.70	412.77	344.94	290.45	247.94	217.01
90.0	1088.91	857.93	664.55	537.93	435.87	387.52	301.89	255.69	221.85
120.0	1092.36	859.92	675.37	544.76	439.55	360.97	304.57	257.92	221.85
150.0	1178.69	915.48	714.43	567.86	462.73	389.83	316.01	269.35	230.60
180.0	1143.47	883.63	699.54	555.04	450.53	367.96	306.72	260.14	225.92
210.0	1066.65	843.04	661.32	530.79	436.18	358.83	302.27	258.07	224.69
240.0	1044.40	818.79	645.36	515.68	424.36	351.61	297.43	255.00	220.62
270.0	974.18	760.39	603.77	484.75	394.74	325.83	277.10	237.20	206.12
300.0	959.22	753.56	600.86	480.38	393.66	330.51	278.10	238.50	208.34
330.0	930.75	729.54	575.30	465.26	385.07	318.69	270.35	234.05	203.20
360.0	972.27	768.91	603.16	485.75	391.36	327.13	275.18	238.50	207.27
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	183.10	165.75	150.41	137.44	126.85	118.18	110.43	104.21	98.22
30.0	191.00	172.12	155.78	142.42	131.60	122.01	114.72	108.12	101.98
60.0	191.23	170.89	154.70	142.04	130.45	121.40	113.73	106.97	101.14
90.0	194.38	173.43	156.39	143.42	130.99	121.32	113.03	105.97	99.84
120.0	194.30	173.58	156.16	141.96	130.22	120.02	112.11	105.44	99.76
150.0	200.75	177.34	159.69	144.73	132.60	121.78	113.49	107.05	100.68
180.0	198.60	176.34	159.69	145.34	133.29	123.09	115.26	107.89	101.60
210.0	198.29	178.18	160.69	146.88	134.90	124.70	117.10	110.20	104.13
240.0	193.99	174.50	157.47	143.73	132.68	122.55	114.80	107.97	101.98
270.0	183.94	165.45	150.79	137.97	126.92	117.79	110.27	103.90	97.92
300.0	183.63	164.83	149.25	136.90	125.85	116.64	109.73	103.52	98.07
330.0	181.25	162.76	147.57	135.29	124.62	116.18	109.04	102.98	97.23
360.0	183.10	165.75	150.41	137.44	126.85	118.18	110.43	104.21	98.22
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	92.78	87.71	82.49	77.66	73.05	68.53	63.77	58.86	53.49
30.0	96.46	91.47	86.10	80.88	76.20	70.68	65.07	59.63	54.18
60.0	95.85	90.63	85.33	80.42	75.59	70.21	64.84	59.63	53.87
90.0	94.23	89.55	84.33	79.35	74.74	69.91	65.38	60.55	55.33
120.0	94.46	89.94	84.95	80.42	75.74	70.98	65.46	59.70	54.41
150.0	95.46	90.70	86.10	81.34	76.89	72.13	66.84	61.31	55.79
180.0	96.31	91.09	85.95	80.80	76.35	71.67	67.15	62.39	57.09
210.0	98.61	93.31	88.02	83.03	78.20	73.13	67.68	62.00	56.48
240.0	96.38	91.24	86.10	80.80	76.28	70.83	65.92	60.78	55.40
270.0	92.93	87.86	82.57	77.74	73.36	68.60	64.00	59.16	53.87
300.0	92.85	88.25	83.49	79.12	74.59	69.22	64.00	58.47	52.72
330.0	92.09	87.40	82.19	77.74	72.82	67.68	62.31	56.79	51.41
360.0	92.78	87.71	82.49	77.66	73.05	68.53	63.77	58.86	53.49

# 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	47.96	42.13	35.38	29.39	22.79	16.19	9.82	3.38	0.31
30.0	48.42	42.44	36.30	29.77	23.48	16.96	10.67	4.37	0.38
60.0	48.19	42.36	35.84	29.39	22.94	16.96	11.05	4.53	0.38
90.0	49.80	44.35	38.06	31.92	25.55	18.95	12.74	5.83	0.92
120.0	48.88	42.97	36.91	31.00	24.79	18.57	12.58	6.14	1.00
150.0	50.49	44.74	38.91	32.54	26.40	19.95	13.66	7.29	1.76
180.0	51.64	45.97	39.44	33.00	26.93	19.95	13.74	7.37	1.38
210.0	50.57	44.66	38.22	31.92	25.32	18.95	12.89	6.22	0.84
240.0	49.80	43.97	37.91	31.39	24.94	18.42	12.43	5.83	0.77
270.0	48.73	42.28	36.22	29.93	23.48	16.88	10.82	4.14	0.38
300.0	47.12	41.59	35.15	28.78	22.87	16.11	10.21	4.07	0.38
330.0	45.97	39.75	33.30	27.40	20.87	14.81	8.82	2.92	0.31
360.0	47.96	42.13	35.38	29.39	22.79	16.19	9.82	3.38	0.31
C/γ(°)	90.0								
0.0	0.08								
30.0	0.08								
60.0	0.15								
90.0	0.08								
120.0	0.08								
150.0	0.15								
180.0	0.23								
210.0	0.15								
240.0	0.08								
270.0	0.08								
300.0	0.08								
330.0	0.08								
360.0	0.08								