

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3082B5-18-UN-RC-Y(20-XL-18RGBWN-AJ, L480mm, C, CT)

报告编号:

电压(V): 201.7000

测试编号: 20210225001

电流(A): 0.6560

光源规格型号: XL

功率(W): 131.1000

每个光源光通量(lm)

功率因数: 0.9910

光源数量: 18

镇流器型号:

发光面长度(mm): 420

发光面宽度(mm): 105

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): 5565.69

灯具效能(lm/w): 42.45

中心光强(cd): 23827.030

最大光强(cd): 25192.950

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=22.2

[C90/270]Total=22.2

光束扩散角(10%Imax): [C0/180]Total=43.0

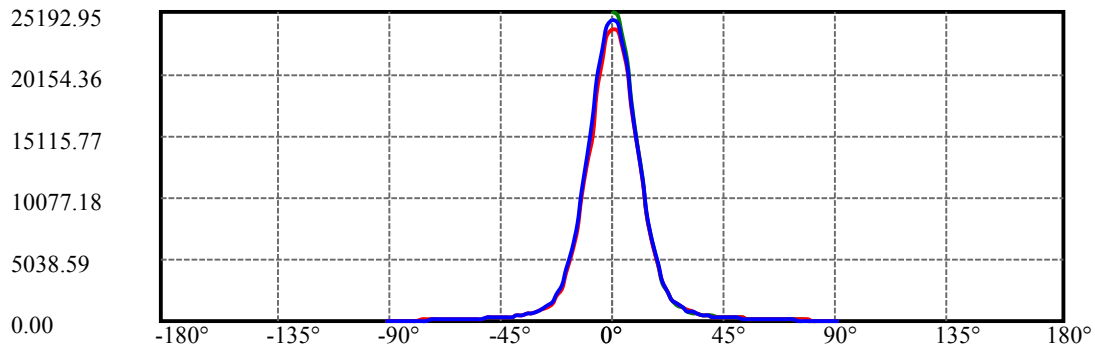
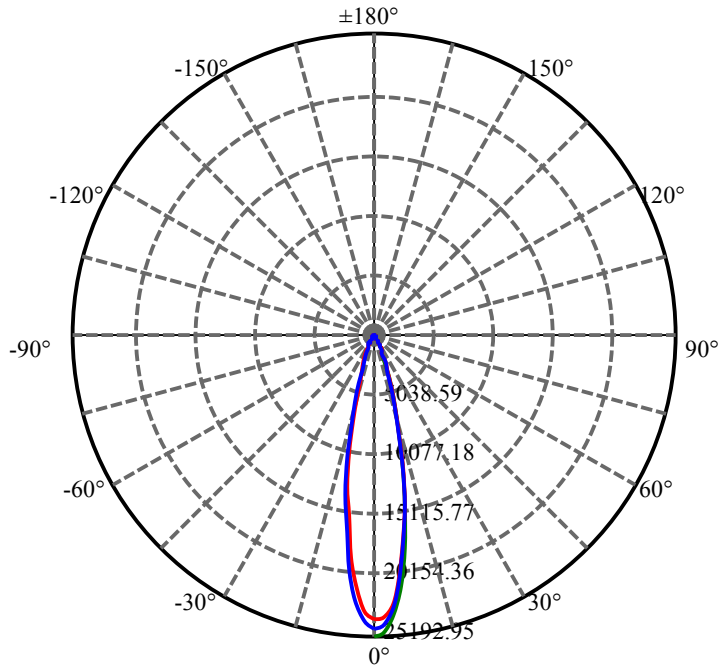
[C90/270]Total=43.3

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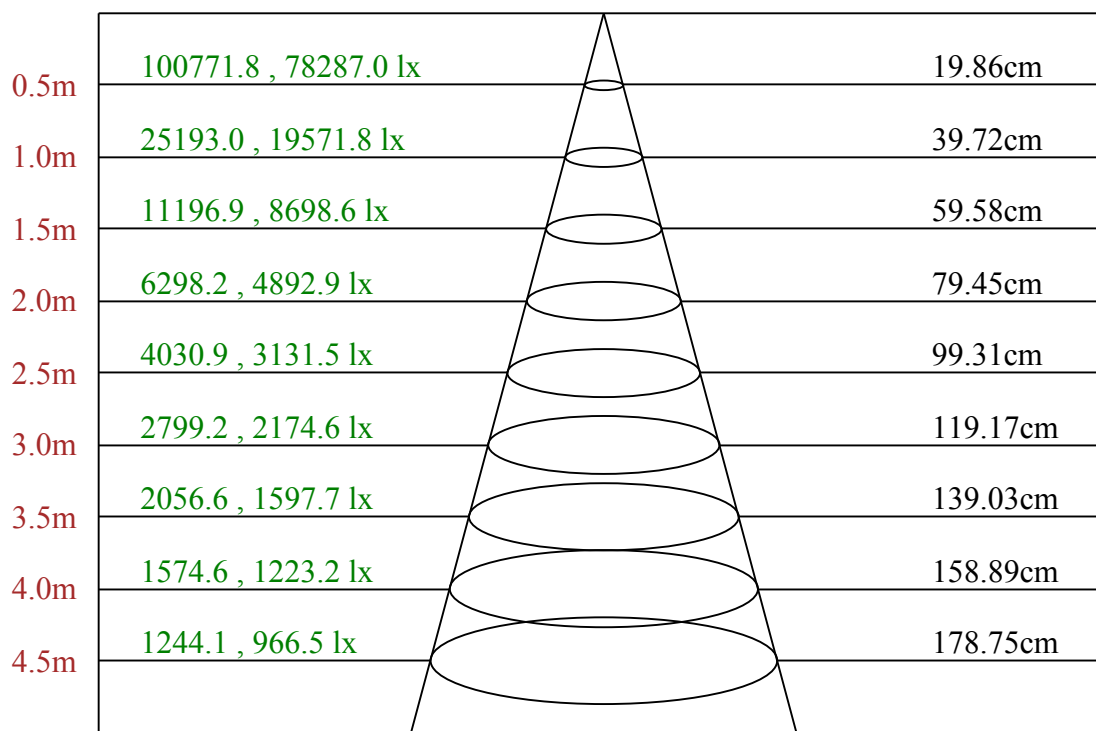
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/25  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

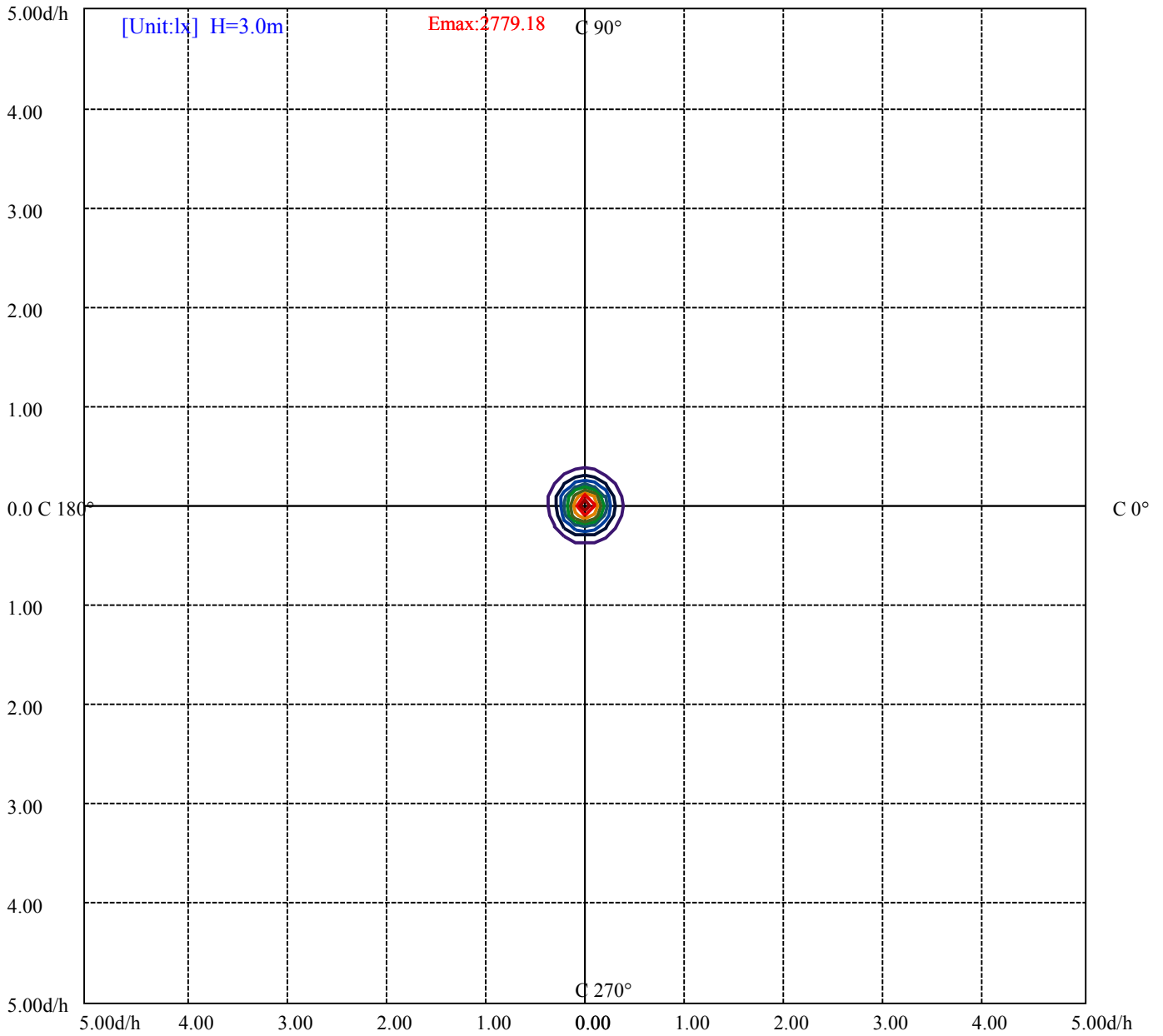


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角22.47

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 277.9178
- (20%Emax) 555.8344
- (30%Emax) 833.7522
- (40%Emax) 1111.667
- (50%Emax) 1389.589
- (60%Emax) 1667.5
- (70%Emax) 1945.422
- (80%Emax) 2223.333
- (90%Emax) 2501.256

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# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

附页 第 5页 共8页

亮度值表

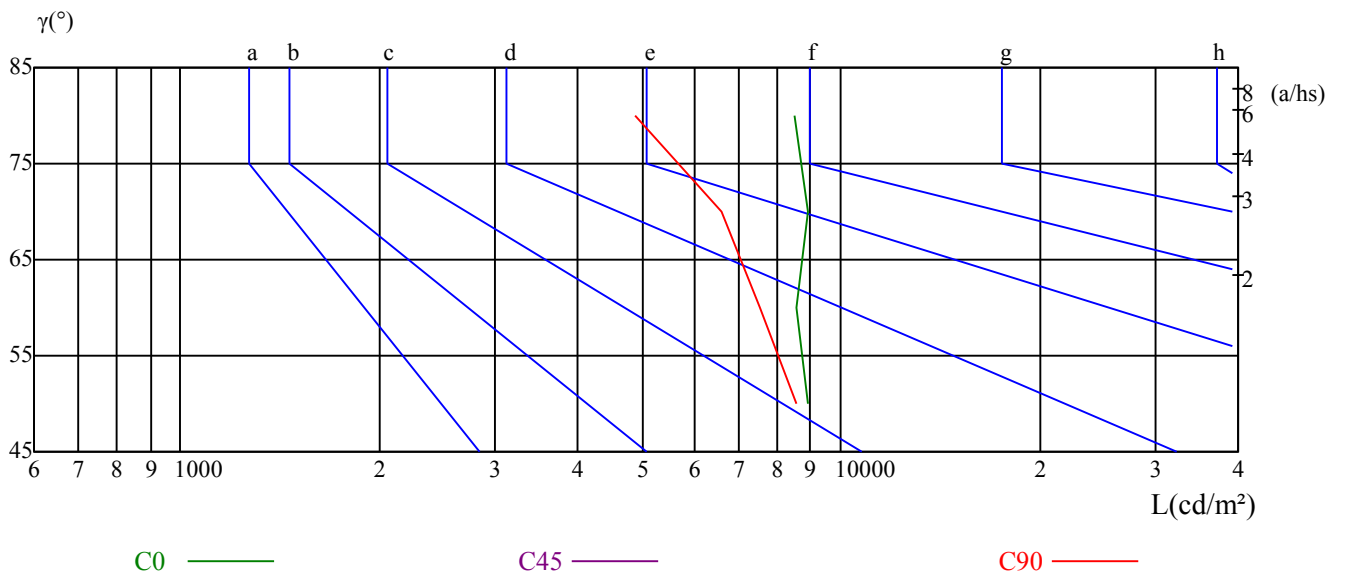
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	8936	0	8582	0	8949	0	8518	0
C45	0	0	0	0	0	0	0	0	0
C90	0	8595	0	7531	0	6594	0	4870	0

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



测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/25  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

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	8.80	9.86	9.17	10.18	10.49	9.28	10.34	9.64	10.65	10.97
	3H	10.40	11.35	10.79	11.68	12.05	11.41	12.35	11.79	12.68	13.05
	4H	10.95	11.83	11.36	12.18	12.57	12.17	13.04	12.57	13.39	13.78
	6H	11.29	12.09	11.71	12.47	12.86	12.71	13.51	13.13	13.89	14.28
	8H	11.36	12.12	11.80	12.51	12.92	12.89	13.65	13.33	14.04	14.45
	12H	11.42	12.14	11.85	12.52	12.95	13.12	13.84	13.55	14.22	14.65
4H	2H	9.53	10.41	9.94	10.76	11.15	9.89	10.77	10.30	11.12	11.51
	3H	11.29	12.01	11.71	12.42	12.82	12.26	12.98	12.68	13.39	13.80
	4H	11.93	12.57	12.36	12.99	13.44	13.11	13.75	13.55	14.18	14.62
	6H	12.28	12.83	12.75	13.28	13.76	13.64	14.19	14.11	14.64	15.11
	8H	12.38	12.89	12.85	13.34	13.82	13.85	14.37	14.33	14.81	15.29
	12H	12.44	12.88	12.93	13.37	13.85	14.08	14.52	14.57	15.01	15.49
8H	4H	12.25	12.76	12.72	13.21	13.69	13.27	13.79	13.75	14.24	14.71
	6H	12.73	13.14	13.24	13.64	14.13	13.91	14.32	14.42	14.82	15.30
	8H	12.89	13.25	13.42	13.77	14.27	14.19	14.55	14.72	15.07	15.57
	12H	13.48	13.79	14.00	14.29	14.87	14.93	15.24	15.45	15.74	16.32
12H	4H	12.25	12.70	12.75	13.19	13.67	13.25	13.70	13.74	14.19	14.67
	6H	13.12	13.14	13.31	13.61	14.16	14.26	14.28	14.45	14.75	15.30
	8H	12.97	13.28	13.49	13.78	14.36	14.23	14.54	14.75	15.04	15.62
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.2/-0.6					
S = 1.5H	0.8/-0.8					0.8/-0.7					
S = 2.0H	1.6/-1.0					0.9/-0.7					
标准表格	BK3					BK3					
更正系数	0.2					1.2					

# ROLED 投光灯

光强数据表(cd)

附页 第7页 共8页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	23827.02	23619.83	22476.44	20297.10	17381.07	14349.93	11219.04	8563.92	6330.85
30.0	25192.95	24855.31	23451.01	21072.14	18017.99	14488.06	11533.66	8663.68	6376.89
60.0	24832.29	24348.84	22852.46	20481.27	17327.35	14093.63	11176.06	8367.47	6140.54
90.0	24533.01	24210.71	22860.13	20696.13	17665.00	14465.04	11426.23	8763.43	6438.28
120.0	24272.10	23773.31	22223.21	19905.73	16874.60	13729.89	10739.43	8213.99	6059.97
150.0	24049.56	23550.77	22054.39	19652.50	16675.08	13567.21	10781.63	8134.19	6000.88
180.0	23827.02	23121.04	21210.27	18670.26	15215.53	12812.11	9942.89	7442.78	5495.18
210.0	25192.95	24556.03	22906.17	20166.64	17020.40	13705.34	10763.98	8078.17	5884.24
240.0	24832.29	24302.80	22768.05	20166.64	17219.92	14073.68	10958.13	8233.94	6062.27
270.0	24533.01	23926.78	22207.86	19713.89	16698.10	13491.24	10475.45	8025.22	5832.06
300.0	24272.10	23880.74	22445.75	20228.03	17273.63	14112.04	11019.52	8510.20	6300.16
330.0	24049.56	23650.53	22207.86	19844.34	16943.66	13870.32	10793.14	8193.27	6120.59
360.0	23827.02	23619.83	22476.44	20297.10	17381.07	14349.93	11219.04	8563.92	6330.85
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4604.26	3291.28	2404.96	1751.15	1332.93	1050.54	862.53	718.26	601.62
30.0	4535.19	3195.35	2325.15	1714.32	1300.70	1023.68	841.04	702.92	599.32
60.0	4262.77	3061.06	2205.44	1526.77	1269.55	1004.80	826.54	689.33	583.44
90.0	4642.62	3360.34	2406.49	1773.41	1339.84	1056.68	848.72	707.52	597.02
120.0	4455.39	3193.82	2324.38	1725.06	1343.91	1059.82	859.00	714.73	599.63
150.0	4420.09	3143.17	2295.22	1694.37	1285.35	1012.94	834.91	691.41	583.21
180.0	3879.85	2714.98	1982.90	1476.28	1140.40	929.22	773.05	651.20	550.21
210.0	4102.39	2907.59	1864.72	1518.56	1219.90	968.51	802.21	673.99	578.06
240.0	4243.59	3005.81	2201.60	1624.53	1251.59	992.22	814.19	680.66	582.44
270.0	4216.73	3028.07	2187.79	1515.64	1280.44	1007.87	816.64	689.95	581.59
300.0	4527.52	3326.57	2430.28	1797.96	1383.58	1103.49	885.55	738.98	619.27
330.0	4419.32	3247.54	2344.33	1730.43	1334.47	1061.51	859.92	713.66	604.92
360.0	4604.26	3291.28	2404.96	1751.15	1332.93	1050.54	862.53	718.26	601.62
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	514.14	445.08	389.06	349.08	319.61	293.14	271.27	253.31	238.50
30.0	514.91	450.45	397.50	358.36	323.22	295.52	274.18	256.46	241.95
60.0	501.56	441.16	392.97	353.61	318.46	290.99	268.89	251.32	235.89
90.0	506.47	436.64	389.83	339.18	305.42	281.32	260.91	243.64	225.61
120.0	512.68	443.62	393.59	349.69	317.31	289.99	267.43	248.55	233.05
150.0	501.86	435.87	388.29	346.39	312.94	285.92	265.82	248.63	234.43
180.0	476.00	414.77	367.65	333.50	306.11	281.70	260.68	245.25	230.83
210.0	497.49	440.09	387.22	347.93	315.62	289.53	270.12	253.92	240.65
240.0	498.79	434.33	389.83	347.31	315.31	288.92	268.12	250.39	236.74
270.0	498.87	432.72	378.09	335.57	304.03	279.79	260.22	244.79	228.98
300.0	524.89	453.52	399.80	354.76	319.54	292.91	270.42	253.23	237.35
330.0	518.36	451.98	390.98	349.39	315.08	289.91	268.20	251.16	236.89
360.0	514.14	445.08	389.06	349.08	319.61	293.14	271.27	253.31	238.50
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	225.15	213.18	200.98	189.23	179.26	169.21	158.92	147.64	134.98
30.0	230.06	219.85	209.95	201.36	192.69	183.48	173.58	160.30	144.19
60.0	222.62	209.49	193.84	178.88	165.29	152.86	139.20	124.47	109.81
90.0	208.57	192.76	179.34	166.06	152.55	139.97	126.92	113.19	99.45
120.0	220.24	206.35	191.77	177.72	164.76	151.79	138.43	123.70	108.35
150.0	222.69	212.64	203.58	195.91	189.31	180.95	170.59	155.70	139.20
180.0	217.63	205.58	193.53	182.56	172.66	163.30	153.24	141.73	128.15
210.0	228.98	218.70	208.80	199.90	191.77	183.02	173.04	159.69	143.19
240.0	223.61	212.10	198.83	182.56	168.52	154.78	141.27	125.54	111.12
270.0	212.56	195.45	181.02	167.13	153.86	140.74	127.77	114.19	100.60
300.0	224.46	212.41	199.75	184.55	170.51	157.62	143.04	128.61	113.19
330.0	224.61	214.48	205.12	198.21	191.23	182.64	172.74	159.23	142.89
360.0	225.15	213.18	200.98	189.23	179.26	169.21	158.92	147.64	134.98

# ROLED 投光灯

## 光强数据表(cd)

附页 第 8页 共8页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	120.48	106.36	92.78	79.35	65.23	49.88	37.29	23.48	11.13
30.0	125.16	104.13	81.88	62.69	48.88	34.07	24.10	10.59	4.07
60.0	94.62	79.50	65.07	54.33	45.43	23.40	11.89	8.29	2.99
90.0	86.48	73.82	63.54	56.56	37.29	20.49	13.74	7.75	3.30
120.0	93.70	78.50	64.69	53.10	41.67	20.11	11.13	7.67	2.84
150.0	118.94	97.92	76.43	58.55	45.51	31.16	22.56	7.44	2.76
180.0	113.88	99.61	86.33	72.98	56.56	43.28	30.00	17.34	3.68
210.0	125.47	103.98	80.96	61.08	47.04	32.00	23.64	8.44	3.38
240.0	95.46	80.96	66.07	54.18	46.35	24.48	14.35	8.59	3.99
270.0	86.48	73.74	63.85	56.02	34.61	20.26	15.73	6.45	4.22
300.0	98.07	82.65	67.38	55.40	47.12	25.71	13.81	9.06	4.14
330.0	125.47	104.06	81.88	61.85	47.96	33.00	23.79	9.82	4.14
360.0	120.48	106.36	92.78	79.35	65.23	49.88	37.29	23.48	11.13

C/γ(°)	90.0
0.0	1.15
30.0	1.23
60.0	1.23
90.0	1.15
120.0	1.00
150.0	0.69
180.0	0.46
210.0	0.84
240.0	0.69
270.0	0.61
300.0	1.07
330.0	1.38
360.0	1.15