

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3083A-24-UN-RC-Y(15-XL-24RGBWH-AJ, L610mm, C, CT)

报告编号:

电压(V): 202.0000

测试编号: 20210226007

电流(A): 0.5010

光源规格型号: XL

功率(W): 99.7000

每个光源光通量(lm)

功率因数: 0.9850

光源数量: 24

镇流器型号:

发光面长度(mm): 550

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): 5193.23

灯具效能(lm/w): 52.09

中心光强(cd): 43095.840

最大光强(cd): 44423.400

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=15.8

[C90/270]Total=15.7

光束扩散角(10%Imax): [C0/180]Total=29.9

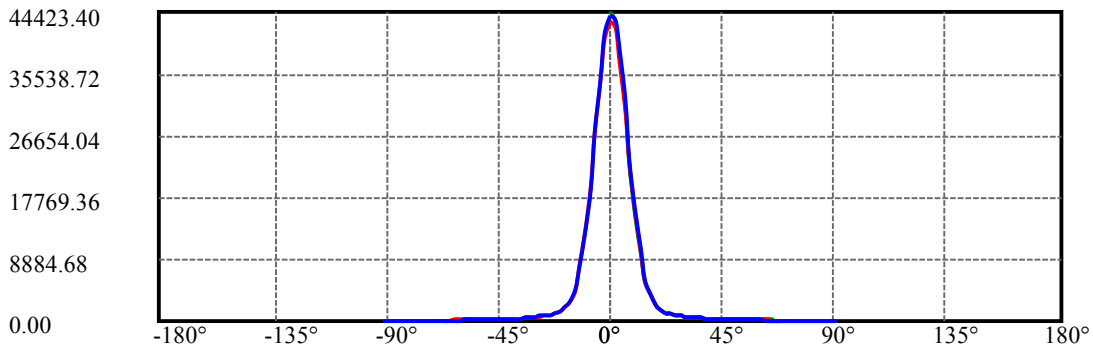
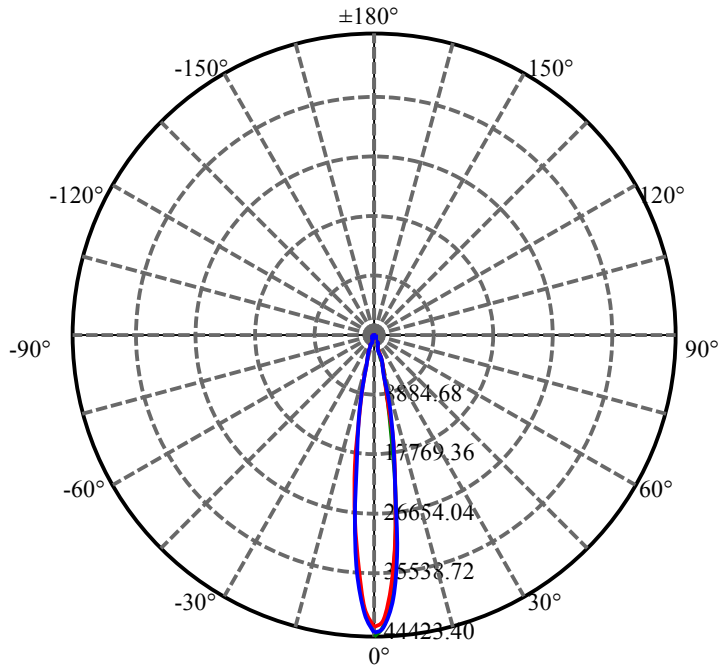
[C90/270]Total=29.8

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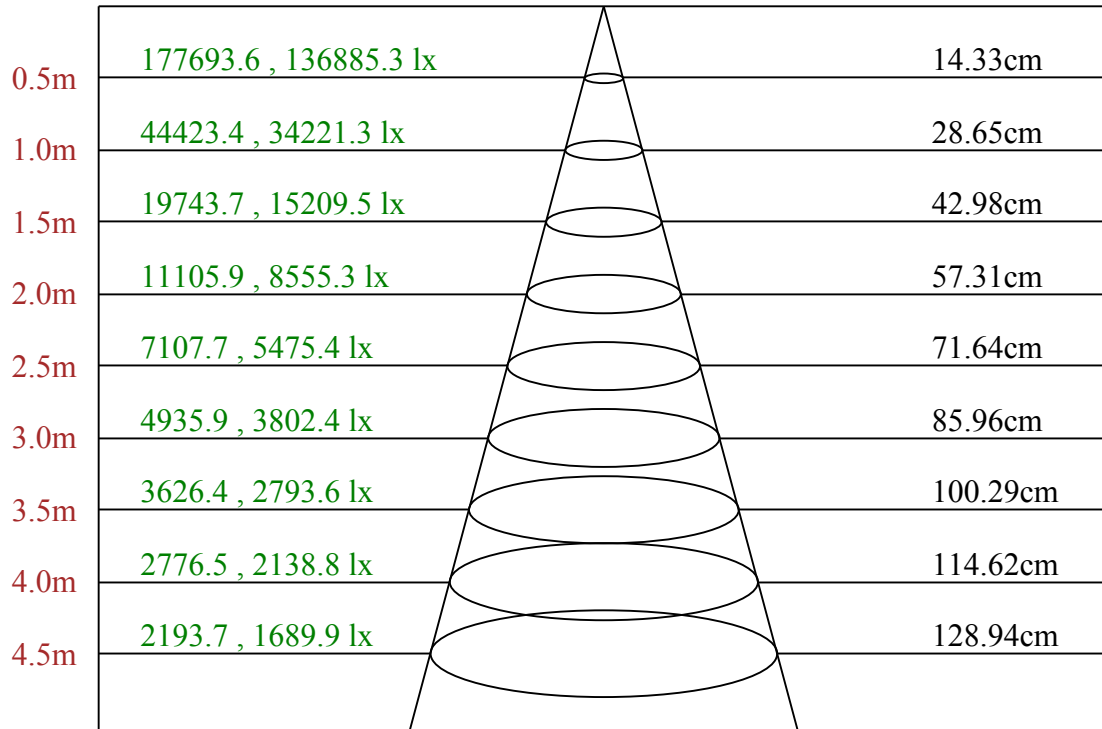
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/26  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

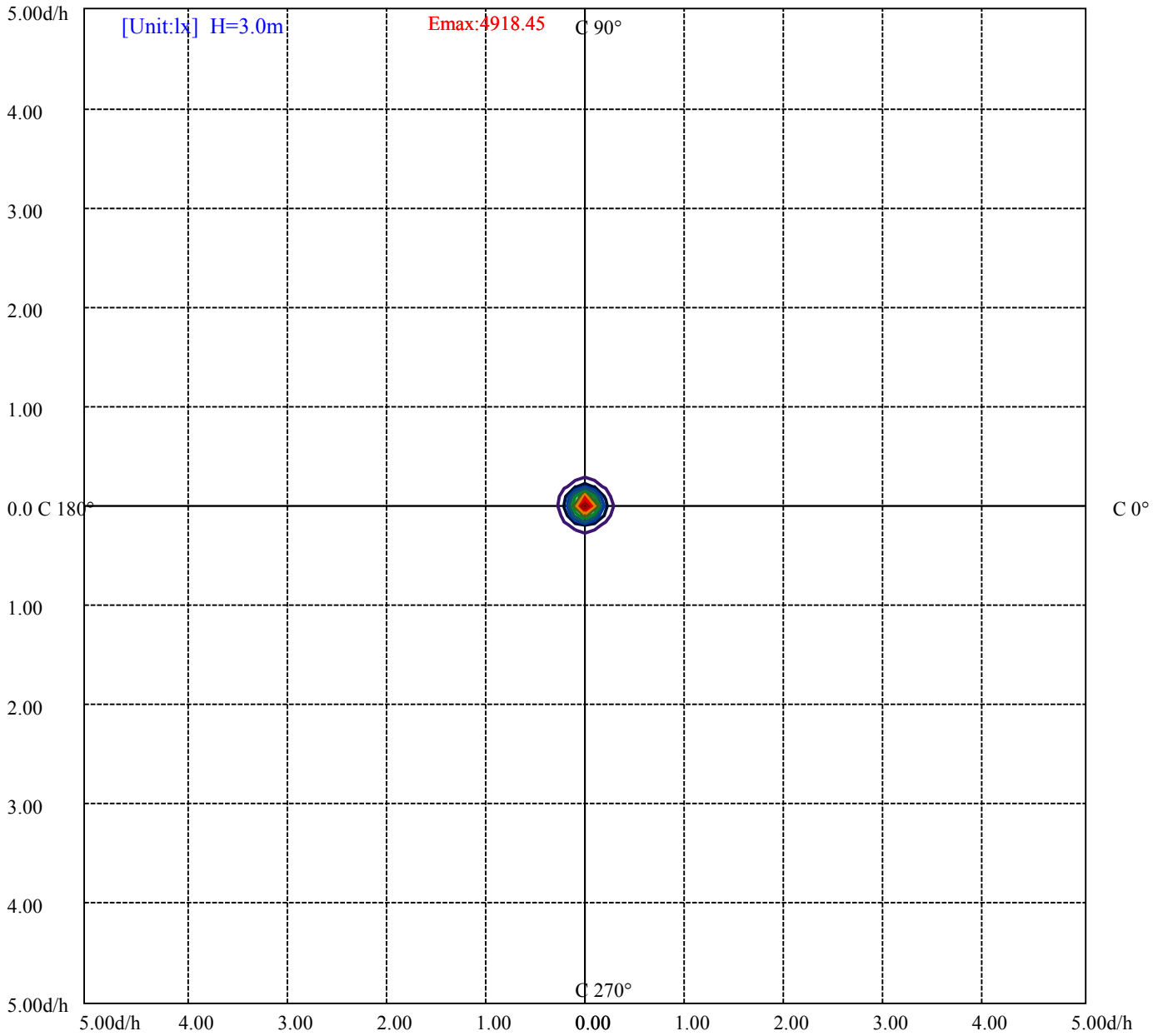


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角16.31

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 491.8433
- (20%Emax) 983.6878
- (30%Emax) 1475.533
- (40%Emax) 1967.378
- (50%Emax) 2459.222
- (60%Emax) 2951.067
- (70%Emax) 3442.911
- (80%Emax) 3934.756
- (90%Emax) 4426.589

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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

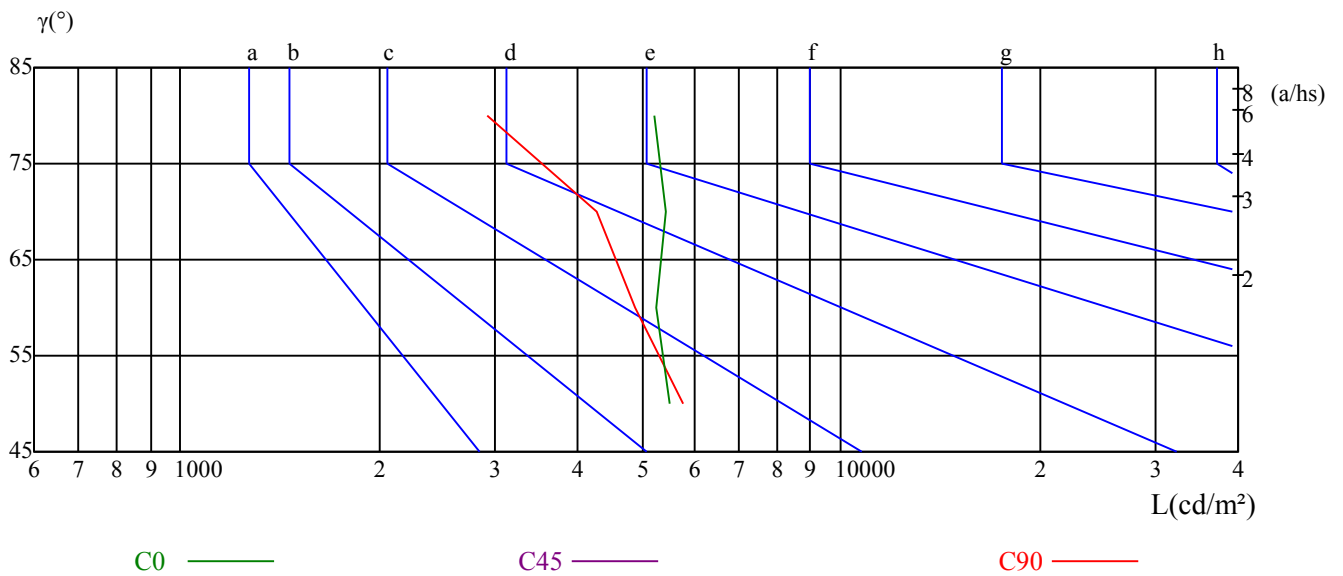
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5520	0	5259	0	5428	0	5219	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5790	0	4882	0	4274	0	2923	0

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	7.04	8.08	7.41	8.39	8.70	7.35	8.39	7.72	8.70	9.01
	3H	8.59	9.50	8.97	9.84	10.20	9.44	10.36	9.82	10.69	11.06
	4H	9.15	10.00	9.55	10.35	10.74	10.24	11.09	10.64	11.44	11.83
	6H	9.44	10.22	9.86	10.59	10.99	10.81	11.59	11.23	11.96	12.36
	8H	9.48	10.21	9.92	10.61	11.02	11.00	11.73	11.43	12.12	12.53
	12H	9.52	10.21	9.95	10.60	11.03	11.22	11.92	11.66	12.31	12.74
4H	2H	7.66	8.51	8.07	8.86	9.25	7.90	8.75	8.31	9.10	9.49
	3H	9.40	10.09	9.81	10.50	10.91	10.27	10.97	10.68	11.37	11.78
	4H	10.05	10.67	10.49	11.10	11.55	11.16	11.79	11.60	12.21	12.66
	6H	10.37	10.91	10.84	11.36	11.83	11.72	12.25	12.19	12.70	13.18
	8H	10.44	10.94	10.91	11.39	11.86	11.94	12.44	12.42	12.89	13.37
	12H	10.47	10.90	10.96	11.39	11.87	12.17	12.60	12.66	13.09	13.57
8H	4H	10.37	10.87	10.84	11.32	11.79	11.33	11.83	11.81	12.28	12.76
	6H	10.81	11.20	11.32	11.71	12.19	12.00	12.40	12.51	12.90	13.38
	8H	10.93	11.28	11.46	11.80	12.30	12.29	12.64	12.82	13.16	13.66
	12H	11.49	11.79	12.01	12.29	12.87	13.00	13.30	13.52	13.80	14.38
12H	4H	10.38	10.81	10.87	11.29	11.77	11.31	11.74	11.80	12.23	12.71
	6H	11.16	11.20	11.39	11.67	12.22	12.31	12.35	12.54	12.82	13.37
	8H	11.01	11.31	11.53	11.81	12.39	12.33	12.63	12.85	13.13	13.71
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.3/-0.6					
S = 1.5H	0.8/-0.8					0.8/-0.7					
S = 2.0H	1.6/-0.9					0.8/-0.7					
标准表格	BK3					BK3					
更正系数	-1.8					-1.0					

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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	43095.84	41837.34	37010.54	30180.90	22530.16	15754.23	9807.07	5786.02	3959.66
30.0	44423.40	42857.95	37731.88	30741.08	22568.53	15224.74	9761.02	5686.26	3975.01
60.0	44108.77	42635.41	37670.49	30441.81	22077.41	14798.85	9493.21	5526.64	3188.45
90.0	43786.47	43118.86	38867.59	31761.69	23266.84	16084.20	10367.25	6146.68	3959.66
120.0	43633.00	42213.35	37363.54	30111.83	22384.36	15011.41	9600.64	5638.68	3361.87
150.0	43326.05	41875.71	36887.76	29866.27	22392.03	15163.35	9699.63	5617.19	3951.99
180.0	43095.84	40317.94	34439.83	27280.22	19545.07	13043.09	7868.67	4543.63	2747.21
210.0	44423.40	42067.55	36511.75	28561.73	20588.70	13753.68	8302.24	4857.49	2942.89
240.0	44108.77	41921.75	36596.16	28523.37	20304.77	13689.99	8425.79	4941.90	2893.01
270.0	43786.47	41023.92	34869.57	26980.94	18954.19	12638.68	7764.31	4572.79	2721.12
300.0	43633.00	41484.35	35928.54	28646.15	20588.70	13682.31	8395.09	4987.94	3075.64
330.0	43326.05	41054.62	35376.03	27809.71	20604.05	13643.95	8501.76	4882.05	3003.51
360.0	43095.84	41837.34	37010.54	30180.90	22530.16	15754.23	9807.07	5786.02	3959.66
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2206.21	1565.45	1210.15	989.92	831.84	717.50	613.13	541.77	476.54
30.0	2105.68	1527.85	1186.36	978.40	821.09	705.99	620.04	542.53	478.08
60.0	2018.97	1492.24	1168.79	964.13	809.12	695.63	608.38	540.46	478.69
90.0	2281.41	1625.30	1237.01	1020.61	861.00	746.66	646.90	566.32	494.19
120.0	2168.60	1523.16	1233.94	1008.56	857.47	737.91	645.59	571.70	507.39
150.0	2193.16	1568.52	1218.59	999.12	848.72	729.77	642.29	565.56	500.33
180.0	1866.26	1384.88	1112.08	920.01	778.43	669.00	585.66	517.60	456.05
210.0	1907.70	1414.12	1126.43	923.61	789.55	680.36	594.33	526.65	469.02
240.0	1899.26	1395.86	1114.23	910.88	770.45	664.55	583.97	517.21	461.19
270.0	1843.24	1382.66	1099.34	922.08	792.85	693.40	599.40	530.72	464.95
300.0	2004.39	1488.71	1167.95	956.15	814.19	709.82	618.51	550.98	489.59
330.0	1984.43	1490.93	1168.48	961.06	823.32	711.43	620.19	551.36	490.35
360.0	2206.21	1565.45	1210.15	989.92	831.84	717.50	613.13	541.77	476.54
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	418.99	377.93	326.37	289.91	261.37	238.96	219.70	204.89	191.31
30.0	421.29	387.52	331.66	298.13	269.35	246.02	226.91	211.26	197.06
60.0	426.35	375.40	331.89	296.82	269.96	247.17	227.68	211.49	196.37
90.0	434.33	389.06	341.33	306.64	273.88	251.62	232.13	214.94	198.60
120.0	447.15	392.36	348.70	310.33	280.25	254.00	234.59	216.40	201.13
150.0	440.47	388.29	344.40	305.88	276.79	251.01	231.13	213.33	199.21
180.0	401.80	352.92	311.55	278.40	253.77	232.59	214.94	200.75	188.31
210.0	414.31	366.35	326.75	292.75	265.82	243.10	225.46	210.11	196.45
240.0	411.31	367.50	328.28	291.76	265.97	242.87	224.38	208.42	193.92
270.0	408.93	361.89	320.61	289.22	262.75	240.27	222.00	206.65	191.00
300.0	430.50	389.06	336.65	301.66	272.57	249.93	229.45	212.33	197.75
330.0	427.66	379.47	335.50	298.74	270.58	246.86	226.61	209.72	195.68
360.0	418.99	377.93	326.37	289.91	261.37	238.96	219.70	204.89	191.31
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	179.87	169.51	161.00	151.86	143.27	134.21	125.31	117.02	107.20
30.0	185.40	175.81	166.21	157.54	148.79	140.05	131.53	122.55	113.65
60.0	183.71	173.04	161.00	146.65	133.06	121.63	110.12	99.68	88.71
90.0	183.02	166.90	152.55	140.97	129.15	118.41	107.13	95.85	84.41
120.0	187.16	175.12	163.53	149.25	135.29	122.93	111.81	100.68	90.63
150.0	186.86	176.34	167.67	158.54	149.79	140.81	132.22	123.78	115.41
180.0	178.18	168.59	159.31	150.18	141.20	131.99	123.16	114.19	104.21
210.0	185.32	175.58	166.83	157.70	148.72	139.59	130.84	121.86	111.81
240.0	181.56	170.82	158.69	143.88	131.45	119.56	108.28	97.53	86.71
270.0	175.04	160.46	146.72	134.98	123.62	112.65	101.45	90.63	78.81
300.0	184.25	172.97	160.77	146.80	133.14	121.40	109.35	98.76	88.09
330.0	183.86	173.96	163.99	155.24	146.65	137.97	130.07	122.17	113.96
360.0	179.87	169.51	161.00	151.86	143.27	134.21	125.31	117.02	107.20

# 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	97.38	86.94	76.66	65.38	52.34	40.52	29.39	18.80	7.90
30.0	102.14	85.18	66.53	52.57	39.90	28.16	21.10	6.52	2.76
60.0	77.58	65.84	54.33	46.43	35.07	17.96	10.74	6.37	2.61
90.0	73.98	63.54	54.64	48.73	29.31	16.27	12.20	5.76	3.07
120.0	79.35	67.53	55.56	46.50	36.45	17.65	10.36	6.29	2.61
150.0	104.59	87.94	68.53	52.95	40.98	28.24	20.80	6.29	2.69
180.0	93.77	82.65	72.29	61.08	47.96	36.83	25.78	15.12	4.91
210.0	99.22	80.73	63.69	49.34	38.06	26.55	20.26	5.53	2.30
240.0	75.36	64.69	53.03	44.66	33.61	16.35	10.67	5.29	2.46
270.0	67.84	58.55	51.41	38.22	22.64	12.82	10.05	3.61	2.46
300.0	77.04	65.15	53.33	45.12	34.30	16.42	9.98	5.14	2.46
330.0	102.83	85.26	64.92	50.95	38.14	26.78	20.03	5.68	2.23
360.0	97.38	86.94	76.66	65.38	52.34	40.52	29.39	18.80	7.90
C/γ(°)	90.0								
0.0	0.69								
30.0	0.77								
60.0	0.84								
90.0	1.07								
120.0	0.84								
150.0	0.69								
180.0	0.31								
210.0	0.54								
240.0	0.31								
270.0	0.23								
300.0	0.31								
330.0	0.54								
360.0	0.69								