

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F2021A-16-UN (30-OL-16WN-C, P1)

报告编号:

电压(V): 220.6000

测试编号: 20210317009

电流(A): 0.1100

光源规格型号: OL

功率(W): 19.4000

每个光源光通量(lm)

功率因数: 0.8000

光源数量: 16

镇流器型号:

发光面长度(mm): 155

发光面宽度(mm): 155

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): 1709.10

灯具效能(lm/w): 88.10

中心光强(cd): 4736.245

最大光强(cd): 4750.825

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=28.8

[C90/270]Total=28.6

光束扩散角(10%Imax): [C0/180]Total=55.6

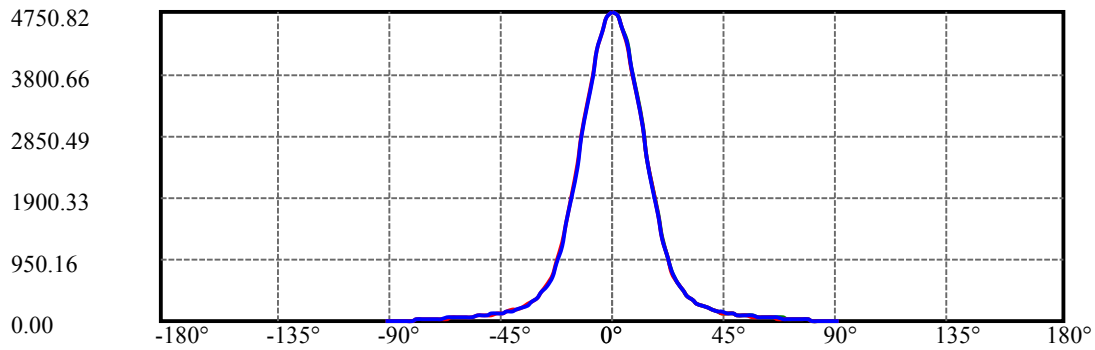
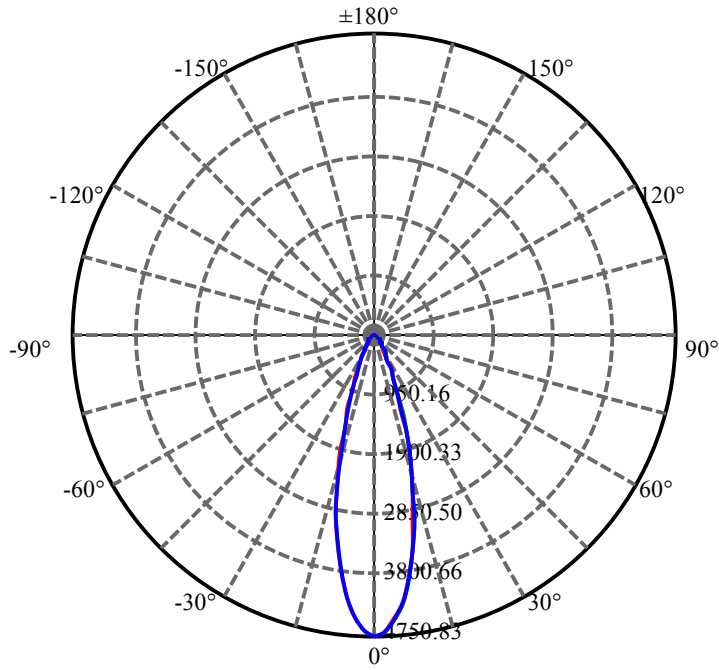
[C90/270]Total=55.2

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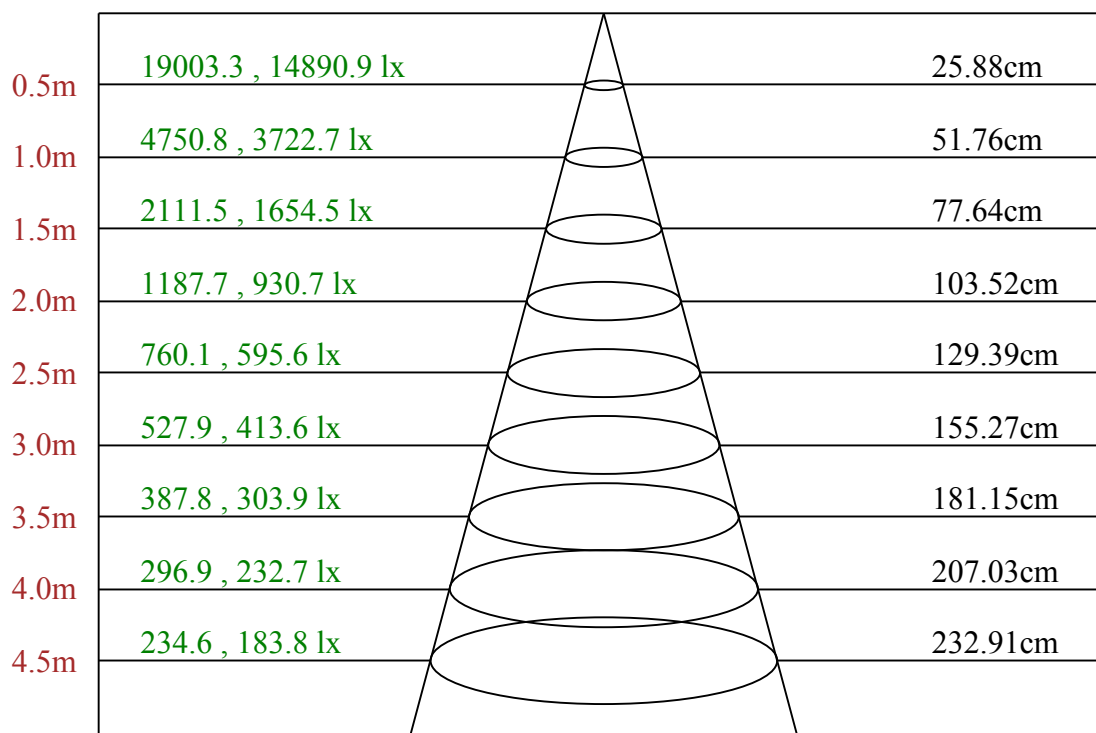
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/17  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

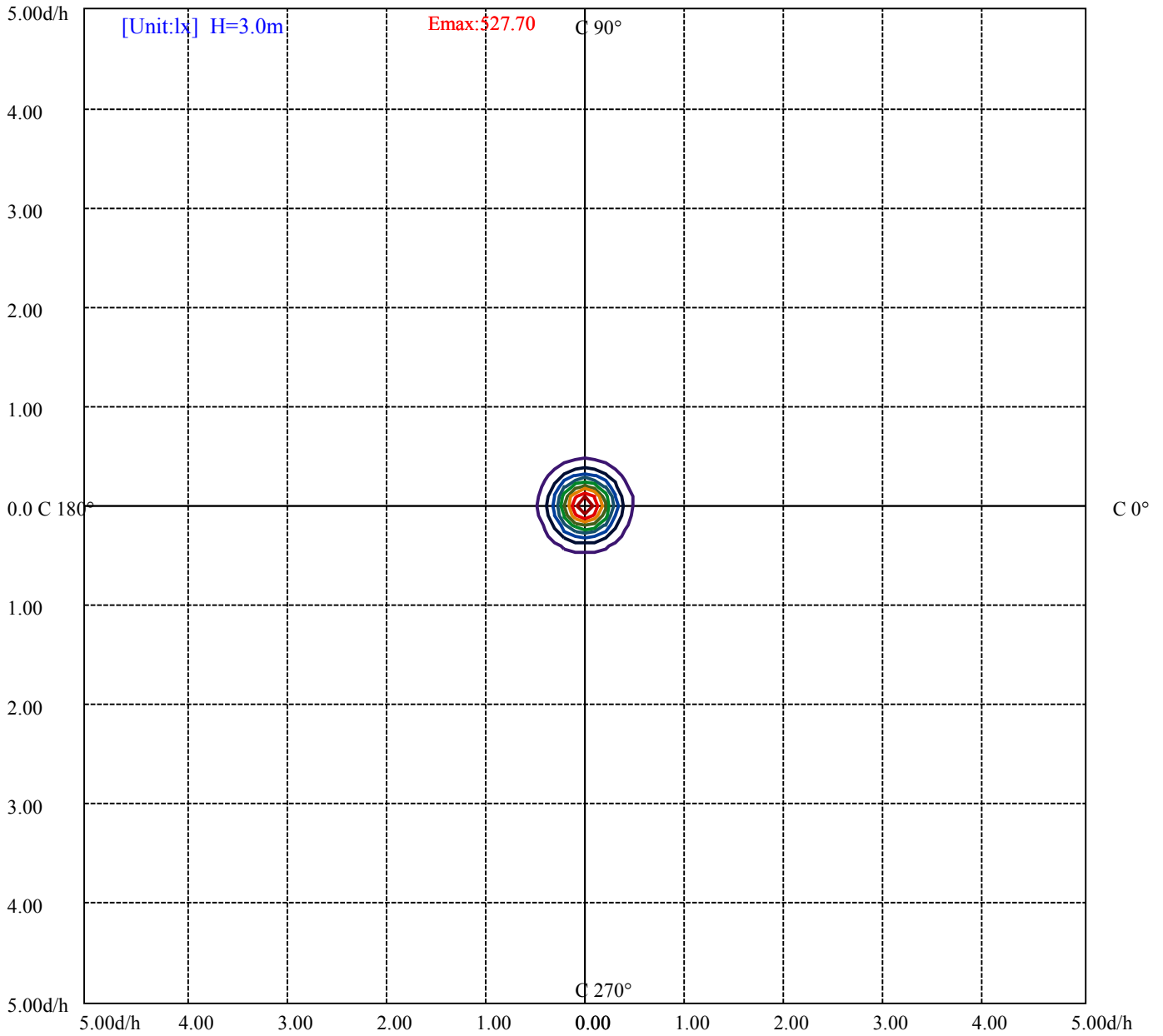


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角29.02

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 52.76989
- (20%Emax) 105.5397
- (30%Emax) 158.31
- (40%Emax) 211.0789
- (50%Emax) 263.8489
- (60%Emax) 316.6189
- (70%Emax) 369.3889
- (80%Emax) 422.1589
- (90%Emax) 474.9289

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/17  
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

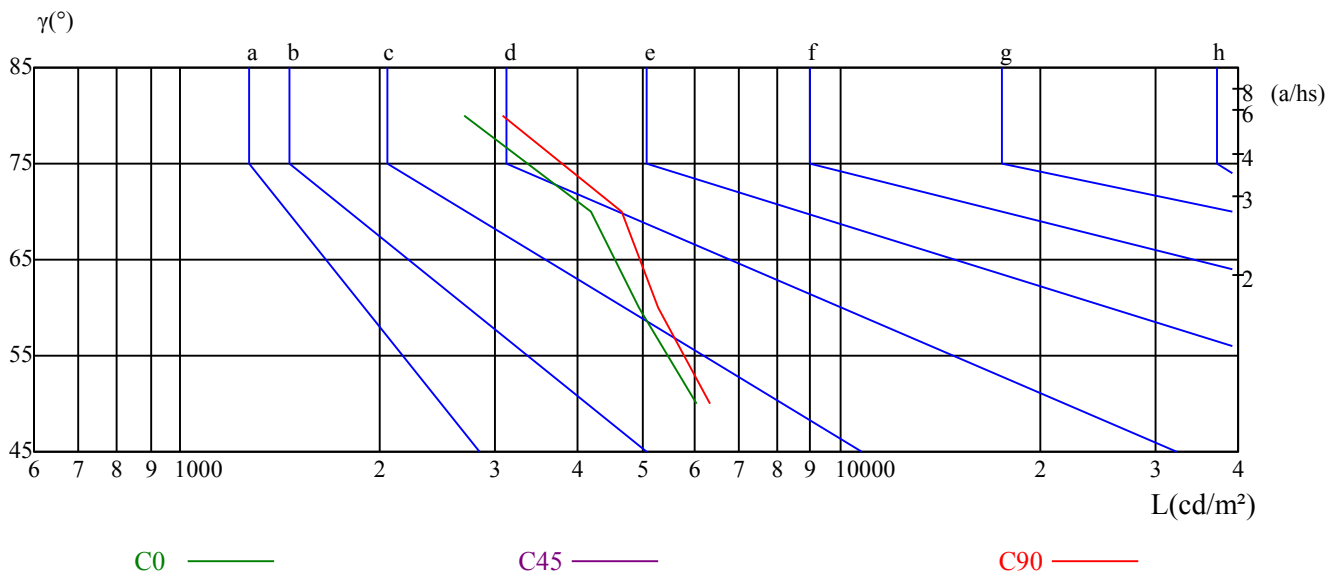
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6052	0	4944	0	4174	0	2686	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6326	0	5309	0	4669	0	3072	0

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	12.19	13.28	12.55	13.59	13.90	11.91	13.00	12.28	13.31	13.63
	3H	13.81	14.77	14.19	15.11	15.47	13.47	14.44	13.85	14.77	15.14
	4H	14.41	15.31	14.82	15.66	16.05	14.04	14.94	14.45	15.29	15.68
	6H	14.72	15.54	15.14	15.92	16.31	14.32	15.14	14.74	15.52	15.91
	8H	14.75	15.53	15.19	15.92	16.33	14.35	15.12	14.78	15.51	15.92
	12H	14.74	15.48	15.18	15.87	16.30	14.34	15.08	14.77	15.46	15.89
4H	2H	12.73	13.63	13.14	13.98	14.37	12.51	13.41	12.92	13.76	14.15
	3H	14.57	15.31	14.99	15.72	16.12	14.33	15.06	14.74	15.47	15.87
	4H	15.29	15.95	15.73	16.37	16.82	15.01	15.67	15.45	16.09	16.54
	6H	15.61	16.17	16.08	16.62	17.09	15.31	15.87	15.77	16.32	16.79
	8H	15.65	16.17	16.13	16.62	17.10	15.34	15.86	15.81	16.31	16.79
	12H	15.64	16.10	16.13	16.58	17.06	15.33	15.78	15.82	16.27	16.75
8H	4H	15.49	16.01	15.96	16.46	16.93	15.24	15.76	15.71	16.21	16.68
	6H	15.87	16.29	16.38	16.79	17.28	15.61	16.02	16.11	16.53	17.01
	8H	15.94	16.32	16.47	16.84	17.33	15.67	16.04	16.20	16.56	17.06
	12H	16.51	16.83	17.03	17.33	17.90	16.24	16.56	16.76	17.05	17.63
12H	4H	15.46	15.92	15.95	16.40	16.88	15.21	15.67	15.70	16.16	16.63
	6H	16.22	16.23	16.39	16.70	17.25	15.96	15.97	16.13	16.44	16.99
	8H	15.96	16.28	16.48	16.78	17.35	15.69	16.01	16.21	16.51	17.09
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.5/-0.7					
S = 1.5H	1.0/-0.9					1.0/-1.0					
S = 2.0H	2.3/-1.2					2.3/-1.3					
标准表格	BK3					BK3					
更正系数	-0.4					-0.6					

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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	4736.24	4680.99	4503.73	4222.10	3860.67	3446.29	2968.98	2503.18	2058.10
30.0	4750.82	4700.18	4523.68	4265.08	3905.18	3467.77	3001.97	2517.76	2065.78
60.0	4747.76	4675.62	4480.71	4193.71	3827.67	3391.80	2954.40	2472.49	2008.22
90.0	4742.38	4690.97	4518.31	4242.82	3892.13	3452.42	2989.70	2510.85	2038.92
120.0	4741.62	4672.55	4475.34	4184.50	3816.16	3374.92	2912.19	2457.14	1998.25
150.0	4737.01	4690.20	4508.33	4225.17	3872.18	3431.71	2968.21	2513.16	2040.45
180.0	4736.24	4666.41	4463.06	4159.95	3779.33	3334.25	2870.75	2414.93	1956.81
210.0	4750.82	4677.92	4470.73	4180.66	3787.00	3326.57	2850.80	2392.68	1918.44
240.0	4747.76	4693.27	4505.26	4204.45	3845.32	3398.71	2914.49	2445.63	1999.78
270.0	4742.38	4664.11	4450.01	4157.64	3761.68	3296.65	2842.36	2361.22	1910.77
300.0	4741.62	4682.53	4497.59	4205.99	3851.46	3407.15	2922.17	2479.39	2015.90
330.0	4737.01	4657.97	4456.92	4182.20	3805.42	3352.67	2881.50	2426.44	1952.20
360.0	4736.24	4680.99	4503.73	4222.10	3860.67	3446.29	2968.98	2503.18	2058.10
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1624.53	1282.29	982.24	749.73	587.04	471.17	390.59	314.01	264.51
30.0	1638.35	1285.35	983.01	756.63	587.81	471.94	389.06	316.47	264.13
60.0	1520.25	1247.75	954.92	735.15	581.90	464.34	381.39	311.55	264.59
90.0	1636.81	1269.24	985.31	758.93	591.65	475.01	387.52	316.54	264.59
120.0	1514.11	1251.97	961.45	742.13	585.81	467.26	379.31	312.48	265.51
150.0	1616.86	1268.47	971.50	749.73	583.21	467.33	388.29	314.55	262.14
180.0	1515.11	1212.07	926.99	713.89	566.17	450.99	365.88	303.27	253.85
210.0	1516.64	1188.13	903.59	698.31	551.74	437.25	355.83	296.97	247.79
240.0	1570.82	1239.31	948.48	725.94	570.16	453.52	390.59	306.95	260.14
270.0	1509.43	1164.11	885.32	692.33	543.38	431.65	354.45	292.83	244.79
300.0	1588.47	1253.89	963.06	738.22	580.14	467.33	387.52	311.94	262.60
330.0	1517.95	1217.83	929.45	727.70	562.41	450.76	365.65	303.88	253.08
360.0	1624.53	1282.29	982.24	749.73	587.04	471.17	390.59	314.01	264.51
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	224.15	193.76	167.90	147.87	130.45	116.10	103.67	93.47	84.49
30.0	224.92	193.84	170.36	149.79	132.45	118.56	106.82	97.00	89.17
60.0	226.53	197.45	172.58	151.79	135.37	120.17	108.97	98.99	90.78
90.0	226.68	195.45	171.89	151.02	133.60	119.17	107.59	97.69	89.09
120.0	226.84	196.76	171.74	151.02	133.60	119.40	108.43	98.38	90.01
150.0	222.69	192.69	167.52	147.26	130.38	117.49	105.90	96.38	88.09
180.0	216.25	186.17	163.45	143.35	126.92	112.65	100.83	91.01	82.49
210.0	212.79	182.94	160.15	141.43	125.85	113.26	102.75	93.93	85.95
240.0	221.08	191.61	166.98	147.49	131.30	117.41	106.97	97.69	89.48
270.0	209.49	183.25	159.84	141.81	126.31	113.19	103.37	94.39	86.48
300.0	223.15	195.07	168.21	149.02	132.37	118.64	106.97	97.46	89.63
330.0	216.09	187.93	163.22	143.81	127.54	114.49	103.60	94.23	86.56
360.0	224.15	193.76	167.90	147.87	130.45	116.10	103.67	93.47	84.49
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	77.27	70.68	64.61	59.39	54.25	48.73	43.05	38.83	34.30
30.0	81.88	75.36	69.68	64.61	59.86	55.63	51.03	45.66	40.06
60.0	83.41	76.89	71.29	65.99	60.93	56.02	51.80	46.81	40.90
90.0	82.19	75.59	69.52	63.77	58.55	53.26	47.42	42.97	38.37
120.0	82.65	75.97	70.60	65.30	60.24	55.48	50.80	45.28	39.67
150.0	80.96	74.59	69.06	64.46	59.86	55.71	51.64	47.27	41.90
180.0	75.66	69.14	63.39	58.09	53.18	47.96	42.97	38.37	33.99
210.0	79.19	73.44	67.84	63.00	58.47	54.18	49.88	45.20	39.60
240.0	82.26	76.12	70.37	65.61	61.01	56.10	51.64	47.12	41.05
270.0	79.58	73.44	67.68	62.31	57.94	52.64	47.12	42.13	37.45
300.0	81.80	76.05	70.14	65.00	60.09	55.33	51.11	46.20	40.29
330.0	79.73	74.05	68.14	63.69	59.16	55.02	50.80	45.97	39.90
360.0	77.27	70.68	64.61	59.39	54.25	48.73	43.05	38.83	34.30

# 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	30.00	26.63	22.48	16.04	11.20	5.91	1.53	0.92	0.46
30.0	35.22	30.00	25.71	20.34	12.12	7.75	2.61	0.92	0.38
60.0	35.61	29.93	24.79	18.26	11.20	7.14	2.53	0.92	0.38
90.0	33.84	30.08	25.17	17.65	12.82	6.52	1.46	1.00	0.54
120.0	35.07	29.77	25.25	18.57	11.51	6.83	2.30	0.92	0.46
150.0	36.45	31.00	25.86	19.80	12.82	8.21	2.92	1.00	0.38
180.0	29.93	26.24	22.48	15.58	11.28	5.37	1.46	1.00	0.46
210.0	34.76	29.47	24.94	19.57	11.43	7.06	2.15	0.92	0.38
240.0	35.68	30.70	25.55	19.03	12.43	8.06	2.92	0.92	0.38
270.0	33.00	29.31	24.17	17.19	12.43	6.22	1.61	0.92	0.46
300.0	35.30	30.31	25.63	20.18	12.43	7.60	2.61	0.92	0.54
330.0	34.84	29.31	24.63	18.65	11.28	7.37	2.38	0.84	0.31
360.0	30.00	26.63	22.48	16.04	11.20	5.91	1.53	0.92	0.46

C/γ(°)	90.0
0.0	0.08
30.0	0.00
60.0	0.08
90.0	0.00
120.0	0.08
150.0	0.08
180.0	0.00
210.0	0.08
240.0	0.08
270.0	0.15
300.0	0.08
330.0	0.08
360.0	0.08