

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3072A-48-UN(5015-OL-48WN-AA, L450mm, C, CT)

报告编号:

电压(V): 220.5000

测试编号: 20210330005

电流(A): 0.2650

光源规格型号: OL

功率(W): 53.6000

每个光源光通量(lm)

功率因数: 0.9160

光源数量: 48

镇流器型号:

发光面长度(mm): 390

发光面宽度(mm): 103

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): 5289.55

灯具效能(lm/w): 98.69

中心光强(cd): 15631.450

最大光强(cd): 15746.560

最大光强角度: C=60.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=52.4

[C90/270]Total=12.1

光束扩散角(10%Imax): [C0/180]Total=77.4

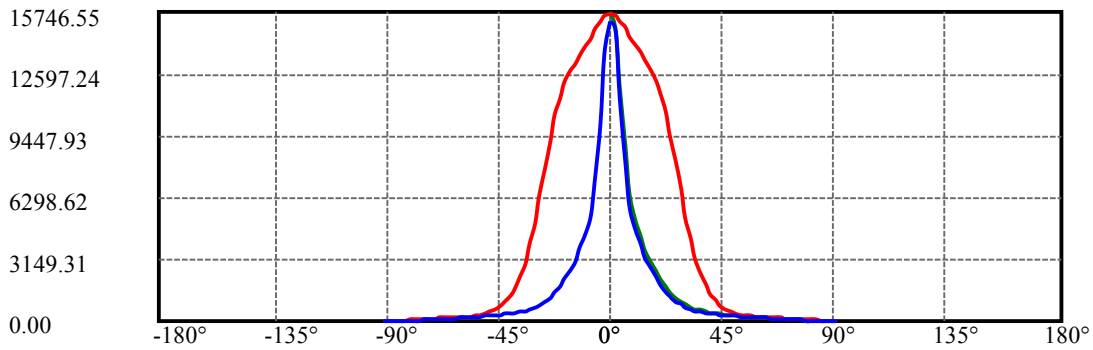
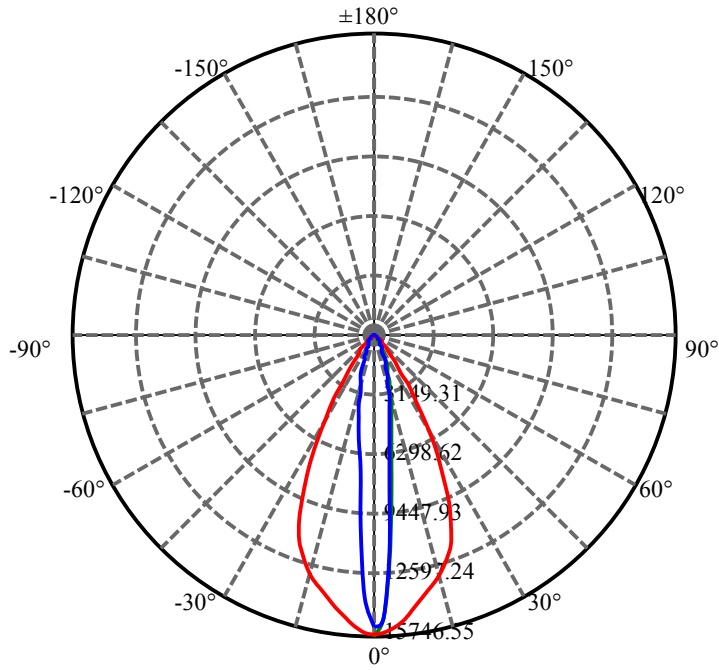
[C90/270]Total=43.2

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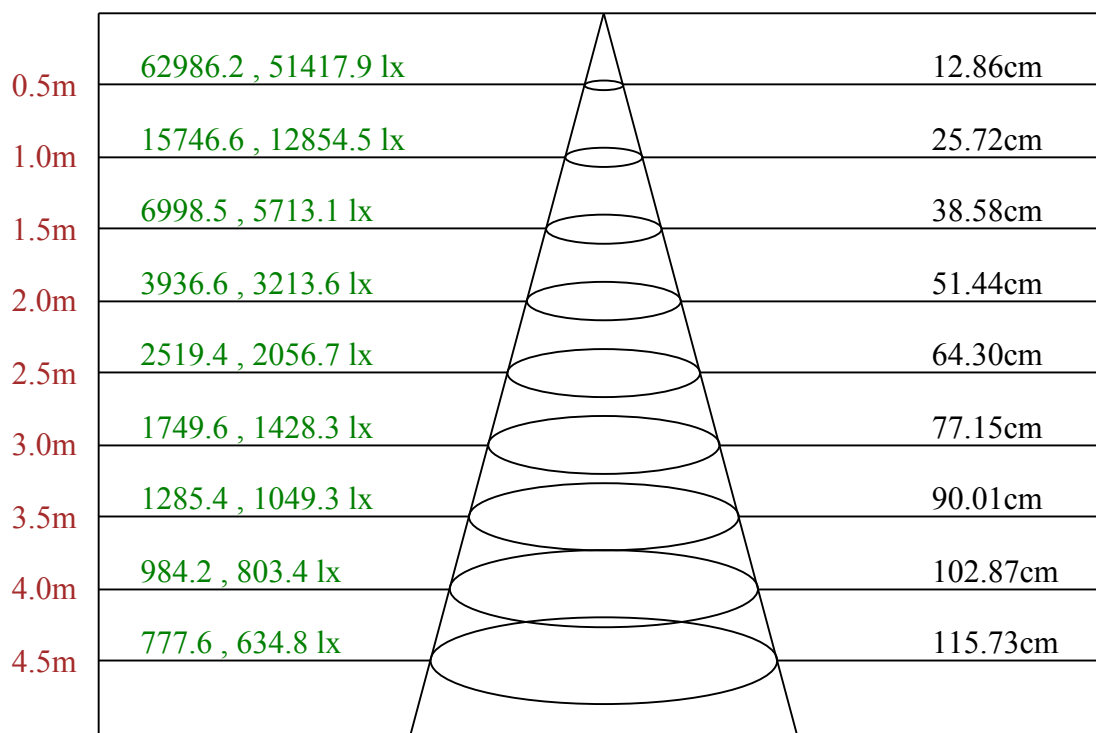
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/30  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

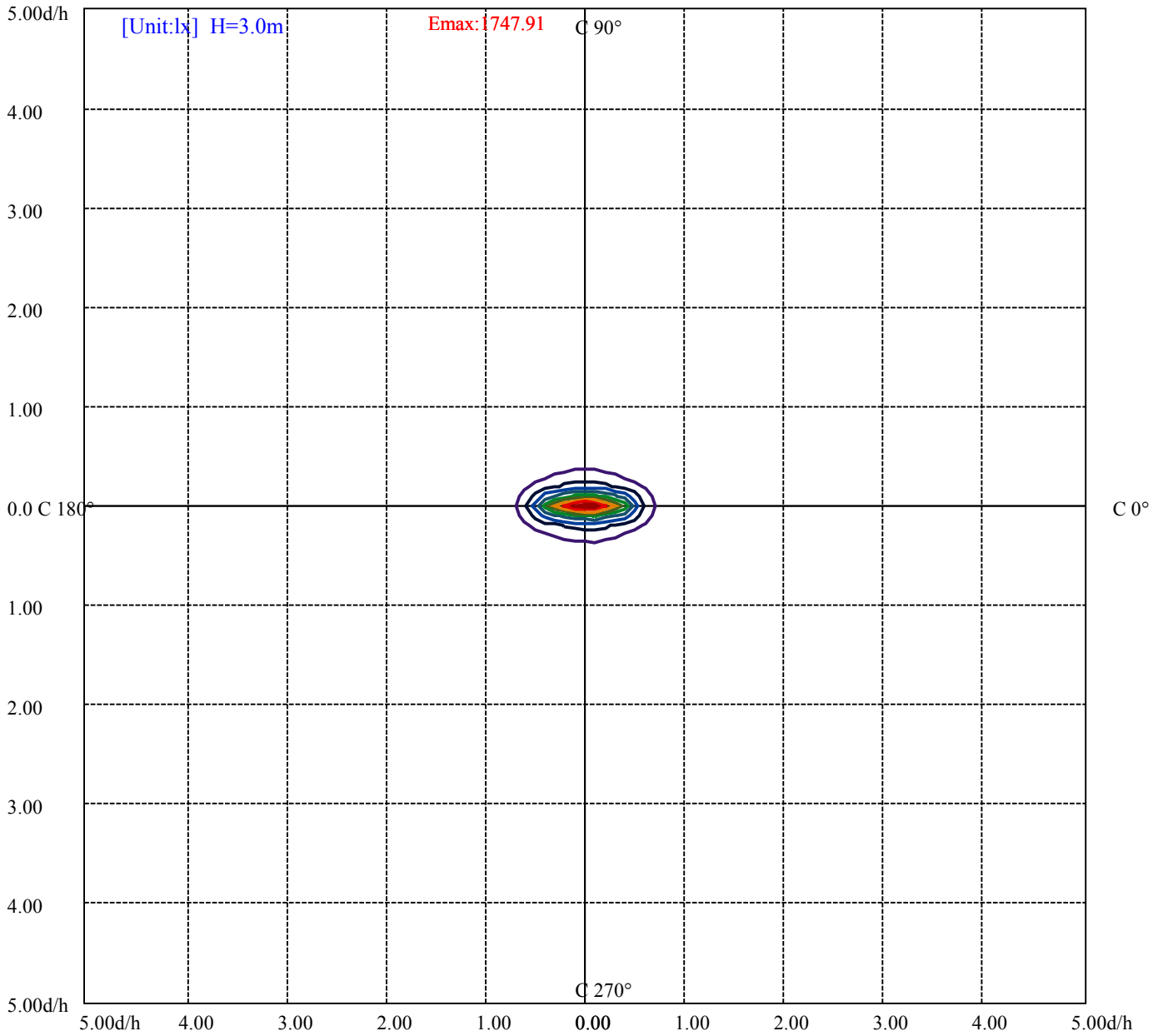


C60(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C60面光束角14.65

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 174.7911
- (20%Emax) 349.5811
- (30%Emax) 524.3723
- (40%Emax) 699.1633
- (50%Emax) 873.9544
- (60%Emax) 1048.745
- (70%Emax) 1223.533
- (80%Emax) 1398.322
- (90%Emax) 1573.122

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

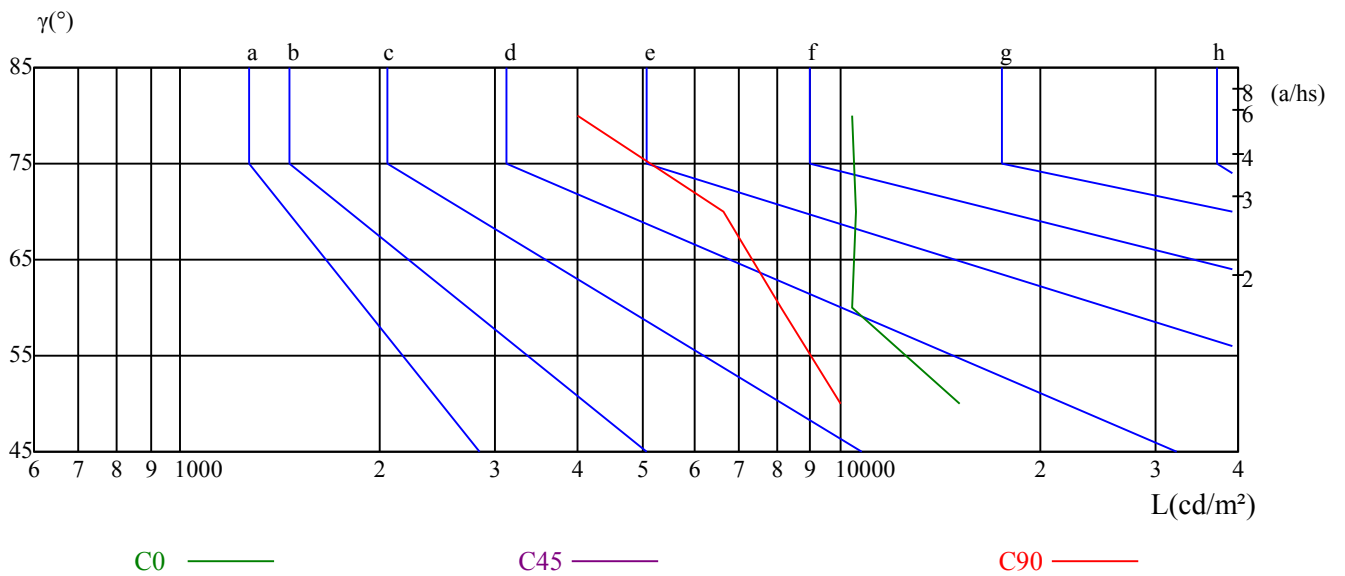
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	15127	0	10423	0	10556	0	10374	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9986	0	8111	0	6624	0	3993	0

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	9.38	10.46	9.75	10.77	11.09	10.51	11.59	10.88	11.90	12.22
	3H	10.74	11.70	11.13	12.03	12.40	12.34	13.29	12.72	13.62	13.99
	4H	11.17	12.06	11.58	12.41	12.80	13.08	13.96	13.48	14.32	14.70
	6H	11.39	12.20	11.80	12.57	12.97	13.69	14.50	14.10	14.87	15.27
	8H	11.42	12.18	11.85	12.57	12.98	13.89	14.65	14.32	15.05	15.45
	12H	11.43	12.16	11.87	12.54	12.97	14.12	14.85	14.55	15.23	15.66
4H	2H	9.96	10.84	10.36	11.19	11.58	10.87	11.75	11.28	12.11	12.50
	3H	11.50	12.22	11.91	12.63	13.04	12.87	13.60	13.29	14.00	14.41
	4H	12.03	12.68	12.47	13.10	13.55	13.72	14.37	14.15	14.79	15.24
	6H	12.28	12.83	12.75	13.28	13.75	14.33	14.89	14.80	15.34	15.81
	8H	12.32	12.84	12.79	13.29	13.76	14.59	15.11	15.07	15.56	16.04
	12H	12.34	12.79	12.83	13.27	13.75	14.84	15.29	15.33	15.78	16.25
8H	4H	12.31	12.82	12.78	13.27	13.75	13.82	14.33	14.29	14.78	15.26
	6H	12.64	13.06	13.15	13.56	14.04	14.54	14.95	15.05	15.45	15.94
	8H	12.73	13.09	13.26	13.61	14.11	14.86	15.23	15.39	15.75	16.24
	12H	13.32	13.64	13.84	14.13	14.71	15.57	15.89	16.09	16.39	16.97
12H	4H	12.32	12.77	12.81	13.26	13.73	13.78	14.23	14.27	14.72	15.20
	6H	13.04	13.06	13.22	13.53	14.08	14.87	14.89	15.06	15.36	15.91
	8H	12.81	13.12	13.33	13.62	14.20	14.88	15.19	15.40	15.69	16.27
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.6					3.1/-1.8					
S = 1.5H	0.9/-1.1					4.7/-1.8					
S = 2.0H	1.8/-1.4					6.3/-1.6					
标准表格	BK3					BK2					
更正系数	0.5					3.4					

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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	15631.45	15570.06	15301.48	14917.79	14495.73	14066.00	13643.95	13252.58	12799.83
30.0	15715.86	15600.75	14495.73	12746.12	10866.04	8955.28	7428.20	6115.99	5049.33
60.0	15746.56	14781.96	11905.07	8853.98	6561.06	5201.27	4265.84	3585.95	3007.35
90.0	15275.39	14710.60	11341.82	8026.75	5885.77	4673.32	3905.94	3208.40	2697.33
120.0	15685.17	14533.33	11471.50	8674.42	6472.82	5094.61	4227.47	3520.72	2955.93
150.0	15662.14	15255.43	13981.59	12231.97	10436.31	8648.33	7159.62	5985.53	4972.60
180.0	15631.45	15516.34	15217.83	14832.61	14392.90	13971.61	13542.65	13129.04	12667.08
210.0	15715.86	14903.98	13253.35	11296.54	9458.68	7734.38	6449.03	5320.22	4482.24
240.0	15746.56	14288.54	11219.04	8318.36	6300.16	5057.01	4136.16	3517.65	2955.16
270.0	15275.39	13602.51	10094.83	7153.48	5419.98	4403.20	3668.82	3074.11	2552.29
300.0	15685.17	14495.73	11702.48	8632.98	6599.43	5210.48	4274.28	3727.91	3056.46
330.0	15662.14	15167.95	13803.56	12095.38	10190.75	8410.44	7031.47	5842.03	4859.02
360.0	15631.45	15570.06	15301.48	14917.79	14495.73	14066.00	13643.95	13252.58	12799.83
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	12262.67	11633.42	10704.90	9500.11	8210.92	6737.56	5325.59	4197.55	3184.61
30.0	4251.26	3553.72	2964.37	2482.46	2099.54	1764.20	1489.48	1266.17	1070.49
60.0	2530.04	2112.59	1756.52	1478.73	1221.97	1022.53	856.16	722.94	619.58
90.0	2236.90	1853.98	1490.24	1225.50	1002.19	834.14	702.15	601.62	527.19
120.0	2487.07	2097.24	1745.01	1472.13	1218.13	1012.17	848.79	724.48	621.57
150.0	4159.18	3488.49	2946.72	2474.02	2099.54	1768.03	1494.85	1273.84	1077.40
180.0	12125.31	11379.42	10417.90	9165.54	7720.57	6330.85	4995.62	3897.50	2919.10
210.0	3784.70	3219.14	2701.16	2283.71	1944.53	1637.58	1399.00	1185.06	1009.71
240.0	2494.74	2092.63	1734.27	1445.74	1200.18	995.29	832.60	712.12	610.83
270.0	2132.54	1744.25	1433.38	1169.71	959.45	792.93	676.67	583.13	509.61
300.0	2563.80	2155.56	1810.24	1497.92	1255.43	1041.33	867.90	735.15	626.95
330.0	4078.60	3457.03	2893.01	2457.91	2072.68	1741.94	1484.49	1265.71	1066.42
360.0	12262.67	11633.42	10704.90	9500.11	8210.92	6737.56	5325.59	4197.55	3184.61
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	2427.98	1809.47	1375.91	1040.56	799.61	621.57	484.98	390.59	320.53
30.0	915.48	775.05	667.62	573.23	496.49	430.50	387.52	334.81	298.28
60.0	543.38	480.15	429.88	390.98	356.52	327.06	301.35	277.94	252.39
90.0	468.10	421.29	387.52	357.37	331.51	307.56	281.24	257.84	237.35
120.0	542.15	481.99	431.11	390.13	357.06	327.29	301.43	276.95	252.70
150.0	914.71	778.89	669.15	571.70	491.12	427.43	388.29	328.97	292.22
180.0	2238.44	1603.82	1300.24	990.68	759.09	594.33	465.49	370.95	306.57
210.0	861.38	741.98	632.78	544.45	469.94	411.31	362.12	319.46	284.93
240.0	535.63	474.24	425.13	387.52	354.53	325.06	299.51	277.56	252.85
270.0	457.59	413.77	379.54	349.69	326.44	302.35	278.40	254.54	232.59
300.0	547.14	484.21	433.57	391.36	359.90	329.59	305.19	282.62	260.22
330.0	907.73	780.27	663.78	573.00	493.27	426.28	373.25	329.97	291.14
360.0	2427.98	1809.47	1375.91	1040.56	799.61	621.57	484.98	390.59	320.53
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	274.64	246.56	226.30	209.34	194.76	181.94	169.82	158.16	145.03
30.0	266.28	239.34	217.47	198.29	182.33	166.14	150.48	136.29	120.40
60.0	230.06	209.11	189.54	171.82	156.54	141.04	125.93	111.58	97.53
90.0	215.02	195.99	178.57	162.91	147.18	131.76	117.64	103.75	91.01
120.0	229.68	209.88	190.39	172.66	156.24	140.97	125.39	109.12	95.69
150.0	259.99	233.05	211.80	193.15	176.80	161.30	145.11	131.07	116.10
180.0	267.43	241.03	221.69	204.97	190.23	177.03	165.60	153.01	139.82
210.0	255.00	230.60	208.80	191.00	174.50	159.46	144.50	129.38	114.34
240.0	230.14	208.11	189.16	171.51	156.47	140.89	125.70	111.42	96.15
270.0	211.72	192.84	175.42	159.77	145.03	129.69	115.80	102.06	89.48
300.0	236.35	214.94	194.53	177.19	160.69	144.57	129.92	114.80	99.07
330.0	259.91	234.66	212.49	194.61	178.41	163.53	148.64	133.83	119.56
360.0	274.64	246.56	226.30	209.34	194.76	181.94	169.82	158.16	145.03

# 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	131.99	115.95	100.14	85.79	72.36	54.87	38.45	22.48	5.99
30.0	105.36	89.94	75.74	61.93	50.65	36.68	21.41	9.06	2.92
60.0	86.02	73.44	59.86	45.66	33.76	20.95	9.75	5.76	2.76
90.0	76.97	63.16	49.73	38.22	27.86	17.04	9.36	5.14	2.99
120.0	83.49	70.98	56.40	42.67	31.77	18.65	8.13	4.76	2.46
150.0	101.14	86.10	71.52	58.47	46.81	32.08	18.11	6.52	1.76
180.0	126.39	110.04	93.47	80.19	66.53	48.73	32.92	16.50	1.76
210.0	98.53	82.88	68.37	55.86	43.59	28.47	16.19	4.60	1.69
240.0	84.87	72.82	58.86	44.20	33.07	19.18	9.44	5.14	2.84
270.0	75.89	61.16	48.42	37.29	26.55	16.42	10.21	4.60	3.15
300.0	86.87	75.89	61.54	46.73	35.07	22.18	10.67	6.37	2.92
330.0	104.06	89.25	73.28	60.09	47.81	34.07	19.49	7.98	2.46
360.0	131.99	115.95	100.14	85.79	72.36	54.87	38.45	22.48	5.99

C/γ(°)	90.0
0.0	0.54
30.0	1.00
60.0	0.92
90.0	0.61
120.0	0.31
150.0	0.31
180.0	0.31
210.0	0.38
240.0	0.15
270.0	0.23
300.0	0.46
330.0	0.61
360.0	0.54