

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3053A-36-36DC (5015-OL-36WN-AA, P1)

报告编号:

电压(V): 36.0000

测试编号: 20210328006

电流(A): 1.0020

光源规格型号: OL

功率(W): 36.0000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 36

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 38

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): 3846.99

灯具效能(lm/w): 106.86

中心光强(cd): 11141.530

最大光强(cd): 11451.550

最大光强角度:  $C=30.0$   $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=53.3

[C90/270]Total=12.2

光束扩散角(10%Imax): [C0/180]Total=78.8

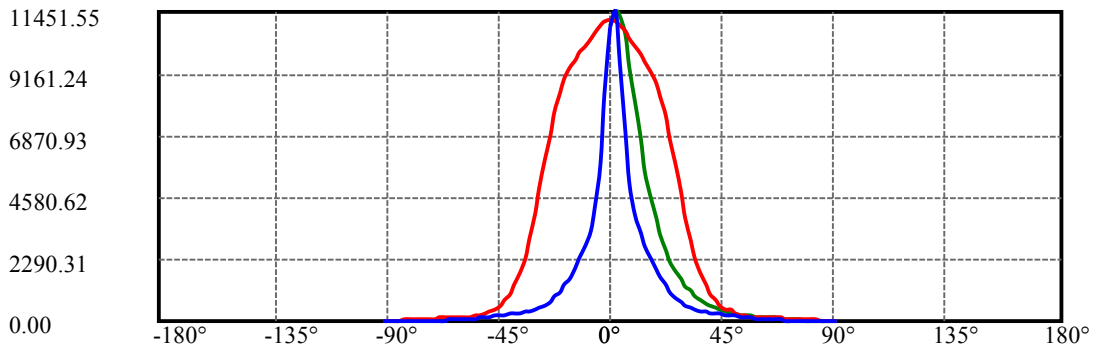
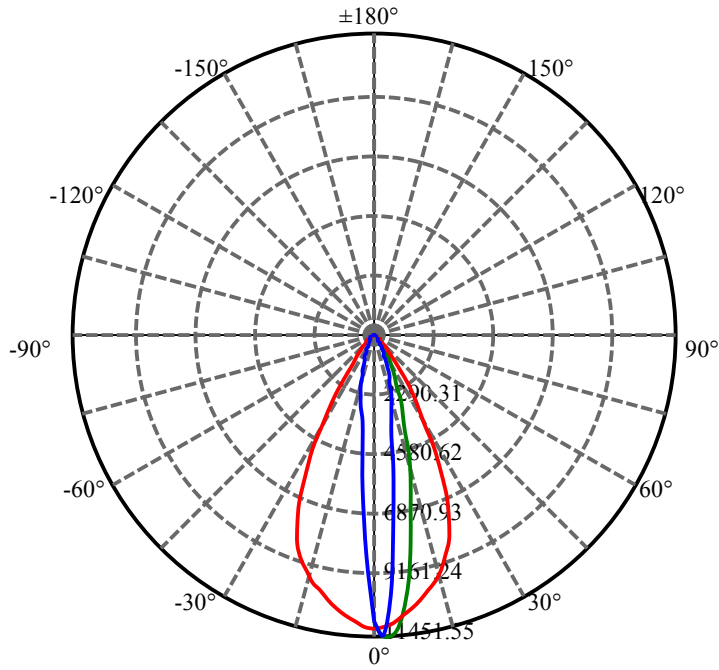
[C90/270]Total=44.0

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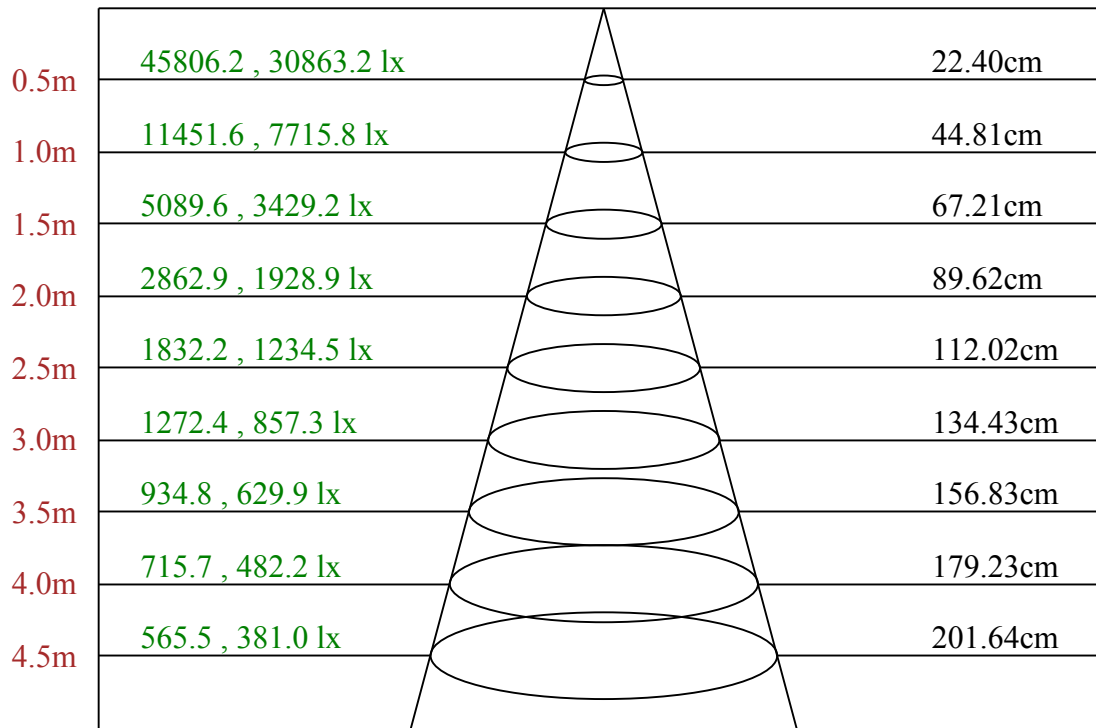
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/28  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

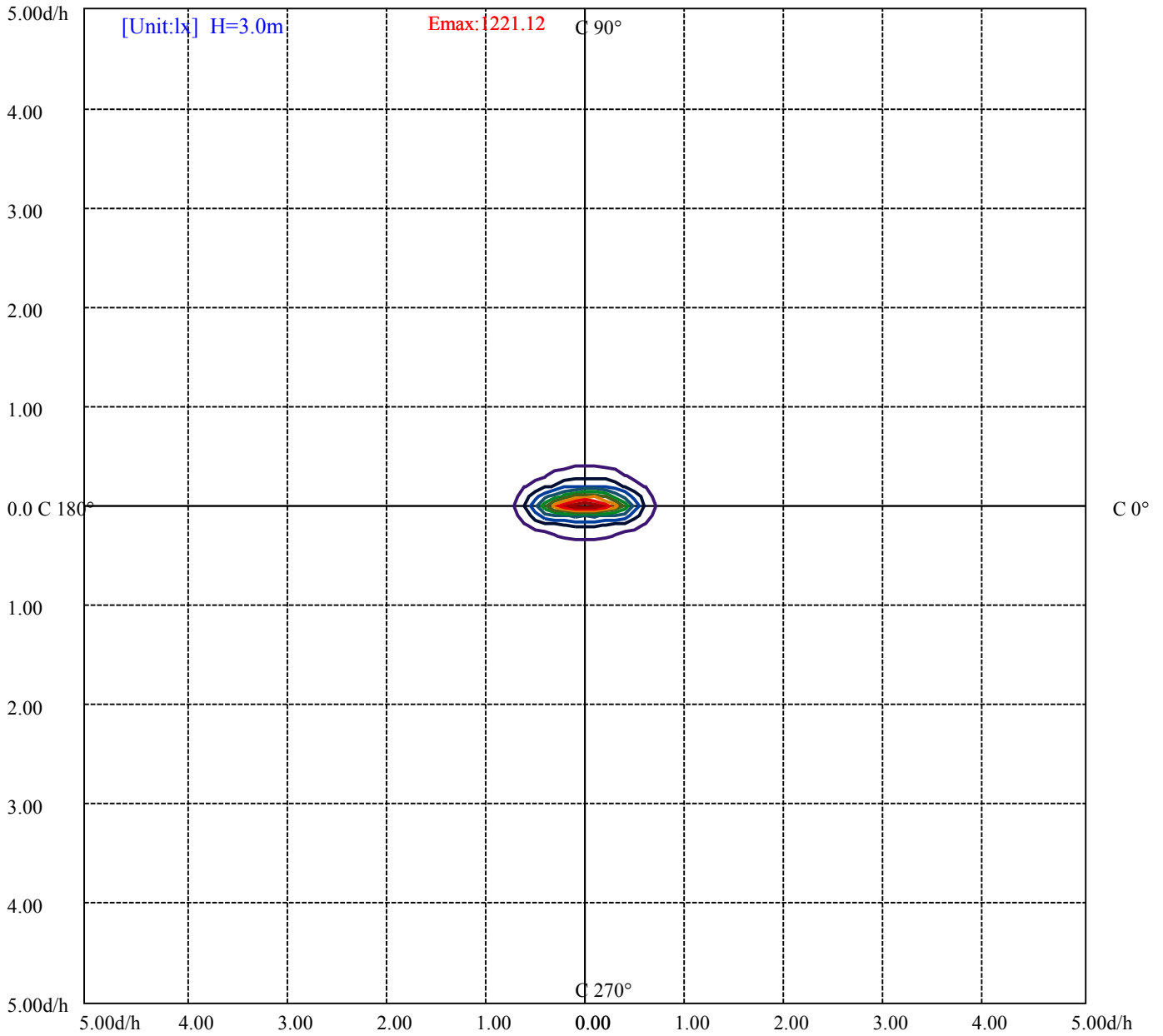


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角25.19

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 122.1111
- (20%Emax) 244.2222
- (30%Emax) 366.3344
- (40%Emax) 488.4455
- (50%Emax) 610.5566
- (60%Emax) 732.6677
- (70%Emax) 854.78
- (80%Emax) 976.8911
- (90%Emax) 1099.002

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

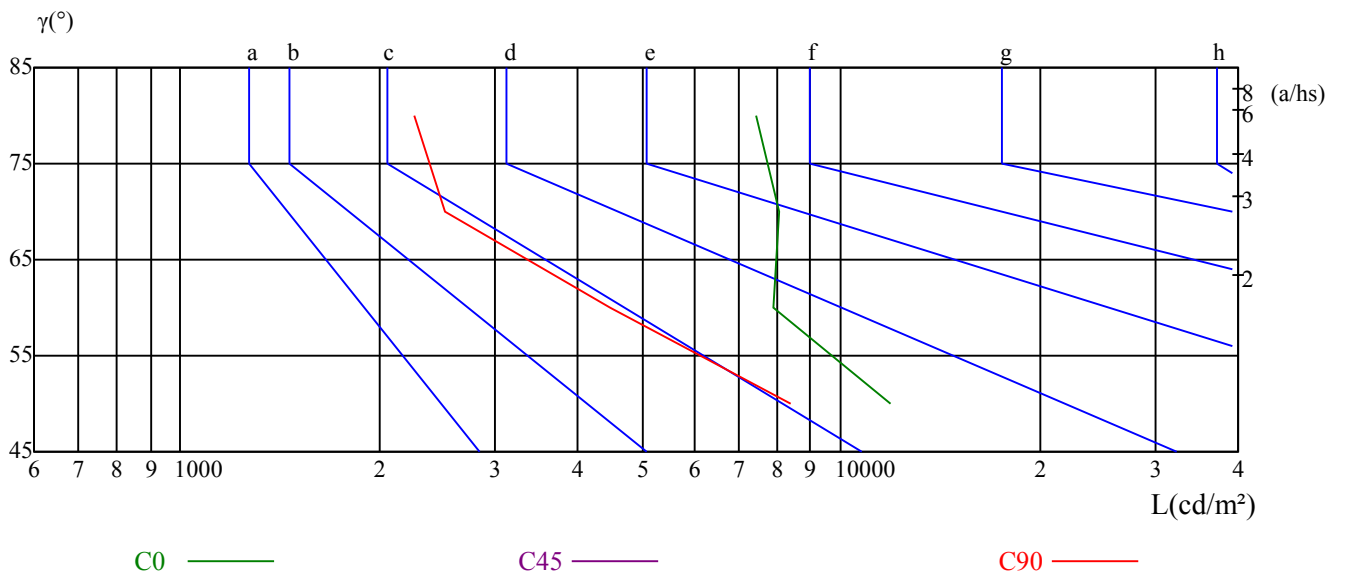
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	11916	0	7921	0	8085	0	7440	0
C45	0	0	0	0	0	0	0	0	0
C90	0	8399	0	4463	0	2518	0	2255	0

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	8.13	9.19	8.50	9.51	9.82	10.75	11.81	11.11	12.12	12.44
	3H	8.63	9.57	9.01	9.90	10.27	12.47	13.40	12.85	13.74	14.11
	4H	8.81	9.68	9.22	10.04	10.42	13.12	13.99	13.53	14.34	14.73
	6H	8.93	9.72	9.35	10.10	10.50	13.62	14.42	14.04	14.79	15.19
	8H	8.96	9.71	9.39	10.10	10.51	13.81	14.56	14.24	14.95	15.36
	12H	9.03	9.75	9.47	10.13	10.56	14.06	14.77	14.49	15.16	15.59
4H	2H	8.74	9.61	9.14	9.96	10.35	10.91	11.78	11.32	12.13	12.52
	3H	9.30	10.01	9.71	10.42	10.82	12.78	13.49	13.20	13.90	14.30
	4H	9.51	10.15	9.95	10.57	11.02	13.47	14.11	13.91	14.53	14.98
	6H	9.64	10.19	10.11	10.64	11.11	13.98	14.52	14.45	14.97	15.44
	8H	9.69	10.20	10.16	10.65	11.12	14.20	14.71	14.68	15.16	15.63
	12H	9.78	10.22	10.27	10.70	11.18	14.49	14.92	14.98	15.41	15.89
8H	4H	9.71	10.22	10.19	10.67	11.14	13.39	13.90	13.87	14.35	14.82
	6H	9.89	10.29	10.40	10.79	11.28	13.91	14.31	14.41	14.81	15.30
	8H	9.97	10.33	10.50	10.85	11.35	14.16	14.52	14.70	15.04	15.54
	12H	10.62	10.93	11.14	11.43	12.01	15.01	15.32	15.54	15.82	16.40
12H	4H	9.69	10.13	10.18	10.62	11.09	13.34	13.78	13.83	14.26	14.74
	6H	10.21	10.24	10.41	10.71	11.26	14.18	14.21	14.39	14.68	15.23
	8H	10.00	10.31	10.52	10.81	11.39	14.13	14.44	14.65	14.94	15.52
对应照射距离，改变观察者位置S											
S = 1.0H		0.7/-1.1					3.2/-2.0				
S = 1.5H		1.2/-2.3					5.1/-2.3				
S = 2.0H		3.2/-3.2					6.9/-2.2				
标准表格		BK2					BK2				
更正系数		-1.8					2.5				

# 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	11141.53	11091.65	10952.76	10733.29	10488.50	10198.43	9884.57	9585.29	9238.44
30.0	10921.30	11451.55	11341.82	10599.76	9409.56	8085.07	6750.61	5578.82	4644.16
60.0	11058.66	11393.23	10001.21	7727.48	5801.36	4476.87	3646.57	3044.95	2598.34
90.0	10865.28	11419.32	9625.20	6963.17	5118.40	3927.43	3272.86	2757.95	2339.73
120.0	11119.28	11312.66	9625.20	7385.23	5453.74	4256.63	3534.53	2968.21	2534.64
150.0	11041.77	11443.11	11089.35	10068.74	8665.21	7254.77	5960.21	4904.30	4057.12
180.0	11141.53	11082.44	10921.30	10694.92	10447.06	10190.75	9945.19	9670.47	9358.15
210.0	10921.30	9815.51	8439.60	7008.45	5761.46	4789.96	4011.07	3393.34	2876.89
240.0	11058.66	9133.31	6807.39	4932.69	3854.53	3166.19	2687.35	2286.01	1945.30
270.0	10865.28	8366.70	5827.45	4214.43	3343.46	2773.30	2357.38	1975.23	1574.66
300.0	11119.28	9208.51	6832.72	4921.18	3871.41	3172.33	2668.17	2269.13	1929.95
330.0	11041.77	10030.37	8449.58	7017.65	5701.60	4697.11	3908.25	3292.81	2810.13
360.0	11141.53	11091.65	10952.76	10733.29	10488.50	10198.43	9884.57	9585.29	9238.44
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	8819.45	8299.17	7639.23	6768.26	5855.08	4766.17	3836.88	3000.44	2321.31
30.0	3848.39	3224.51	2650.52	2229.23	1860.12	1554.70	1315.28	1103.49	934.66
60.0	2204.67	1851.68	1528.61	1305.92	1079.31	891.46	747.42	624.03	530.95
90.0	1950.67	1606.89	1321.42	1072.79	869.44	709.06	592.41	496.49	429.73
120.0	2124.10	1794.13	1502.14	1257.04	1035.73	854.09	715.73	598.32	506.31
150.0	3416.36	2862.31	2401.12	2038.15	1716.62	1459.55	1223.20	1040.56	876.34
180.0	8966.02	8471.83	7783.49	6925.57	5967.88	4915.04	3964.26	3028.83	2332.06
210.0	2478.62	2116.42	1809.47	1528.77	1322.04	1120.75	962.98	820.56	696.32
240.0	1628.37	1362.86	1126.51	927.76	777.35	646.13	546.37	465.80	403.64
270.0	1354.19	1095.20	890.00	725.71	598.17	500.18	432.72	377.86	334.35
300.0	1613.02	1348.28	1122.67	920.85	762.77	632.32	534.09	457.36	395.97
330.0	2403.42	2055.80	1748.85	1515.11	1292.72	1106.33	944.33	805.05	688.41
360.0	8819.45	8299.17	7639.23	6768.26	5855.08	4766.17	3836.88	3000.44	2321.31
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1754.22	1332.16	1018.31	762.00	593.95	455.05	391.36	285.23	233.67
30.0	788.10	665.31	561.72	478.84	406.71	349.00	302.81	262.37	228.98
60.0	455.36	395.97	349.54	314.39	284.01	258.45	237.27	216.25	196.91
90.0	388.29	337.65	305.49	280.86	258.84	238.19	220.62	201.05	174.27
120.0	436.02	383.99	340.71	307.87	279.32	255.84	234.74	214.94	197.68
150.0	748.19	633.09	536.40	459.66	392.13	338.03	292.75	257.15	225.84
180.0	1758.83	1345.90	1009.10	763.16	587.96	450.45	349.92	276.56	227.91
210.0	600.16	513.76	441.86	381.00	329.82	286.23	251.55	223.46	197.83
240.0	356.14	320.15	288.23	262.37	241.57	220.24	200.82	183.10	163.83
270.0	302.73	275.41	252.08	232.44	213.71	195.30	170.89	145.80	124.16
300.0	353.22	316.70	286.38	261.52	241.72	221.39	203.35	186.09	166.83
330.0	588.88	504.47	431.65	375.55	325.29	285.46	251.93	223.54	199.06
360.0	1754.22	1332.16	1018.31	762.00	593.95	455.05	391.36	285.23	233.67
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	198.44	176.19	160.07	147.49	137.59	128.00	119.71	111.65	102.98
30.0	201.74	180.41	161.92	147.72	134.67	121.71	109.58	96.31	82.80
60.0	178.03	155.32	130.68	109.96	92.39	77.04	65.00	51.87	40.06
90.0	147.26	123.78	100.91	83.11	71.60	60.85	51.03	41.13	32.08
120.0	179.57	157.93	133.14	112.04	93.16	78.35	65.69	52.87	40.82
150.0	201.05	179.49	161.30	146.34	134.29	121.40	108.51	95.77	82.42
180.0	194.53	174.27	158.85	146.72	136.21	126.77	119.10	110.89	102.91
210.0	178.18	160.54	145.80	132.68	120.25	107.20	94.23	81.65	66.92
240.0	138.90	119.17	100.68	84.72	71.75	60.24	48.42	36.91	26.47
270.0	105.90	87.17	74.21	63.69	54.02	44.05	34.99	28.55	26.47
300.0	141.73	121.63	102.83	86.33	73.90	61.39	49.88	37.14	26.32
330.0	179.11	162.53	147.49	134.90	121.32	107.97	94.39	81.65	67.07
360.0	198.44	176.19	160.07	147.49	137.59	128.00	119.71	111.65	102.98

# 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	93.01	80.88	69.29	57.40	48.11	37.52	26.93	16.73	5.53
30.0	67.68	51.72	35.76	22.02	12.51	9.59	6.98	3.53	2.84
60.0	27.32	22.87	20.64	18.34	13.51	9.13	7.21	6.37	3.84
90.0	27.93	26.09	24.63	19.72	14.58	9.67	9.29	7.83	4.76
120.0	27.70	22.71	20.57	18.57	13.66	9.36	7.14	6.37	3.84
150.0	68.07	53.26	37.14	22.79	12.66	9.59	7.21	3.76	2.92
180.0	93.01	80.42	68.53	57.48	47.42	37.60	27.09	16.81	5.91
210.0	51.95	35.84	23.25	13.20	10.05	8.06	4.76	3.30	1.76
240.0	22.25	20.11	18.49	14.50	10.05	7.52	6.68	4.37	1.30
270.0	25.09	23.10	18.49	13.74	9.98	9.44	7.60	4.22	0.84
300.0	22.18	20.11	18.65	14.50	10.21	7.44	6.68	4.37	1.15
330.0	52.49	36.99	23.02	13.12	9.75	7.98	4.68	3.30	1.69
360.0	93.01	80.88	69.29	57.40	48.11	37.52	26.93	16.73	5.53

C/γ(°)	90.0
0.0	0.31
30.0	0.77
60.0	1.07
90.0	1.30
120.0	1.07
150.0	0.92
180.0	0.38
210.0	0.31
240.0	0.08
270.0	0.08
300.0	0.15
330.0	0.15
360.0	0.31