

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F2225A1-16-36DC-RC-Y(60-CL-16RGBWN-C, CT)

报告编号:

电压(V): 35.6000

测试编号: 20210317008

电流(A): 0.7830

光源规格型号: CL

功率(W): 27.9000

每个光源光通量(lm)

功率因数: 1.0350

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): 1418.93

灯具效能(lm/w): 50.86

中心光强(cd): 1285.432

最大光强(cd): 1336.155

最大光强角度:  $C=30.0$   $\gamma=8.0$

半峰边角(50%Imax): [C0/180]Total=59.6

[C90/270]Total=56.3

光束扩散角(10%Imax): [C0/180]Total=103.8

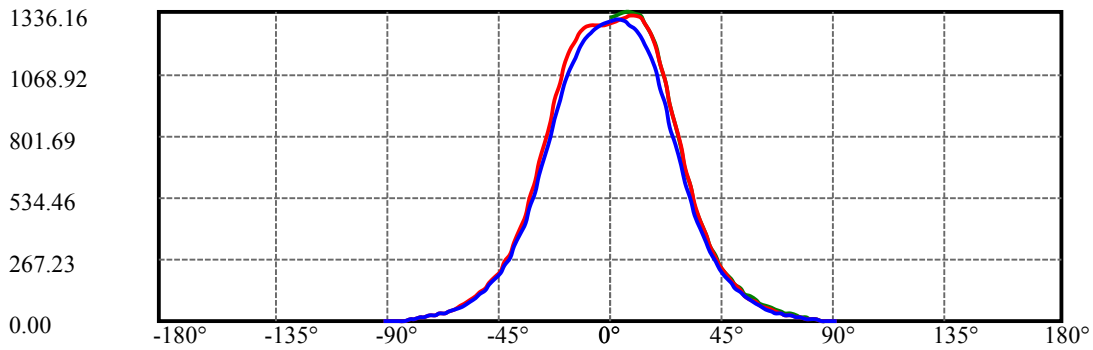
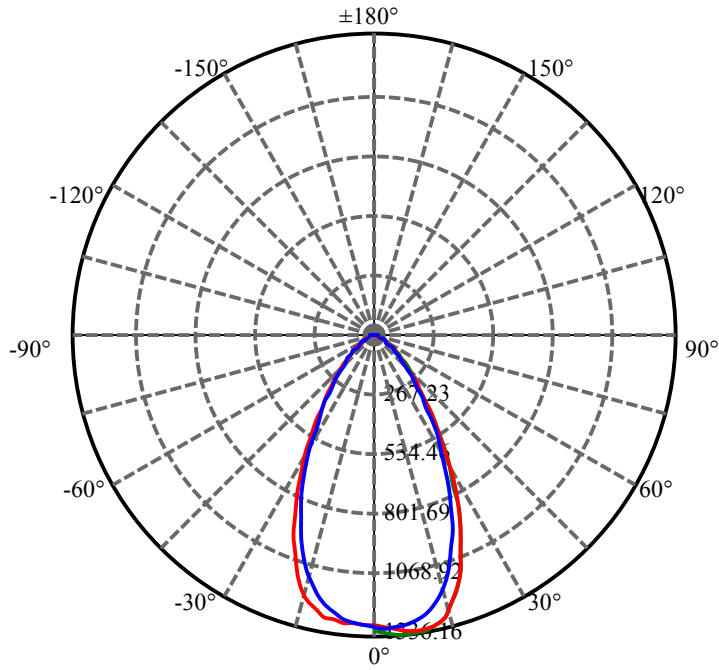
[C90/270]Total=101.8

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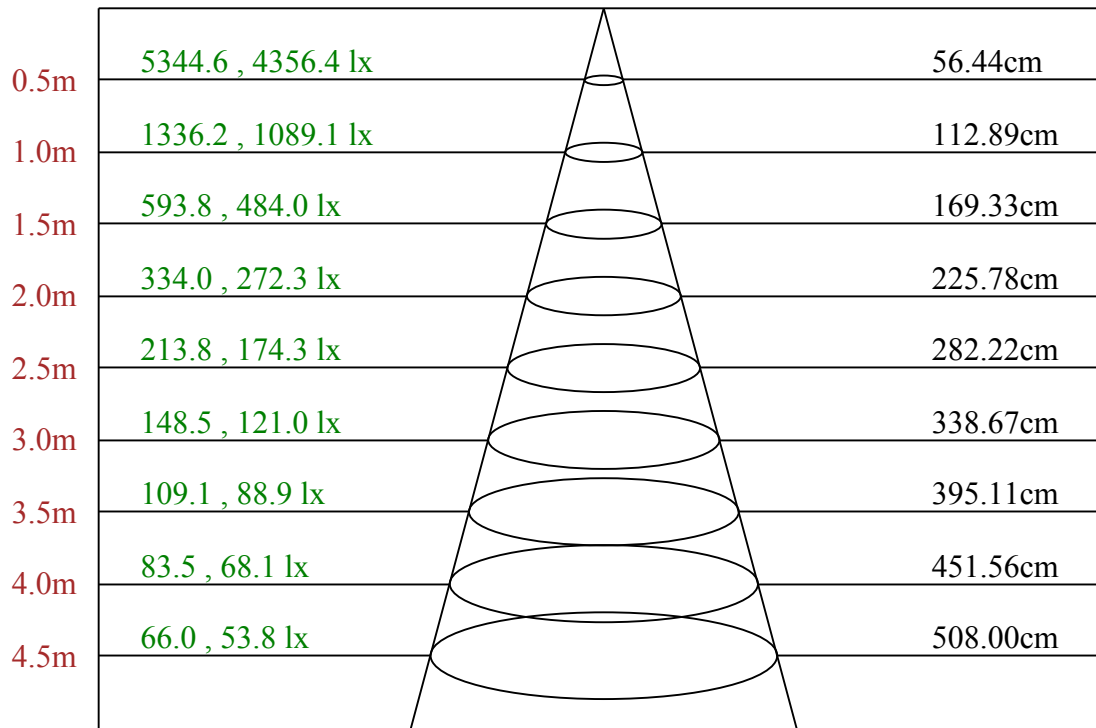
测试设备: GMS1800  
环境温度(°C): 25.0

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

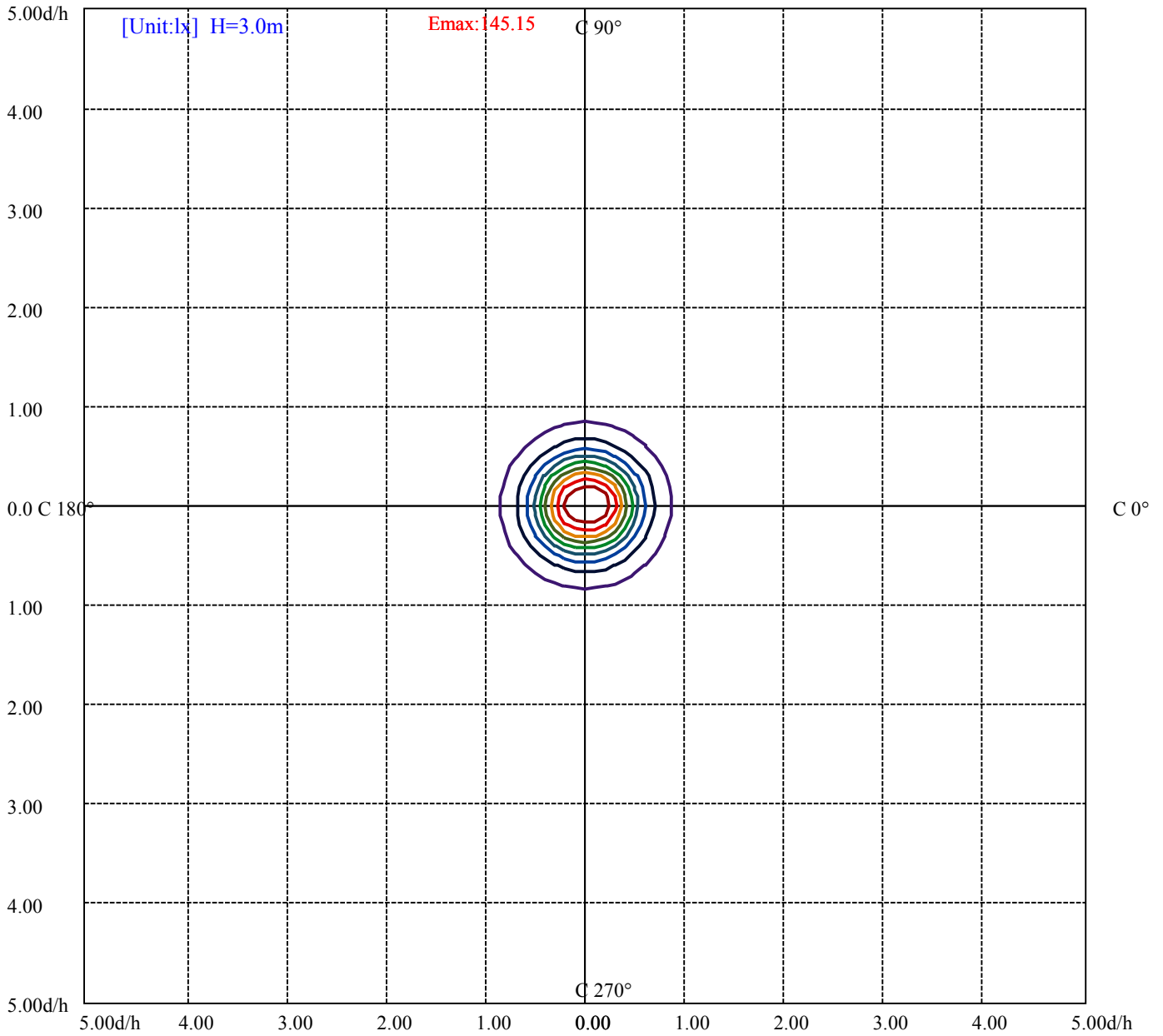


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角58.87

ROLED 投光灯  
平面等照度曲线



(10%Emax) 14.51489	—
(20%Emax) 29.02978	—
(30%Emax) 43.54478	—
(40%Emax) 58.05967	—
(50%Emax) 72.57455	—
(60%Emax) 87.08945	—
(70%Emax) 101.6044	—
(80%Emax) 116.1189	—
(90%Emax) 130.6344	—

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测试人员: anpeilou  
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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

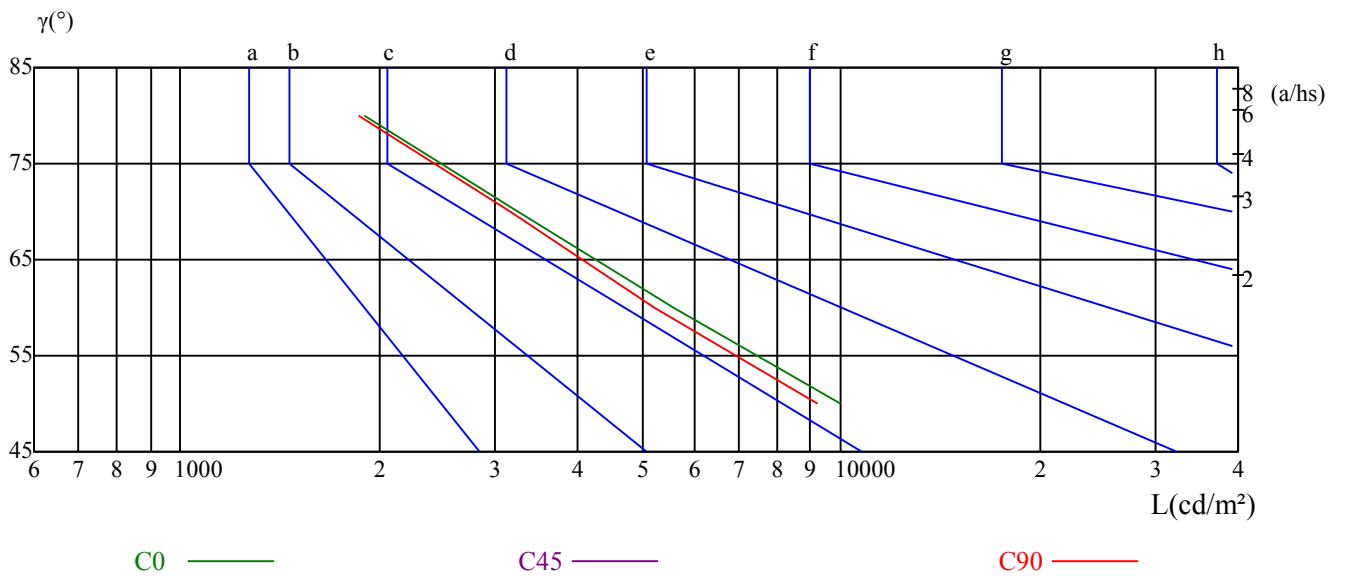
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	10003	0	5564	0	3250	0	1895	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9243	0	5232	0	3166	0	1858	0

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	14.32	15.52	14.68	15.83	16.15	14.65	15.85	15.02	16.16	16.48
	3H	15.09	16.15	15.47	16.48	16.84	15.40	16.46	15.78	16.79	17.16
	4H	15.30	16.28	15.70	16.64	17.02	15.60	16.58	16.00	16.93	17.32
	6H	15.38	16.28	15.80	16.65	17.05	15.67	16.57	16.08	16.94	17.33
	8H	15.37	16.22	15.80	16.61	17.02	15.65	16.51	16.09	16.90	17.30
	12H	15.35	16.16	15.78	16.55	16.98	15.63	16.45	16.07	16.83	17.26
4H	2H	14.68	15.67	15.09	16.02	16.40	14.96	15.95	15.37	16.30	16.69
	3H	15.68	16.49	16.10	16.89	17.30	15.96	16.76	16.37	17.16	17.57
	4H	15.98	16.70	16.42	17.12	17.56	16.24	16.95	16.67	17.38	17.82
	6H	16.09	16.71	16.56	17.15	17.62	16.34	16.95	16.80	17.40	17.87
	8H	16.09	16.66	16.56	17.11	17.58	16.33	16.90	16.80	17.35	17.82
	12H	16.06	16.57	16.55	17.05	17.53	16.30	16.81	16.79	17.29	17.77
8H	4H	16.08	16.65	16.55	17.10	17.58	16.32	16.89	16.79	17.34	17.81
	6H	16.24	16.70	16.75	17.20	17.68	16.46	16.92	16.96	17.42	17.90
	8H	16.26	16.67	16.78	17.19	17.68	16.46	16.88	16.99	17.39	17.89
	12H	16.86	17.22	17.37	17.71	18.29	17.08	17.44	17.60	17.94	18.51
12H	4H	16.05	16.55	16.54	17.03	17.51	16.28	16.78	16.77	17.27	17.75
	6H	16.67	16.63	16.74	17.10	17.64	16.89	16.84	16.96	17.31	17.86
	8H	16.25	16.61	16.77	17.11	17.68	16.46	16.82	16.97	17.31	17.89
对应照射距离，改变观察者位置S											
S = 1.0H	1.0/-1.5					1.1/-1.5					
S = 1.5H	2.2/-2.5					2.4/-2.6					
S = 2.0H	4.4/-3.4					4.6/-3.5					
标准表格	BK2					BK2					
更正系数	0.9					1.3					

# 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	1285.43	1292.72	1303.85	1314.36	1321.50	1321.50	1309.76	1285.43	1242.69
30.0	1309.30	1317.28	1326.72	1333.47	1336.16	1331.01	1316.05	1287.12	1241.92
60.0	1303.39	1309.60	1312.60	1310.75	1302.24	1287.12	1261.57	1223.27	1172.40
90.0	1296.87	1300.24	1299.40	1292.95	1279.83	1258.88	1231.41	1191.73	1142.85
120.0	1292.49	1293.18	1290.96	1285.12	1273.08	1254.51	1226.65	1189.05	1137.56
150.0	1288.96	1287.04	1287.04	1285.35	1279.98	1267.71	1247.22	1213.91	1166.18
180.0	1285.43	1282.13	1281.52	1280.21	1276.15	1266.17	1246.37	1214.53	1166.72
210.0	1309.30	1303.93	1300.01	1293.34	1283.36	1267.47	1242.77	1208.77	1159.12
240.0	1303.39	1295.64	1285.82	1272.92	1254.97	1232.25	1200.64	1161.65	1110.70
270.0	1296.87	1290.11	1280.06	1264.71	1244.38	1216.14	1181.45	1138.17	1085.68
300.0	1292.49	1290.96	1287.35	1279.98	1267.40	1247.52	1218.21	1181.99	1132.11
330.0	1288.96	1292.80	1298.17	1301.93	1301.24	1292.11	1272.31	1239.31	1193.65
360.0	1285.43	1292.72	1303.85	1314.36	1321.50	1321.50	1309.76	1285.43	1242.69
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1181.99	1113.31	1027.98	939.27	848.03	752.80	660.56	581.75	503.48
30.0	1185.90	1112.93	1028.13	941.11	845.11	748.65	658.26	576.99	499.18
60.0	1111.62	1034.81	953.85	864.91	772.82	683.66	603.85	525.58	455.28
90.0	1080.47	1006.95	925.76	841.58	759.93	674.91	598.55	523.73	454.98
120.0	1074.86	1004.19	921.62	834.83	745.74	663.32	581.21	504.47	439.40
150.0	1105.41	1037.26	955.54	868.82	782.42	691.56	609.76	529.41	457.20
180.0	1105.71	1030.43	951.24	863.99	774.13	689.79	605.69	527.26	456.51
210.0	1097.12	1024.52	944.87	857.70	768.22	682.04	598.48	521.28	450.07
240.0	1050.61	980.94	900.59	818.25	734.15	648.82	568.24	500.02	432.88
270.0	1022.45	950.55	874.04	792.93	716.04	629.71	558.34	488.90	426.74
300.0	1072.25	1001.96	921.31	834.06	752.57	665.55	582.21	510.84	441.01
330.0	1133.34	1064.58	980.02	890.77	802.37	706.83	618.81	537.32	465.41
360.0	1181.99	1113.31	1027.98	939.27	848.03	752.80	660.56	581.75	503.48
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	433.03	376.24	322.30	276.33	238.42	206.35	177.34	154.47	132.14
30.0	431.50	374.86	322.84	280.63	242.57	209.72	181.56	158.62	137.44
60.0	396.96	342.94	298.43	256.61	223.84	194.22	168.90	147.72	128.31
90.0	397.04	342.79	295.44	254.69	221.31	190.69	165.52	142.73	122.40
120.0	379.24	326.67	281.63	245.18	212.26	185.32	161.23	140.20	122.24
150.0	394.05	339.26	294.29	254.31	221.93	192.46	167.36	145.72	127.92
180.0	396.81	341.41	293.60	254.69	219.70	189.31	163.68	142.19	122.01
210.0	392.59	339.41	291.83	254.85	221.08	192.46	167.75	145.95	126.77
240.0	376.63	327.06	282.24	245.94	212.87	185.94	161.84	142.19	123.70
270.0	370.26	320.61	277.71	240.19	208.04	179.03	155.93	134.75	115.18
300.0	379.85	328.51	285.08	246.02	213.71	186.55	161.99	142.42	123.09
330.0	401.72	346.24	299.12	258.84	224.00	193.46	169.44	147.34	127.69
360.0	433.03	376.24	322.30	276.33	238.42	206.35	177.34	154.47	132.14
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	111.81	94.54	79.19	66.84	56.02	45.97	37.45	31.54	26.70
30.0	119.33	104.13	89.55	77.12	67.15	58.24	50.42	42.82	36.60
60.0	112.42	96.92	84.10	72.59	62.92	55.02	47.73	40.98	34.46
90.0	103.75	88.56	74.82	62.85	53.18	43.74	36.07	30.46	26.01
120.0	107.36	93.47	80.65	70.45	61.31	53.49	46.50	40.06	34.07
150.0	111.42	97.23	84.87	73.51	64.61	56.02	49.19	42.36	36.07
180.0	104.52	88.32	74.59	62.77	53.10	43.51	35.91	30.54	25.32
210.0	111.27	96.84	83.26	72.67	63.31	55.48	47.88	41.13	34.92
240.0	107.82	94.31	81.96	70.75	61.70	54.02	46.96	40.36	33.76
270.0	98.76	83.72	70.37	59.39	50.26	41.13	34.46	29.16	24.79
300.0	108.05	94.39	82.11	71.06	62.00	54.33	47.35	40.52	34.22
330.0	112.19	97.61	83.95	73.13	63.54	55.25	48.57	41.36	34.53
360.0	111.81	94.54	79.19	66.84	56.02	45.97	37.45	31.54	26.70

# 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	22.71	18.95	14.66	11.05	7.90	4.53	1.92	1.07	0.54
30.0	29.93	23.79	19.11	13.81	9.21	5.29	2.23	1.07	0.38
60.0	27.93	22.25	17.65	12.66	8.44	4.83	2.00	0.92	0.46
90.0	22.02	18.19	14.35	10.82	7.75	4.37	1.84	1.07	0.54
120.0	27.93	22.56	17.96	12.82	8.59	4.83	1.92	0.92	0.38
150.0	29.62	23.64	18.26	8.75	6.37	4.37	1.84	0.77	0.38
180.0	20.80	16.88	13.58	10.36	7.06	3.99	1.76	1.00	0.46
210.0	28.39	22.94	18.11	13.20	8.67	4.83	2.07	1.00	0.46
240.0	28.09	22.48	17.96	12.97	8.82	5.14	2.15	1.00	0.38
270.0	21.18	17.42	13.28	10.05	6.98	3.91	1.53	1.07	0.38
300.0	28.32	22.79	18.03	13.20	8.82	5.06	2.07	1.00	0.38
330.0	28.39	22.56	17.88	12.51	8.44	4.68	1.92	0.92	0.38
360.0	22.71	18.95	14.66	11.05	7.90	4.53	1.92	1.07	0.54
C/γ(°)	90.0								
0.0	0.08								
30.0	0.00								
60.0	0.00								
90.0	0.00								
120.0	0.00								
150.0	0.08								
180.0	0.00								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.08								
330.0	0.00								
360.0	0.08								