

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F1223A1-9-36DC-RC-Y(30-CL-9RGBWN-AJ, CT)

报告编号:

电压(V): 35.6000

测试编号: 20210301011

电流(A): 0.3880

光源规格型号: CL

功率(W): 13.8000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 9

镇流器型号:

发光面长度(mm): 110

发光面宽度(mm): 110

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): 546.55

灯具效能(lm/w): 39.61

中心光强(cd): 1118.758

最大光强(cd): 1137.942

最大光强角度:  $C=240.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=31.2

[C90/270]Total=30.9

光束扩散角(10%Imax): [C0/180]Total=70.5

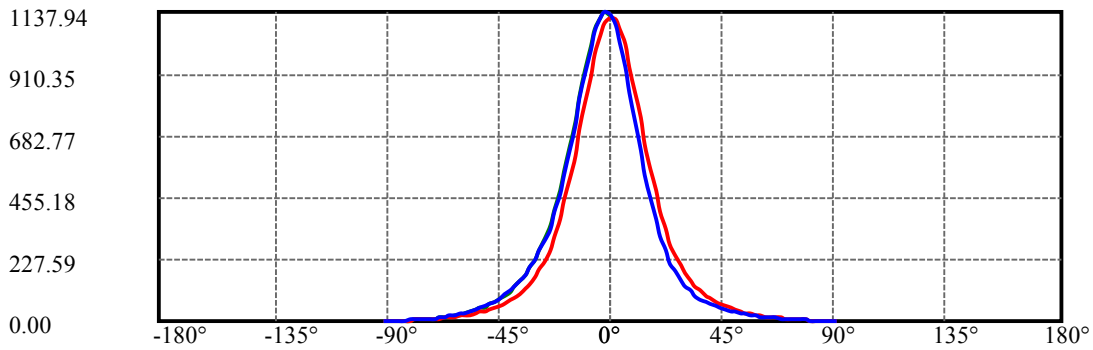
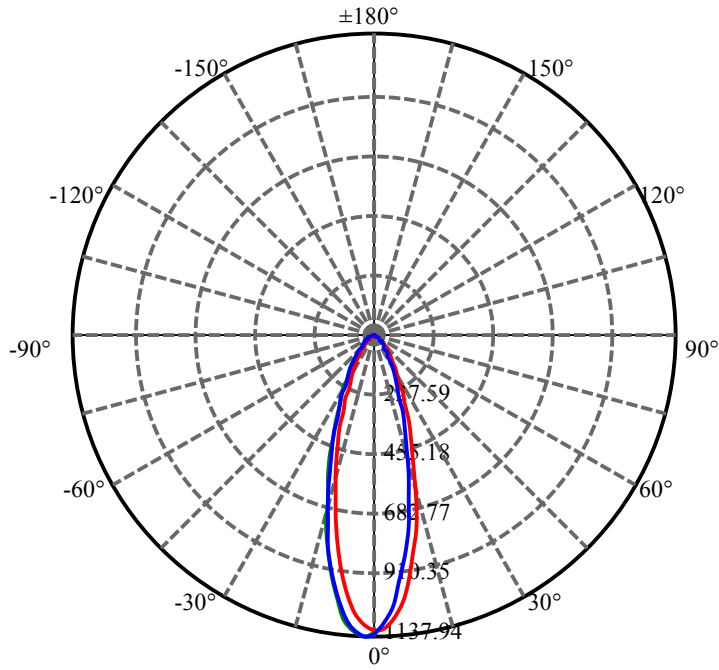
[C90/270]Total=71.6

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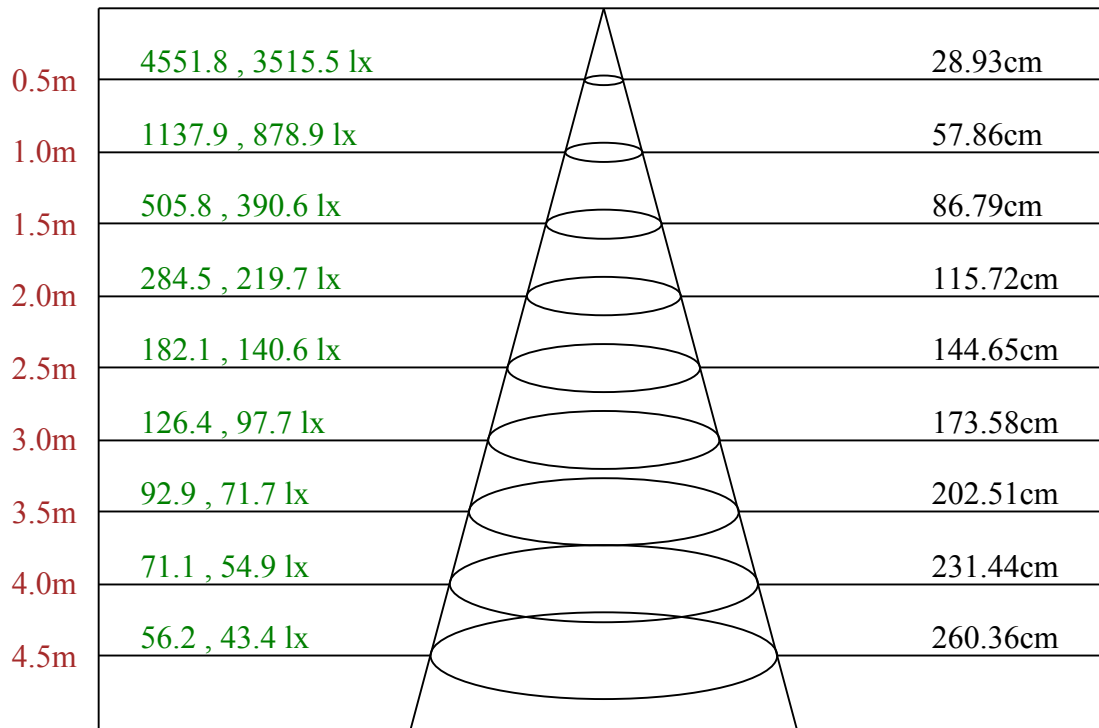
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/1  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

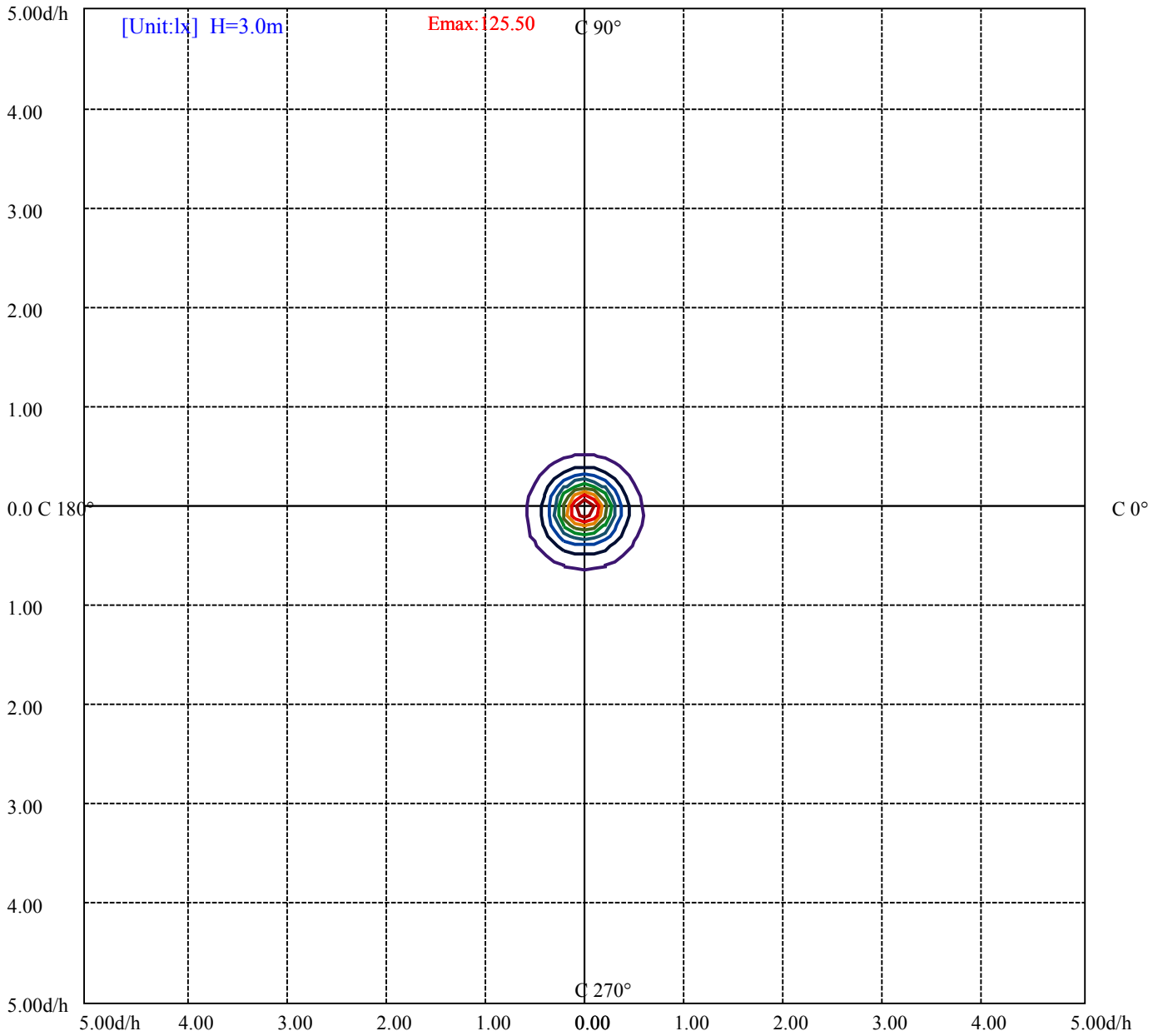


C240(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave      C240面光束角32.22

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平面等照度曲线



(10%Emax) 12.55	—
(20%Emax) 25.09989	—
(30%Emax) 37.64989	—
(40%Emax) 50.19989	—
(50%Emax) 62.74989	—
(60%Emax) 75.29977	—
(70%Emax) 87.84978	—
(80%Emax) 100.3998	—
(90%Emax) 112.95	—

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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)

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亮度值表

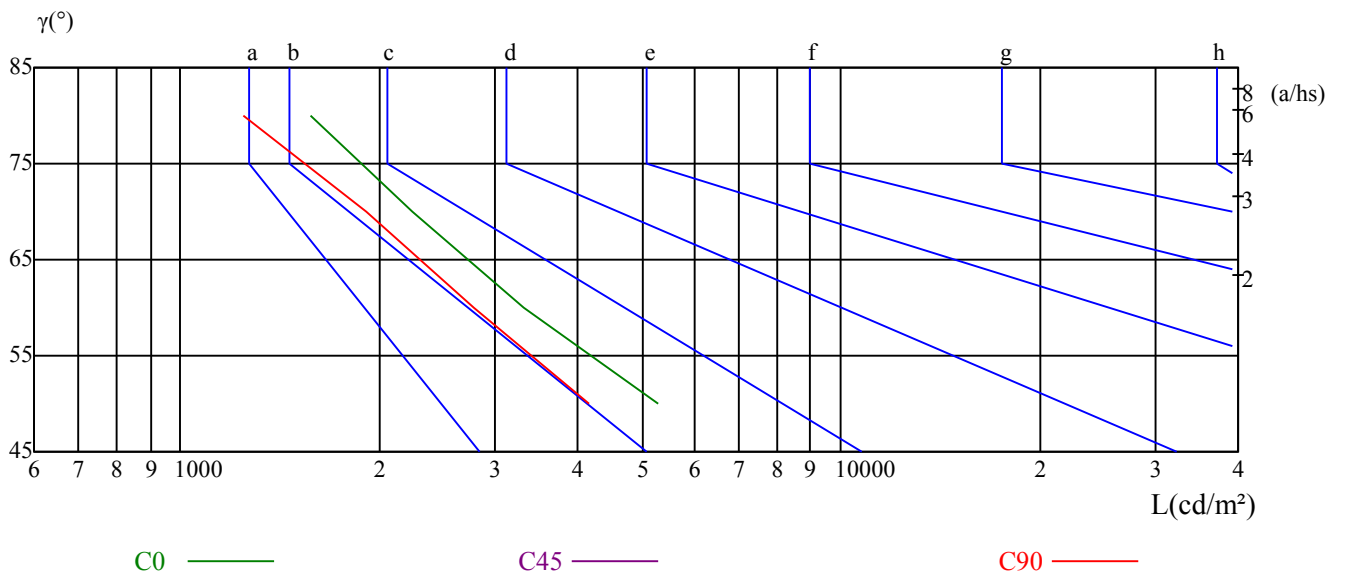
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5278	0	3310	0	2244	0	1570	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4154	0	2778	0	1910	0	1242	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
331070	355252	0	293330	314011	0	97724	100489	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



测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/1  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

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	15.26	16.38	15.63	16.69	17.01	14.78	15.90	15.15	16.21	16.53
	3H	16.10	17.09	16.48	17.42	17.79	15.64	16.63	16.03	16.97	17.33
	4H	16.36	17.28	16.77	17.63	18.02	15.92	16.83	16.32	17.19	17.57
	6H	16.52	17.36	16.93	17.73	18.13	16.08	16.92	16.49	17.29	17.69
	8H	16.54	17.33	16.97	17.72	18.13	16.10	16.90	16.54	17.29	17.70
	12H	16.56	17.31	16.99	17.70	18.13	16.13	16.89	16.56	17.27	17.70
4H	2H	15.46	16.38	15.87	16.73	17.12	15.05	15.97	15.45	16.32	16.71
	3H	16.48	17.23	16.90	17.64	18.04	16.09	16.83	16.50	17.24	17.65
	4H	16.83	17.50	17.27	17.92	18.37	16.45	17.12	16.89	17.54	17.98
	6H	17.02	17.59	17.49	18.04	18.51	16.65	17.22	17.11	17.67	18.14
	8H	17.06	17.59	17.53	18.04	18.52	16.70	17.23	17.17	17.68	18.15
	12H	17.09	17.55	17.58	18.04	18.51	16.73	17.19	17.22	17.68	18.16
8H	4H	16.88	17.42	17.36	17.86	18.34	16.53	17.06	17.00	17.51	17.99
	6H	17.14	17.57	17.65	18.07	18.56	16.81	17.23	17.31	17.74	18.22
	8H	17.23	17.61	17.76	18.13	18.62	16.90	17.28	17.43	17.80	18.29
	12H	17.85	18.18	18.37	18.68	19.25	17.51	17.84	18.03	18.34	18.92
12H	4H	16.85	17.32	17.34	17.80	18.28	16.50	16.97	16.99	17.45	17.93
	6H	17.51	17.51	17.66	17.98	18.53	17.18	17.18	17.33	17.65	18.20
	8H	17.24	17.57	17.76	18.07	18.65	16.92	17.25	17.44	17.75	18.33
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-1.2					1.1/-1.2					
S = 1.5H	1.7/-1.9					2.3/-1.9					
S = 2.0H	3.8/-2.3					4.4/-2.3					
标准表格	BK2					BK2					
更正系数	-3.6					-2.7					

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光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	1118.76	1109.55	1075.09	1015.70	934.66	844.19	750.57	650.12	557.88
30.0	1132.26	1098.65	1043.17	964.36	870.05	769.83	673.22	575.84	487.74
60.0	1126.74	1084.38	1017.08	927.91	829.07	730.16	627.25	537.47	452.06
90.0	1127.97	1085.53	1022.30	934.66	838.28	733.53	630.09	537.24	449.99
120.0	1121.83	1081.23	1014.85	927.07	833.68	730.62	632.70	537.62	452.06
150.0	1121.44	1092.90	1037.65	960.83	868.59	774.82	673.60	581.21	492.73
180.0	1118.76	1098.42	1054.68	985.16	899.52	803.44	707.14	609.83	524.19
210.0	1132.26	1135.64	1110.24	1057.29	984.85	901.44	802.83	704.22	614.28
240.0	1126.74	1137.94	1119.99	1076.55	1007.56	924.53	830.45	736.45	642.91
270.0	1127.97	1135.64	1114.15	1068.03	998.20	912.26	820.32	723.10	629.02
300.0	1121.83	1132.34	1113.08	1067.11	1001.73	919.70	830.76	727.86	639.99
330.0	1121.44	1121.44	1092.97	1041.64	968.66	886.24	783.57	691.94	599.47
360.0	1118.76	1109.55	1075.09	1015.70	934.66	844.19	750.57	650.12	557.88
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	477.46	401.26	341.33	284.24	241.03	204.74	175.19	148.49	127.38
30.0	413.62	345.70	289.15	242.11	204.74	172.51	147.11	124.93	106.51
60.0	376.40	313.40	263.52	219.47	183.71	155.85	131.76	112.19	95.92
90.0	373.79	309.10	258.07	214.02	180.26	151.56	128.23	110.04	93.62
120.0	376.55	313.70	263.59	219.47	185.32	155.93	131.99	112.11	96.46
150.0	414.08	349.23	292.14	244.41	204.66	173.50	146.65	124.39	106.82
180.0	442.16	372.10	312.09	263.98	222.39	187.78	160.30	136.52	117.64
210.0	524.27	450.37	383.07	324.29	276.56	235.66	202.05	173.43	149.95
240.0	554.66	478.00	410.16	353.91	300.50	260.91	224.76	194.91	168.82
270.0	539.54	466.64	400.19	342.56	298.05	258.38	223.54	194.84	170.43
300.0	552.74	476.77	409.70	351.38	301.50	261.98	226.07	195.14	170.28
330.0	511.84	440.70	375.55	321.22	274.03	234.28	199.82	173.12	149.02
360.0	477.46	401.26	341.33	284.24	241.03	204.74	175.19	148.49	127.38
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	110.12	94.31	81.73	70.68	61.70	53.95	46.96	41.05	35.76
30.0	91.39	79.27	68.45	59.47	52.18	45.51	39.83	35.07	30.54
60.0	83.11	71.75	62.62	54.64	47.81	41.90	36.68	32.38	28.47
90.0	81.27	70.37	61.70	53.79	47.12	41.75	36.76	32.31	28.24
120.0	82.80	72.13	62.46	54.48	47.58	41.67	36.76	32.15	28.09
150.0	91.55	78.81	68.07	59.47	51.72	45.35	39.75	34.69	30.31
180.0	100.07	86.87	75.13	65.07	56.86	49.65	43.43	37.45	32.61
210.0	128.15	110.58	95.15	82.34	71.44	61.85	53.64	46.50	40.75
240.0	145.65	126.31	109.43	94.31	81.34	70.98	61.31	52.95	45.97
270.0	147.41	129.00	112.04	96.69	84.49	73.28	63.31	54.94	47.73
300.0	147.18	126.92	110.04	95.77	82.65	71.67	62.31	53.79	46.89
330.0	127.54	110.96	95.92	83.11	71.60	62.54	54.10	47.19	40.98
360.0	110.12	94.31	81.73	70.68	61.70	53.95	46.96	41.05	35.76
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	30.93	26.70	23.25	20.03	17.19	14.89	12.66	10.82	9.29
30.0	26.78	23.25	20.26	17.57	15.27	13.12	11.28	9.67	8.36
60.0	25.02	21.87	19.03	16.58	14.50	12.74	11.05	9.59	8.21
90.0	25.02	21.87	19.26	16.81	14.50	12.58	10.90	9.29	7.90
120.0	24.79	21.64	18.80	16.35	14.20	12.35	10.82	9.13	7.75
150.0	26.63	23.02	19.95	17.27	14.89	12.74	11.05	9.52	8.13
180.0	28.16	24.40	21.03	17.96	15.50	13.28	11.36	9.67	8.29
210.0	34.99	30.16	25.86	21.95	18.72	15.81	13.43	11.28	9.44
240.0	39.52	33.69	28.93	24.63	20.80	17.65	14.96	12.58	10.59
270.0	40.98	35.22	30.31	25.48	21.49	17.96	15.04	12.51	10.51
300.0	39.83	34.53	29.62	25.32	21.33	18.03	15.27	12.97	10.90
330.0	35.30	30.70	26.17	22.41	19.11	16.35	13.74	11.59	9.67
360.0	30.93	26.70	23.25	20.03	17.19	14.89	12.66	10.82	9.29

# ROLED 投光灯

## 光强数据表(cd)

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C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	7.75	6.52	5.22	4.22	3.30	2.46	1.61	0.69	0.23
30.0	7.14	5.99	4.99	3.91	2.76	1.92	1.07	0.31	0.08
60.0	6.83	5.45	4.45	3.53	2.69	1.76	0.84	0.31	0.08
90.0	6.91	5.76	4.60	3.61	2.61	1.76	0.92	0.23	0.00
120.0	6.52	5.29	4.30	3.38	2.53	1.61	0.92	0.23	0.00
150.0	6.91	5.83	4.76	3.76	2.69	1.69	1.00	0.31	0.08
180.0	6.91	5.60	4.60	3.61	2.76	2.00	1.15	0.38	0.15
210.0	7.98	6.68	5.53	4.37	3.38	2.38	1.53	0.84	0.23
240.0	8.90	7.21	5.68	4.45	3.53	2.69	1.84	0.92	0.31
270.0	8.67	7.37	6.06	4.83	3.68	2.61	1.69	0.84	0.23
300.0	8.98	7.44	5.91	4.60	3.68	2.69	1.84	1.00	0.31
330.0	8.06	6.83	5.76	4.53	3.45	2.53	1.69	0.84	0.23
360.0	7.75	6.52	5.22	4.22	3.30	2.46	1.61	0.69	0.23

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