

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F1221A1-3-24DC-RC-Y(30-CL-3RGBWN-AJ, P4)

报告编号:

电压(V): 24.8000

测试编号: 2021030300

电流(A): 0.2350

光源规格型号: CL

功率(W): 5.8000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 3

镇流器型号:

发光面长度(mm): 52

发光面宽度(mm): 52

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): 271.74

灯具效能(lm/w): 46.85

中心光强(cd): 547.062

最大光强(cd): 554.890

最大光强角度:  $C=30.0$   $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=32.6

[C90/270]Total=32.0

光束扩散角(10%Imax): [C0/180]Total=73.8

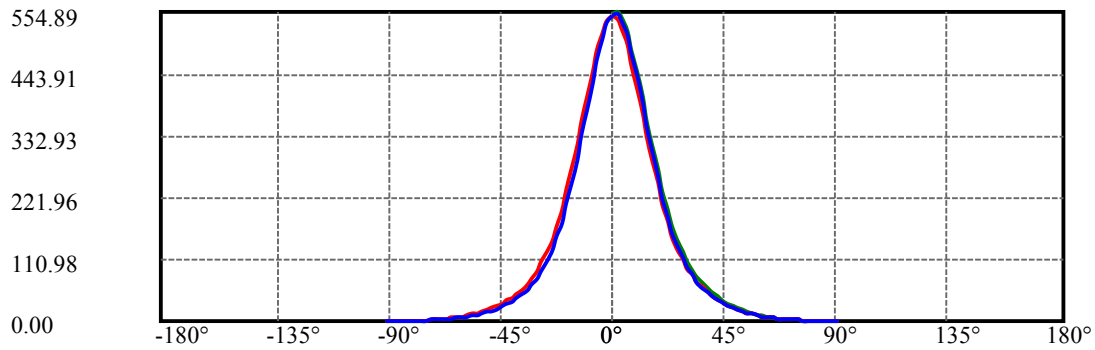
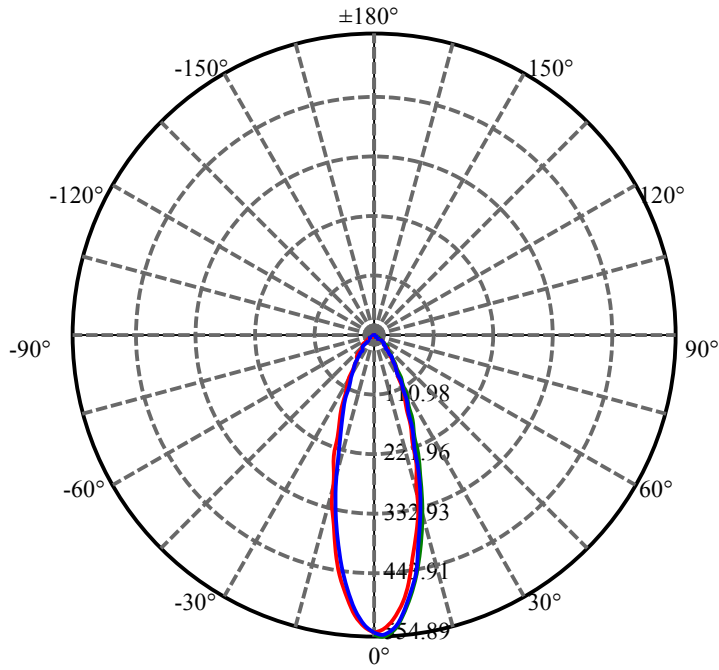
[C90/270]Total=71.2

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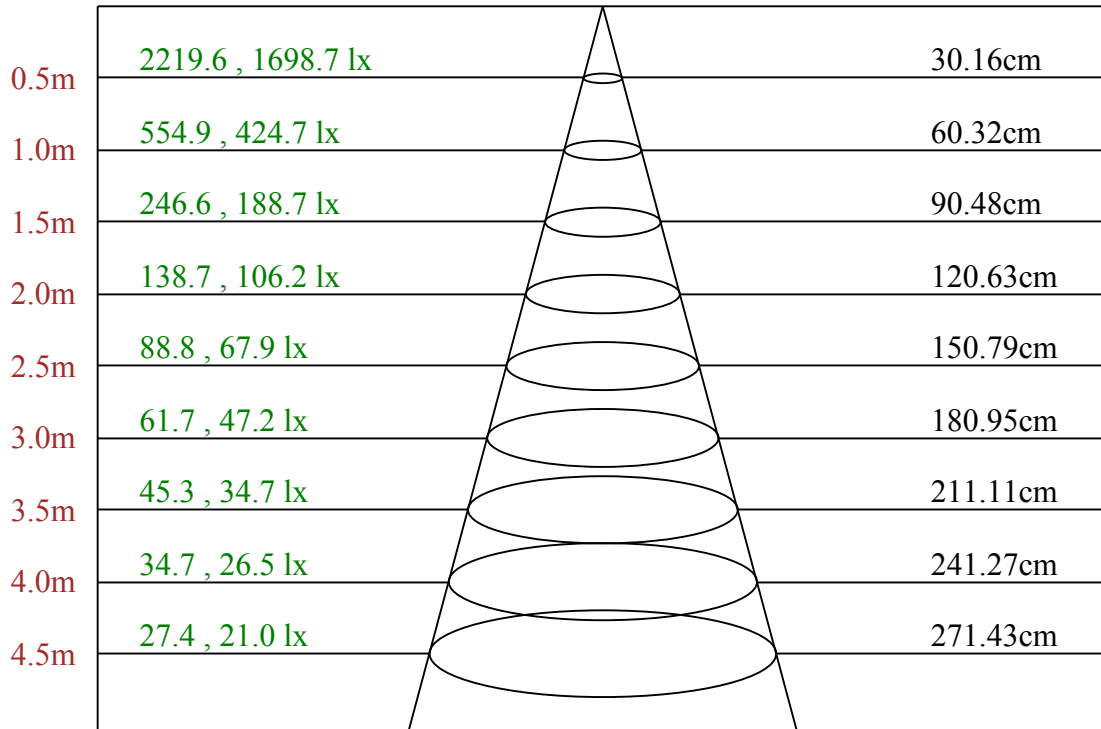
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/3  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

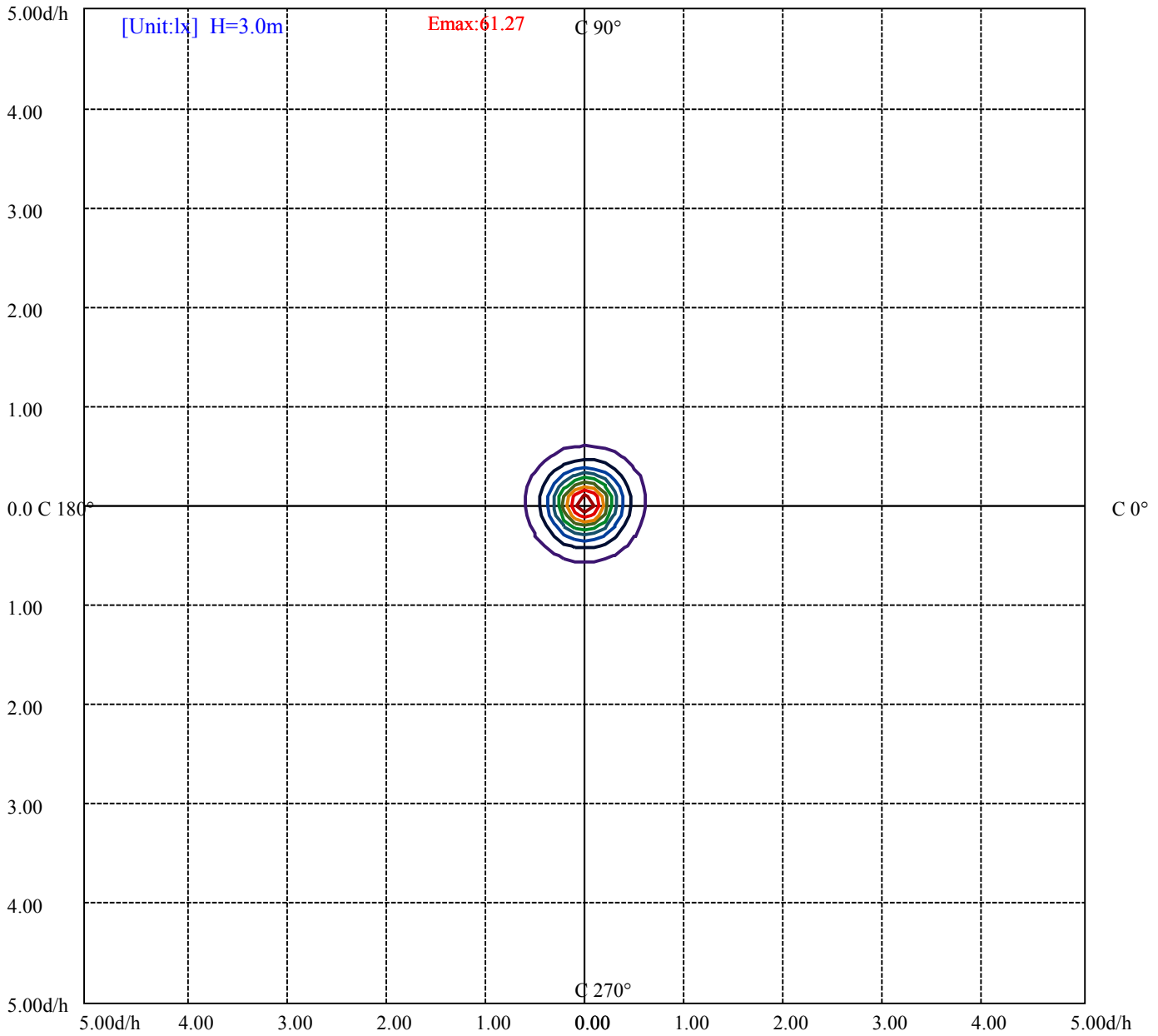











C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave C30面光束角33.54

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平面等照度曲线



(10%Emax) 6.127067	
(20%Emax) 12.25411	
(30%Emax) 18.38122	
(40%Emax) 24.50833	
(50%Emax) 30.63533	
(60%Emax) 36.76244	
(70%Emax) 42.88956	
(80%Emax) 49.01656	
(90%Emax) 55.14367	

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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

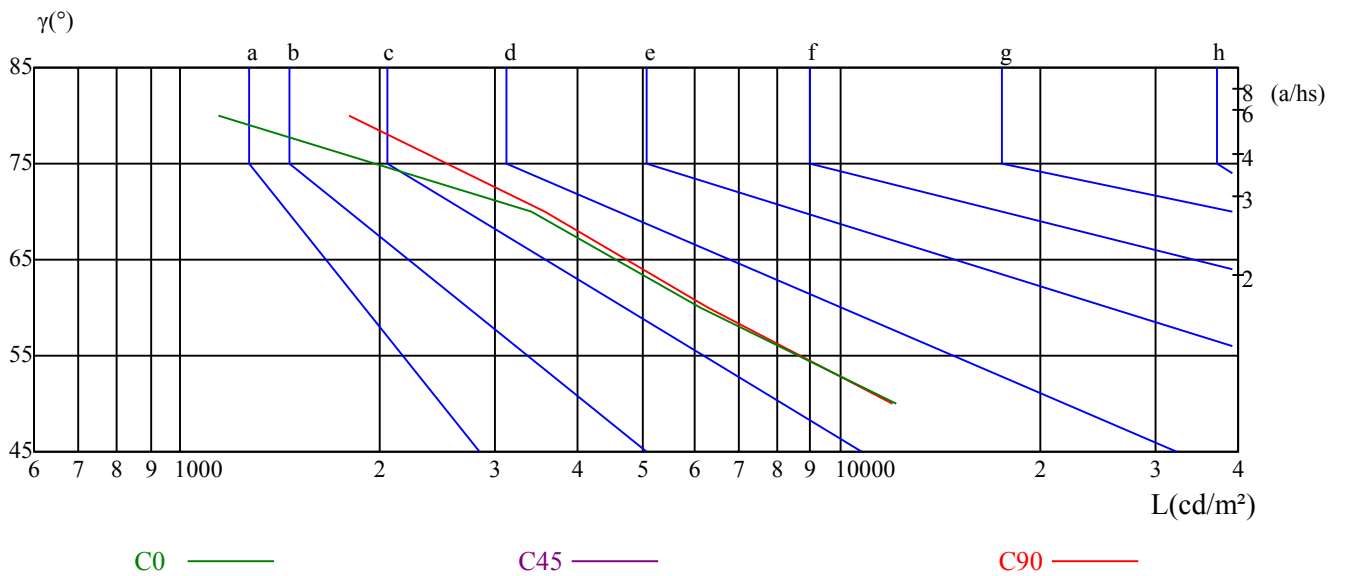
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	12141	0	6130	0	3402	0	1144	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11965	0	6300	0	3568	0	1798	0

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	18.84	19.93	19.20	20.24	20.55	19.27	20.36	19.64	20.67	20.99
	3H	19.37	20.33	19.76	20.67	21.03	19.75	20.71	20.13	21.04	21.41
	4H	19.49	20.38	19.90	20.73	21.12	19.84	20.73	20.25	21.08	21.47
	6H	19.50	20.32	19.92	20.69	21.09	19.82	20.63	20.24	21.01	21.40
	8H	19.48	20.24	19.91	20.63	21.04	19.78	20.55	20.22	20.94	21.35
	12H	19.44	20.17	19.88	20.56	20.99	19.74	20.47	20.18	20.86	21.29
4H	2H	18.95	19.84	19.36	20.19	20.58	19.34	20.23	19.75	20.58	20.97
	3H	19.61	20.33	20.03	20.74	21.15	19.95	20.67	20.36	21.08	21.48
	4H	19.78	20.42	20.22	20.85	21.29	20.09	20.73	20.53	21.15	21.60
	6H	19.82	20.37	20.29	20.82	21.29	20.10	20.65	20.56	21.10	21.57
	8H	19.79	20.30	20.26	20.75	21.23	20.05	20.57	20.53	21.02	21.49
	12H	19.76	20.20	20.25	20.69	21.16	20.01	20.46	20.50	20.95	21.42
8H	4H	19.75	20.27	20.23	20.72	21.19	20.05	20.56	20.52	21.01	21.48
	6H	19.82	20.22	20.32	20.73	21.21	20.08	20.49	20.59	20.99	21.48
	8H	19.80	20.17	20.33	20.69	21.18	20.06	20.42	20.59	20.94	21.44
	12H	20.36	20.68	20.88	21.18	21.76	20.62	20.94	21.14	21.43	22.01
12H	4H	19.71	20.15	20.20	20.64	21.12	20.00	20.44	20.49	20.93	21.41
	6H	20.12	20.14	20.31	20.61	21.16	20.38	20.40	20.57	20.87	21.42
	8H	19.78	20.09	20.30	20.59	21.17	20.03	20.35	20.55	20.85	21.42
对应照射距离，改变观察者位置S											
S = 1.0H	1.4/-2.0					1.3/-2.1					
S = 1.5H	3.0/-3.7					3.0/-3.9					
S = 2.0H	5.3/-4.8					5.3/-4.9					
标准表格	BK1					BK1					
更正系数	0.0					0.2					

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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	547.06	541.84	522.81	495.42	459.50	416.61	372.48	329.97	285.39
30.0	552.13	554.89	543.46	519.28	486.59	447.92	403.33	360.05	314.93
60.0	550.75	552.82	540.23	515.22	480.91	438.94	395.97	349.16	305.34
90.0	548.83	550.59	538.85	514.07	479.84	439.86	393.66	346.70	302.12
120.0	548.98	545.37	527.88	500.94	463.96	422.98	377.09	330.51	287.92
150.0	547.83	543.00	524.19	496.42	459.81	416.38	372.94	327.98	286.85
180.0	547.06	539.24	517.44	485.90	446.77	404.79	359.36	317.16	274.18
210.0	552.13	535.78	507.62	472.32	429.50	385.30	339.79	294.90	253.77
240.0	550.75	535.17	508.92	472.86	432.65	383.00	338.80	294.06	251.24
270.0	548.83	532.56	506.24	470.32	427.12	379.77	335.34	289.07	246.79
300.0	548.98	537.78	513.07	481.68	441.32	397.35	350.92	305.34	261.45
330.0	547.83	537.78	516.06	484.37	446.84	402.64	357.52	312.48	272.27
360.0	547.06	541.84	522.81	495.42	459.50	416.61	372.48	329.97	285.39
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	247.25	210.95	178.11	151.17	128.61	110.20	94.39	81.50	69.91
30.0	272.34	233.51	200.67	170.66	145.26	124.62	106.44	91.09	78.04
60.0	263.21	224.84	190.92	163.68	139.13	118.10	101.37	86.48	73.98
90.0	258.68	222.00	187.62	158.16	133.60	112.88	96.46	81.88	70.29
120.0	247.25	210.64	178.49	152.63	129.23	110.20	93.62	79.58	67.76
150.0	246.25	210.64	179.26	153.71	130.68	111.04	95.23	81.11	69.22
180.0	235.66	200.90	170.05	145.19	123.01	105.28	89.71	76.51	65.53
210.0	217.40	186.01	158.00	135.29	114.34	96.84	82.57	70.68	60.32
240.0	216.25	183.48	155.78	130.84	111.27	93.47	80.04	67.99	57.71
270.0	210.95	177.26	150.10	126.31	106.05	89.40	75.66	64.46	54.94
300.0	225.07	190.92	160.77	137.28	116.26	98.76	83.34	71.67	60.70
330.0	233.90	198.67	170.05	144.57	121.94	104.52	89.17	75.89	65.00
360.0	247.25	210.95	178.11	151.17	128.61	110.20	94.39	81.50	69.91
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	60.32	51.95	45.12	38.91	33.53	28.78	24.56	21.10	17.42
30.0	67.53	58.01	50.11	43.28	37.22	32.15	27.32	23.17	19.41
60.0	63.39	54.71	46.96	40.36	34.92	30.08	25.78	22.18	19.03
90.0	60.01	51.41	43.97	38.14	32.84	28.24	24.40	20.80	17.80
120.0	58.24	49.88	42.74	36.99	31.69	27.09	23.10	19.80	16.65
150.0	59.01	51.11	43.89	37.75	32.61	28.01	24.10	20.41	17.34
180.0	56.86	48.81	42.05	36.60	31.62	27.47	23.56	20.41	17.34
210.0	51.80	44.66	38.37	33.38	28.62	24.56	20.95	17.50	14.81
240.0	49.65	42.67	36.45	31.23	26.93	22.87	19.57	16.58	13.81
270.0	47.35	40.44	34.84	30.00	25.86	22.10	18.80	15.88	13.35
300.0	52.10	45.04	38.45	33.38	28.70	24.56	21.26	18.34	15.50
330.0	56.25	48.04	41.75	35.91	30.77	26.47	22.87	19.34	16.35
360.0	60.32	51.95	45.12	38.91	33.53	28.78	24.56	21.10	17.42
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	14.81	12.20	10.05	8.29	6.68	5.60	4.53	3.76	3.15
30.0	16.27	13.51	11.05	9.13	7.44	5.99	4.99	4.14	3.45
60.0	16.19	13.74	11.36	9.29	7.60	5.91	4.68	3.68	2.92
90.0	14.89	12.51	10.28	8.52	7.14	5.91	4.91	3.99	3.30
120.0	13.97	11.82	9.75	8.06	6.52	5.53	4.53	3.76	3.15
150.0	14.50	12.12	10.05	8.21	6.75	5.53	4.53	3.76	3.07
180.0	14.96	12.51	10.44	8.59	6.98	5.45	4.14	3.30	2.53
210.0	12.28	10.13	8.52	6.83	5.60	4.68	3.91	3.22	2.53
240.0	11.59	9.59	7.98	6.60	5.45	4.53	3.84	3.15	2.69
270.0	11.20	9.06	7.67	6.37	5.22	4.37	3.61	2.99	2.61
300.0	13.28	11.28	9.36	7.67	6.22	5.06	3.91	3.30	2.53
330.0	13.74	11.51	9.52	7.83	6.45	5.29	4.37	3.53	2.84
360.0	14.81	12.20	10.05	8.29	6.68	5.60	4.53	3.76	3.15

# ROLED 投光灯

## 光强数据表(cd)

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C/ $\gamma$ (°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	2.53	2.15	1.53	1.00	0.54	0.38	0.23	0.15	0.00
30.0	2.76	2.15	1.69	1.30	0.92	0.54	0.31	0.15	0.08
60.0	2.30	2.00	1.61	1.23	0.84	0.46	0.31	0.15	0.08
90.0	2.46	2.00	1.61	1.15	0.84	0.46	0.23	0.15	0.00
120.0	2.53	2.15	1.53	1.00	0.69	0.38	0.15	0.00	0.08
150.0	2.53	1.84	1.53	1.07	0.77	0.46	0.31	0.15	0.08
180.0	2.07	1.61	1.15	0.84	0.38	0.31	0.15	0.15	0.08
210.0	2.07	1.53	1.23	0.92	0.69	0.38	0.15	0.15	0.08
240.0	2.23	1.69	1.38	0.92	0.54	0.38	0.15	0.15	0.00
270.0	2.00	1.61	1.23	0.84	0.54	0.31	0.15	0.08	0.00
300.0	2.07	1.69	1.30	1.00	0.61	0.38	0.23	0.15	0.00
330.0	2.23	1.69	1.38	1.00	0.69	0.31	0.23	0.08	0.08
360.0	2.53	2.15	1.53	1.00	0.54	0.38	0.23	0.15	0.00

C/ $\gamma$ (°)	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	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.00
360.0	0.00