

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3483S6-48-24DC (2515-OL-48WN-AA, L1000.C.CT)

报告编号:

电压(V): 24.0000

测试编号: 20210402009

电流(A): 1.9180

光源规格型号: OD

功率(W): 46.0000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 48

镇流器型号:

发光面长度(mm): 987

发光面宽度(mm): 72

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): 4484.05

灯具效能(lm/w): 97.48

中心光强(cd): 22936.870

最大光强(cd): 23328.230

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=25.6

[C90/270]Total=13.8

光束扩散角(10%Imax): [C0/180]Total=46.0

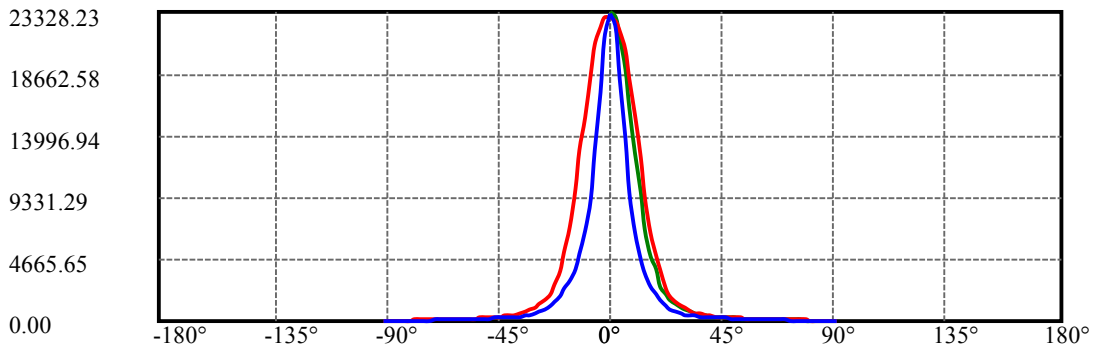
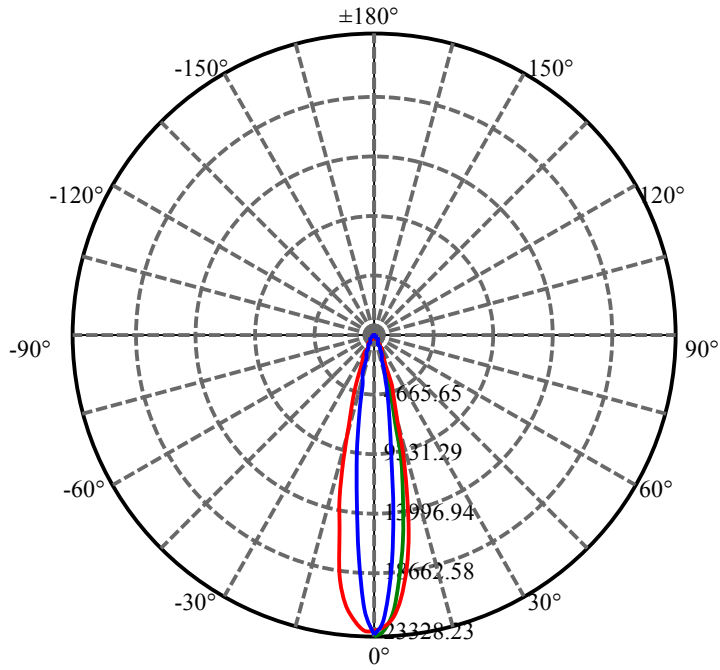
[C90/270]Total=35.4

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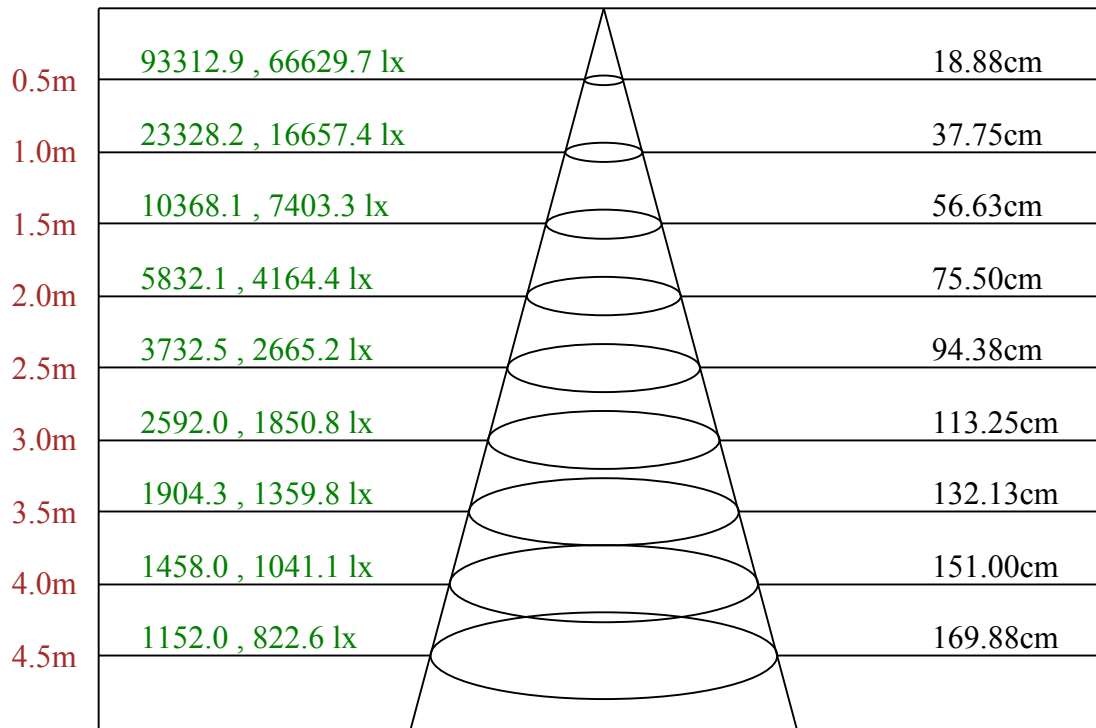
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/2  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

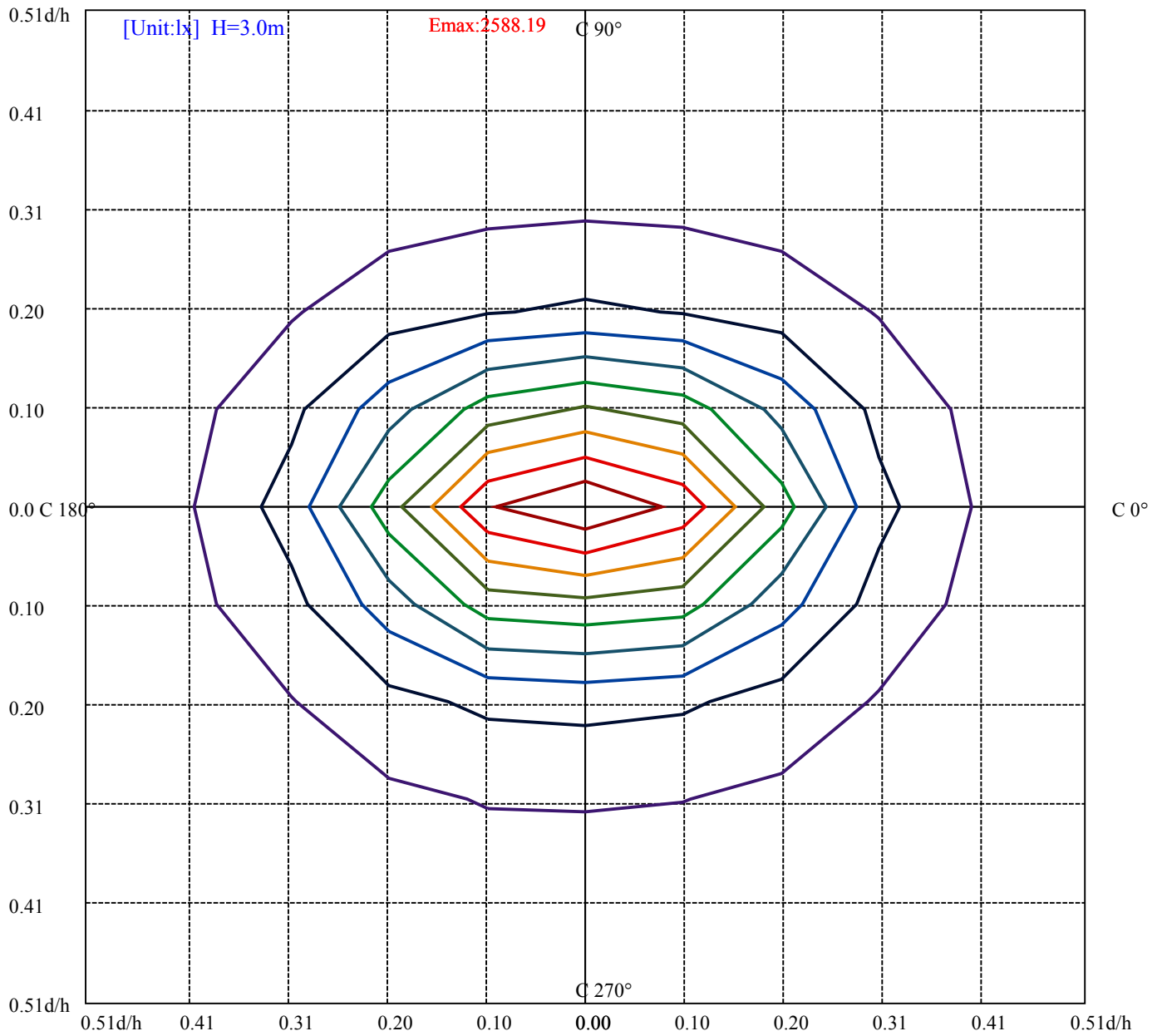


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角21.38

ROLED 投光灯  
平面等照度曲线



(10%Emax) 258.8178	—
(20%Emax) 517.6367	—
(30%Emax) 776.4544	—
(40%Emax) 1035.272	—
(50%Emax) 1294.089	—
(60%Emax) 1552.911	—
(70%Emax) 1811.722	—
(80%Emax) 2070.544	—
(90%Emax) 2329.367	—

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/2  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

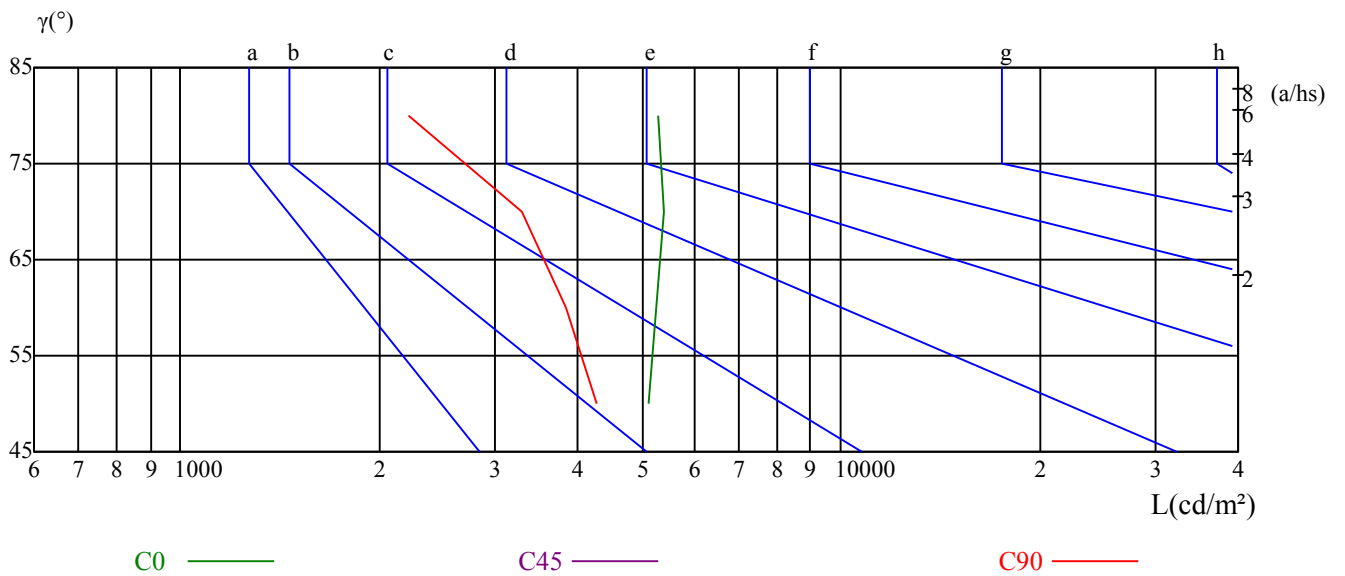
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5107	0	5265	0	5393	0	5298	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4267	0	3849	0	3299	0	2220	0

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

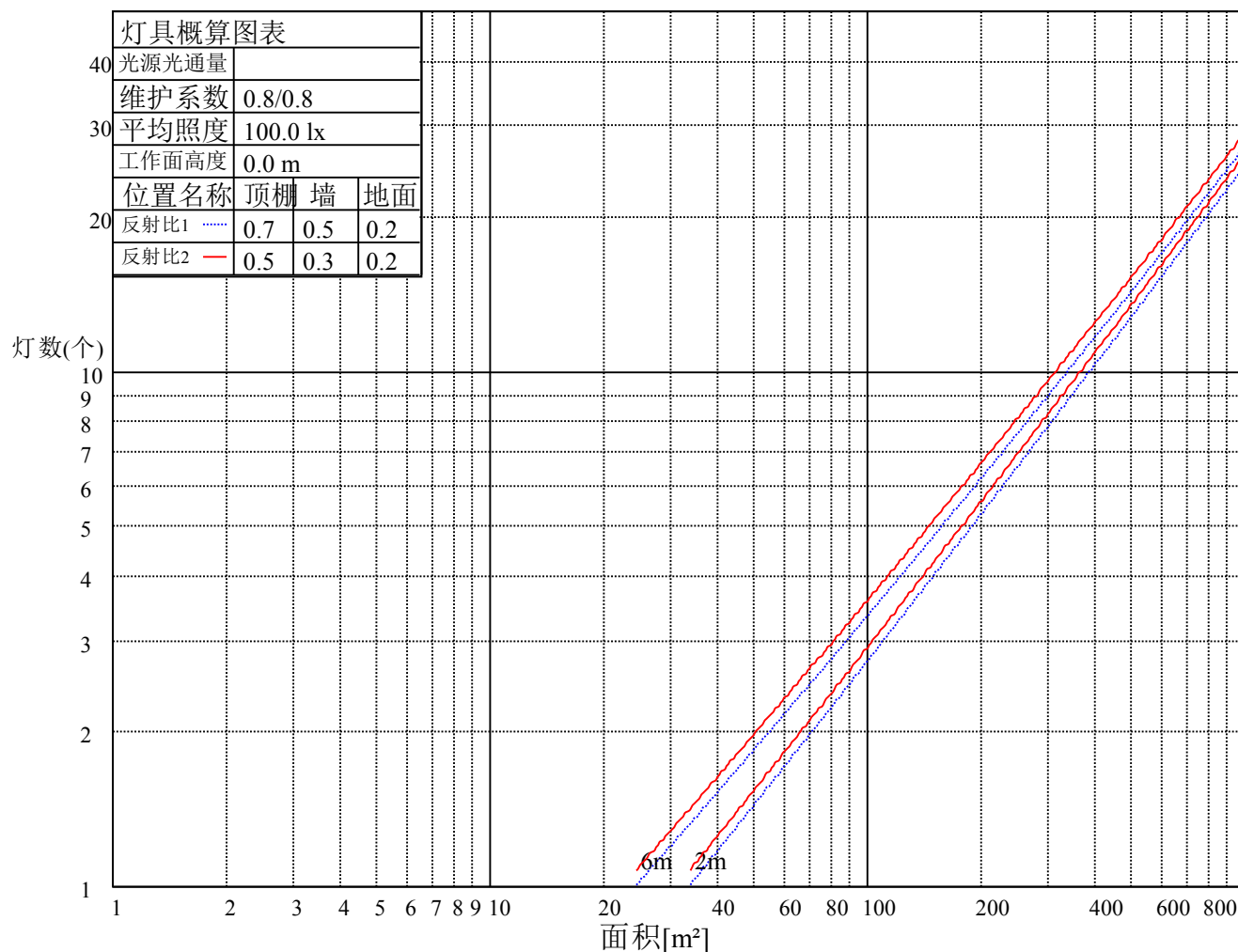
亮度限制曲线



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	7.52	8.59	7.88	8.90	9.22	8.70	9.78	9.07	10.09	10.41
	3H	9.01	9.96	9.39	10.29	10.66	10.88	11.84	11.26	12.17	12.54
	4H	9.55	10.43	9.95	10.79	11.17	11.73	12.62	12.14	12.97	13.36
	6H	9.80	10.62	10.22	10.99	11.39	12.40	13.21	12.81	13.58	13.98
	8H	9.84	10.61	10.28	11.00	11.41	12.64	13.40	13.07	13.80	14.20
	12H	9.89	10.62	10.33	11.01	11.44	12.96	13.69	13.39	14.07	14.50
4H	2H	8.29	9.18	8.70	9.53	9.92	9.20	10.09	9.61	10.44	10.83
	3H	9.93	10.66	10.35	11.07	11.48	11.58	12.31	12.00	12.72	13.12
	4H	10.55	11.20	10.99	11.62	12.07	12.53	13.18	12.97	13.61	14.05
	6H	10.82	11.38	11.29	11.83	12.30	13.18	13.74	13.65	14.19	14.66
	8H	10.88	11.40	11.35	11.85	12.32	13.47	13.99	13.94	14.44	14.91
	12H	10.93	11.38	11.42	11.87	12.35	13.80	14.25	14.29	14.74	15.21
8H	4H	10.90	11.42	11.37	11.87	12.34	12.65	13.17	13.12	13.62	14.09
	6H	11.27	11.69	11.78	12.19	12.67	13.39	13.81	13.90	14.31	14.79
	8H	11.37	11.74	11.90	12.26	12.76	13.75	14.11	14.28	14.64	15.13
	12H	11.99	12.31	12.51	12.81	13.38	14.55	14.87	15.07	15.37	15.95
12H	4H	10.92	11.37	11.41	11.86	12.34	12.62	13.07	13.11	13.56	14.03
	6H	11.68	11.70	11.86	12.17	12.71	13.73	13.75	13.91	14.22	14.77
	8H	11.47	11.79	11.99	12.29	12.86	13.77	14.08	14.29	14.58	15.16
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.6					0.3/-0.6					
S = 1.5H	0.7/-0.8					0.8/-0.6					
S = 2.0H	1.2/-1.0					1.1/-0.6					
标准表格	BK4					BKBF					
更正系数	-1.4					3.4					

# ROLED 投光灯

## 灯具的概算曲线



# ROLED 投光灯

## 灯具的利用系数表

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.97	0.96	0.94
2	1.04	1.00	0.97	1.02	0.99	0.96	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.92	0.90	0.88
3	0.98	0.94	0.90	0.97	0.93	0.89	0.94	0.91	0.88	0.92	0.89	0.86	0.90	0.87	0.85	0.84
4	0.93	0.88	0.84	0.92	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.80
5	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.76
6	0.85	0.80	0.76	0.84	0.79	0.76	0.83	0.79	0.75	0.81	0.78	0.75	0.80	0.77	0.74	0.73
7	0.82	0.77	0.73	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.71
8	0.79	0.74	0.70	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
9	0.76	0.71	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.66
10	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.64



ROLED 投光灯

光强数据表(cd)

附页 第9页 共10页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	22936.87	22645.27	21824.17	20419.88	18225.18	15516.34	12354.75	9354.31	6729.89
30.0	23328.23	22906.17	21394.44	18954.19	16038.16	12677.05	9661.26	7021.49	4980.27
60.0	23259.17	22023.69	18762.34	14827.24	10792.38	7710.59	5419.21	3871.41	2860.78
90.0	23159.41	21993.00	18232.85	13797.42	9645.92	6699.19	4665.65	3642.73	2617.52
120.0	23090.34	21839.52	18570.50	14651.51	10668.06	7480.38	5357.82	3841.48	2849.27
150.0	23005.93	22568.53	21033.78	18578.17	15677.49	12347.08	9285.25	6860.34	4895.86
180.0	22936.87	22829.44	22177.17	20864.95	18739.32	15299.18	12929.52	9981.26	7162.69
210.0	23328.23	22645.27	20972.39	18394.00	15188.67	12029.39	9079.59	6627.06	4881.28
240.0	23259.17	22062.06	19046.27	15002.20	11219.04	8279.99	6100.64	4596.58	3692.61
270.0	23159.41	21256.32	17173.87	12923.38	9239.97	6787.44	5117.63	3942.01	3068.74
300.0	23090.34	21900.91	18869.78	14825.70	11180.67	8072.80	5916.47	4496.82	3431.71
330.0	23005.93	22361.34	20619.39	18010.31	14918.56	11582.01	8787.22	6377.66	4589.68
360.0	22936.87	22645.27	21824.17	20419.88	18225.18	15516.34	12354.75	9354.31	6729.89
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4872.84	3898.27	2517.76	1918.44	1488.71	1176.39	953.08	789.63	650.73
30.0	3928.97	2653.59	1992.88	1543.96	1237.78	996.05	819.56	676.83	564.79
60.0	2213.88	1710.48	1342.75	1072.41	854.70	698.62	578.14	487.82	419.45
90.0	2008.99	1549.33	1190.20	936.97	744.35	610.83	504.93	427.43	389.06
120.0	2183.18	1709.71	1338.69	1068.03	850.87	688.26	575.23	481.61	417.22
150.0	3882.92	2592.96	1982.90	1536.29	1232.41	989.92	807.28	672.99	563.25
180.0	5225.83	3721.77	2743.37	2056.57	1530.53	1268.40	1021.22	832.45	686.26
210.0	3601.30	2690.42	2084.96	1527.31	1320.50	1059.52	864.76	711.05	598.25
240.0	2765.62	2160.93	1702.04	1334.47	1058.21	841.04	692.94	575.53	484.98
270.0	2424.14	1866.26	1454.02	1127.81	885.86	713.58	579.60	480.22	409.70
300.0	2663.56	2079.59	1632.98	1283.05	1030.59	821.86	670.69	557.88	473.47
330.0	3374.92	2555.36	1950.67	1523.47	1238.93	997.44	816.95	680.66	569.16
360.0	4872.84	3898.27	2517.76	1918.44	1488.71	1176.39	953.08	789.63	650.73
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	550.98	467.33	399.80	349.54	310.02	276.33	251.85	233.28	218.01
30.0	481.14	412.85	360.82	319.00	287.84	262.06	242.95	227.22	214.94
60.0	370.18	329.51	297.74	273.80	252.77	235.43	221.23	209.49	198.83
90.0	332.04	300.12	274.64	254.92	237.81	223.23	208.50	194.91	181.87
120.0	365.19	327.06	295.90	271.50	252.16	235.28	221.46	209.80	199.82
150.0	477.31	409.78	360.44	318.77	286.54	262.52	242.95	228.60	216.71
180.0	578.60	488.90	420.91	364.35	319.23	284.01	258.38	237.66	221.85
210.0	507.01	431.96	376.17	330.13	292.91	264.67	244.64	228.45	217.32
240.0	418.99	367.65	326.44	291.83	266.43	244.10	228.14	213.94	201.97
270.0	360.82	320.46	288.92	265.21	243.87	225.53	209.42	195.68	182.18
300.0	406.71	360.05	319.15	287.84	262.60	243.03	226.91	213.87	203.05
330.0	483.60	416.76	360.97	318.15	285.31	259.22	239.73	224.46	213.87
360.0	550.98	467.33	399.80	349.54	310.02	276.33	251.85	233.28	218.01
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	208.34	201.28	194.53	187.09	177.65	166.83	155.39	144.04	131.07
30.0	205.20	197.06	189.77	180.95	171.43	160.23	148.41	136.44	123.39
60.0	188.54	178.80	168.52	157.08	144.88	131.37	116.26	104.13	90.63
90.0	170.20	159.31	147.57	136.75	124.55	113.88	102.21	91.39	80.19
120.0	189.77	179.26	169.36	158.46	146.65	132.68	118.25	105.36	92.39
150.0	207.11	199.36	192.23	183.10	173.27	162.07	150.18	138.20	124.31
180.0	211.34	203.97	197.52	190.39	181.94	171.20	159.46	148.18	135.67
210.0	208.34	201.05	194.38	185.94	175.73	164.14	152.09	138.28	124.01
240.0	192.38	182.10	173.04	162.99	152.40	136.67	119.33	106.97	93.24
270.0	170.51	158.85	146.49	135.29	122.17	112.04	101.60	90.86	79.58
300.0	193.38	183.86	174.35	164.68	152.71	137.28	121.09	107.89	93.39
330.0	205.35	198.44	190.92	181.79	170.89	159.92	147.87	134.37	121.48
360.0	208.34	201.28	194.53	187.09	177.65	166.83	155.39	144.04	131.07

# ROLED 投光灯

## 光强数据表(cd)

附页 第 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	119.33	105.97	92.85	78.96	65.38	52.34	38.98	23.87	7.67
30.0	109.66	94.46	75.89	59.01	45.89	34.53	23.87	7.29	3.61
60.0	77.04	63.77	55.56	46.27	33.00	17.19	12.74	7.37	5.45
90.0	70.14	62.46	53.87	44.28	27.40	18.34	13.66	8.67	6.06
120.0	78.35	64.46	55.56	46.58	33.99	17.65	12.97	7.52	5.53
150.0	110.96	95.69	77.04	59.86	46.04	35.30	24.86	7.60	3.68
180.0	123.78	109.81	96.54	82.11	69.06	55.56	42.21	28.09	11.74
210.0	110.35	93.85	71.52	55.86	42.36	32.31	19.18	6.22	3.15
240.0	79.35	65.76	57.02	47.12	32.08	15.35	11.28	6.75	4.14
270.0	69.91	61.70	51.87	35.91	20.49	15.50	10.36	7.67	3.68
300.0	78.81	65.53	56.48	46.96	30.70	15.27	11.13	6.75	4.07
330.0	106.82	90.32	69.75	55.10	40.98	31.85	17.50	5.91	3.07
360.0	119.33	105.97	92.85	78.96	65.38	52.34	38.98	23.87	7.67
C/γ(°)	90.0								
0.0	0.38								
30.0	0.92								
60.0	0.77								
90.0	1.07								
120.0	0.84								
150.0	1.07								
180.0	0.46								
210.0	0.38								
240.0	0.23								
270.0	0.23								
300.0	0.31								
330.0	0.38								
360.0	0.38								