

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3443A-18-UN-RC-Y (3015-XL-18RGBWN-AJ, L1000, A, CT)

报告编号:

电压(V): 219.9000

测试编号: 20210411004

电流(A): 0.4380

光源规格型号: XL

功率(W): 92.5000

每个光源光通量(lm)

功率因数: 0.9610

光源数量: 18

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 60

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): 4229.06

灯具效能(lm/w): 45.72

中心光强(cd): 23236.140

最大光强(cd): 23642.860

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=28.2

[C90/270]Total=12.9

光束扩散角(10%Imax): [C0/180]Total=49.1

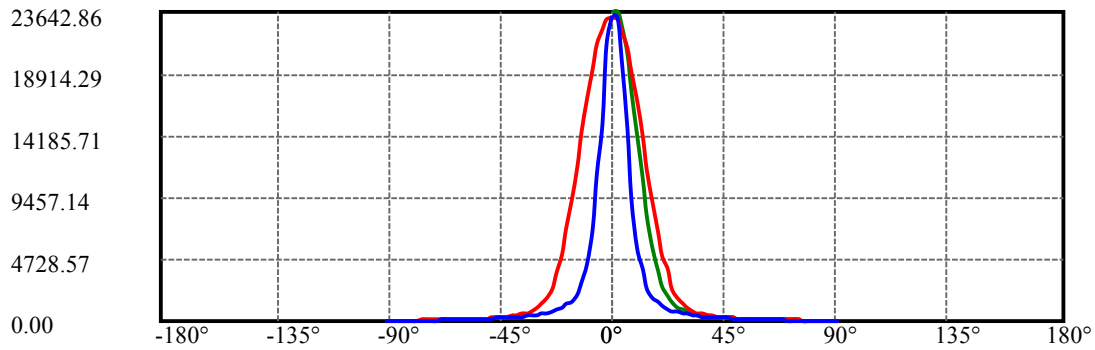
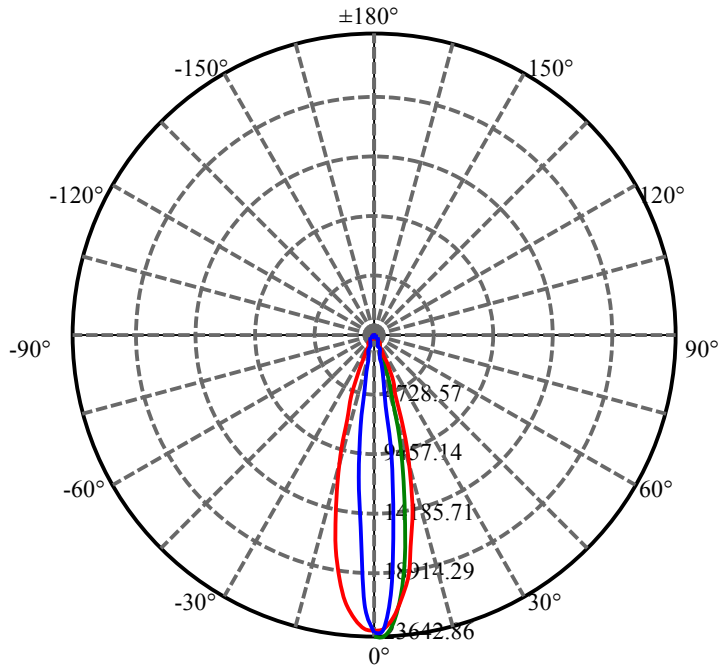
[C90/270]Total=27.6

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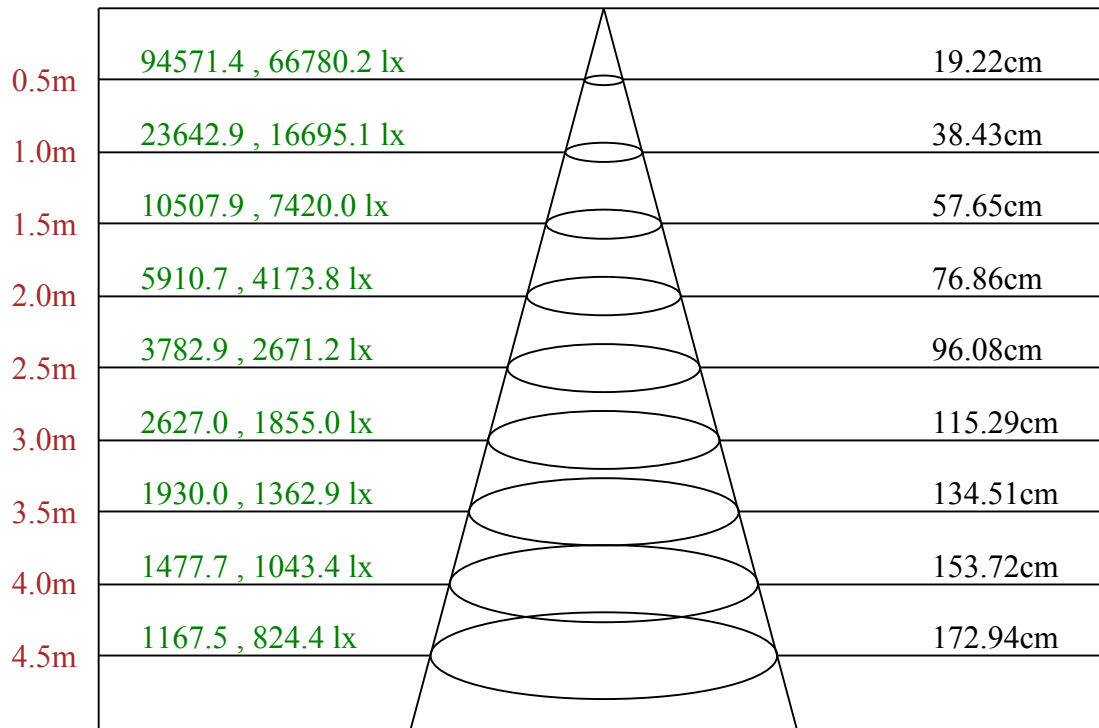
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/11  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

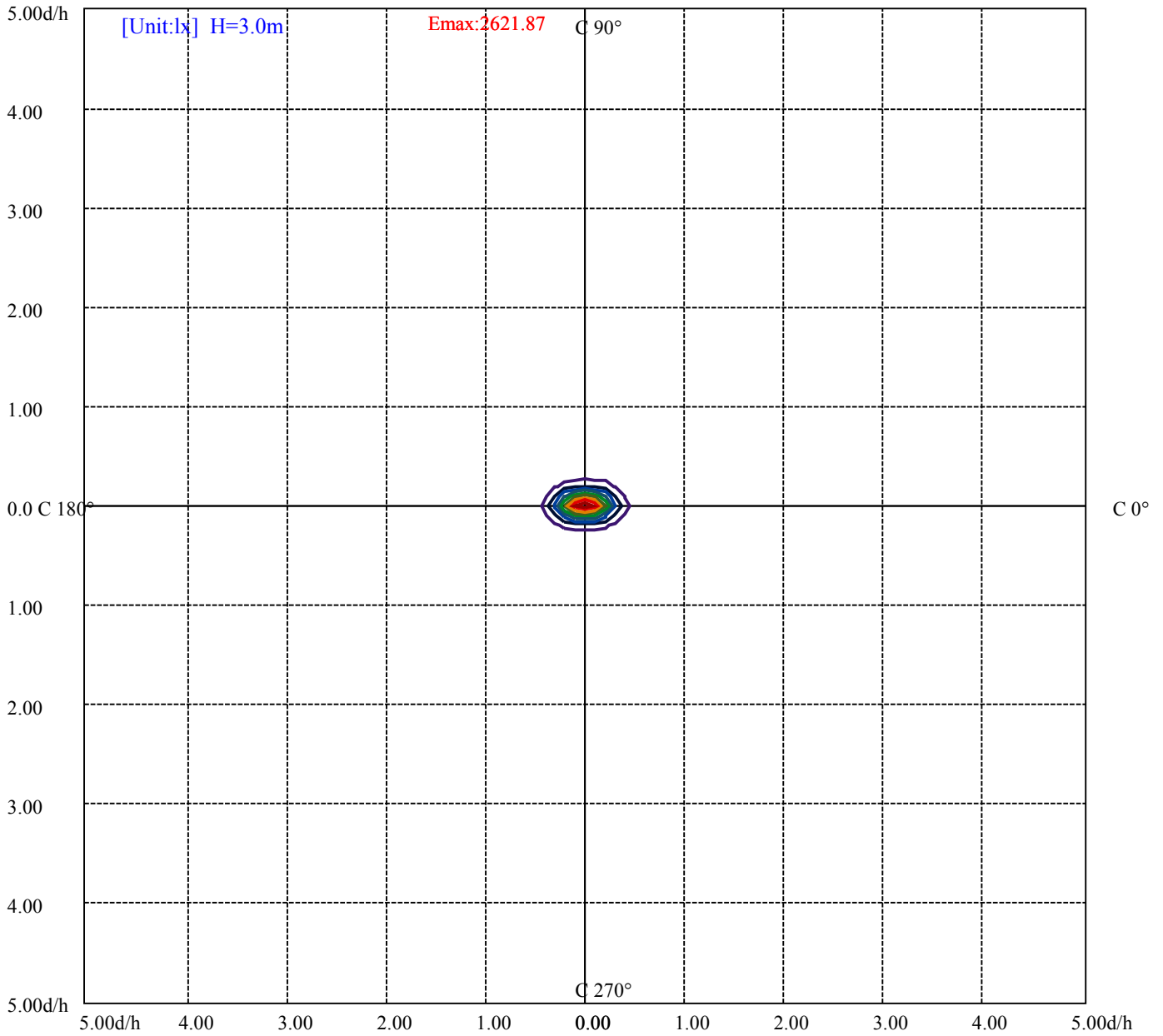


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角21.75

ROLED 投光灯  
平面等照度曲线



(10%Emax) 262.1866	——
(20%Emax) 524.3733	——
(30%Emax) 786.5588	——
(40%Emax) 1048.746	——
(50%Emax) 1310.933	——
(60%Emax) 1573.122	——
(70%Emax) 1835.3	——
(80%Emax) 2097.489	——
(90%Emax) 2359.678	——

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

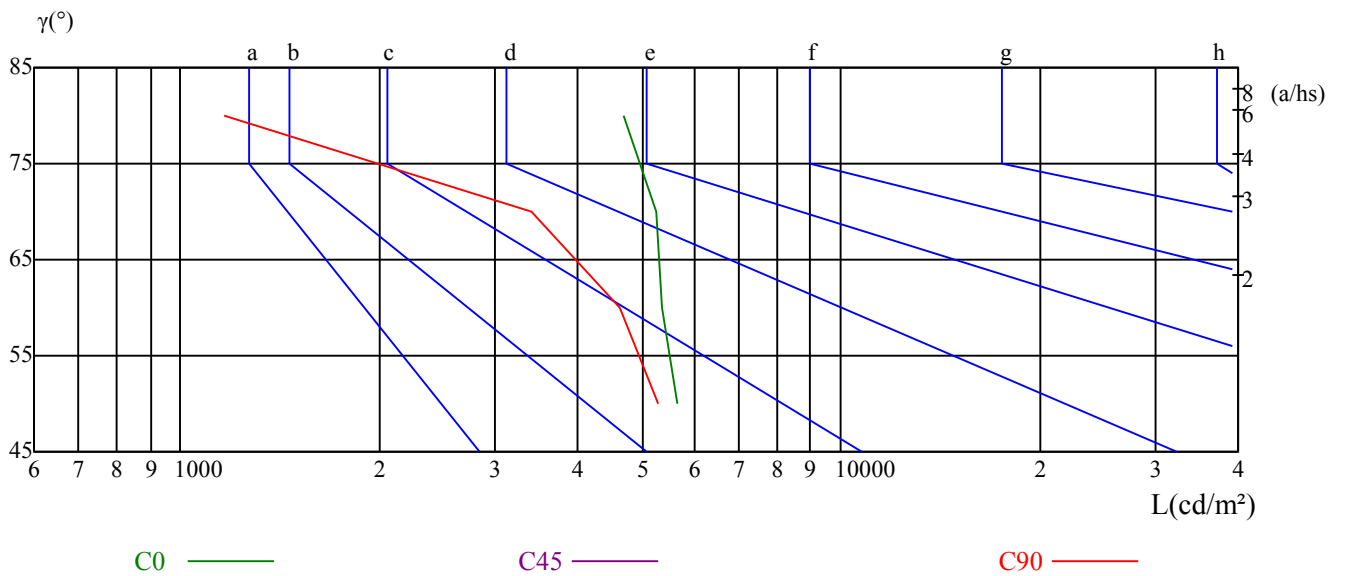
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5650	0	5372	0	5270	0	4690	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5291	0	4617	0	3407	0	1165	0

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	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

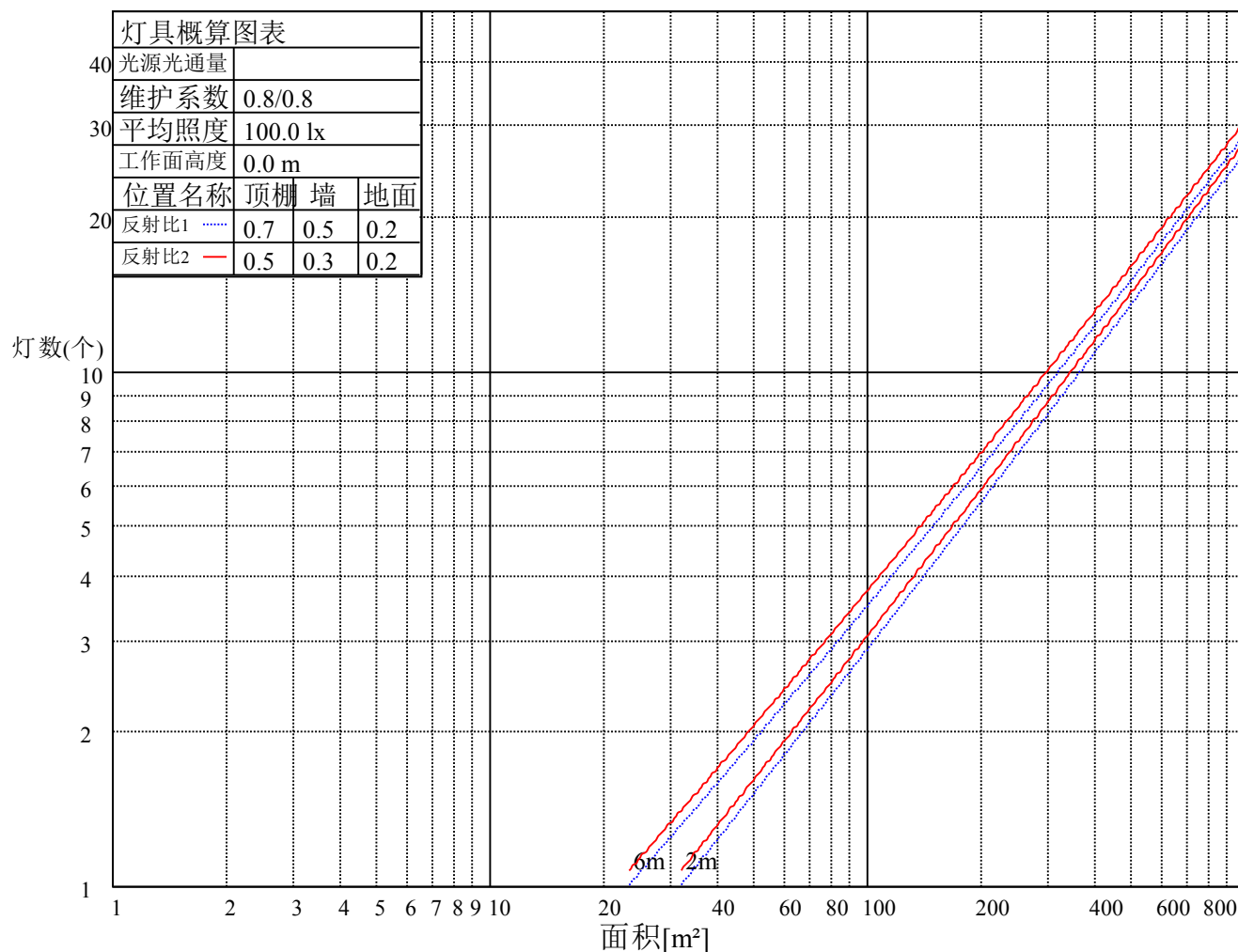
亮度限制曲线



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	8.16	9.21	8.52	9.53	9.84	8.83	9.88	9.19	10.19	10.51
	3H	9.42	10.35	9.80	10.68	11.05	10.91	11.85	11.30	12.18	12.55
	4H	9.67	10.54	10.08	10.89	11.28	11.68	12.55	12.09	12.90	13.29
	6H	9.71	10.50	10.12	10.88	11.27	12.21	13.00	12.63	13.38	13.77
	8H	9.68	10.43	10.12	10.82	11.23	12.38	13.13	12.82	13.52	13.93
	12H	9.66	10.38	10.10	10.76	11.19	12.61	13.33	13.05	13.71	14.14
4H	2H	8.87	9.74	9.28	10.09	10.48	9.38	10.25	9.79	10.60	10.99
	3H	10.23	10.94	10.64	11.35	11.75	11.72	12.44	12.14	12.84	13.25
	4H	10.52	11.16	10.96	11.58	12.03	12.61	13.24	13.04	13.67	14.11
	6H	10.57	11.12	11.04	11.57	12.04	13.12	13.66	13.59	14.11	14.58
	8H	10.54	11.05	11.02	11.50	11.98	13.31	13.82	13.79	14.27	14.75
	12H	10.53	10.97	11.02	11.45	11.93	13.54	13.98	14.03	14.46	14.94
8H	4H	10.83	11.34	11.31	11.79	12.26	12.68	13.19	13.16	13.64	14.12
	6H	10.90	11.30	11.41	11.81	12.29	13.28	13.69	13.79	14.19	14.67
	8H	10.89	11.24	11.42	11.76	12.26	13.53	13.88	14.06	14.41	14.90
	12H	11.61	11.91	12.13	12.41	12.99	14.26	14.57	14.78	15.07	15.65
12H	4H	10.84	11.28	11.33	11.76	12.24	12.63	13.07	13.12	13.56	14.04
	6H	11.25	11.28	11.46	11.75	12.30	13.57	13.60	13.77	14.07	14.62
	8H	10.93	11.24	11.45	11.74	12.32	13.51	13.82	14.03	14.32	14.90
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.4/-0.6					
S = 1.5H	0.9/-0.8					0.8/-0.7					
S = 2.0H	1.8/-1.4					1.6/-0.8					
标准表格	BK3					BK3					
更正系数	-1.9					-0.3					

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## 灯具的概算曲线



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	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.05	1.01	0.98	1.03	0.99	0.97	1.00	0.97	0.95	0.97	0.94	0.93	0.94	0.92	0.91	0.89
3	0.99	0.94	0.91	0.97	0.93	0.90	0.95	0.91	0.89	0.92	0.90	0.87	0.90	0.88	0.86	0.85
4	0.94	0.89	0.85	0.93	0.88	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.81
5	0.90	0.85	0.81	0.89	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.79	0.77
6	0.86	0.81	0.77	0.85	0.81	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.76	0.74
7	0.83	0.78	0.74	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.76	0.73	0.72
8	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.77	0.73	0.71	0.70
9	0.77	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.67
10	0.75	0.70	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66



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	23236.15	22998.26	22223.21	20872.63	19046.27	16836.23	14158.09	11641.09	9070.38
30.0	23642.85	23596.81	22576.20	20473.59	17603.61	14227.15	10881.39	8011.41	5571.15
60.0	23550.77	23044.30	20404.53	15253.90	11061.73	7233.29	4598.12	3074.88	2149.42
90.0	23358.93	22990.58	19905.73	14741.29	9438.72	5632.54	3921.29	2444.09	1806.40
120.0	23343.58	22691.31	19890.39	15169.49	10722.54	6811.23	4437.74	2916.03	2081.89
150.0	23251.49	23136.39	21969.97	19959.45	16889.95	13682.31	10382.60	7597.02	5218.16
180.0	23236.15	23028.95	22299.95	21118.19	19330.20	17043.42	14462.74	11822.96	9200.84
210.0	23642.85	22714.33	20680.78	17887.53	14600.10	11407.04	8470.30	6063.04	4302.68
240.0	23550.77	21985.32	18294.24	13674.64	9369.66	6223.42	3959.66	2767.93	1981.36
270.0	23358.93	21056.80	15161.05	11162.25	7165.76	4425.46	2910.66	2053.50	1516.95
300.0	23343.58	21816.50	18394.00	13582.56	9438.72	6092.97	3921.29	2670.47	1932.25
330.0	23251.49	22345.99	20366.16	17726.39	14452.76	11072.47	8138.02	5852.01	4017.21
360.0	23236.15	22998.26	22223.21	20872.63	19046.27	16836.23	14158.09	11641.09	9070.38
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	6791.28	4980.27	3913.62	2510.09	1798.73	1329.86	998.36	789.63	623.88
30.0	3890.60	2688.12	1897.72	1419.65	1088.91	863.30	705.22	591.65	499.56
60.0	1531.38	1264.48	1036.49	863.84	735.15	627.48	541.77	470.40	411.16
90.0	1399.69	1124.21	923.92	782.72	669.15	583.21	517.21	458.12	410.55
120.0	1523.63	1219.82	984.47	822.17	690.02	587.81	512.38	447.30	393.89
150.0	3898.27	2479.39	1742.71	1286.12	987.61	795.00	653.04	550.98	468.87
180.0	7041.44	5106.89	3602.83	2567.64	1804.87	1315.82	989.84	778.89	624.80
210.0	3036.51	2206.97	1514.34	1236.24	973.57	792.39	657.64	553.51	474.16
240.0	1515.57	1208.62	989.15	832.60	710.59	610.06	527.95	464.26	405.94
270.0	1248.90	1024.45	861.38	735.15	641.68	556.42	494.42	439.48	390.29
300.0	1451.11	1155.67	953.85	795.00	676.83	579.37	504.93	441.24	390.59
330.0	2847.73	2019.73	1479.27	1133.41	907.27	733.84	611.75	520.43	442.85
360.0	6791.28	4980.27	3913.62	2510.09	1798.73	1329.86	998.36	789.63	623.88
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	517.98	435.10	389.06	318.77	281.63	254.15	231.52	213.56	198.60
30.0	431.27	389.06	331.43	296.74	270.27	247.79	229.29	214.48	200.90
60.0	364.89	324.98	294.21	267.74	245.71	226.99	212.18	198.14	185.86
90.0	367.04	331.35	297.90	272.19	250.01	231.75	215.63	199.98	186.32
120.0	349.92	315.08	284.77	261.14	240.27	222.23	207.11	194.30	182.18
150.0	404.41	355.30	316.54	284.47	258.76	238.88	221.62	207.73	194.45
180.0	519.28	434.64	369.11	317.92	282.93	255.00	233.21	215.86	200.98
210.0	410.47	361.97	318.54	288.61	262.83	242.49	225.30	210.41	198.14
240.0	361.36	322.53	289.99	263.82	243.95	225.61	210.34	198.06	185.94
270.0	352.53	318.23	288.53	262.21	239.73	221.16	206.73	193.30	181.71
300.0	346.16	309.64	278.79	255.08	235.05	217.55	203.74	191.15	179.80
330.0	386.76	339.49	300.81	271.65	247.79	228.91	213.10	199.98	187.62
360.0	517.98	435.10	389.06	318.77	281.63	254.15	231.52	213.56	198.60
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	186.86	176.34	166.60	157.93	149.02	139.36	129.15	118.33	105.97
30.0	189.77	178.57	169.74	161.23	153.55	144.34	135.21	125.62	115.03
60.0	175.50	165.60	155.47	145.03	134.37	122.40	111.04	94.62	75.20
90.0	175.65	162.84	147.95	135.75	123.93	109.73	94.62	80.88	68.53
120.0	171.97	162.99	153.94	144.27	133.45	122.40	109.96	94.00	75.82
150.0	183.94	173.89	165.52	157.85	150.56	143.65	135.60	126.46	114.26
180.0	188.93	178.34	169.59	160.77	151.86	142.96	132.45	120.86	108.74
210.0	187.01	177.03	168.36	161.07	153.32	145.65	137.13	126.77	115.11
240.0	175.73	166.67	158.46	149.02	139.13	128.00	114.57	95.92	76.20
270.0	170.66	154.86	142.73	131.22	118.41	102.67	88.79	75.66	62.31
300.0	169.90	161.46	153.01	143.96	134.75	123.32	111.04	92.09	73.82
330.0	177.03	167.52	159.61	152.17	144.65	137.21	128.84	119.86	108.05
360.0	186.86	176.34	166.60	157.93	149.02	139.36	129.15	118.33	105.97

# 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	94.08	82.72	70.52	58.40	47.88	37.29	27.55	17.19	6.29
30.0	100.60	85.41	71.75	57.25	35.99	18.26	7.60	3.45	2.00
60.0	61.31	45.66	32.46	22.48	12.74	7.14	5.91	3.68	2.76
90.0	56.02	44.43	32.08	20.49	11.89	9.44	6.83	4.83	3.61
120.0	60.85	48.19	35.84	24.79	14.04	7.60	6.37	3.91	3.07
150.0	102.06	87.63	71.75	58.47	40.13	20.72	9.06	3.45	2.00
180.0	97.23	85.26	74.05	61.77	50.49	39.98	30.31	20.18	9.59
210.0	102.14	88.79	73.59	57.32	33.00	17.34	6.45	3.61	2.15
240.0	62.23	48.11	35.30	22.71	12.12	8.59	6.29	4.22	2.38
270.0	50.42	36.91	25.17	15.04	10.59	8.82	5.29	4.53	1.92
300.0	59.24	46.12	33.00	20.87	11.36	8.21	5.60	3.99	1.92
330.0	96.08	81.57	67.15	51.64	28.47	14.35	4.83	3.07	1.69
360.0	94.08	82.72	70.52	58.40	47.88	37.29	27.55	17.19	6.29
C/γ(°)	90.0								
0.0	0.31								
30.0	0.46								
60.0	0.54								
90.0	0.77								
120.0	0.77								
150.0	0.77								
180.0	0.38								
210.0	0.38								
240.0	0.31								
270.0	0.31								
300.0	0.38								
330.0	0.38								
360.0	0.31								