

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F1018A-36-UN(15-OL-36WN-AA, CT)

报告编号:

电压(V): 202.0000

测试编号: 20210223008

电流(A): 0.2040

光源规格型号: OL

功率(W): 40.2000

每个光源光通量(lm)

功率因数: 0.9770

光源数量: 36

镇流器型号:

发光面长度(mm): 210

发光面宽度(mm): 210

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): 3824.62

灯具效能(lm/w): 95.14

中心光强(cd): 28039.920

最大光强(cd): 28132.010

最大光强角度: C=60.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=14.8

[C90/270]Total=14.6

光束扩散角(10%Imax): [C0/180]Total=32.6

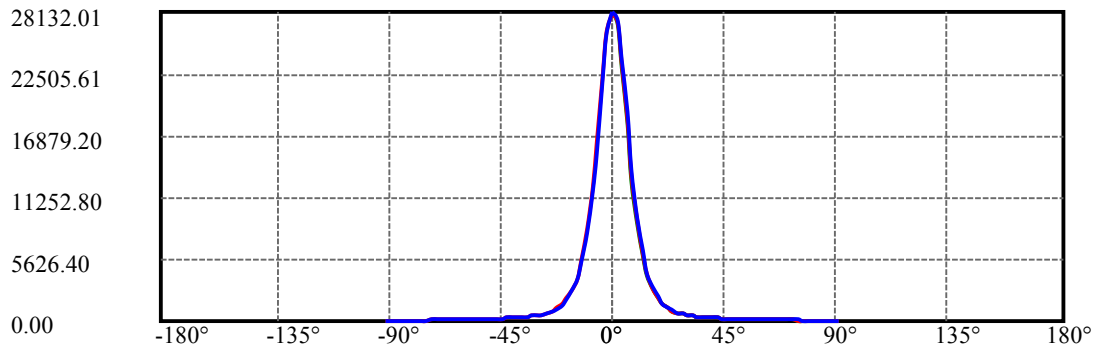
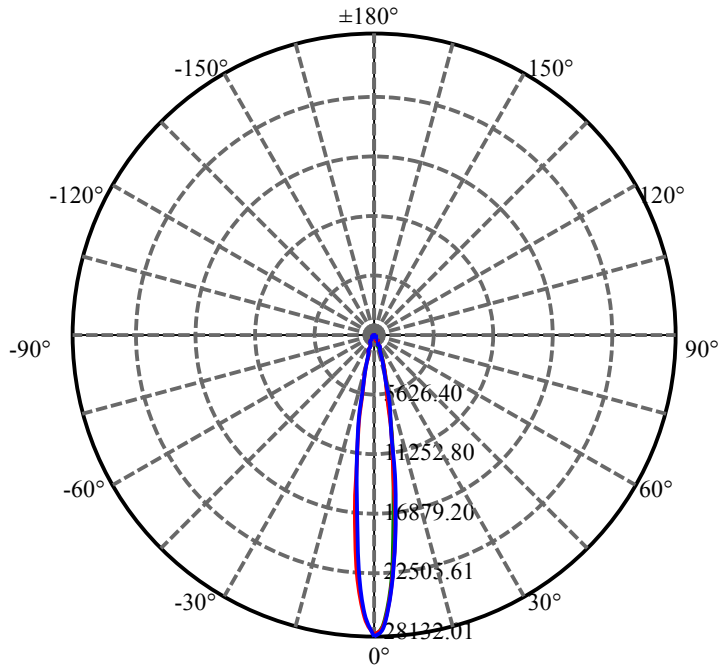
[C90/270]Total=32.5

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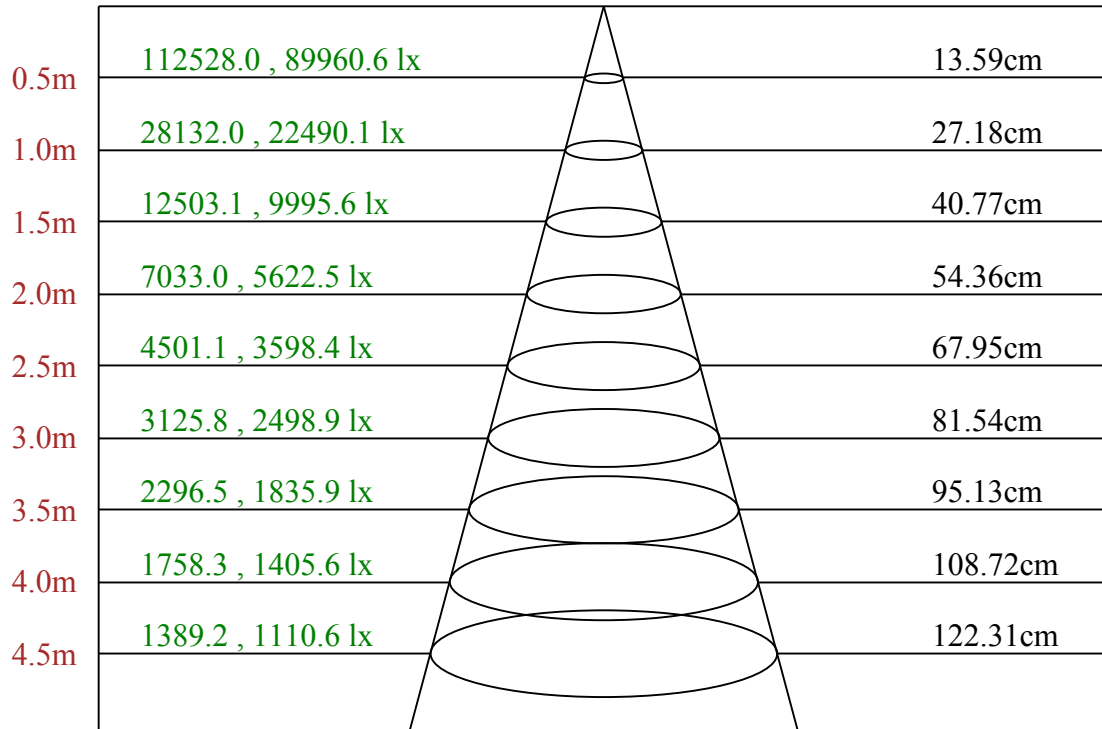
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/23  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

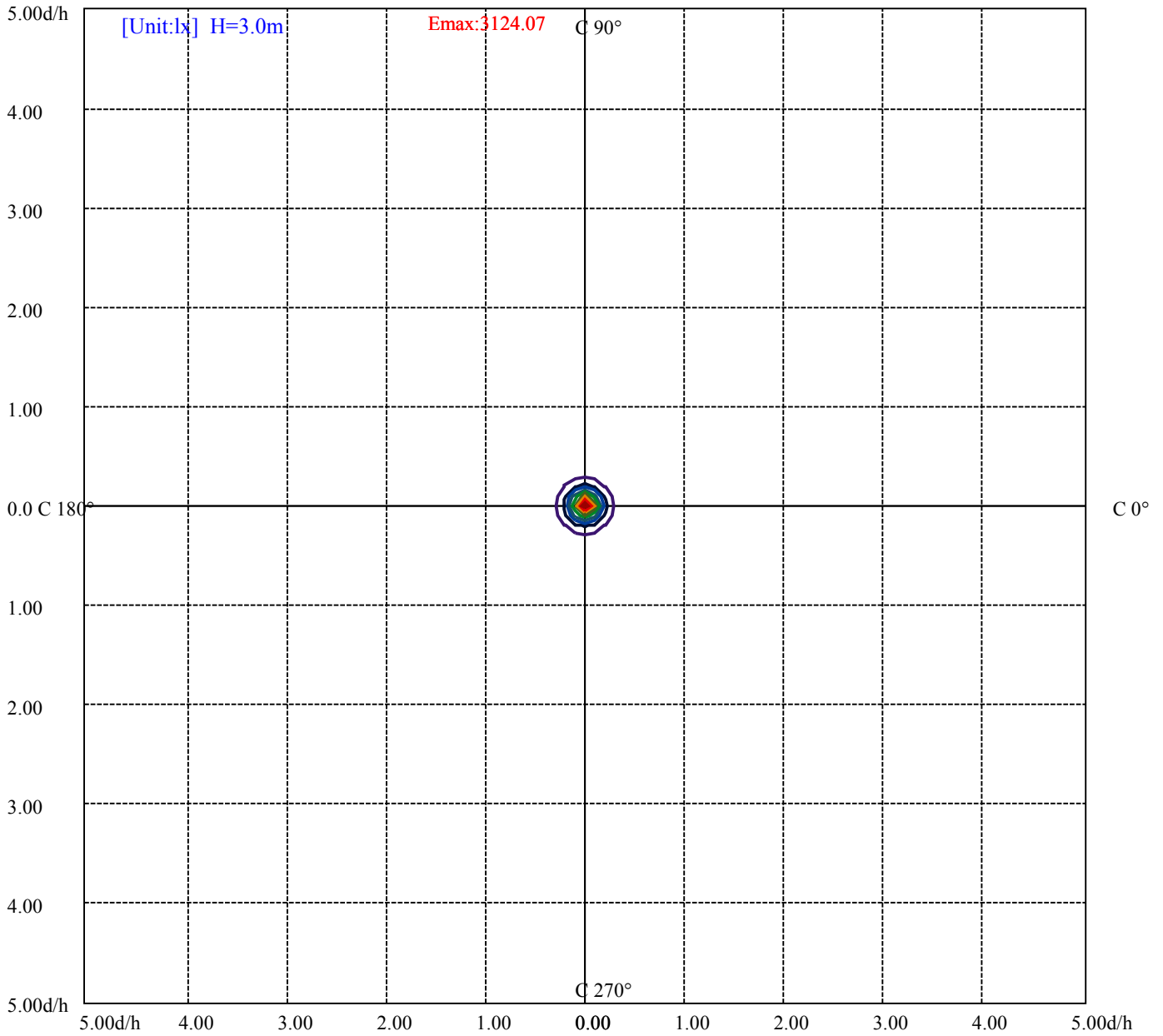


C60(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C60面光束角15.48

ROLED 投光灯  
平面等照度曲线



- (10%Emax) 312.4066
- (20%Emax) 624.8123
- (30%Emax) 937.2189
- (40%Emax) 1249.622
- (50%Emax) 1562.033
- (60%Emax) 1874.433
- (70%Emax) 2186.844
- (80%Emax) 2499.256
- (90%Emax) 2811.656

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/23  
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

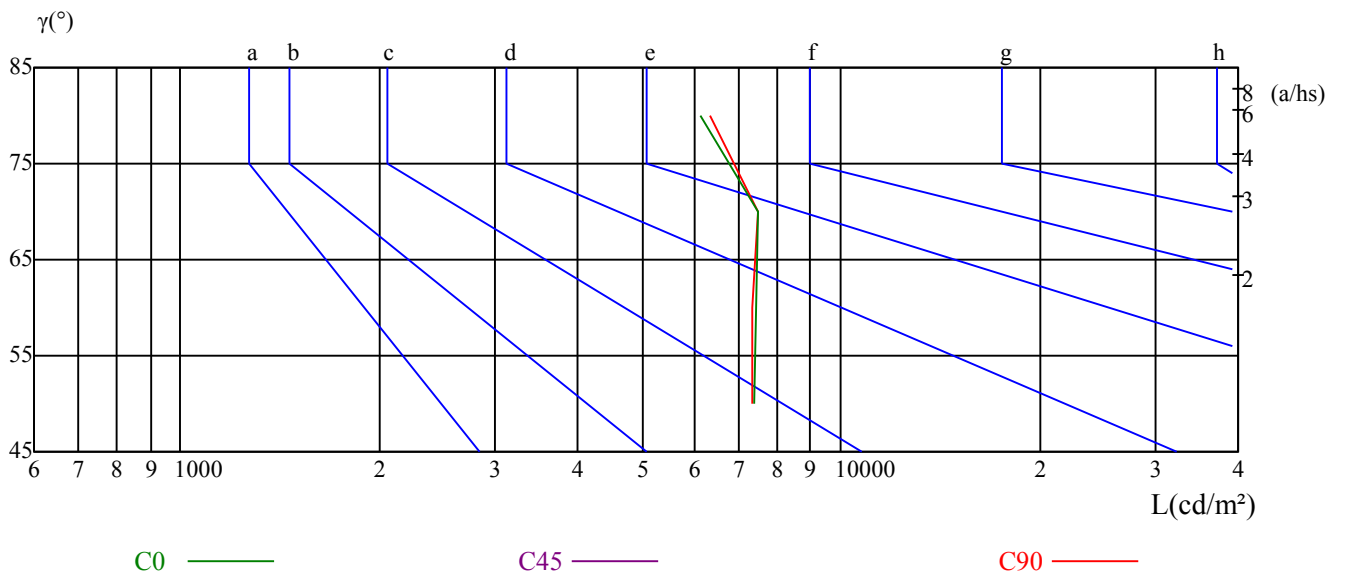
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	7420	0	7430	0	7474	0	6133	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7358	0	7371	0	7484	0	6323	0

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

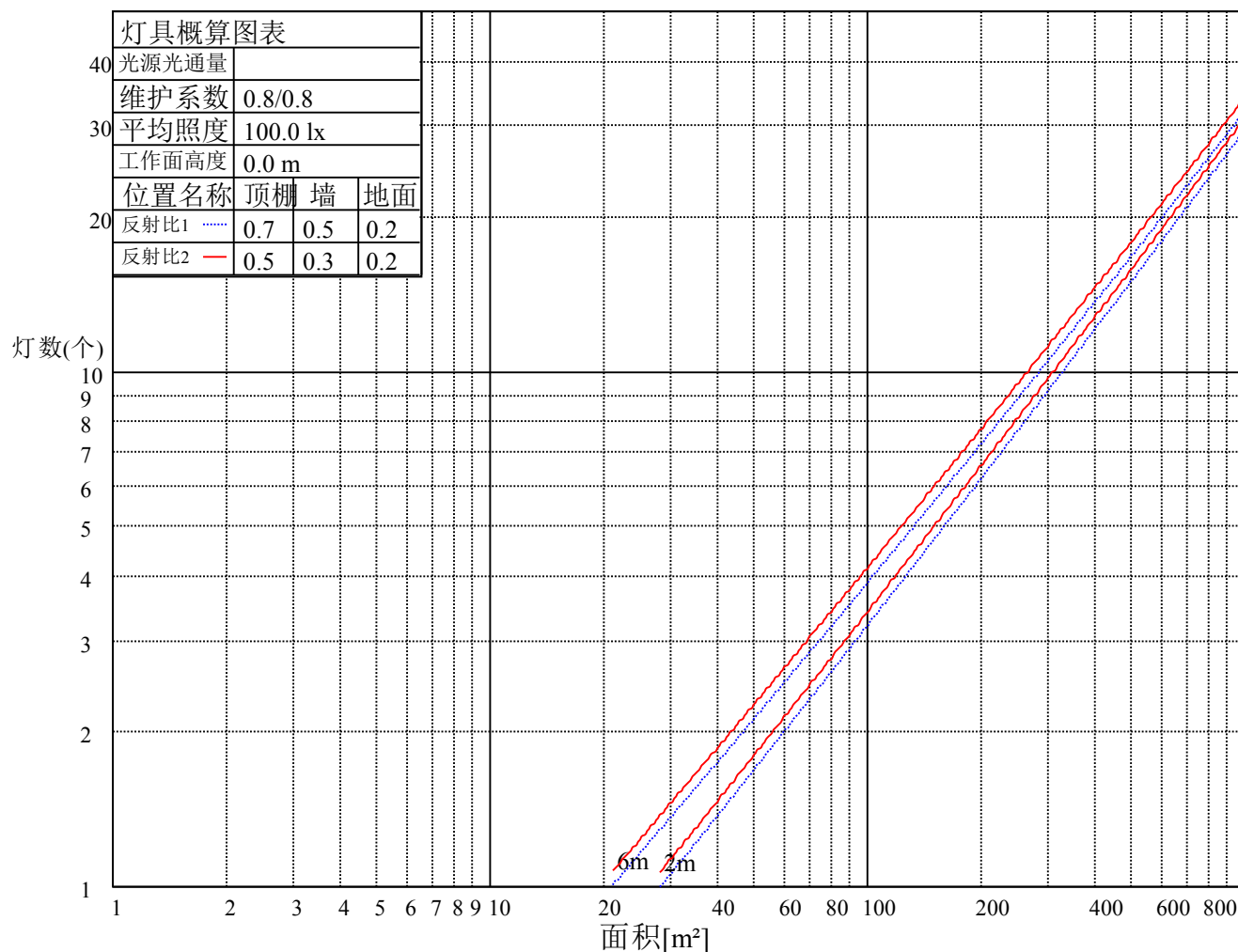
亮度限制曲线



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	10.56	11.65	10.92	11.97	12.28	10.62	11.72	10.98	12.03	12.34
	3H	12.62	13.60	13.00	13.93	14.30	12.70	13.67	13.08	14.00	14.37
	4H	13.37	14.28	13.78	14.63	15.02	13.44	14.35	13.85	14.70	15.09
	6H	13.88	14.71	14.29	15.08	15.48	13.95	14.78	14.37	15.15	15.55
	8H	14.00	14.78	14.43	15.18	15.58	14.08	14.86	14.51	15.25	15.66
	12H	14.10	14.85	14.53	15.23	15.66	14.18	14.93	14.62	15.31	15.74
4H	2H	11.22	12.12	11.62	12.48	12.86	11.26	12.17	11.67	12.52	12.91
	3H	13.46	14.21	13.88	14.62	15.02	13.53	14.27	13.94	14.68	15.09
	4H	14.32	14.99	14.76	15.41	15.86	14.38	15.05	14.82	15.47	15.92
	6H	14.83	15.40	15.30	15.85	16.32	14.89	15.47	15.36	15.92	16.39
	8H	14.99	15.52	15.46	15.97	16.45	15.06	15.59	15.53	16.04	16.52
	12H	15.09	15.55	15.58	16.04	16.52	15.16	15.63	15.65	16.12	16.59
8H	4H	14.59	15.13	15.07	15.58	16.05	14.65	15.18	15.12	15.63	16.11
	6H	15.24	15.67	15.75	16.17	16.65	15.30	15.72	15.80	16.22	16.71
	8H	15.46	15.84	15.99	16.36	16.86	15.52	15.90	16.05	16.42	16.92
	12H	16.06	16.38	16.58	16.88	17.46	16.13	16.45	16.65	16.95	17.53
12H	4H	14.60	15.06	15.09	15.55	16.03	14.65	15.12	15.14	15.60	16.08
	6H	15.65	15.66	15.81	16.13	16.67	15.71	15.71	15.86	16.18	16.73
	8H	15.54	15.87	16.06	16.37	16.94	15.60	15.92	16.12	16.42	17.00
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.2/-0.6					
S = 1.5H	0.7/-0.6					0.7/-0.6					
S = 2.0H	0.8/-0.6					0.8/-0.6					
标准表格	BK4					BK4					
更正系数	1.7					1.7					

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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	1.06	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	0.87	0.90	0.87	0.85	0.84
4	0.93	0.89	0.85	0.92	0.88	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.87	0.84	0.81	0.80
5	0.89	0.84	0.81	0.88	0.84	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.78	0.77
6	0.86	0.81	0.77	0.85	0.80	0.77	0.84	0.80	0.76	0.82	0.79	0.76	0.81	0.78	0.75	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	0.80	0.75	0.72	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.70
9	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.68
10	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.74	0.70	0.67	0.73	0.70	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	28039.92	26996.29	23443.34	18294.24	13214.21	9216.19	6146.68	4297.31	3050.32
30.0	28101.31	27011.64	23289.86	18516.78	13298.63	9047.36	6108.31	4243.59	2994.30
60.0	28132.00	26842.81	23044.30	17925.90	12735.37	8841.71	5926.44	4131.55	2926.77
90.0	28055.27	27249.52	23742.61	19061.62	13805.09	9446.40	6492.00	4404.74	3142.40
120.0	28132.00	26873.51	23159.41	18317.27	13106.78	8983.67	6155.12	4209.82	3029.60
150.0	28085.96	27088.37	23527.75	18593.52	13375.36	9323.62	6315.50	4397.06	3100.97
180.0	28039.92	26267.28	22200.19	16299.07	12198.21	8444.21	5570.38	3909.01	2779.44
210.0	28101.31	26443.78	22315.29	16475.56	12073.89	8307.61	5548.90	3922.06	2773.30
240.0	28132.00	26566.56	22560.85	17534.54	12500.56	8663.68	5655.56	3990.36	2836.99
270.0	28055.27	25975.68	21824.17	15220.14	11849.82	8002.20	5363.96	3816.93	2708.84
300.0	28132.00	26459.12	22645.27	17404.09	12631.01	8648.33	5793.69	4105.46	2877.66
330.0	28085.96	26321.00	22169.49	16383.48	12211.25	8441.14	5561.94	3960.43	2809.36
360.0	28039.92	26996.29	23443.34	18294.24	13214.21	9216.19	6146.68	4297.31	3050.32
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2167.07	1577.73	1213.22	944.64	758.93	633.09	531.79	463.50	402.87
30.0	2189.32	1581.56	1197.11	940.80	759.70	626.18	530.26	461.19	402.87
60.0	2095.70	1510.12	1183.60	929.75	742.82	620.81	525.96	453.98	399.11
90.0	2215.41	1618.40	1219.36	966.89	769.68	631.55	537.93	463.50	405.17
120.0	2130.24	1512.42	1201.40	953.69	760.39	628.25	535.24	461.04	404.18
150.0	2226.16	1634.51	1233.94	966.13	768.91	637.69	538.70	466.56	409.01
180.0	2024.34	1487.71	1139.48	896.68	730.16	607.30	515.68	449.45	395.81
210.0	1979.83	1488.25	1136.48	895.53	732.84	607.45	515.68	450.53	395.74
240.0	2054.27	1502.52	1150.30	911.64	734.38	610.83	516.44	449.68	395.97
270.0	1933.02	1439.06	1116.61	878.26	718.11	596.33	506.31	439.94	386.37
300.0	2084.96	1530.92	1184.06	923.15	740.52	617.74	521.05	450.45	395.97
330.0	2009.76	1514.88	1155.74	916.09	737.45	609.37	516.21	451.14	395.74
360.0	2167.07	1577.73	1213.22	944.64	758.93	633.09	531.79	463.50	402.87
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	361.13	325.98	298.36	273.34	253.85	237.73	222.39	210.34	199.44
30.0	361.97	325.14	295.21	271.04	252.01	234.97	220.62	208.96	198.29
60.0	357.44	321.38	293.75	269.81	250.16	233.67	220.08	207.96	197.29
90.0	361.05	326.06	295.90	272.50	252.16	234.74	220.39	208.57	197.75
120.0	359.44	324.98	295.36	272.42	252.39	235.35	221.00	209.11	198.52
150.0	364.66	327.44	298.74	274.41	254.23	238.04	223.38	211.49	200.13
180.0	354.91	320.46	292.29	269.04	250.55	233.97	219.85	208.04	198.06
210.0	352.07	319.54	290.61	267.28	248.55	232.67	218.78	207.04	196.83
240.0	354.99	320.30	291.60	267.58	249.40	233.21	218.63	207.42	196.83
270.0	346.85	313.78	287.15	263.90	245.41	229.06	216.09	204.66	194.07
300.0	354.07	319.31	291.83	267.51	248.55	232.28	218.70	206.81	196.22
330.0	354.14	319.61	290.38	267.35	248.25	232.13	218.24	207.11	196.45
360.0	361.13	325.98	298.36	273.34	253.85	237.73	222.39	210.34	199.44
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	189.47	180.18	171.74	163.83	155.47	146.34	135.44	125.08	112.73
30.0	188.16	178.57	170.43	162.07	153.78	144.11	134.06	123.16	111.42
60.0	187.62	178.34	169.67	161.46	153.17	143.42	133.14	122.78	110.89
90.0	187.78	178.80	170.43	162.53	154.01	144.57	134.60	123.85	112.88
120.0	188.39	179.11	170.28	161.84	153.01	143.65	133.22	122.40	111.27
150.0	190.54	180.95	172.89	164.60	156.01	146.88	136.59	125.62	113.88
180.0	188.08	178.95	171.05	163.07	155.01	144.73	134.44	122.86	110.43
210.0	186.70	177.95	168.75	160.61	151.86	142.27	131.84	120.78	109.20
240.0	186.47	177.19	169.13	160.54	151.86	142.66	131.76	120.86	108.74
270.0	184.86	175.88	167.75	159.31	150.41	140.28	130.30	119.33	107.13
300.0	186.47	177.19	168.52	159.61	151.25	141.35	131.22	120.09	108.74
330.0	186.47	177.80	169.28	160.69	151.86	142.35	131.99	121.55	109.43
360.0	189.47	180.18	171.74	163.83	155.47	146.34	135.44	125.08	112.73

# 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	99.84	86.33	72.75	60.09	46.96	33.84	20.26	7.83	1.00
30.0	99.61	85.87	72.67	59.55	46.89	33.07	19.80	7.21	1.07
60.0	98.99	84.72	71.67	58.78	46.89	32.84	20.03	7.37	1.07
90.0	100.45	87.79	74.21	61.08	48.42	34.69	21.49	9.44	1.15
120.0	98.61	85.03	71.52	59.24	46.66	33.46	20.49	7.67	1.07
150.0	101.75	87.86	73.59	60.85	48.19	34.15	20.72	7.52	1.07
180.0	97.53	83.80	70.60	57.32	44.66	30.62	17.65	5.60	0.92
210.0	96.08	82.72	68.99	56.56	43.97	30.46	16.81	5.22	0.92
240.0	95.92	82.72	69.91	57.02	44.28	30.62	16.50	4.99	0.92
270.0	94.62	81.19	67.45	54.56	41.90	27.86	14.81	3.15	0.92
300.0	95.38	82.65	69.14	56.33	44.20	30.00	16.11	4.99	1.00
330.0	96.08	82.65	68.53	56.33	43.43	30.08	17.34	5.29	1.00
360.0	99.84	86.33	72.75	60.09	46.96	33.84	20.26	7.83	1.00
C/γ(°)	90.0								
0.0	0.38								
30.0	0.46								
60.0	0.54								
90.0	0.46								
120.0	0.46								
150.0	0.38								
180.0	0.31								
210.0	0.23								
240.0	0.31								
270.0	0.31								
300.0	0.31								
330.0	0.23								
360.0	0.38								