

浙大三色

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## ROLED

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灯具名称: 地埋灯

灯具描述: G3053A-27-UN(10-OL-27WN-AA, P1)

报告编号:

电压(V): 201.8000

测试编号: 20210309009

电流(A): 0.1670

光源规格型号: OL

功率(W): 29.8000

每个光源光通量(lm)

功率因数: 0.8820

光源数量: 27

镇流器型号:

发光面长度(mm): 920

发光面宽度(mm): 40

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): 2537.16

灯具效能(lm/w): 85.14

中心光强(cd): 26313.320

最大光强(cd): 27011.640

最大光强角度: C=90.0  $\gamma$ =2.0

半峰边角(50%Imax): [C0/180]Total=11.2

[C90/270]Total=10.7

光束扩散角(10%Imax): [C0/180]Total=27.7

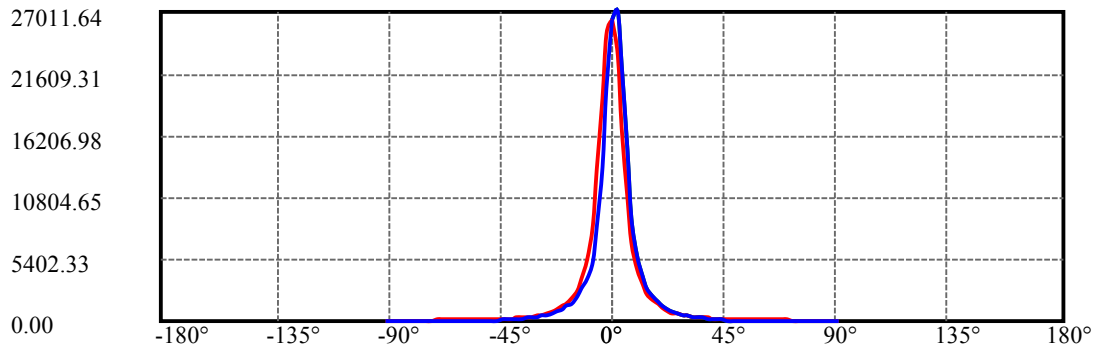
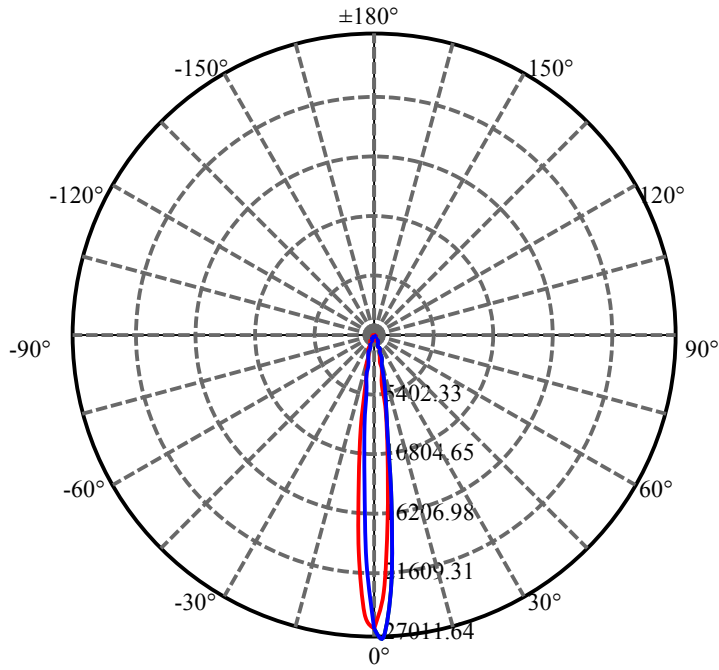
[C90/270]Total=27.3

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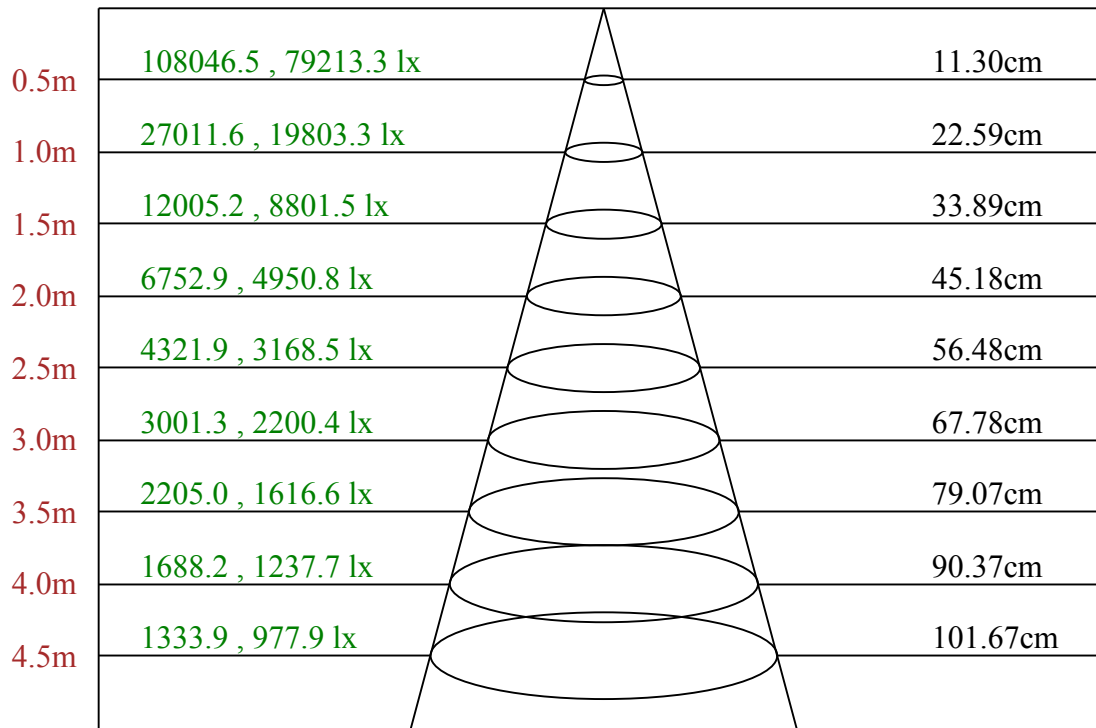
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/9  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

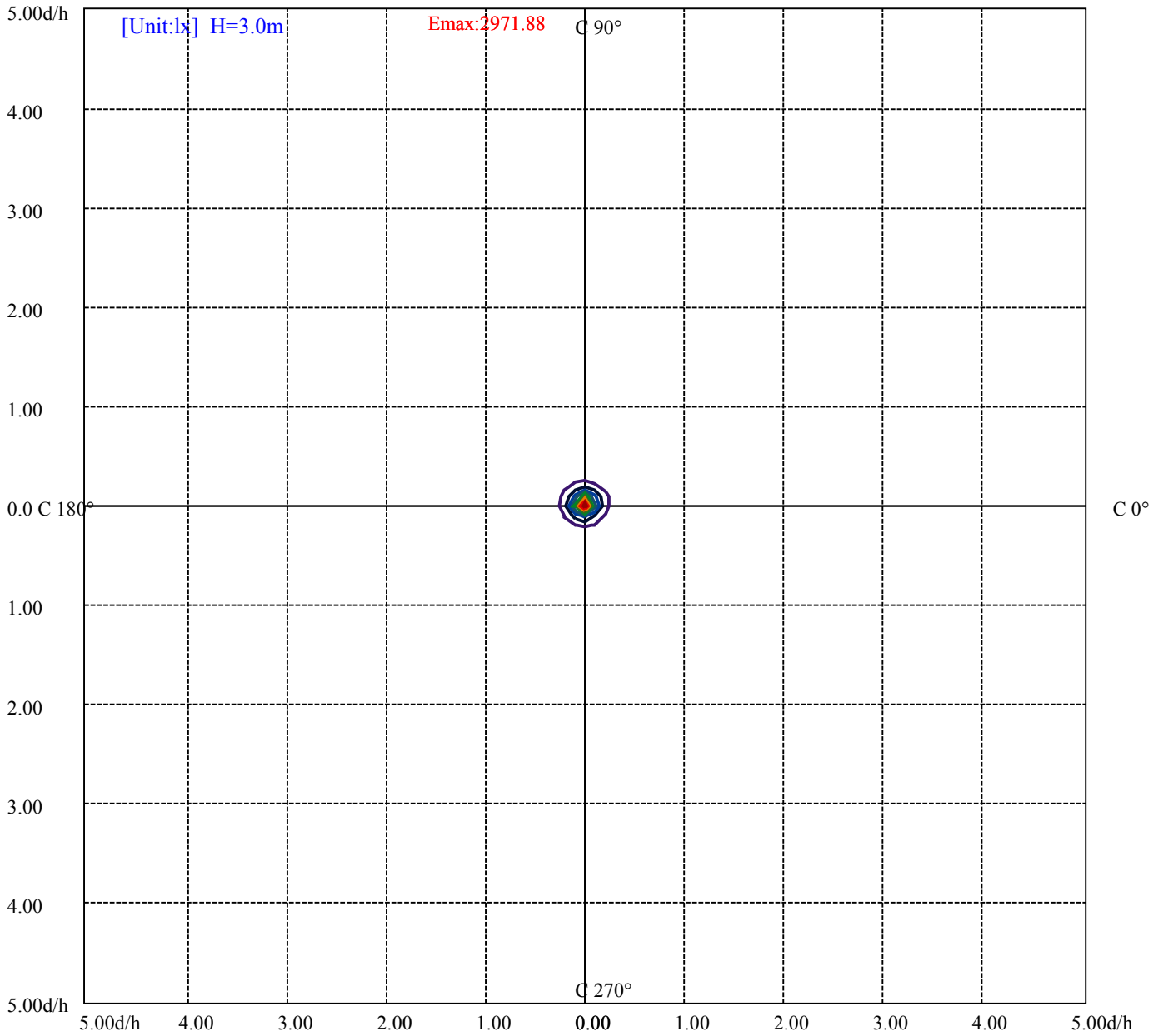


C90(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C90面光束角12.88

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 297.1878
- (20%Emax) 594.3745
- (30%Emax) 891.5623
- (40%Emax) 1188.745
- (50%Emax) 1485.933
- (60%Emax) 1783.122
- (70%Emax) 2080.311
- (80%Emax) 2377.5
- (90%Emax) 2674.689

测试设备: GMS1800  
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测试人员: anpeilou  
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# ROLED 地埋灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

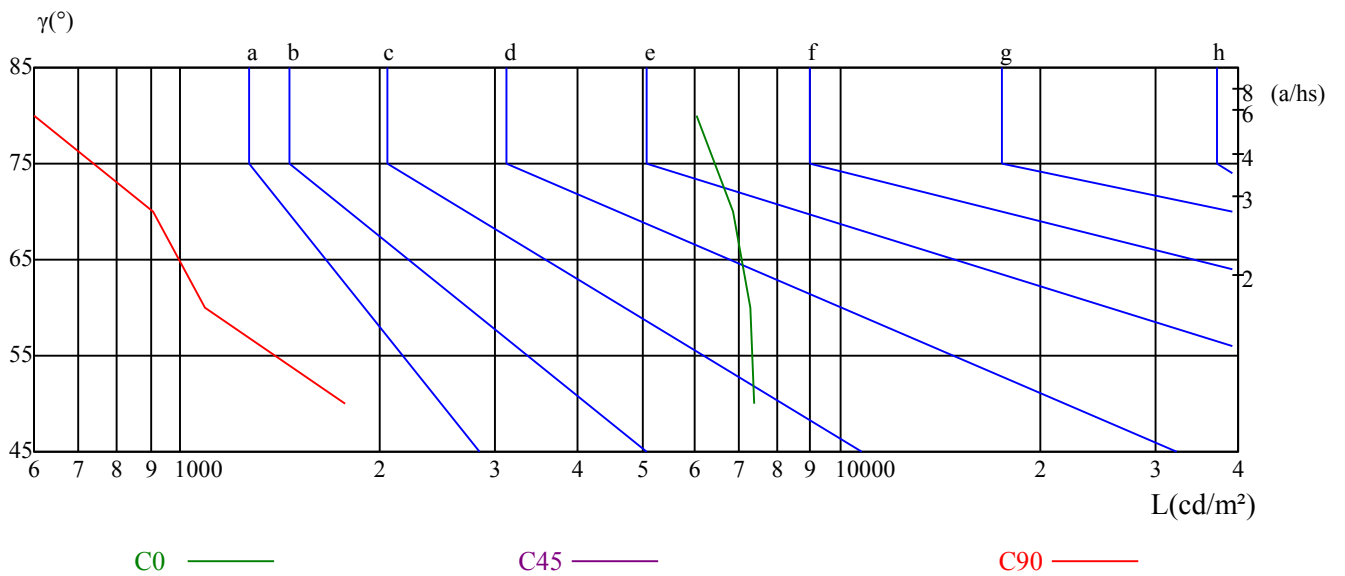
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	7374	0	7278	0	6883	0	6040	0
C45	0	0	0	0	0	0	0	0	0
C90	0	1781	0	1093	0	908	0	192	0

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

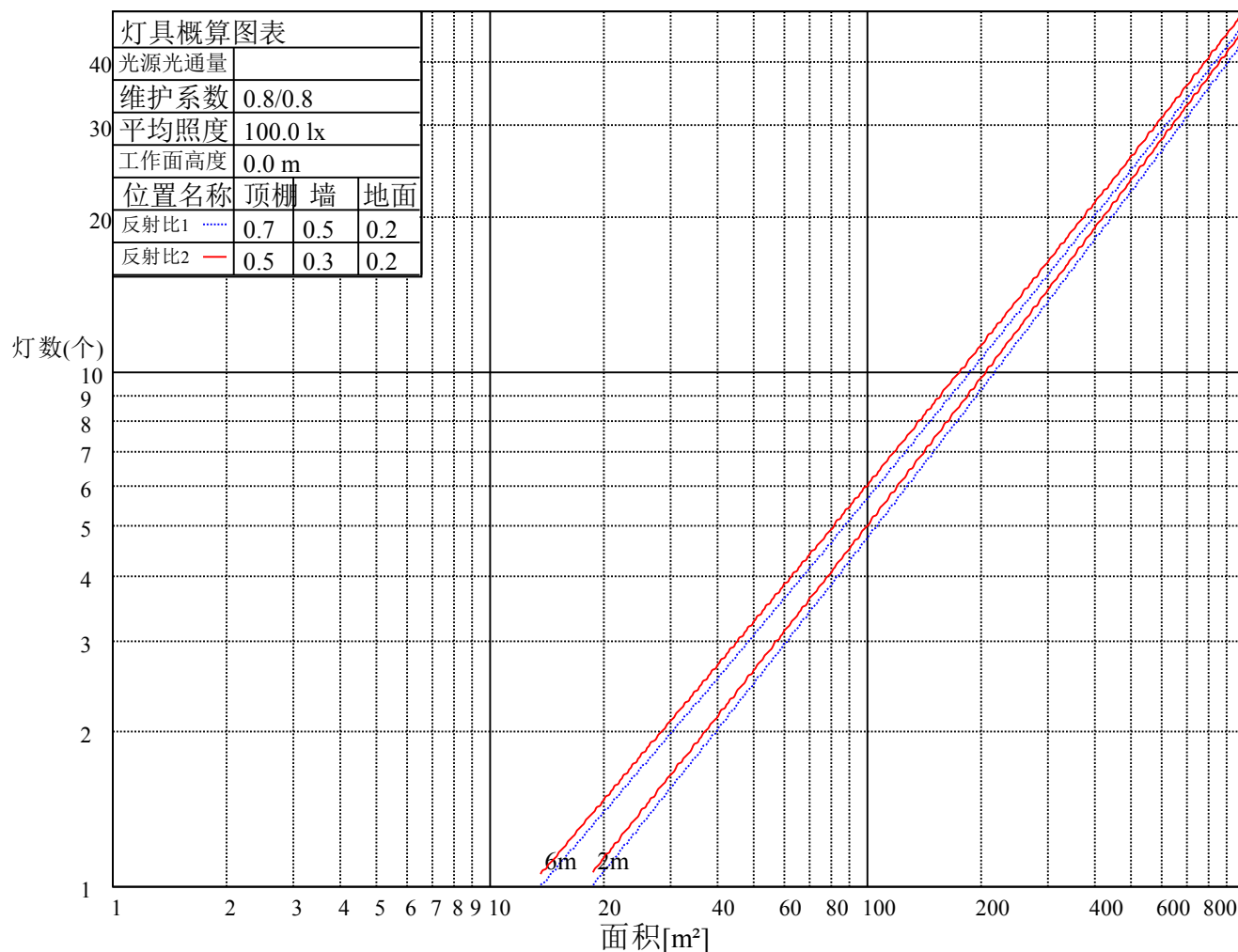
眩光等级表

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	0.31	1.33	0.67	1.65	1.96	11.73	12.76	12.10	13.07	13.39
	3H	1.70	2.61	2.09	2.94	3.31	13.14	14.04	13.52	14.38	14.74
	4H	1.91	2.75	2.32	3.10	3.49	13.84	14.68	14.25	15.03	15.42
	6H	1.89	2.66	2.31	3.04	3.43	14.46	15.22	14.87	15.60	16.00
	8H	1.85	2.57	2.29	2.97	3.38	14.68	15.40	15.11	15.79	16.20
	12H	1.81	2.50	2.25	2.89	3.32	14.93	15.62	15.37	16.01	16.44
4H	2H	2.14	2.98	2.55	3.34	3.73	11.54	12.38	11.95	12.74	13.13
	3H	3.25	3.94	3.67	4.35	4.75	12.93	13.62	13.35	14.02	14.43
	4H	3.43	4.04	3.87	4.47	4.92	13.69	14.30	14.13	14.72	15.17
	6H	3.41	3.93	3.88	4.38	4.86	14.37	14.89	14.84	15.34	15.81
	8H	3.36	3.84	3.83	4.29	4.77	14.66	15.15	15.14	15.60	16.08
	12H	3.31	3.74	3.81	4.22	4.70	14.99	15.41	15.48	15.90	16.37
8H	4H	3.68	4.17	4.15	4.62	5.09	13.53	14.02	14.01	14.47	14.94
	6H	3.67	4.05	4.17	4.55	5.04	14.22	14.60	14.72	15.11	15.59
	8H	3.62	3.96	4.15	4.48	4.98	14.55	14.89	15.08	15.41	15.91
	12H	4.20	4.49	4.72	4.99	5.57	15.32	15.61	15.84	16.11	16.69
12H	4H	3.79	4.21	4.28	4.70	5.18	13.47	13.89	13.96	14.38	14.86
	6H	4.08	4.13	4.32	4.60	5.15	14.44	14.49	14.68	14.97	15.51
	8H	3.76	4.06	4.28	4.55	5.13	14.50	14.80	15.02	15.29	15.87
对应照射距离，改变观察者位置S											
S = 1.0H		2.3/-4.1					0.3/-0.7				
S = 1.5H		4.2/-5.0					0.9/-1.0				
S = 2.0H		5.8/-5.3					2.3/-2.5				
标准表格		BK1					BK1				
更正系数		-7.4					-1.1				



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## 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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.95
2	1.06	1.02	1.00	1.04	1.01	0.98	1.01	0.99	0.96	0.98	0.96	0.94	0.95	0.94	0.92	0.91
3	1.01	0.96	0.93	0.99	0.95	0.92	0.97	0.94	0.91	0.94	0.92	0.90	0.92	0.90	0.88	0.87
4	0.96	0.92	0.88	0.95	0.91	0.88	0.93	0.89	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.83
5	0.92	0.87	0.84	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.87	0.84	0.82	0.80
6	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	0.79	0.78
7	0.86	0.81	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.82	0.79	0.76	0.75
8	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.74	0.80	0.77	0.74	0.73
9	0.80	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.78	0.75	0.72	0.71
10	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.76	0.73	0.70	0.69



ROLED 地埋灯

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	26313.32	23136.39	16774.84	10796.98	6860.34	4458.45	3227.58	2409.56	1833.26
30.0	26658.64	25944.98	20634.74	13874.16	8840.17	5548.13	3898.27	2793.25	2107.98
60.0	26835.14	26083.11	20634.74	13607.88	8318.36	5362.42	3708.73	2774.83	2102.61
90.0	26313.32	27011.64	22261.58	14917.79	9116.43	5786.02	3936.64	2897.61	2223.09
120.0	26697.01	26896.53	21486.53	14593.19	8929.19	5601.08	3947.38	2916.03	2217.72
150.0	26144.50	26996.29	22568.53	15746.56	9929.85	6315.50	4220.57	3111.71	2315.17
180.0	26313.32	24978.09	19537.39	13174.31	8443.44	5324.82	3722.54	2700.40	2087.26
210.0	26658.64	22675.96	15090.45	10257.51	6581.78	4393.99	3222.21	2375.80	1853.21
240.0	26835.14	22169.49	15048.24	9607.55	6092.97	4205.22	3045.72	2350.47	1803.33
270.0	26313.32	20289.42	13346.97	8176.39	5244.25	3704.12	2811.67	2142.51	1590.00
300.0	26697.01	21187.25	14211.80	8740.41	5686.26	3928.97	2928.31	2239.20	1746.55
330.0	26144.50	20926.34	13981.59	8917.68	5636.38	3942.78	2909.12	2203.90	1700.51
360.0	26313.32	23136.39	16774.84	10796.98	6860.34	4458.45	3227.58	2409.56	1833.26
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1431.16	1141.86	904.74	741.29	609.30	505.70	431.27	388.29	329.36
30.0	1644.49	1287.66	1014.47	809.58	666.08	547.14	461.19	393.66	341.25
60.0	1520.63	1277.22	1010.02	806.59	651.89	541.46	452.06	382.00	323.76
90.0	1711.25	1349.05	1058.98	841.04	677.59	551.74	456.59	389.83	310.71
120.0	1718.15	1366.16	1069.95	855.85	688.26	561.64	467.33	397.81	335.65
150.0	1782.61	1406.60	1115.76	867.90	696.78	582.44	481.14	408.24	353.15
180.0	1526.23	1276.91	1001.04	801.75	655.11	539.77	460.27	389.44	342.63
210.0	1457.25	1148.53	911.26	735.61	608.30	505.24	427.97	366.04	320.23
240.0	1426.55	1120.37	881.72	719.80	588.58	484.21	410.55	353.84	302.42
270.0	1324.41	1037.88	833.60	675.44	552.05	457.13	384.30	317.77	264.36
300.0	1367.46	1074.33	857.16	692.94	572.46	469.63	401.34	344.94	296.59
330.0	1358.18	1066.04	848.18	690.41	564.56	477.92	402.49	351.61	309.25
360.0	1431.16	1141.86	904.74	741.29	609.30	505.70	431.27	388.29	329.36
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	293.83	267.66	244.33	225.84	209.34	195.53	184.40	174.42	166.06
30.0	299.58	269.58	243.72	222.00	204.28	188.24	175.12	161.92	149.79
60.0	274.11	232.44	200.75	170.74	143.35	117.18	94.31	73.67	54.87
90.0	255.08	208.96	170.97	133.98	107.28	82.72	61.39	42.13	29.77
120.0	282.24	239.65	204.05	175.12	147.11	120.25	97.61	75.66	57.55
150.0	310.10	274.34	248.17	226.61	207.65	190.31	174.81	162.68	150.56
180.0	302.12	270.50	246.10	226.53	209.57	194.45	183.02	172.51	163.60
210.0	284.31	256.76	233.13	213.33	195.68	182.10	170.28	163.45	151.48
240.0	261.52	224.38	193.15	165.29	139.97	114.80	91.62	71.83	52.49
270.0	223.08	183.56	150.71	118.79	94.00	70.75	51.03	35.22	24.56
300.0	254.62	219.09	189.85	162.84	136.90	112.34	90.17	69.29	50.11
330.0	276.03	248.55	226.53	209.72	193.00	178.95	166.44	154.09	142.42
360.0	293.83	267.66	244.33	225.84	209.34	195.53	184.40	174.42	166.06
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	157.85	150.10	142.04	133.91	125.39	116.72	106.74	96.38	86.64
30.0	137.67	124.39	110.12	92.47	74.90	54.41	37.52	21.95	14.12
60.0	38.45	24.48	19.34	18.65	18.34	17.27	16.19	14.81	12.82
90.0	21.56	20.87	20.41	20.11	19.03	17.88	16.27	14.04	11.43
120.0	39.75	26.01	19.34	18.65	18.19	17.27	16.19	14.73	12.89
150.0	138.28	125.54	112.73	94.77	77.12	59.39	41.36	24.94	14.58
180.0	155.93	147.26	140.58	132.53	124.55	116.03	106.20	96.31	86.41
210.0	135.37	120.32	105.44	88.02	67.38	48.65	32.46	18.42	14.43
240.0	35.76	22.94	20.80	20.26	19.64	18.49	17.11	14.89	12.20
270.0	23.17	22.79	22.25	21.18	19.95	17.88	15.12	12.35	9.59
300.0	34.61	22.48	20.87	20.49	19.64	18.42	17.04	14.73	11.97
330.0	130.38	117.33	101.14	83.72	61.85	44.66	27.32	16.27	13.74
360.0	157.85	150.10	142.04	133.91	125.39	116.72	106.74	96.38	86.64

# ROLED 地埋灯

## 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	77.20	66.68	57.55	48.34	38.60	29.16	19.34	9.36	1.00
30.0	12.51	11.66	10.44	8.82	6.45	3.91	1.69	0.77	0.46
60.0	10.28	7.75	5.53	3.30	1.69	1.00	0.84	0.54	0.46
90.0	8.82	6.68	4.45	2.30	1.23	1.00	0.84	0.61	0.46
120.0	10.36	7.67	5.45	3.45	1.76	0.92	0.77	0.61	0.54
150.0	12.58	11.66	10.51	9.21	6.98	4.45	2.23	0.92	0.69
180.0	77.81	68.91	58.78	48.96	40.21	31.08	20.95	13.58	4.45
210.0	13.51	12.12	10.51	8.21	5.37	2.84	1.15	0.77	0.54
240.0	9.52	6.91	4.60	2.30	1.00	0.84	0.69	0.54	0.31
270.0	6.98	4.53	2.46	1.23	1.00	0.84	0.69	0.54	0.31
300.0	9.21	6.75	4.30	2.23	1.00	1.00	0.77	0.54	0.38
330.0	12.89	11.43	9.82	7.29	4.45	2.23	0.84	0.54	0.38
360.0	77.20	66.68	57.55	48.34	38.60	29.16	19.34	9.36	1.00
C/γ(°)	90.0								
0.0	0.23								
30.0	0.31								
60.0	0.23								
90.0	0.23								
120.0	0.23								
150.0	0.38								
180.0	0.46								
210.0	0.31								
240.0	0.08								
270.0	0.08								
300.0	0.23								
330.0	0.23								
360.0	0.23								