

浙大三色

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## ROLED

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灯具名称: 地埋灯

灯具描述: G1054A-18-12DC (15-OL-18WN-AJ, CT)

报告编号:

电压(V): 220.5000

测试编号: 20210318009

电流(A): 0.0990

光源规格型号: OL

功率(W): 20.4000

每个光源光通量(lm)

功率因数: 0.9350

光源数量: 18

镇流器型号:

发光面长度(mm): 160

发光面宽度(mm): 160

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): 1928.58

灯具效能(lm/w): 94.54

中心光强(cd): 14272.430

最大光强(cd): 14272.430

最大光强角度:  $C=0.0 \gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=15.1

[C90/270]Total=15.2

光束扩散角(10%Imax): [C0/180]Total=32.8

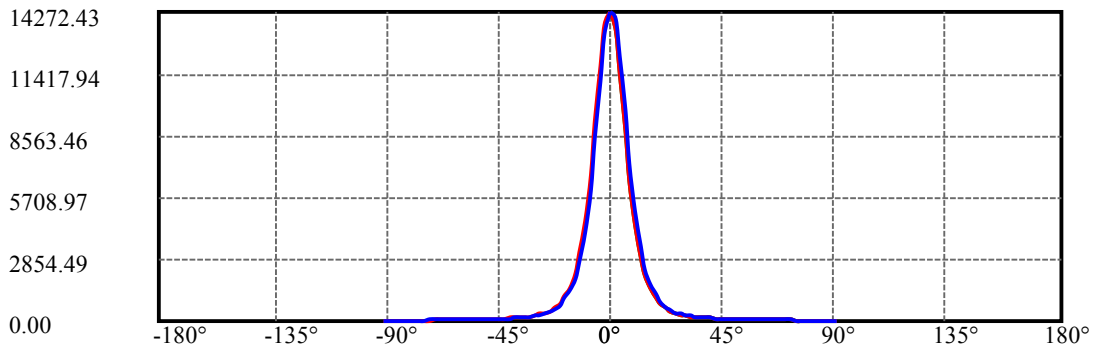
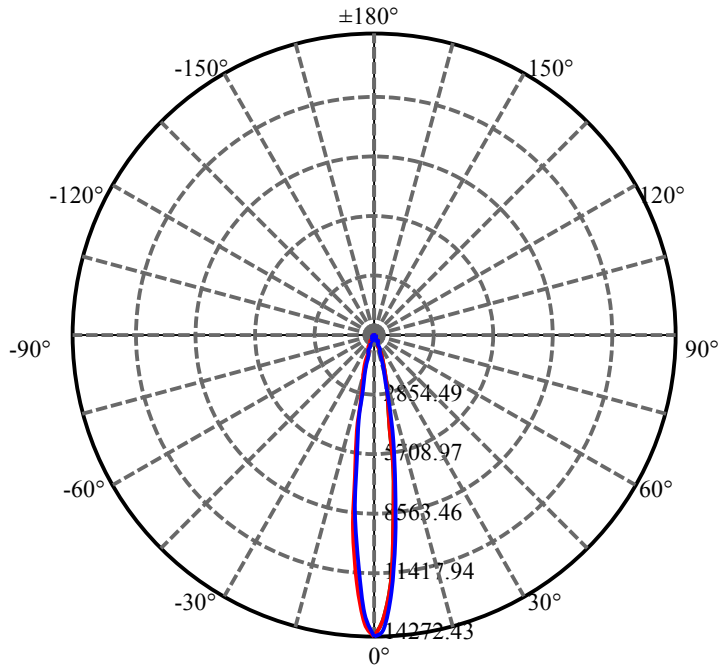
[C90/270]Total=33.1

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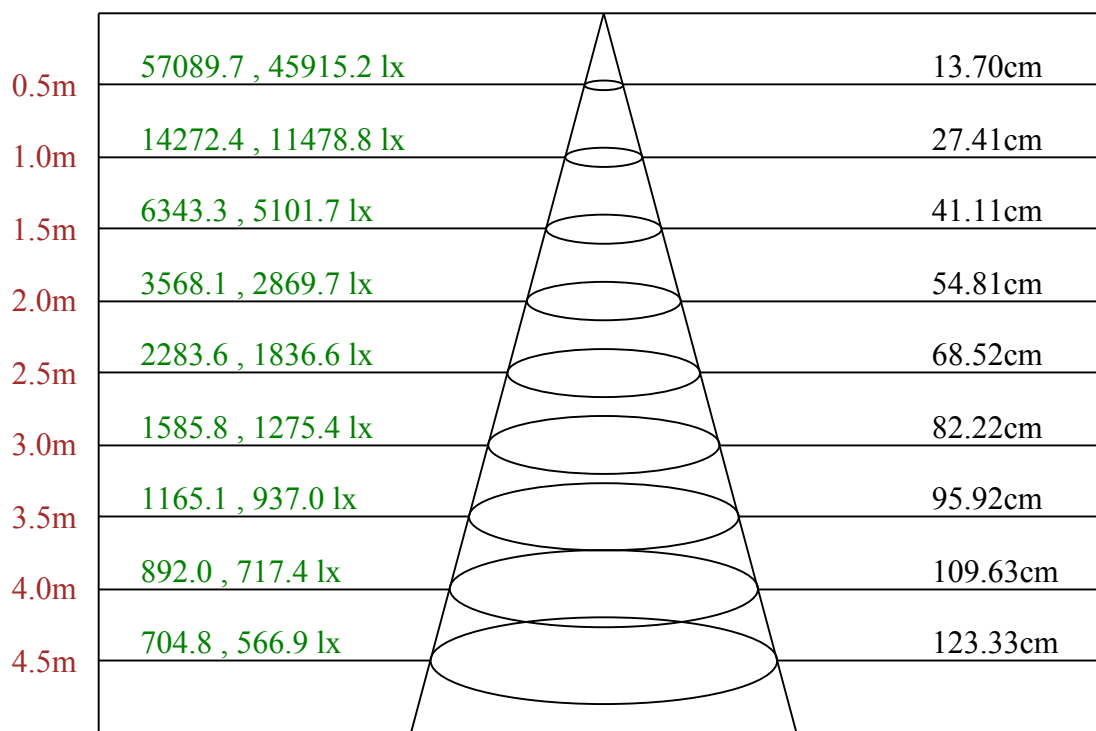
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/18  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

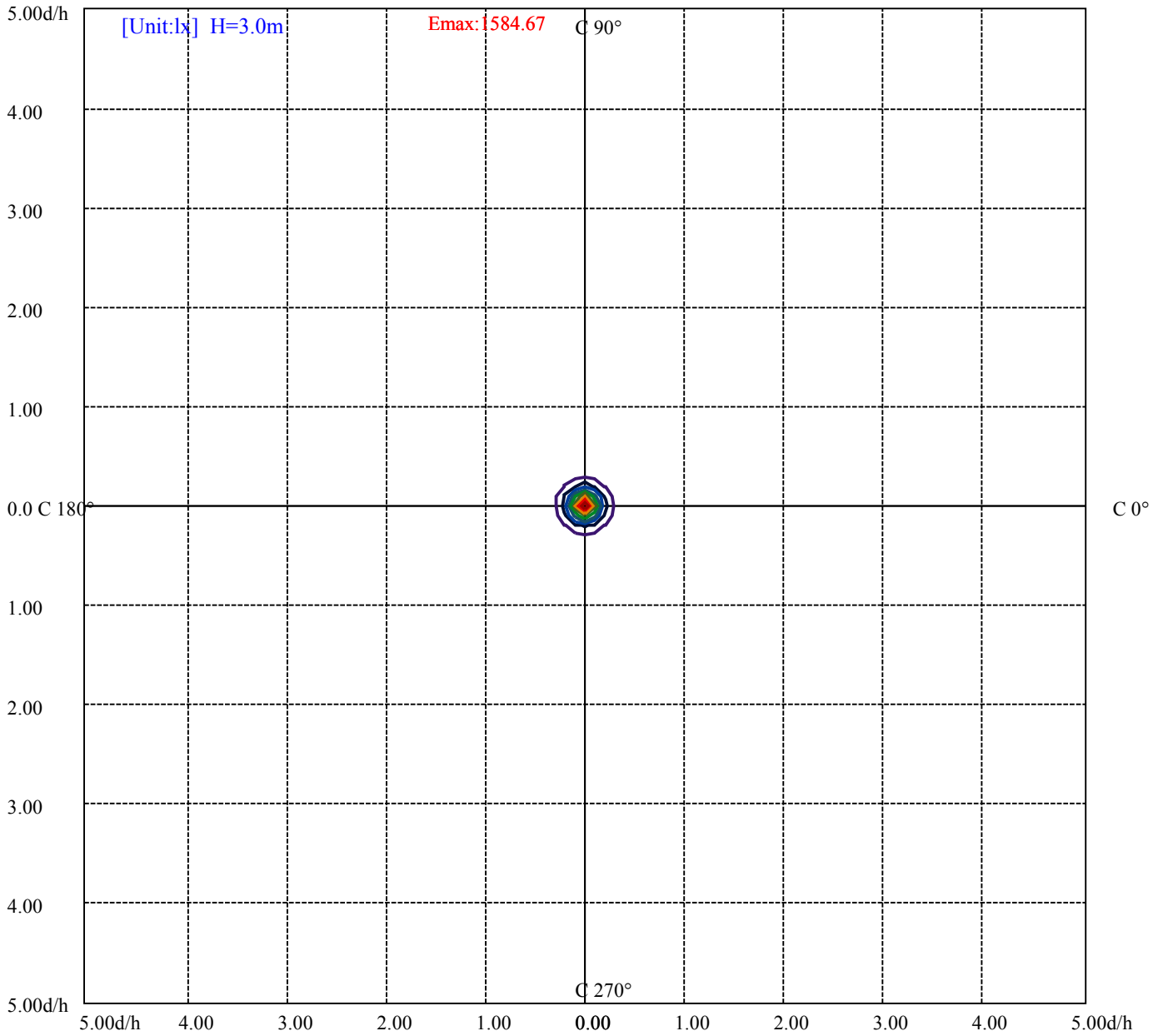


C0(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C0面光束角15.61

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 158.4667
- (20%Emax) 316.9333
- (30%Emax) 475.4
- (40%Emax) 633.8666
- (50%Emax) 792.3344
- (60%Emax) 950.8011
- (70%Emax) 1109.268
- (80%Emax) 1267.733
- (90%Emax) 1426.2

测试设备: GMS1800  
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测试日期: 2021/3/18  
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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

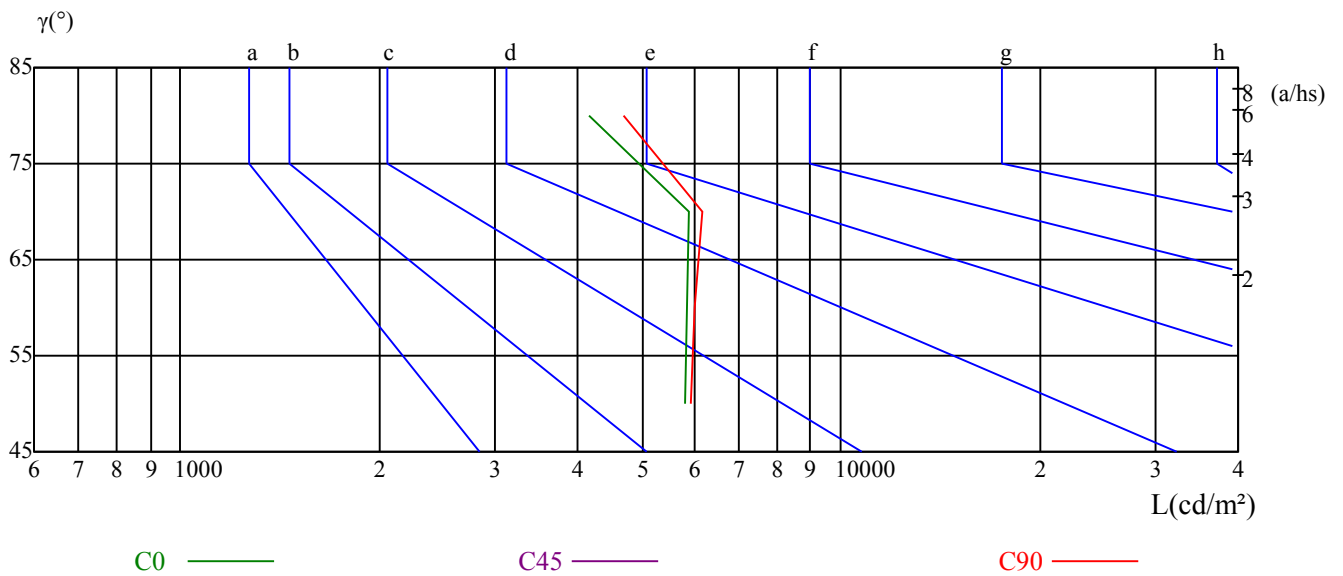
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5815	0	5857	0	5881	0	4160	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5927	0	6013	0	6161	0	4695	0

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

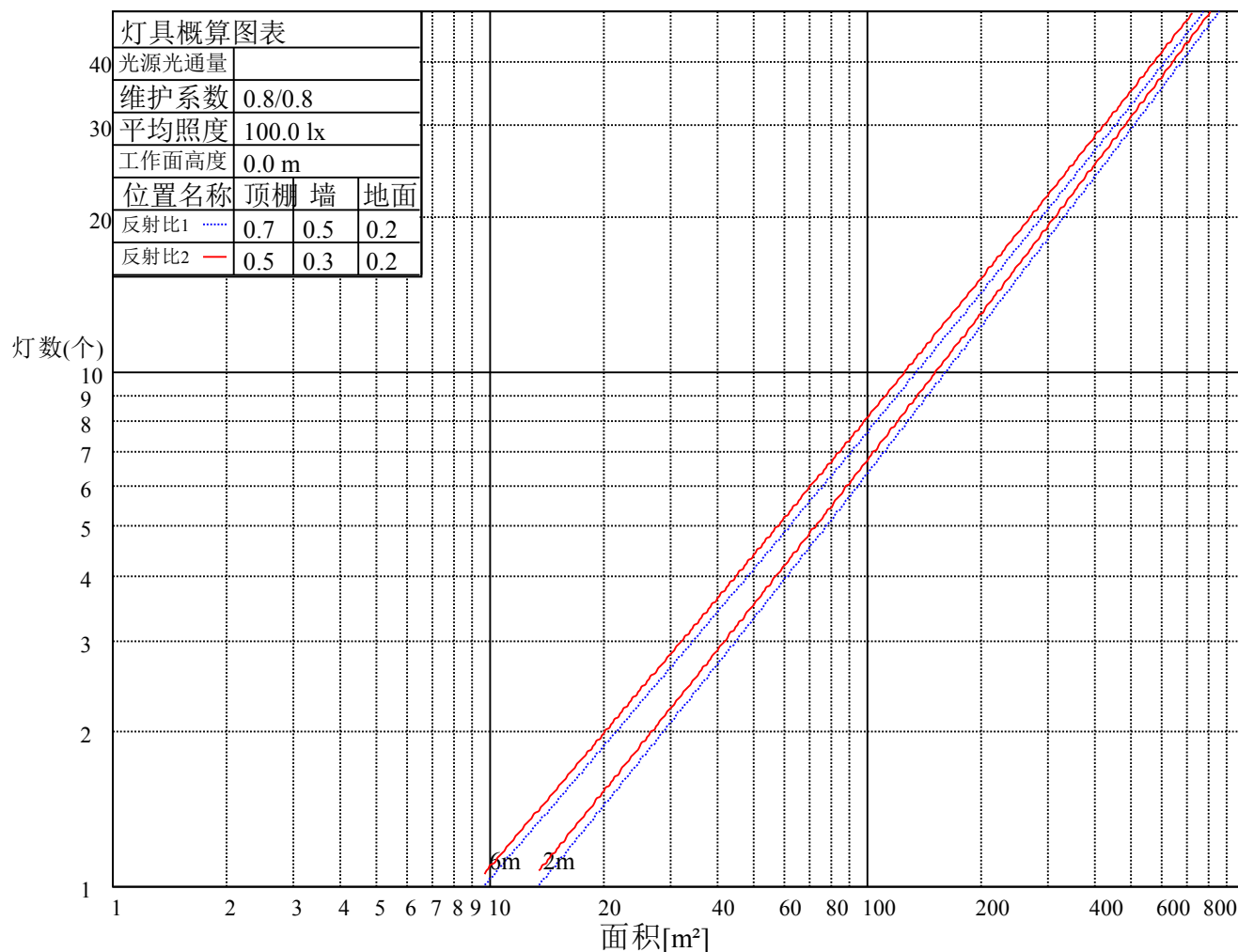
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	11.96	13.04	12.33	13.35	13.66	11.95	13.02	12.31	13.33	13.65
	3H	14.07	15.03	14.46	15.36	15.73	13.96	14.91	14.34	15.25	15.61
	4H	14.80	15.68	15.20	16.04	16.42	14.64	15.52	15.04	15.88	16.27
	6H	15.22	16.03	15.64	16.41	16.80	15.04	15.86	15.46	16.23	16.63
	8H	15.30	16.07	15.74	16.46	16.87	15.12	15.89	15.55	16.28	16.69
	12H	15.34	16.07	15.78	16.46	16.89	15.16	15.89	15.59	16.27	16.70
4H	2H	12.63	13.52	13.03	13.87	14.26	12.62	13.50	13.02	13.86	14.24
	3H	14.90	15.63	15.32	16.04	16.44	14.83	15.56	15.24	15.96	16.37
	4H	15.72	16.37	16.15	16.79	17.24	15.59	16.25	16.03	16.67	17.12
	6H	16.15	16.71	16.62	17.16	17.63	16.00	16.56	16.47	17.01	17.48
	8H	16.25	16.77	16.73	17.22	17.70	16.10	16.62	16.57	17.07	17.54
	12H	16.29	16.74	16.78	17.23	17.71	16.13	16.58	16.62	17.07	17.55
8H	4H	15.95	16.47	16.42	16.92	17.39	15.83	16.35	16.31	16.80	17.28
	6H	16.48	16.90	16.99	17.40	17.88	16.34	16.75	16.84	17.25	17.74
	8H	16.63	17.00	17.16	17.52	18.01	16.48	16.84	17.01	17.36	17.86
	12H	17.20	17.51	17.72	18.01	18.59	17.06	17.37	17.58	17.87	18.45
12H	4H	15.93	16.38	16.42	16.87	17.35	15.82	16.28	16.31	16.76	17.24
	6H	16.84	16.86	17.02	17.33	17.87	16.70	16.72	16.88	17.19	17.74
	8H	16.67	16.98	17.19	17.48	18.06	16.52	16.84	17.04	17.33	17.91
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	0.8/-0.5					0.8/-0.6					
S = 2.0H	0.9/-0.6					0.9/-0.6					
标准表格	BK3					BK3					
更正系数	-0.2					-0.3					

# ROLED 地埋灯 灯具的概算曲线



# ROLED 地埋灯

## 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	1.07	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	1.00	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	0.95	0.91	0.98	0.94	0.90	0.95	0.92	0.89	0.93	0.90	0.88	0.90	0.88	0.86	0.85
4	0.94	0.89	0.86	0.93	0.89	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.85	0.82	0.81
5	0.90	0.85	0.82	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.78
6	0.87	0.82	0.78	0.86	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.75
7	0.84	0.79	0.76	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.73
8	0.81	0.76	0.73	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.71
9	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.69
10	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68



# 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	14272.43	13388.41	11439.27	8774.18	6431.38	4403.97	2959.00	2104.14	1491.01
30.0	14267.05	13610.95	11648.00	9088.80	6544.18	4562.82	3096.36	2138.68	1535.52
60.0	14257.08	13466.68	11575.10	9032.78	6477.42	4446.94	3079.48	2114.89	1530.68
90.0	14236.36	13885.67	12189.77	9738.77	7273.96	5037.06	3427.10	2350.47	1679.79
120.0	14263.22	13755.21	11956.49	9611.38	6985.42	4825.26	3341.92	2285.25	1517.95
150.0	14226.38	13922.50	12361.66	9941.36	7327.67	5168.28	3503.84	2437.19	1698.20
180.0	14272.43	13656.22	11759.27	9232.30	6759.05	4651.83	3222.98	2211.58	1520.25
210.0	14267.05	13496.61	11557.45	8956.81	6439.05	4471.50	3033.44	2110.28	1499.22
240.0	14257.08	13545.72	11674.86	9015.13	6518.86	4463.83	3059.53	2137.14	1513.27
270.0	14236.36	13174.31	11069.40	8428.09	5993.97	4063.26	2782.51	1983.67	1412.20
300.0	14263.22	13318.58	11320.33	8638.35	6310.13	4320.33	2912.19	2046.59	1476.43
330.0	14226.38	13089.90	10818.47	8322.96	5914.17	4084.74	2777.90	1939.93	1376.83
360.0	14272.43	13388.41	11439.27	8774.18	6431.38	4403.97	2959.00	2104.14	1491.01
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1055.91	771.98	589.34	455.05	388.29	298.82	249.01	213.25	186.40
30.0	1100.42	794.23	594.72	466.56	389.06	303.34	253.54	215.63	188.47
60.0	1094.43	785.87	590.65	463.88	364.96	297.13	251.24	214.17	187.24
90.0	1200.18	872.51	647.67	499.56	389.83	320.00	266.43	226.45	196.91
120.0	1156.28	843.42	630.94	494.04	387.06	314.39	265.13	225.61	195.60
150.0	1207.85	864.07	641.53	501.10	393.66	322.91	269.12	228.98	198.75
180.0	1123.05	824.78	620.12	481.22	382.92	310.56	261.68	219.85	192.38
210.0	1091.52	793.08	604.62	468.56	370.18	300.35	253.77	216.48	187.32
240.0	1090.44	794.23	596.25	459.66	387.52	299.81	252.24	215.94	187.32
270.0	1025.44	749.96	574.30	439.94	354.07	288.99	244.03	210.64	183.02
300.0	1043.63	762.77	583.21	448.91	369.18	292.22	247.63	212.79	186.70
330.0	997.82	729.93	551.21	436.64	348.31	288.07	243.10	209.65	183.25
360.0	1055.91	771.98	589.34	455.05	388.29	298.82	249.01	213.25	186.40
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	164.22	147.34	134.37	123.16	114.42	107.05	100.91	95.69	91.32
30.0	166.37	148.64	134.29	123.39	114.03	106.28	100.22	94.54	89.86
60.0	164.53	147.95	133.68	122.70	113.19	105.21	99.07	93.54	88.86
90.0	172.89	153.86	138.43	127.15	117.56	109.73	103.29	97.53	92.78
120.0	172.35	154.24	139.20	127.23	118.10	109.96	103.37	97.61	92.85
150.0	176.19	157.62	142.58	131.07	120.94	112.80	105.44	99.68	94.77
180.0	169.44	151.63	136.90	125.16	116.56	108.81	102.29	96.84	92.01
210.0	166.90	149.25	135.13	123.16	114.19	106.36	99.91	94.85	90.09
240.0	166.14	148.72	134.29	122.63	113.80	105.82	99.45	94.08	89.32
270.0	163.22	146.49	132.60	122.01	113.73	106.44	100.53	95.85	91.39
300.0	164.83	148.33	134.37	123.85	115.18	107.66	101.83	96.69	92.16
330.0	164.22	148.26	134.90	124.78	115.95	108.28	102.29	97.30	92.47
360.0	164.22	147.34	134.37	123.16	114.42	107.05	100.91	95.69	91.32
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	87.02	82.88	78.96	74.97	71.14	66.76	62.23	56.94	51.49
30.0	85.41	81.50	77.58	74.21	70.21	65.99	61.39	56.17	50.80
60.0	84.64	80.96	77.58	73.98	70.29	65.99	61.31	56.40	50.57
90.0	88.40	84.64	80.73	76.97	72.98	68.76	64.38	59.39	53.95
120.0	88.40	84.41	80.34	76.58	72.52	68.22	63.62	58.55	53.41
150.0	90.40	86.18	82.49	79.04	75.59	71.52	66.61	61.47	55.33
180.0	87.48	82.80	77.97	71.44	66.68	64.23	58.40	51.11	47.04
210.0	85.95	81.80	78.12	74.59	70.91	66.38	61.77	56.86	51.26
240.0	85.03	81.42	78.04	74.44	71.06	66.61	61.85	56.79	51.18
270.0	87.17	83.26	79.42	75.66	71.98	67.30	62.46	57.48	51.57
300.0	87.86	83.87	79.88	76.05	72.06	67.30	62.62	57.17	51.57
330.0	88.25	84.26	80.80	77.35	73.59	69.22	63.92	58.55	51.87
360.0	87.02	82.88	78.96	74.97	71.14	66.76	62.23	56.94	51.49

# 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	45.04	38.29	31.62	24.86	18.49	11.28	4.99	0.77	0.38
30.0	44.51	38.22	31.23	24.56	18.49	11.66	5.68	0.77	0.38
60.0	44.43	37.75	30.62	24.25	17.88	11.51	5.68	0.77	0.38
90.0	47.73	40.98	33.84	27.32	20.87	13.58	7.37	1.84	0.46
120.0	47.27	40.44	33.07	26.55	20.03	13.20	6.91	1.76	0.38
150.0	47.58	37.91	28.70	19.57	15.65	13.51	7.98	2.15	0.46
180.0	41.21	35.76	29.93	23.71	18.34	12.43	6.37	1.07	0.38
210.0	45.51	38.29	31.62	24.94	18.57	11.74	5.53	0.77	0.46
240.0	44.81	38.06	31.16	24.79	18.26	11.36	5.37	0.84	0.46
270.0	44.89	37.99	30.93	24.25	17.11	10.44	4.30	0.69	0.38
300.0	45.20	38.52	31.23	24.33	17.57	10.59	4.60	0.77	0.38
330.0	45.12	37.91	30.93	24.02	16.73	10.21	4.07	0.69	0.38
360.0	45.04	38.29	31.62	24.86	18.49	11.28	4.99	0.77	0.38

C/γ(°)	90.0
0.0	0.08
30.0	0.15
60.0	0.15
90.0	0.23
120.0	0.23
150.0	0.23
180.0	0.23
210.0	0.15
240.0	0.08
270.0	0.08
300.0	0.08
330.0	0.08
360.0	0.08