

浙大三色

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## ROLED

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灯具名称: 地埋灯

灯具描述: G1031A-3-UN(10-OL-3WN-AA, P1)

报告编号:

电压(V): 220.5000

测试编号: 20210322001

电流(A): 0.0210

光源规格型号: OL

功率(W): 4.0000

每个光源光通量(lm)

功率因数: 0.8630

光源数量: 3

镇流器型号:

发光面长度(mm): 65

发光面宽度(mm): 65

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): 307.66

灯具效能(lm/w): 76.91

中心光强(cd): 2976.652

最大光强(cd): 2978.954

最大光强角度: C=120.0  $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=11.0

[C90/270]Total=10.9

光束扩散角(10%Imax): [C0/180]Total=28.4

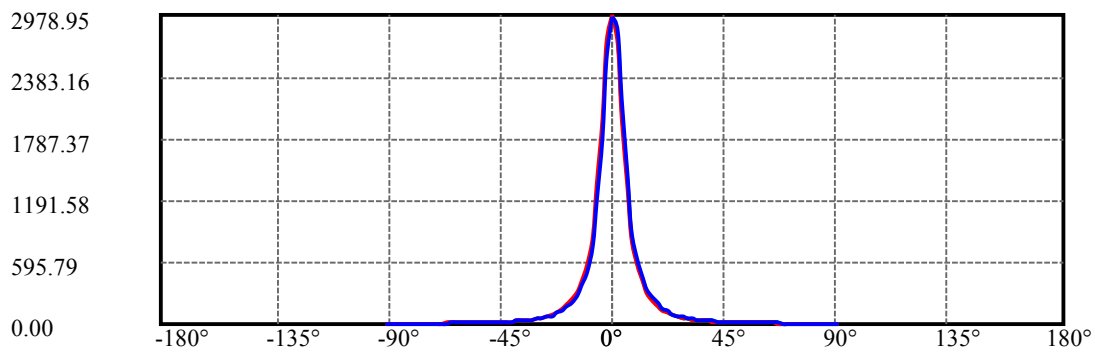
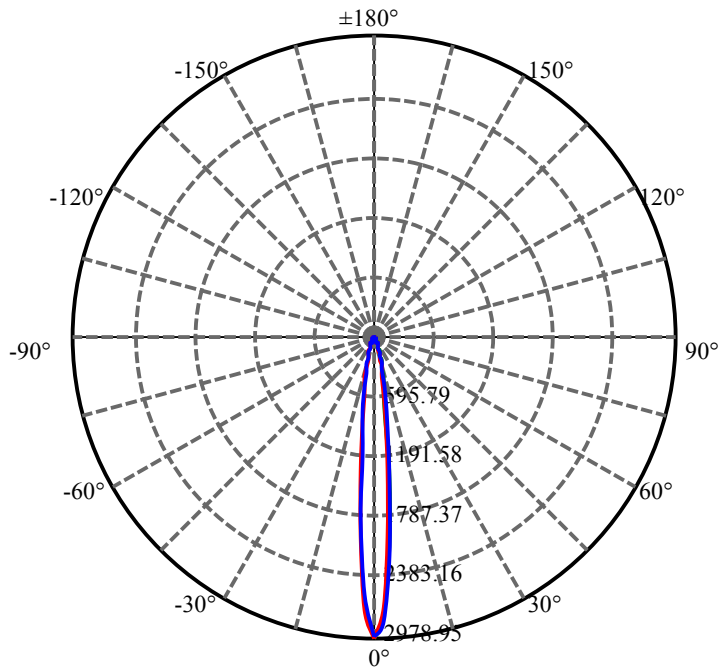
[C90/270]Total=28.6

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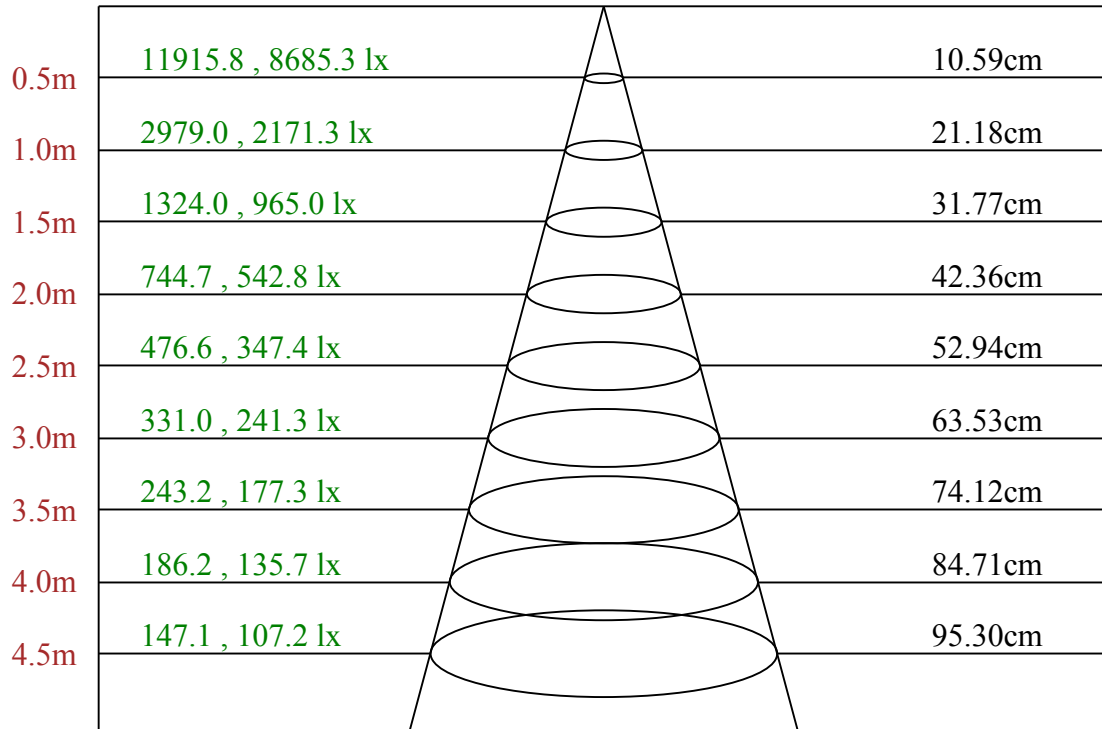
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/22  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

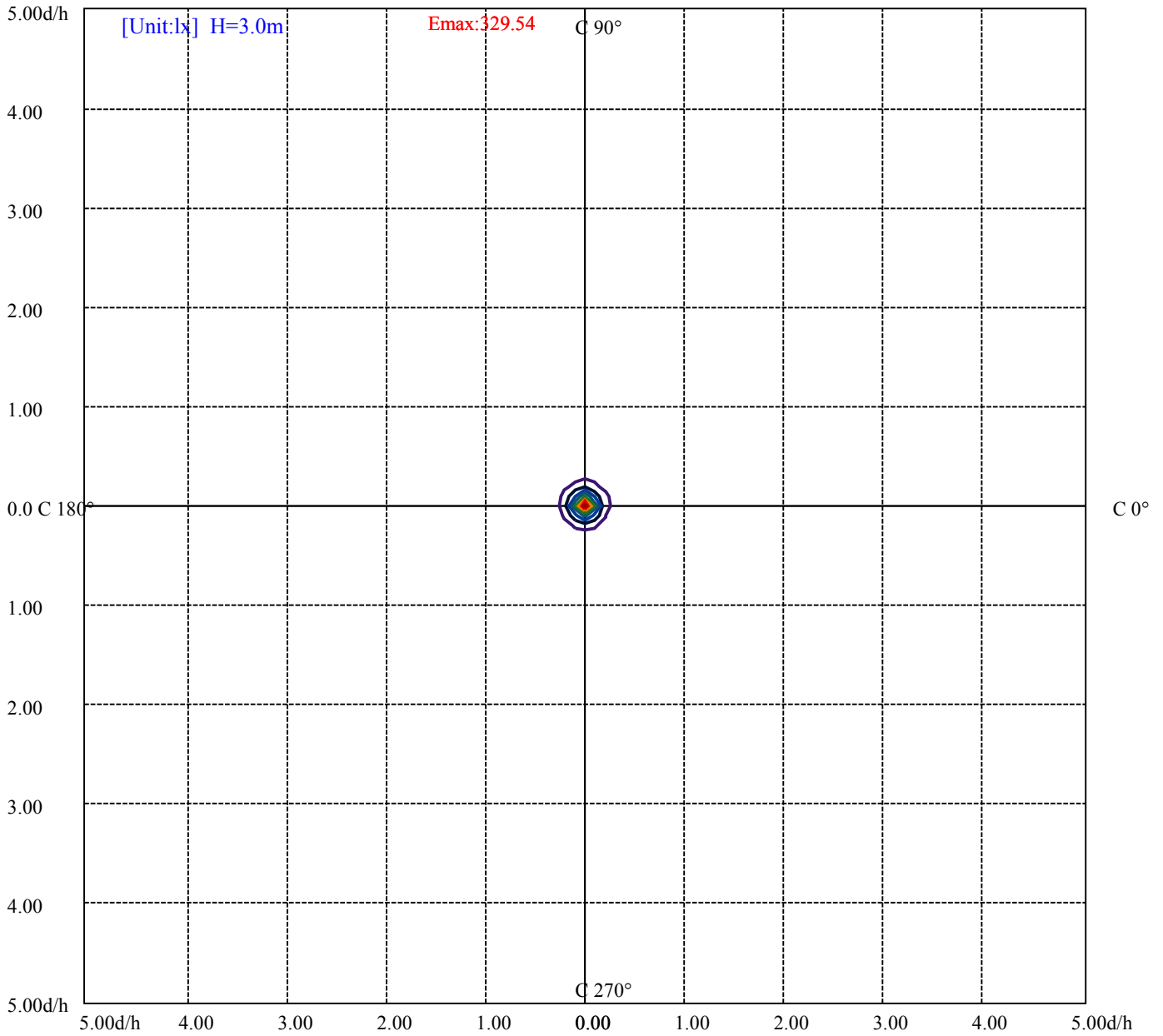


C120(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C120面光束角12.09

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 32.95433
- (20%Emax) 65.90866
- (30%Emax) 98.86301
- (40%Emax) 131.8178
- (50%Emax) 164.7711
- (60%Emax) 197.7256
- (70%Emax) 230.68
- (80%Emax) 263.6344
- (90%Emax) 296.5889

# ROLED 地埋灯

## 灯具的亮度限制曲线(灯具无发光侧边)

附页 第 5页 共10页

亮度值表

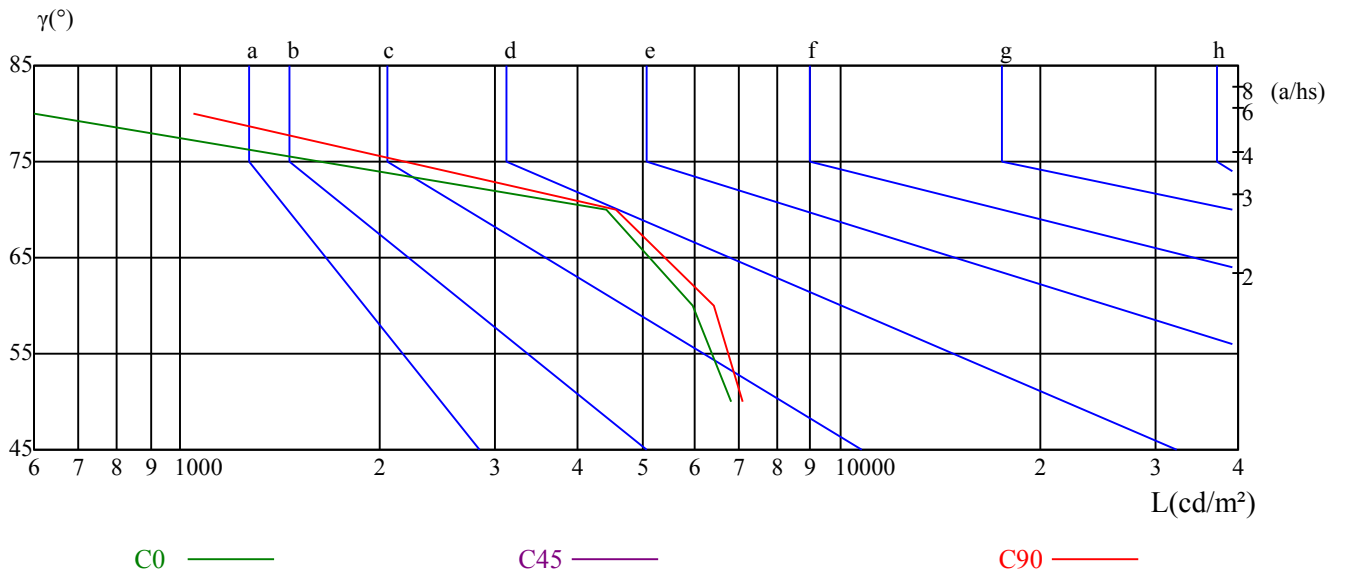
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6810	0	5957	0	4408	0	523	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7121	0	6430	0	4567	0	1046	0

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



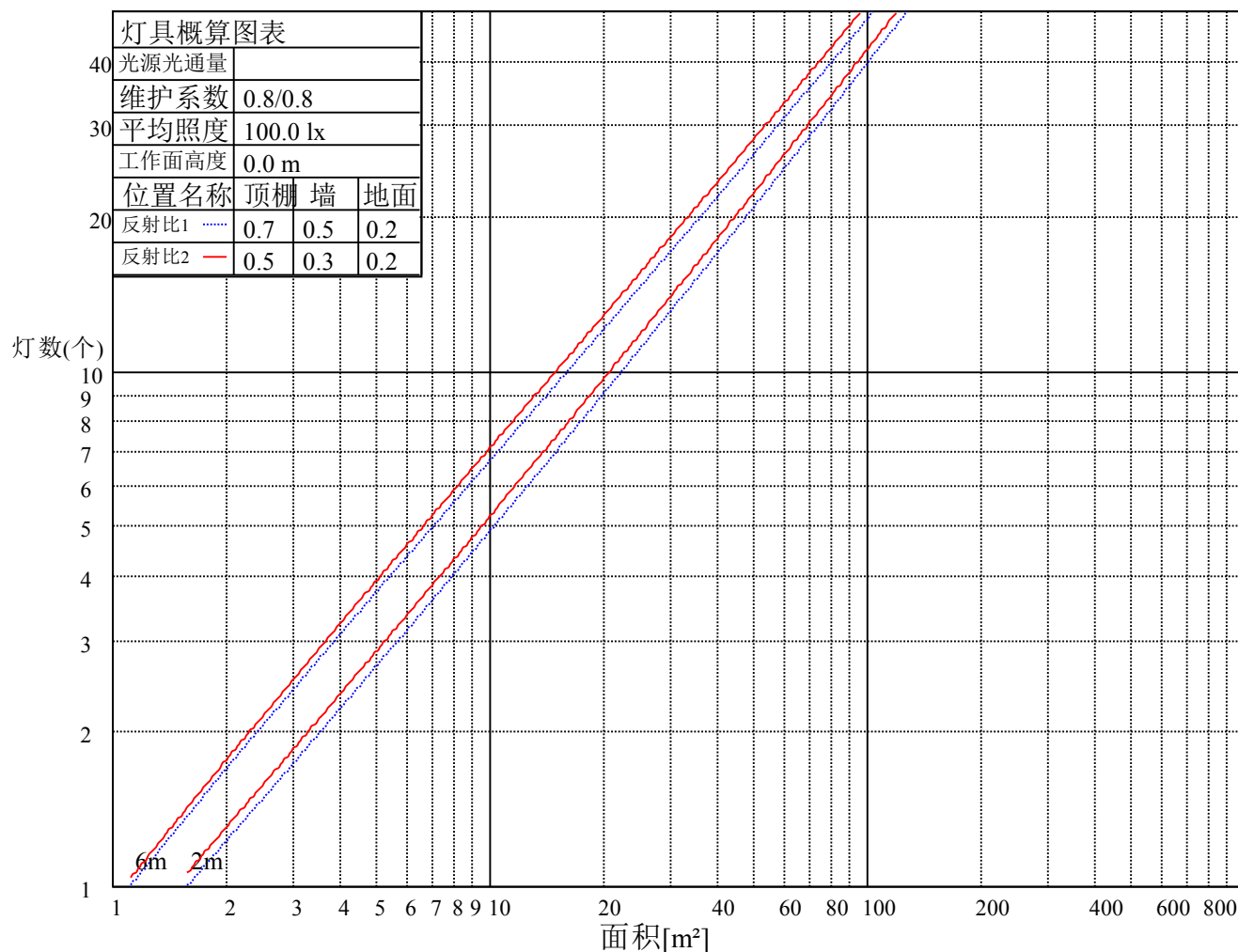
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/22  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

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	19.11	20.18	19.47	20.49	20.81	18.95	20.03	19.32	20.34	20.66
	3H	20.39	21.34	20.77	21.67	22.04	20.24	21.19	20.62	21.52	21.89
	4H	20.60	21.48	21.00	21.83	22.22	20.46	21.34	20.86	21.69	22.08
	6H	20.57	21.38	20.99	21.76	22.15	20.43	21.24	20.85	21.62	22.01
	8H	20.53	21.29	20.96	21.68	22.09	20.39	21.15	20.82	21.54	21.95
	12H	20.48	21.20	20.91	21.59	22.02	20.33	21.06	20.77	21.44	21.88
4H	2H	19.54	20.42	19.95	20.77	21.16	19.41	20.30	19.82	20.65	21.04
	3H	20.95	21.67	21.37	22.08	22.49	20.82	21.54	21.23	21.95	22.35
	4H	21.19	21.83	21.63	22.26	22.70	21.07	21.71	21.51	22.13	22.58
	6H	21.18	21.73	21.65	22.18	22.65	21.06	21.61	21.53	22.06	22.53
	8H	21.12	21.63	21.60	22.08	22.56	21.00	21.51	21.47	21.96	22.43
	12H	21.07	21.51	21.56	22.00	22.48	20.94	21.39	21.43	21.87	22.35
8H	4H	21.19	21.70	21.66	22.15	22.62	21.07	21.58	21.55	22.03	22.51
	6H	21.17	21.58	21.68	22.08	22.56	21.06	21.46	21.56	21.96	22.45
	8H	21.11	21.47	21.65	22.00	22.49	21.00	21.36	21.53	21.88	22.37
	12H	21.89	22.20	22.41	22.70	23.28	21.76	22.07	22.28	22.57	23.15
12H	4H	21.13	21.57	21.62	22.06	22.54	21.02	21.46	21.51	21.95	22.43
	6H	21.45	21.47	21.65	21.94	22.49	21.33	21.36	21.53	21.83	22.38
	8H	21.07	21.38	21.59	21.88	22.46	20.95	21.26	21.47	21.76	22.34
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.5					0.4/-0.5					
S = 1.5H	1.1/-0.9					1.1/-1.0					
S = 2.0H	2.3/-1.3					2.2/-1.5					
标准表格	BK2					BK2					
更正系数	-1.0					-1.3					

# 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	1.04	1.02	1.02	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	0.95	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	0.84
4	0.94	0.89	0.85	0.93	0.88	0.85	0.91	0.87	0.84	0.89	0.85	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	0.78	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	0.75	0.73	0.72
8	0.80	0.75	0.72	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.69
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	0.73	0.69	0.67	0.66



# 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	2976.65	2685.05	1985.20	1309.14	836.44	568.63	400.57	299.97	227.14
30.0	2961.30	2721.12	2075.75	1369.77	871.74	582.44	423.59	314.32	242.49
60.0	2970.51	2681.21	1981.36	1341.07	852.94	580.29	427.81	320.38	248.40
90.0	2962.07	2809.36	2160.16	1439.60	914.71	621.57	445.85	337.72	256.76
120.0	2978.95	2735.70	2052.73	1390.95	876.80	588.65	432.57	321.99	245.33
150.0	2962.84	2793.25	2183.18	1461.08	926.22	613.90	445.85	331.89	256.76
180.0	2976.65	2701.93	1984.43	1342.45	844.73	576.68	414.46	308.18	235.28
210.0	2961.30	2615.22	1941.46	1269.24	824.39	550.06	395.58	296.05	228.06
240.0	2970.51	2655.89	1992.11	1283.82	837.97	560.95	400.57	302.27	232.21
270.0	2962.07	2543.85	1796.43	1178.69	749.88	504.47	365.65	279.32	212.03
300.0	2978.95	2614.45	1926.11	1223.96	794.23	529.49	394.43	285.00	216.32
330.0	2962.84	2549.22	1845.54	1188.44	774.67	518.06	371.18	276.41	212.18
360.0	2976.65	2685.05	1985.20	1309.14	836.44	568.63	400.57	299.97	227.14
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	175.58	137.82	110.73	88.48	72.44	60.09	50.72	43.51	37.75
30.0	186.93	145.65	114.72	92.55	75.13	62.00	52.80	44.97	38.98
60.0	189.39	148.95	116.87	94.23	76.20	62.69	53.10	45.20	39.21
90.0	198.60	156.93	123.16	98.45	79.73	65.84	55.10	47.58	40.90
120.0	189.93	150.10	118.41	95.85	77.66	64.08	53.72	45.89	39.98
150.0	198.37	154.24	121.40	97.23	78.27	63.69	53.79	45.58	39.44
180.0	184.32	143.35	112.65	91.39	74.28	61.70	51.72	44.28	38.22
210.0	176.11	137.67	109.12	87.79	71.67	59.24	50.80	43.59	37.91
240.0	177.80	139.05	111.12	88.40	72.21	59.47	50.26	43.36	37.52
270.0	165.75	130.15	102.67	83.18	69.37	57.55	48.96	42.51	36.99
300.0	166.21	130.76	104.75	84.56	70.83	59.47	50.11	43.59	38.06
330.0	164.14	128.61	102.83	83.49	68.83	57.40	49.34	42.36	36.83
360.0	175.58	137.82	110.73	88.48	72.44	60.09	50.72	43.51	37.75
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	33.61	30.23	27.32	25.02	22.87	21.10	19.57	18.49	17.27
30.0	34.22	30.54	27.47	24.86	22.87	21.03	19.49	18.19	16.96
60.0	34.46	31.00	28.01	25.48	23.48	21.64	20.18	18.72	17.50
90.0	35.99	32.08	28.78	26.17	23.87	22.25	20.72	19.34	18.03
120.0	35.22	31.69	28.70	26.17	23.94	22.18	20.72	19.34	18.26
150.0	34.69	31.08	28.01	25.78	23.56	21.56	20.11	18.80	17.50
180.0	33.99	30.31	27.32	24.86	22.87	21.03	19.57	18.49	17.27
210.0	33.53	29.85	27.17	24.71	22.64	20.87	19.49	18.19	17.11
240.0	33.53	30.16	27.32	25.02	23.02	21.41	20.03	18.72	17.42
270.0	33.23	29.93	27.09	24.86	22.87	21.26	19.80	18.72	17.57
300.0	33.76	30.39	27.78	25.48	23.33	21.72	20.26	18.95	17.73
330.0	32.84	29.39	26.93	24.56	22.48	20.95	19.41	18.11	16.88
360.0	33.61	30.23	27.32	25.02	22.87	21.10	19.57	18.49	17.27
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	16.11	14.96	13.74	12.58	11.59	10.28	9.06	7.75	6.37
30.0	15.96	14.89	13.81	12.74	11.59	10.21	9.13	7.90	6.75
60.0	16.35	15.35	14.27	13.12	11.97	10.74	9.36	7.98	6.60
90.0	16.88	15.81	14.58	13.58	12.43	11.28	9.82	8.21	6.60
120.0	16.96	15.88	14.50	13.51	12.28	11.13	9.75	8.29	7.06
150.0	16.35	15.50	14.27	13.05	11.97	10.74	9.52	8.29	7.14
180.0	16.27	15.27	14.27	13.12	11.97	10.82	9.44	7.98	6.60
210.0	16.27	15.27	14.27	13.28	12.28	10.82	9.44	7.98	6.29
240.0	16.27	15.27	13.97	12.89	11.82	10.67	9.44	8.29	6.98
270.0	16.42	15.19	13.97	12.66	11.43	10.21	9.06	7.90	6.45
300.0	16.65	15.50	14.35	13.28	12.05	10.67	9.13	7.83	6.22
330.0	15.96	14.89	13.74	12.74	11.59	10.28	8.75	7.37	5.76
360.0	16.11	14.96	13.74	12.58	11.59	10.28	9.06	7.75	6.37

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/22  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

# 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	4.99	3.61	2.38	0.84	0.38	0.31	0.15	0.00	0.00
30.0	5.45	3.99	2.46	0.92	0.38	0.31	0.15	0.08	0.00
60.0	4.99	3.53	2.46	1.46	0.54	0.38	0.15	0.15	0.00
90.0	5.06	3.68	2.61	1.76	0.77	0.38	0.31	0.08	0.00
120.0	5.45	3.99	2.69	1.23	0.38	0.31	0.31	0.08	0.00
150.0	5.91	4.60	3.15	0.61	0.23	0.23	0.23	0.08	0.08
180.0	4.91	3.61	2.46	1.61	0.61	0.23	0.15	0.08	0.00
210.0	4.83	3.38	2.30	1.53	0.61	0.31	0.23	0.00	0.00
240.0	5.68	3.91	2.76	1.15	0.38	0.31	0.23	0.08	0.00
270.0	5.14	3.76	2.07	0.69	0.38	0.23	0.15	0.08	0.00
300.0	4.45	3.45	2.23	1.15	0.38	0.31	0.23	0.00	0.00
330.0	4.37	3.15	2.23	1.00	0.38	0.23	0.23	0.00	0.00
360.0	4.99	3.61	2.38	0.84	0.38	0.31	0.15	0.00	0.00

C/γ(°)	90.0
0.0	0.00
30.0	0.00
60.0	0.00
90.0	0.00
120.0	0.00
150.0	0.00
180.0	0.00
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.00
360.0	0.00