

浙大三色

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## ROLED

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灯具名称: 地埋灯

灯具描述: G1072A-6-24DC(20-OL-6WN-C,CT)

报告编号:

电压(V): 24.0000

测试编号: 20210419008

电流(A): 0.1320

光源规格型号: OL

功率(W): 3.1000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 3

镇流器型号:

发光面长度(mm): 75

发光面宽度(mm): 15

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): 159.97

灯具效能(lm/w): 51.60

中心光强(cd): 1519.404

最大光强(cd): 1548.565

最大光强角度:  $C=150.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=18.0

[C90/270]Total=12.7

光束扩散角(10%Imax): [C0/180]Total=37.8

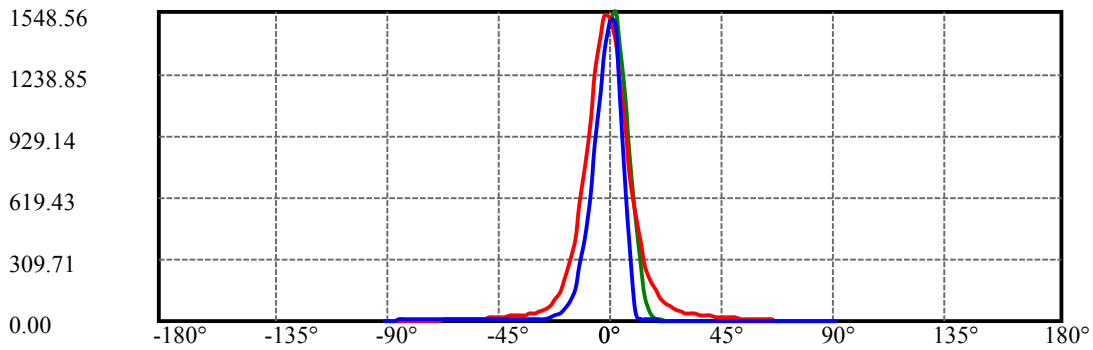
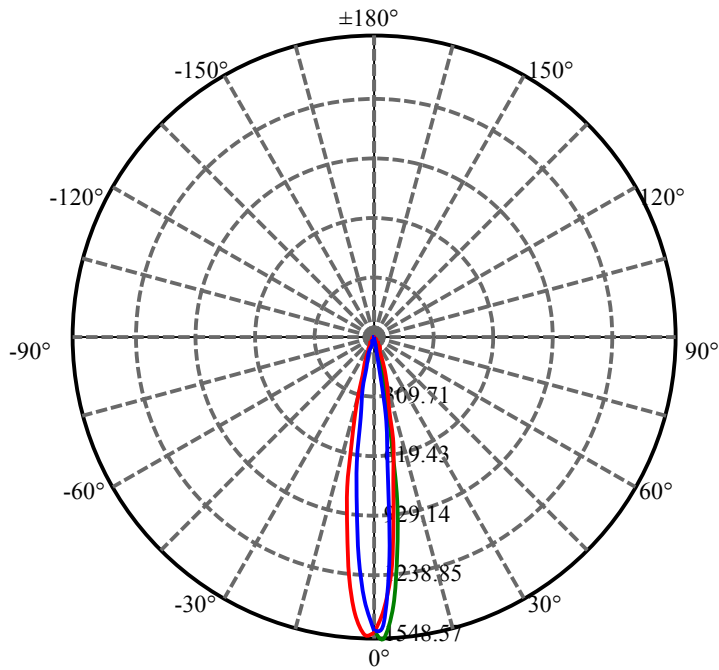
[C90/270]Total=23.9

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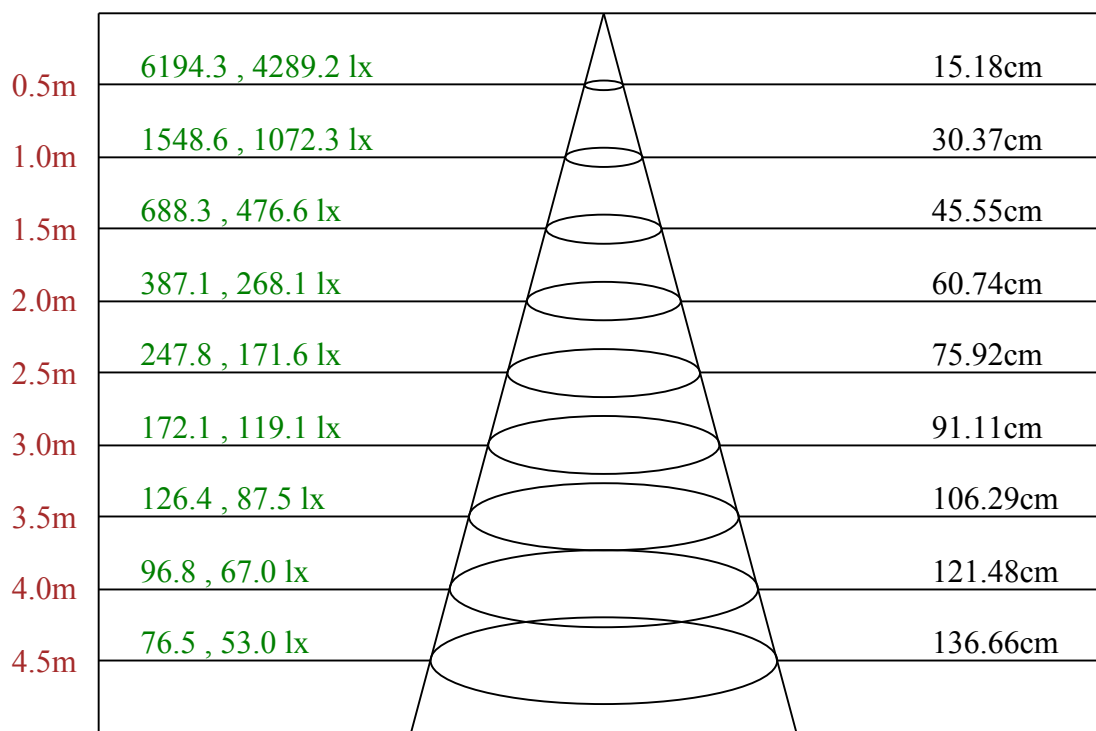
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/19  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

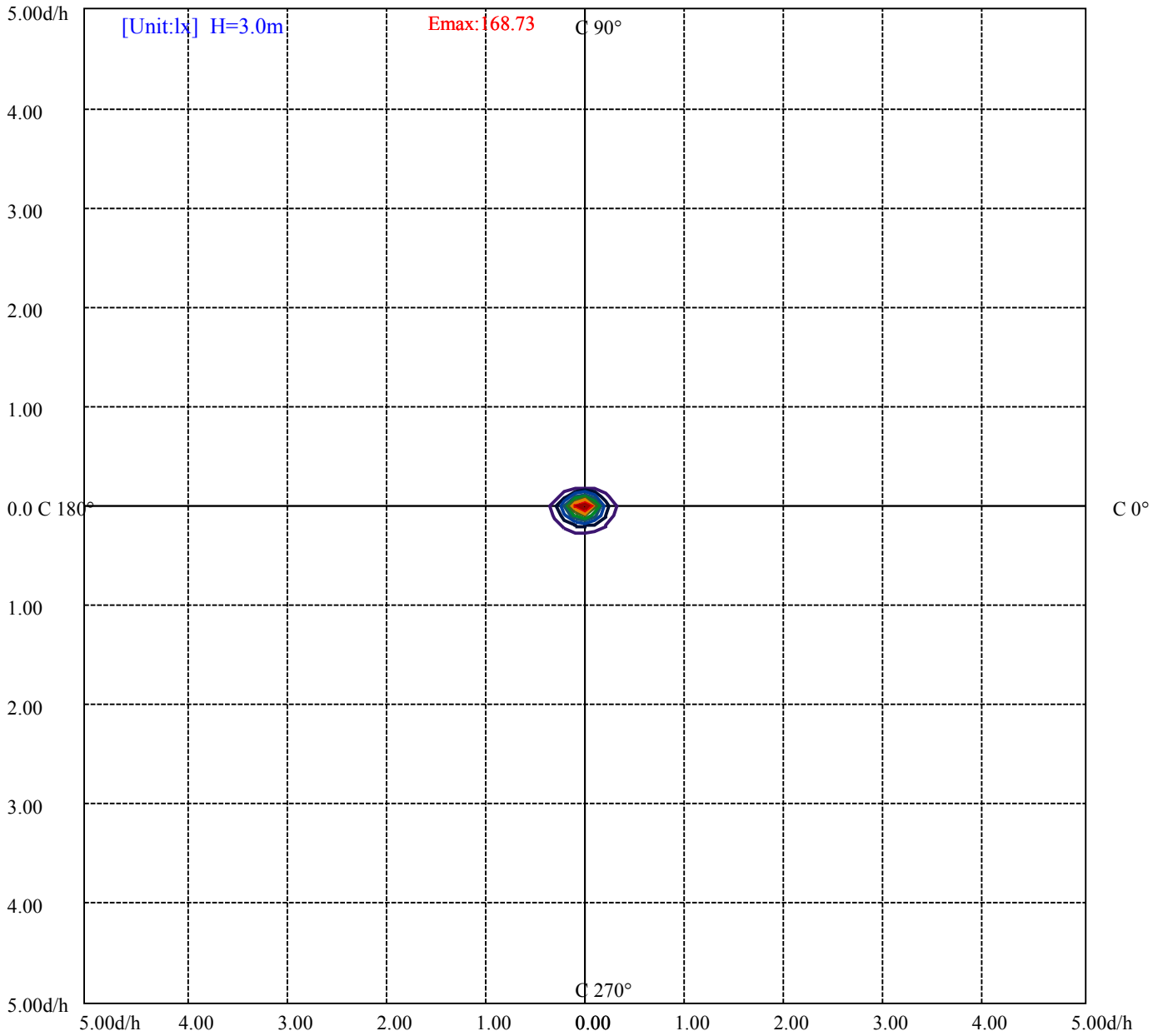


C150(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave C150面光束角17.27

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 16.87322
- (20%Emax) 33.74656
- (30%Emax) 50.61978
- (40%Emax) 67.49311
- (50%Emax) 84.36633
- (60%Emax) 101.2396
- (70%Emax) 118.1133
- (80%Emax) 134.9867
- (90%Emax) 151.8589

# ROLED 地埋灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

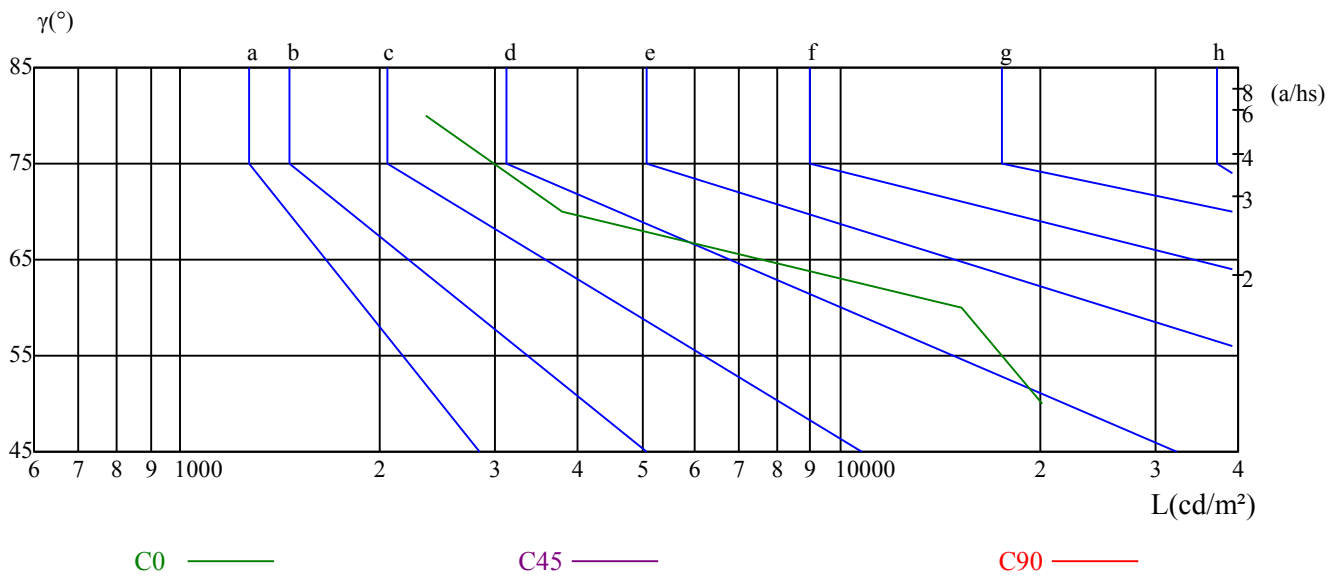
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	20162	0	15279	0	3789	0	2357	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

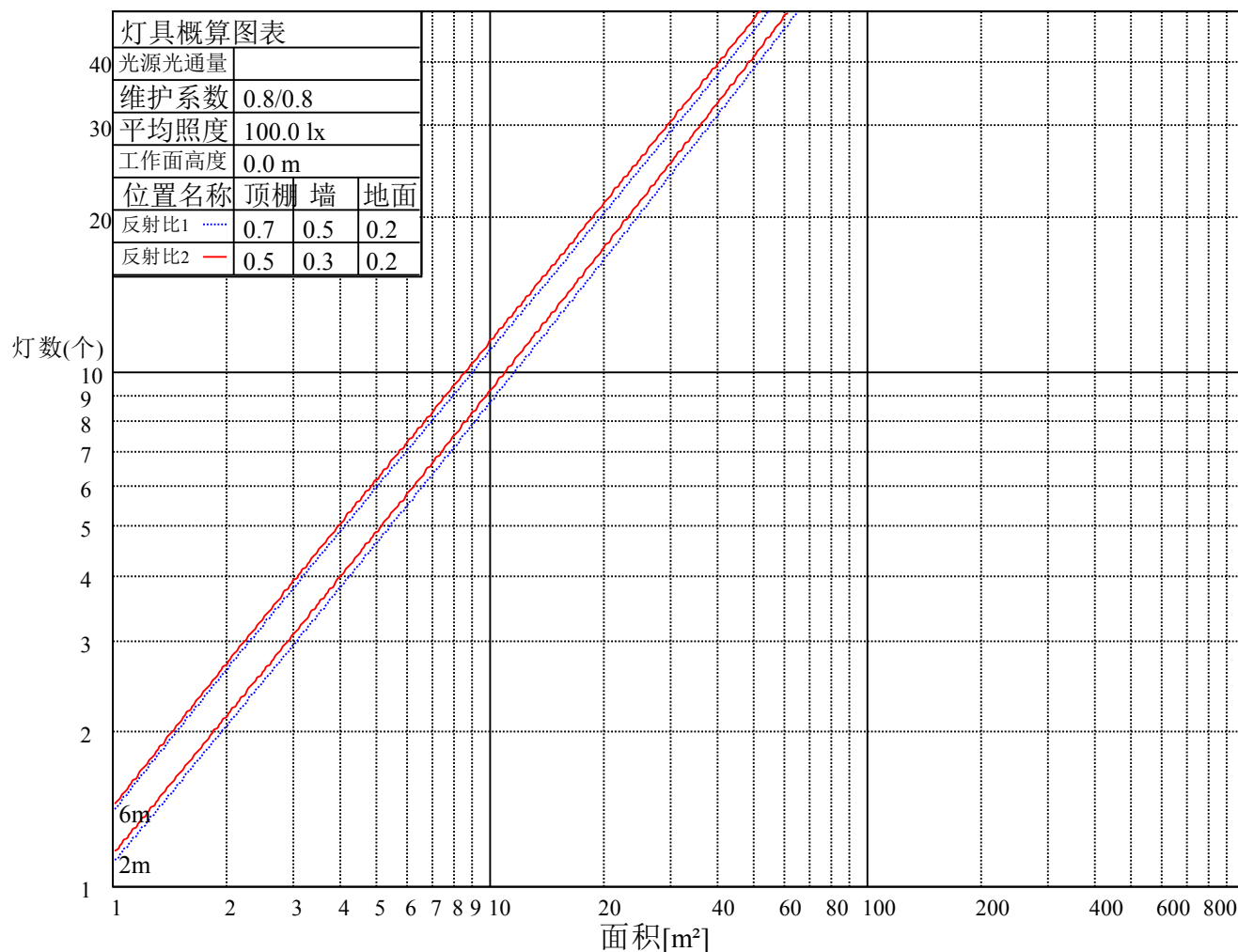
亮度限制曲线



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	15.28	16.28	15.65	16.59	16.91	20.43	21.43	20.80	21.74	22.05
	3H	19.20	20.08	19.58	20.41	20.78	21.36	22.24	21.74	22.57	22.94
	4H	21.23	22.05	21.64	22.40	22.79	21.40	22.22	21.81	22.57	22.96
	6H	23.43	24.17	23.85	24.55	24.94	21.43	22.18	21.85	22.55	22.95
	8H	24.58	25.28	25.02	25.67	26.08	21.45	22.15	21.89	22.54	22.95
	12H	26.38	27.05	26.81	27.43	27.86	21.51	22.18	21.95	22.56	23.00
4H	2H	15.65	16.47	16.06	16.82	17.21	20.29	21.10	20.70	21.46	21.85
	3H	19.83	20.50	20.24	20.91	21.31	21.31	21.98	21.72	22.39	22.79
	4H	22.06	22.66	22.50	23.08	23.53	21.46	22.06	21.90	22.49	22.93
	6H	24.38	24.89	24.85	25.34	25.81	21.62	22.14	22.09	22.59	23.06
	8H	25.71	26.19	26.19	26.64	27.12	21.73	22.21	22.21	22.66	23.14
	12H	27.52	27.93	28.01	28.42	28.90	21.88	22.30	22.38	22.79	23.26
8H	4H	22.32	22.80	22.80	23.25	23.73	21.80	22.28	22.28	22.73	23.20
	6H	24.92	25.30	25.43	25.81	26.29	22.27	22.65	22.78	23.15	23.63
	8H	26.46	26.79	26.99	27.32	27.81	22.58	22.91	23.11	23.44	23.93
	12H	28.45	28.74	28.97	29.24	29.82	23.35	23.65	23.88	24.14	24.72
12H	4H	22.34	22.76	22.83	23.24	23.72	21.99	22.40	22.48	22.89	23.37
	6H	25.30	25.35	25.55	25.83	26.38	22.92	22.98	23.18	23.45	24.00
	8H	26.65	26.94	27.17	27.44	28.02	23.13	23.42	23.65	23.92	24.50
对应照射距离，改变观察者位置S											
S = 1.0H	5.6/负无穷大					1.7/-2.2					
S = 1.5H	7.5/负无穷大					3.5/-9.2					
S = 2.0H	7.9/负无穷大					6.4/-12.2					
标准表格	BK12					BK1					
更正系数	-20.6					-2.4					

# 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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96
2	1.07	1.03	1.01	1.05	1.02	1.00	1.02	1.00	0.98	0.99	0.97	0.95	0.96	0.95	0.94	0.92
3	1.02	0.98	0.95	1.01	0.97	0.95	0.98	0.95	0.93	0.96	0.94	0.92	0.94	0.92	0.90	0.89
4	0.98	0.94	0.91	0.97	0.94	0.91	0.95	0.92	0.90	0.93	0.91	0.89	0.92	0.89	0.88	0.86
5	0.95	0.91	0.88	0.94	0.90	0.87	0.93	0.89	0.87	0.91	0.88	0.86	0.90	0.87	0.85	0.84
6	0.92	0.88	0.85	0.91	0.88	0.85	0.90	0.87	0.84	0.89	0.86	0.84	0.88	0.85	0.83	0.82
7	0.90	0.86	0.83	0.89	0.85	0.82	0.88	0.85	0.82	0.87	0.84	0.82	0.86	0.83	0.81	0.80
8	0.87	0.83	0.81	0.87	0.83	0.80	0.86	0.83	0.80	0.85	0.82	0.80	0.84	0.82	0.80	0.79
9	0.85	0.81	0.79	0.85	0.81	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.83	0.80	0.78	0.77
10	0.84	0.80	0.77	0.83	0.80	0.77	0.83	0.79	0.77	0.82	0.79	0.77	0.81	0.79	0.77	0.76



ROLED 地埋灯

光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	1519.40	1397.39	1210.15	970.73	742.05	547.14	389.83	279.71	203.82
30.0	1521.63	1486.79	1259.72	964.75	696.78	458.05	249.17	115.95	49.96
60.0	1515.57	1436.91	1083.53	717.73	335.96	125.70	16.73	6.29	5.53
90.0	1506.36	1468.76	1131.11	660.71	397.50	58.17	7.98	6.91	6.98
120.0	1512.50	1470.06	1161.58	773.90	373.41	138.05	11.28	6.52	5.83
150.0	1504.90	1548.56	1381.28	1118.07	842.58	538.70	275.41	121.32	40.06
180.0	1519.40	1530.30	1420.18	1240.39	1008.18	777.35	582.44	417.38	296.05
210.0	1521.63	1455.64	1289.19	1076.94	855.85	647.67	482.37	343.55	237.04
240.0	1515.57	1415.04	1230.10	996.82	753.56	537.93	388.29	237.73	146.49
270.0	1506.36	1349.81	1137.71	883.40	646.21	421.21	274.41	164.99	97.07
300.0	1512.50	1352.12	1137.25	896.30	663.01	471.17	318.84	210.41	137.90
330.0	1504.90	1341.53	1132.26	904.12	683.35	499.02	368.11	265.28	192.07
360.0	1519.40	1397.39	1210.15	970.73	742.05	547.14	389.83	279.71	203.82
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	150.79	114.42	90.24	72.29	59.01	48.88	42.59	38.14	33.99
30.0	18.57	7.75	4.68	3.45	2.84	2.53	2.69	2.53	2.46
60.0	5.37	5.53	4.14	2.00	0.31	0.08	0.00	0.00	0.00
90.0	6.75	3.76	0.61	0.23	0.00	0.00	0.00	0.00	0.00
120.0	5.99	5.83	3.45	1.15	0.23	0.00	0.00	0.00	0.00
150.0	11.74	6.22	4.22	3.61	3.45	3.53	3.45	3.45	3.45
180.0	206.12	146.11	104.98	79.27	61.16	50.03	42.36	36.45	32.54
210.0	168.59	117.64	85.49	62.92	47.42	36.45	29.39	24.17	20.49
240.0	92.39	59.63	39.29	25.09	17.27	12.66	9.36	7.75	6.68
270.0	57.17	38.52	27.32	19.03	14.04	10.90	8.82	7.75	7.06
300.0	84.56	52.26	33.15	22.02	15.58	11.20	8.59	7.14	6.14
330.0	142.35	107.36	82.57	62.39	46.96	35.84	28.09	22.71	18.72
360.0	150.79	114.42	90.24	72.29	59.01	48.88	42.59	38.14	33.99
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	31.69	29.16	25.63	22.87	21.03	18.49	16.19	14.58	12.89
30.0	2.53	2.15	1.76	1.46	0.92	0.54	0.31	0.15	0.08
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	2.76	2.00	1.15	0.77	0.38	0.15	0.08	0.08	0.00
180.0	29.62	27.24	24.33	21.95	19.80	17.96	16.11	14.04	13.05
210.0	17.80	15.19	12.66	10.36	8.52	7.37	6.29	5.14	4.07
240.0	5.91	5.22	4.76	4.37	4.07	3.91	3.84	3.76	3.68
270.0	6.60	6.14	5.83	5.60	5.45	5.45	5.45	5.37	5.45
300.0	5.37	4.76	4.37	4.14	3.91	3.91	3.84	3.91	3.84
330.0	15.88	12.82	10.67	8.90	7.52	6.06	4.83	4.07	3.53
360.0	31.69	29.16	25.63	22.87	21.03	18.49	16.19	14.58	12.89
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	11.59	10.05	9.44	8.59	6.83	5.37	4.37	2.99	1.46
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	11.66	10.59	9.67	9.36	7.90	6.29	5.06	3.91	1.84
210.0	3.45	2.99	2.61	2.30	2.30	2.23	2.15	2.07	2.07
240.0	3.76	3.76	3.76	3.68	3.68	3.68	3.61	3.53	3.53
270.0	5.37	5.37	5.37	5.37	5.37	5.37	5.45	5.45	5.45
300.0	3.91	3.84	3.91	3.99	3.99	3.91	3.91	3.91	3.99
330.0	3.07	2.69	2.46	2.38	2.23	2.15	2.23	2.23	2.15
360.0	11.59	10.05	9.44	8.59	6.83	5.37	4.37	2.99	1.46

# 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	0.69	0.54	0.46	0.54	0.46	0.46	0.38	0.23	0.15
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.84	0.54	0.38	0.38	0.31	0.23	0.23	0.08	0.15
210.0	2.15	2.07	2.00	2.00	2.00	2.00	1.92	1.92	1.84
240.0	3.61	3.38	3.45	3.38	3.45	3.30	3.22	3.07	2.99
270.0	5.45	5.37	5.37	5.29	5.22	5.14	5.06	4.76	4.45
300.0	3.91	3.84	3.91	3.91	3.76	3.68	3.45	3.30	3.15
330.0	2.15	2.15	2.07	2.07	2.07	2.07	2.00	2.00	1.84
360.0	0.69	0.54	0.46	0.54	0.46	0.46	0.38	0.23	0.15

C/γ(°)	90.0
0.0	0.08
30.0	0.00
60.0	0.00
90.0	0.00
120.0	0.00
150.0	0.00
180.0	0.08
210.0	1.69
240.0	2.84
270.0	4.14
300.0	2.92
330.0	1.76
360.0	0.08