

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

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## ROLED

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灯具名称: 地埋灯

灯具描述: G3083A-27-36DC (10-OL-27WN-AA, P1)

报告编号:

电压(V): 35.5000

测试编号: 20210309010

电流(A): 0.7540

光源规格型号: OL

功率(W): 26.8000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 27

镇流器型号:

发光面长度(mm): 940

发光面宽度(mm): 33

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): 2766.97

灯具效能(lm/w): 103.25

中心光强(cd): 27287.890

最大光强(cd): 27779.010

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=11.8

[C90/270]Total=10.7

光束扩散角(10%Imax): [C0/180]Total=28.3

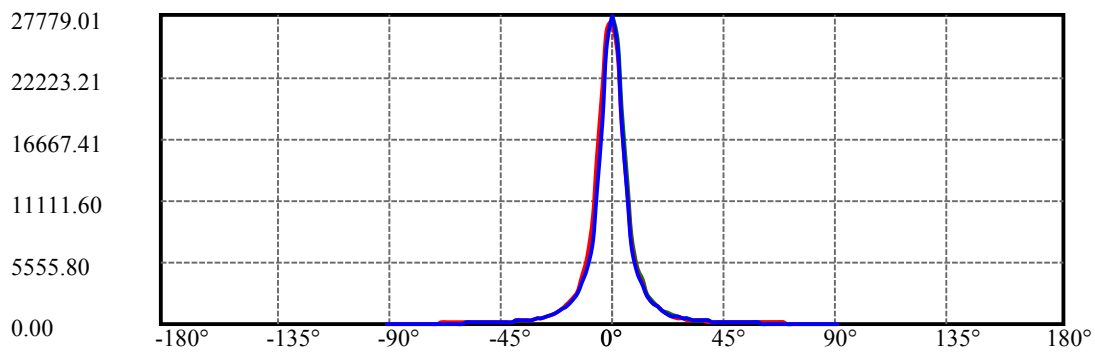
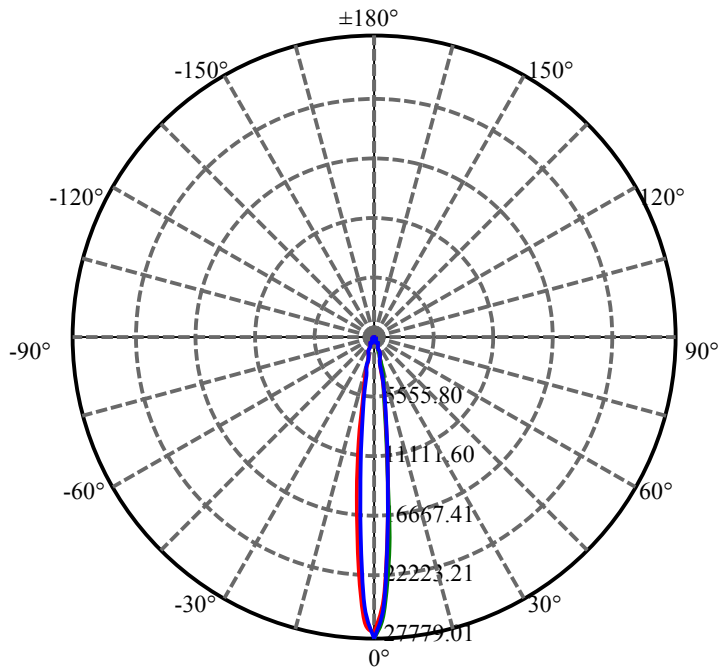
[C90/270]Total=27.4

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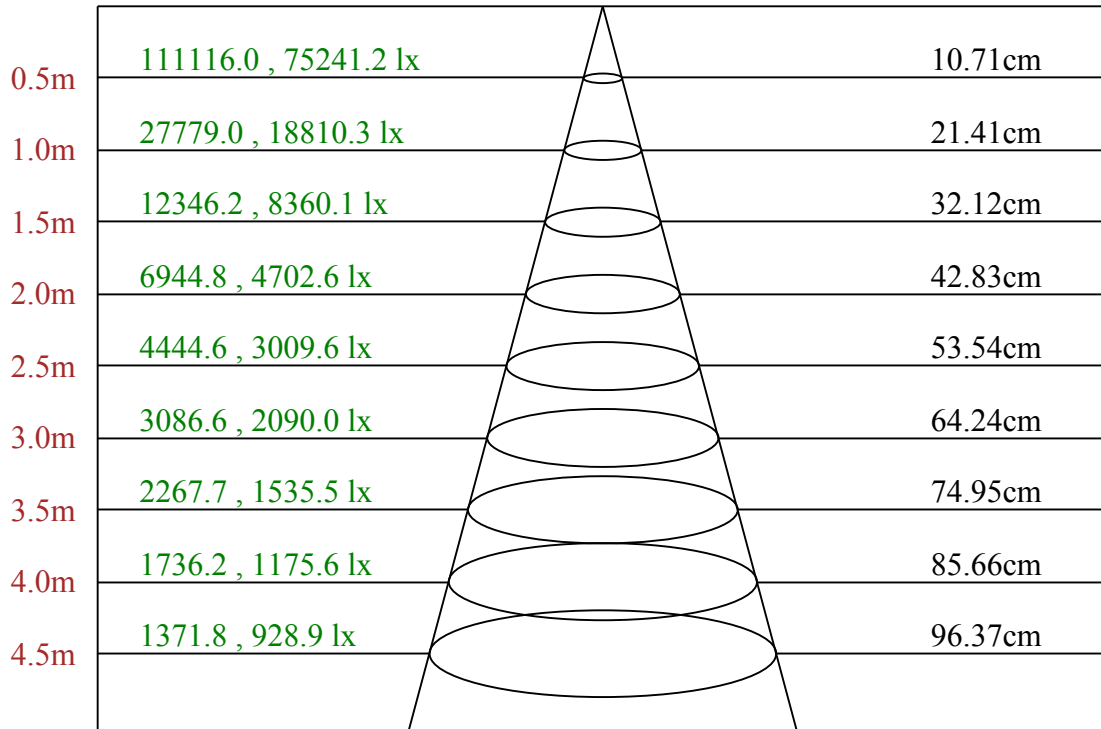
测试设备: GMS1800  
环境温度(°C): 25.0

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

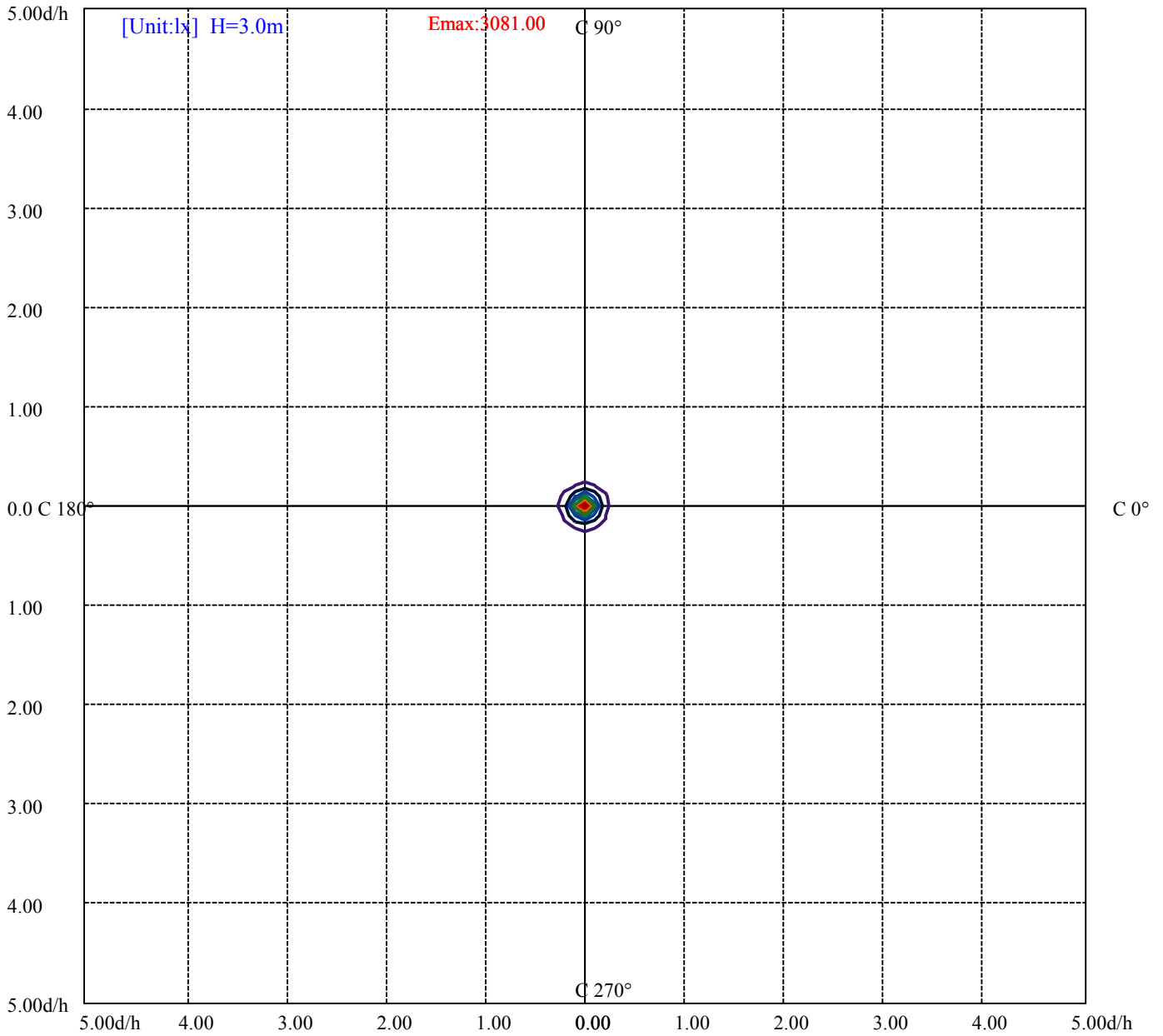


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角12.22

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 308.0989
- (20%Emax) 616.1978
- (30%Emax) 924.2966
- (40%Emax) 1232.4
- (50%Emax) 1540.5
- (60%Emax) 1848.589
- (70%Emax) 2156.689
- (80%Emax) 2464.789
- (90%Emax) 2772.889

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

# 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

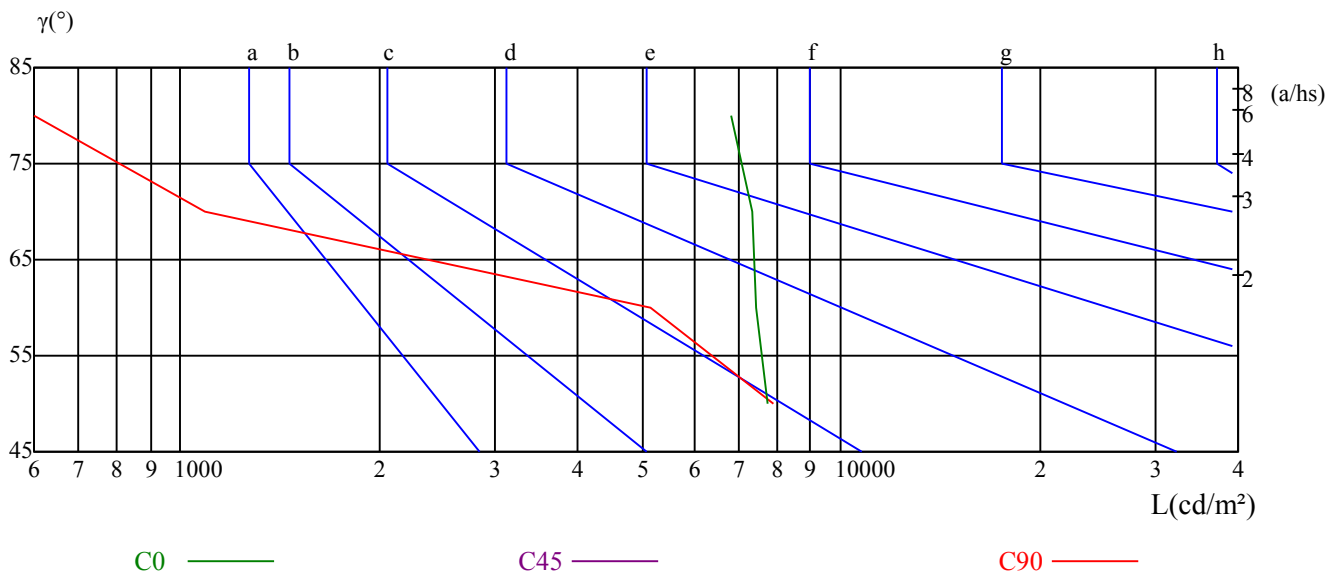
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	7743	0	7451	0	7334	0	6824	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7909	0	5141	0	1092	0	328	0

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



测试设备: GMS1800  
环境温度(°C): 25.0

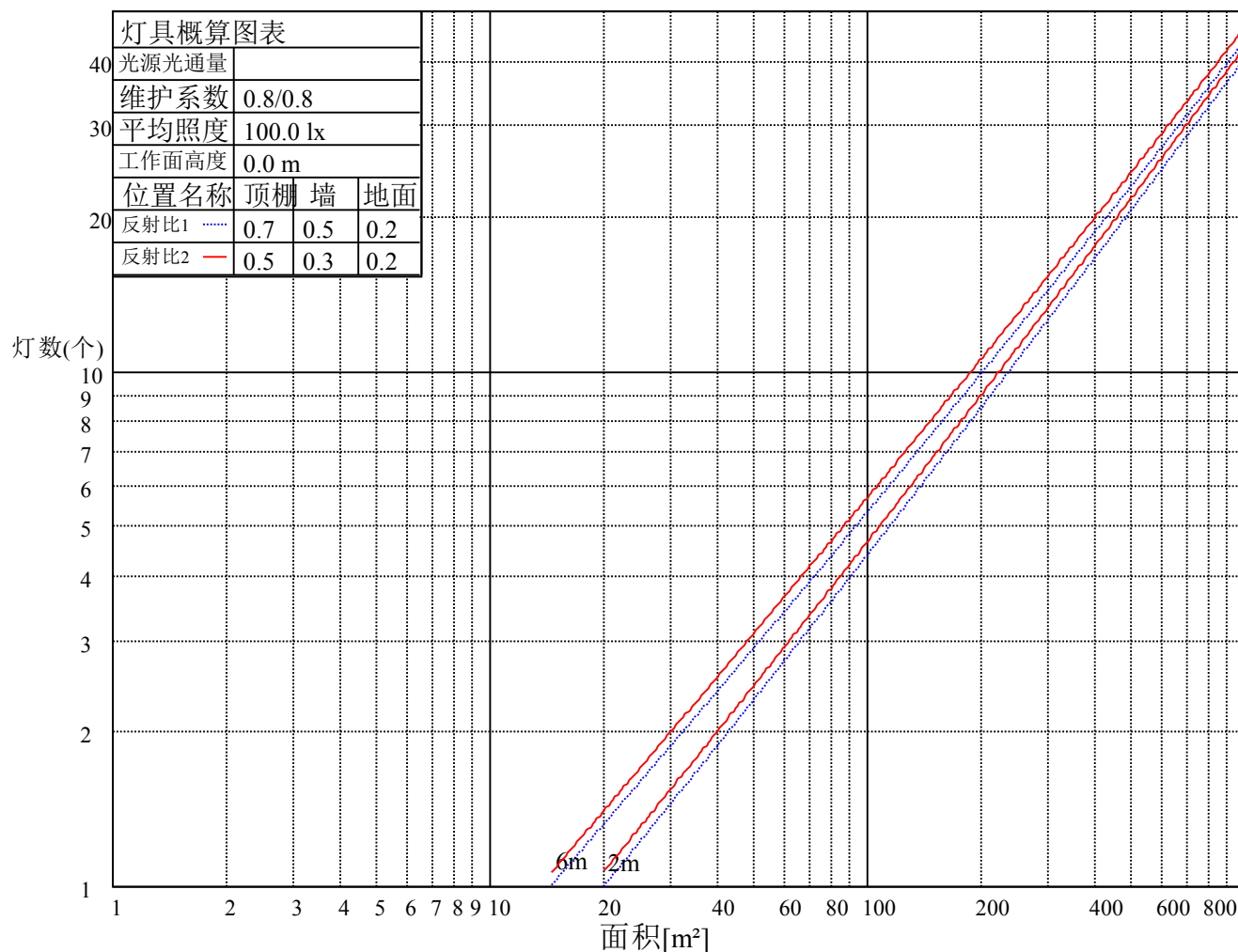
测试日期: 2021/3/9  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

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	10.94	12.01	11.30	12.32	12.63	12.16	13.23	12.53	13.54	13.86
	3H	11.15	12.09	11.53	12.43	12.79	14.08	15.03	14.46	15.36	15.73
	4H	11.08	11.95	11.48	12.31	12.70	14.77	15.65	15.17	16.00	16.39
	6H	10.98	11.79	11.40	12.16	12.56	15.25	16.06	15.67	16.43	16.83
	8H	10.93	11.69	11.37	12.08	12.49	15.43	16.19	15.86	16.58	16.99
	12H	10.88	11.60	11.32	11.99	12.42	15.67	16.39	16.10	16.77	17.21
4H	2H	11.51	12.39	11.92	12.74	13.13	12.50	13.38	12.91	13.73	14.12
	3H	11.77	12.49	12.19	12.90	13.30	14.67	15.39	15.09	15.80	16.21
	4H	11.68	12.33	12.12	12.75	13.20	15.42	16.06	15.86	16.49	16.93
	6H	11.59	12.14	12.06	12.59	13.07	15.88	16.43	16.35	16.88	17.35
	8H	11.53	12.04	12.01	12.49	12.97	16.07	16.58	16.54	17.03	17.50
	12H	11.48	11.92	11.97	12.41	12.89	16.31	16.76	16.80	17.24	17.72
8H	4H	11.90	12.42	12.38	12.87	13.34	15.34	15.85	15.81	16.30	16.77
	6H	11.81	12.21	12.31	12.71	13.20	15.80	16.21	16.31	16.71	17.19
	8H	11.74	12.11	12.27	12.63	13.12	16.01	16.37	16.54	16.89	17.39
	12H	12.42	12.73	12.94	13.23	13.81	16.86	17.17	17.38	17.67	18.25
12H	4H	11.88	12.32	12.37	12.81	13.28	15.28	15.72	15.77	16.21	16.69
	6H	12.11	12.14	12.31	12.61	13.16	16.07	16.10	16.27	16.57	17.12
	8H	11.73	12.04	12.25	12.54	13.12	15.96	16.28	16.48	16.77	17.35
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.7					0.2/-0.6					
S = 1.5H	0.7/-2.1					0.9/-0.8					
S = 2.0H	3.5/-4.5					1.0/-0.9					
标准表格	BK2					BK2					
更正系数	-2.1					0.4					

# 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	1.11	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	0.95
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	0.93	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.91	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.85
4	0.94	0.90	0.86	0.93	0.89	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.85	0.83	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	0.84	0.80	0.77	0.83	0.80	0.77	0.82	0.79	0.76	0.75
7	0.83	0.79	0.75	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.73
8	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.70
9	0.78	0.73	0.70	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.69
10	0.76	0.71	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67



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	27287.89	24011.20	17741.73	11725.51	7405.18	4903.53	3632.76	2546.92	1943.00
30.0	27779.01	25407.82	19276.49	12684.73	8141.86	5256.53	3905.94	2732.63	2057.34
60.0	27679.25	24195.37	15020.62	10734.82	6683.08	4547.47	3269.02	2474.02	1879.30
90.0	27709.95	24724.85	18156.12	11349.49	7036.84	4657.97	3376.45	2520.83	1943.76
120.0	27556.47	24440.93	15271.55	11487.62	7151.94	4811.45	3430.94	2554.59	1965.25
150.0	27310.91	26014.05	20665.44	14089.02	8924.58	5778.34	3905.94	2850.80	2122.56
180.0	27287.89	26251.93	21471.18	14761.24	9645.15	6083.76	4167.62	2976.65	2211.58
210.0	27779.01	25338.76	19322.53	13197.33	8316.05	5412.30	3846.86	2812.43	2128.70
240.0	27679.25	25929.64	19713.89	13367.69	8487.18	5540.45	3928.97	2978.19	2257.62
270.0	27709.95	24701.83	18309.59	11784.59	7433.57	5024.01	3694.15	2759.48	2140.98
300.0	27556.47	25100.87	18977.21	12492.88	7957.69	5371.63	3898.27	2877.66	2213.88
330.0	27310.91	23819.35	15194.04	11695.58	7388.30	5000.22	3511.51	2644.38	2015.90
360.0	27287.89	24011.20	17741.73	11725.51	7405.18	4903.53	3632.76	2546.92	1943.00

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1500.22	1184.06	924.69	740.52	602.39	499.56	422.06	362.05	315.16
30.0	1598.44	1232.41	983.78	786.56	646.13	533.33	447.38	388.29	336.19
60.0	1482.65	1144.92	917.86	740.52	606.61	508.92	431.50	374.40	325.98
90.0	1501.75	1178.69	936.20	761.24	623.88	518.75	443.54	389.06	335.88
120.0	1529.99	1196.65	946.79	769.52	627.02	523.43	440.86	377.09	327.44
150.0	1614.56	1276.15	1016.77	801.14	650.73	546.37	453.52	387.52	338.64
180.0	1710.48	1327.48	1034.12	821.86	670.30	549.29	463.26	392.82	337.95
210.0	1522.93	1297.63	1020.61	824.32	663.78	545.60	456.82	390.90	338.03
240.0	1768.03	1376.67	1072.02	854.09	696.78	566.32	472.70	404.41	348.31
270.0	1521.63	1316.28	1035.65	829.76	669.23	552.66	468.33	397.88	347.39
300.0	1715.09	1336.00	1054.37	840.28	678.36	551.74	461.96	394.43	340.48
330.0	1529.84	1232.25	969.66	784.26	632.39	520.74	437.56	375.40	326.52
360.0	1500.22	1184.06	924.69	740.52	602.39	499.56	422.06	362.05	315.16

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	277.87	248.17	223.84	205.20	188.54	174.96	163.83	154.40	145.65
30.0	295.90	264.36	240.57	219.78	202.82	187.93	175.58	164.83	155.85
60.0	288.46	258.53	235.12	214.79	197.37	183.25	170.66	158.85	147.57
90.0	297.13	267.20	243.03	223.38	204.81	187.62	173.12	157.70	138.36
120.0	289.22	260.45	235.66	215.94	197.91	182.64	169.67	158.31	146.72
150.0	298.36	264.97	239.81	219.78	203.66	187.85	174.19	164.68	156.39
180.0	296.28	264.36	237.12	215.48	198.29	183.17	170.74	160.46	151.79
210.0	297.67	266.66	241.42	220.77	203.58	188.77	176.34	165.45	156.47
240.0	307.72	272.03	245.87	223.77	204.89	189.23	175.96	164.53	152.55
270.0	306.18	273.19	249.09	227.68	207.96	190.77	176.11	160.30	142.12
300.0	301.43	268.35	242.41	220.62	201.82	185.32	172.28	160.77	149.48
330.0	290.68	259.45	235.43	215.63	198.90	184.86	173.27	163.22	154.09
360.0	277.87	248.17	223.84	205.20	188.54	174.96	163.83	154.40	145.65

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	138.13	130.22	122.47	115.57	108.28	100.83	93.85	86.41	77.81
30.0	147.18	139.05	131.30	123.16	115.72	107.66	99.22	89.25	78.96
60.0	136.75	125.62	112.34	98.91	84.33	67.53	51.64	39.14	25.32
90.0	123.85	109.81	95.69	79.73	64.08	50.80	37.68	23.56	11.59
120.0	135.29	124.70	112.04	97.99	83.72	67.68	51.80	38.68	25.48
150.0	146.26	137.21	130.99	123.93	114.19	106.67	99.68	88.32	78.27
180.0	143.42	135.90	127.92	119.79	111.81	103.60	96.61	90.17	83.41
210.0	147.87	139.89	131.99	123.85	115.95	108.51	100.22	90.01	80.19
240.0	141.50	130.22	118.94	105.44	91.09	75.97	57.86	43.89	30.31
270.0	126.54	112.04	97.99	82.34	65.53	52.18	39.44	25.17	12.74
300.0	138.59	127.54	115.64	102.44	89.32	73.51	56.56	42.82	29.01
330.0	146.11	137.74	129.69	121.55	113.49	105.74	96.84	86.94	76.74
360.0	138.13	130.22	122.47	115.57	108.28	100.83	93.85	86.41	77.81

ROLED 地理灯

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	69.45	61.39	52.72	45.20	36.76	28.47	20.72	11.74	3.68
30.0	68.22	54.33	35.68	21.03	7.98	4.68	2.84	1.07	0.77
60.0	12.51	5.45	4.68	3.68	2.38	1.46	1.38	1.07	0.54
90.0	5.99	5.29	4.30	3.15	1.76	1.53	1.46	1.00	0.54
120.0	12.12	5.53	4.60	3.76	2.46	1.46	1.30	1.07	0.54
150.0	68.91	53.26	35.38	20.87	8.13	4.83	2.99	1.15	0.84
180.0	74.67	65.46	57.48	48.81	41.44	33.00	24.48	15.19	5.99
210.0	68.76	54.18	34.76	20.03	7.21	4.68	2.76	1.07	0.77
240.0	17.57	6.37	4.99	4.30	2.99	1.61	1.38	1.15	0.69
270.0	6.06	5.22	4.53	3.30	2.00	1.53	1.46	1.07	0.61
300.0	15.73	5.91	4.76	4.07	2.92	1.53	1.46	1.15	0.69
330.0	65.23	49.73	31.62	16.81	6.06	4.37	2.38	1.00	0.77
360.0	69.45	61.39	52.72	45.20	36.76	28.47	20.72	11.74	3.68

C/γ(°)	90.0
0.0	0.31
30.0	0.15
60.0	0.00
90.0	0.08
120.0	0.00
150.0	0.31
180.0	1.07
210.0	0.15
240.0	0.15
270.0	0.15
300.0	0.15
330.0	0.31
360.0	0.31