

浙大三色

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## ROLED

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灯具名称: 地埋灯

灯具描述: G2013A-24-UN(10-OL-24WN-AA, P1)

报告编号:

电压(V): 220.6000

测试编号: 20210316003

电流(A): 0.1540

光源规格型号: OL

功率(W): 31.3000

每个光源光通量(lm)

功率因数: 0.9210

光源数量: 24

镇流器型号:

发光面长度(mm): 190

发光面宽度(mm): 190

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): 2563.10

灯具效能(lm/w): 81.89

中心光强(cd): 27403.000

最大光强(cd): 27418.340

最大光强角度: C=120.0  $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=10.4

[C90/270]Total=10.3

光束扩散角(10%Imax): [C0/180]Total=26.6

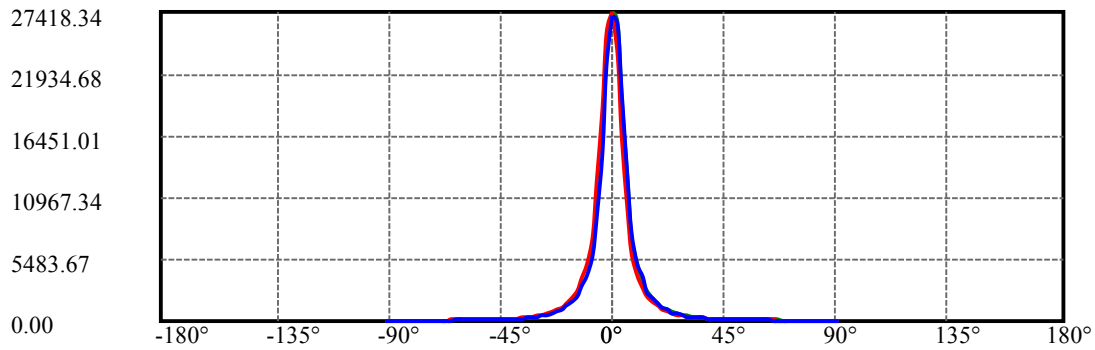
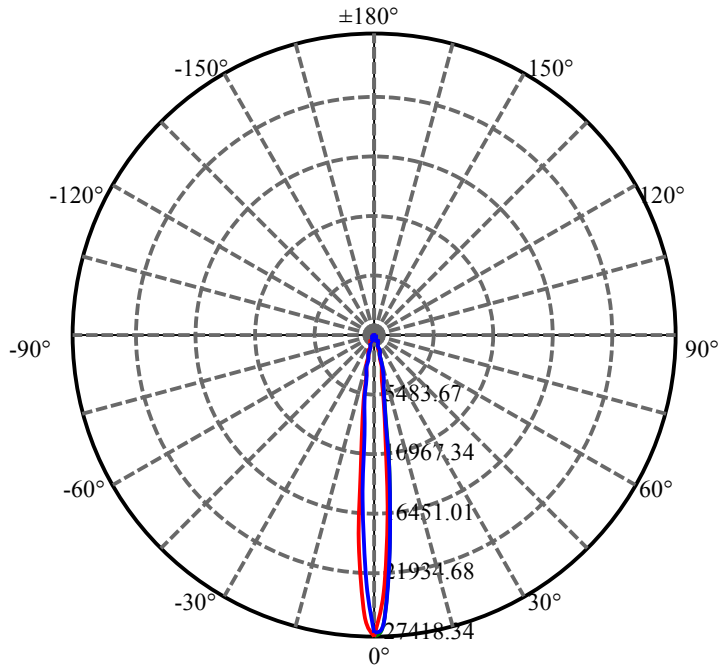
[C90/270]Total=26.7

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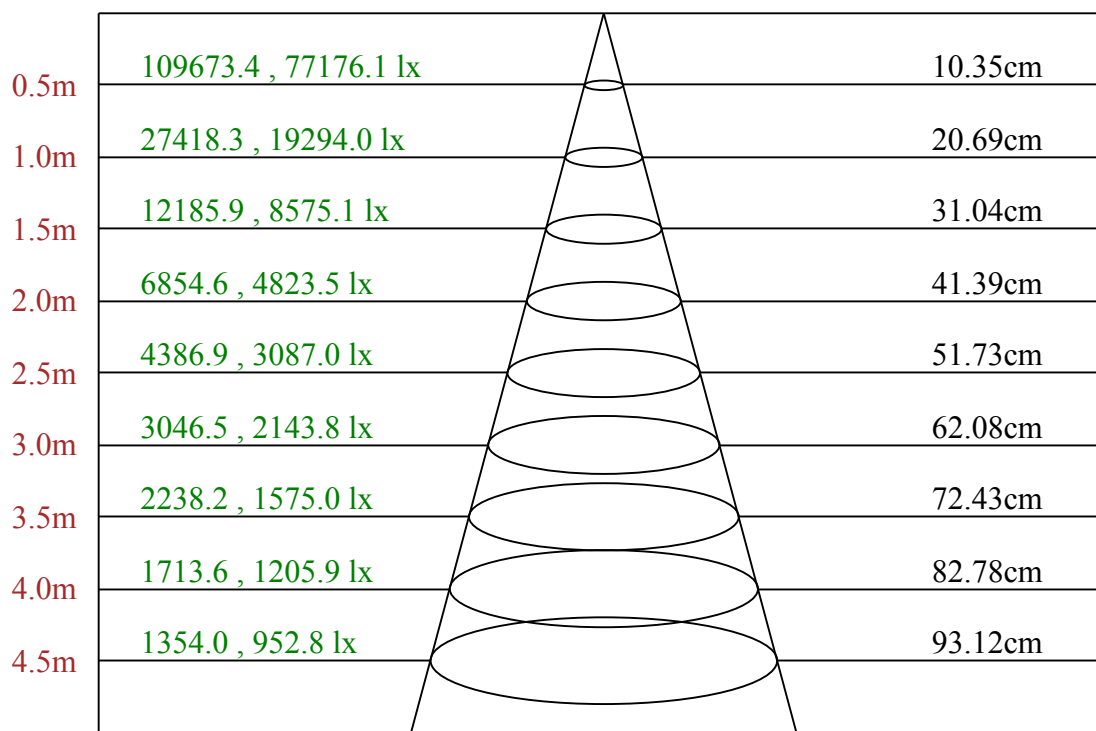
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/16  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

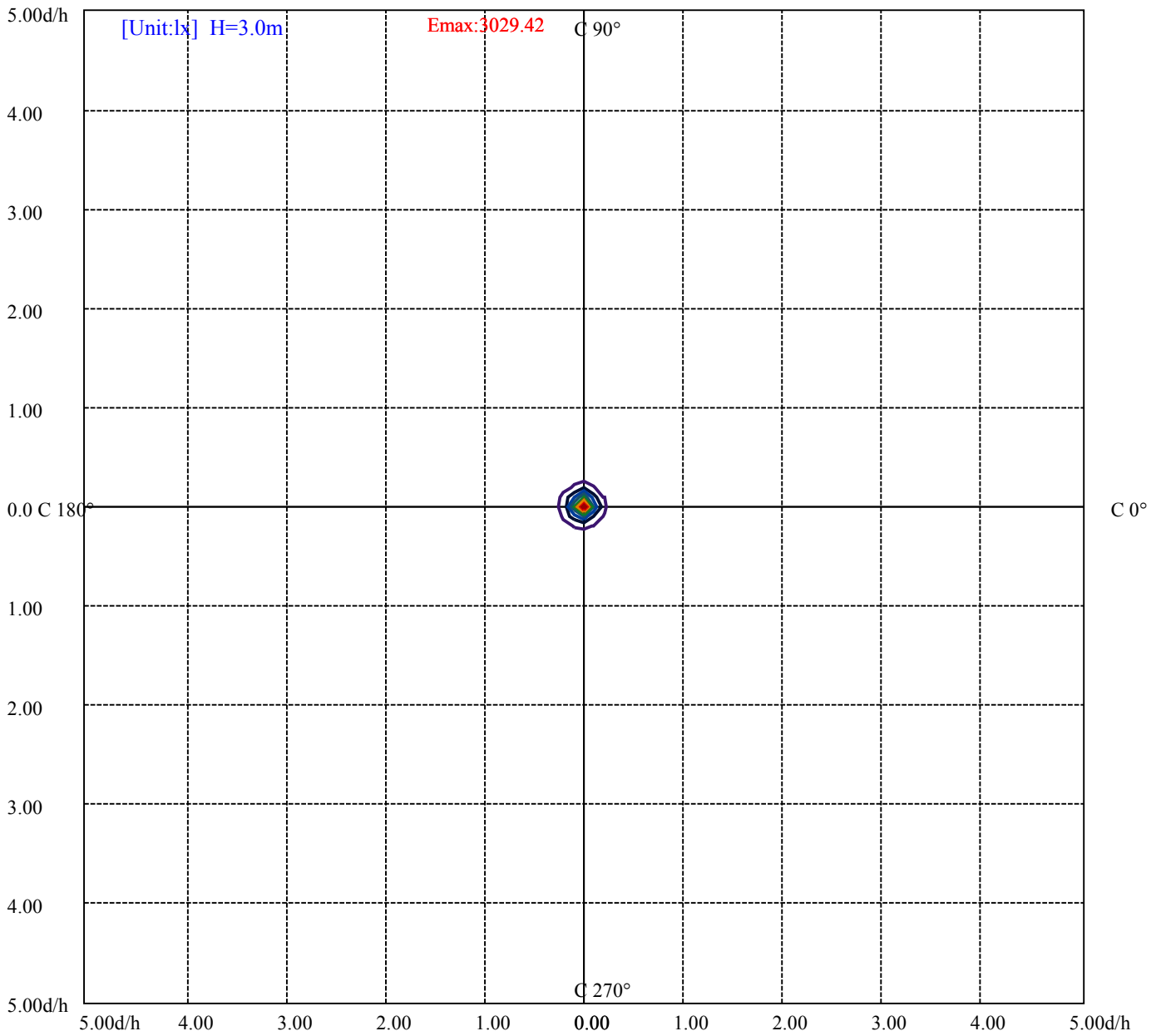


C120(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave C120面光束角11.81

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 302.9411
- (20%Emax) 605.8811
- (30%Emax) 908.8222
- (40%Emax) 1211.767
- (50%Emax) 1514.7
- (60%Emax) 1817.644
- (70%Emax) 2120.589
- (80%Emax) 2423.522
- (90%Emax) 2726.467

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/16  
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

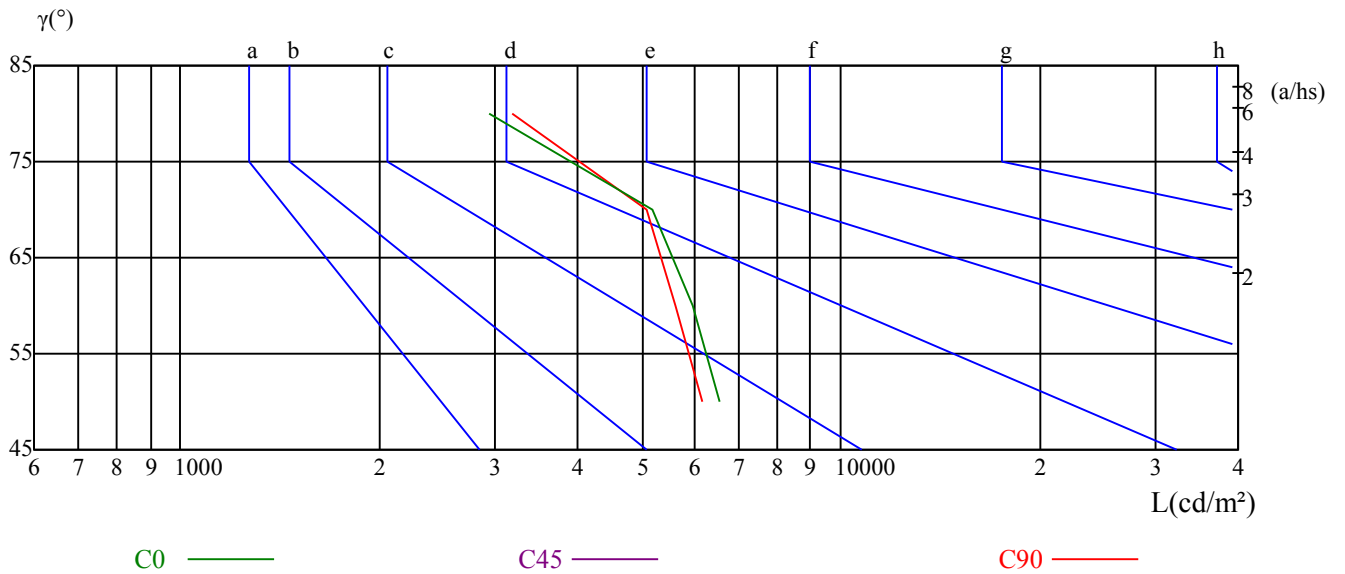
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6554	0	5973	0	5177	0	2926	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6184	0	5620	0	5072	0	3183	0

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



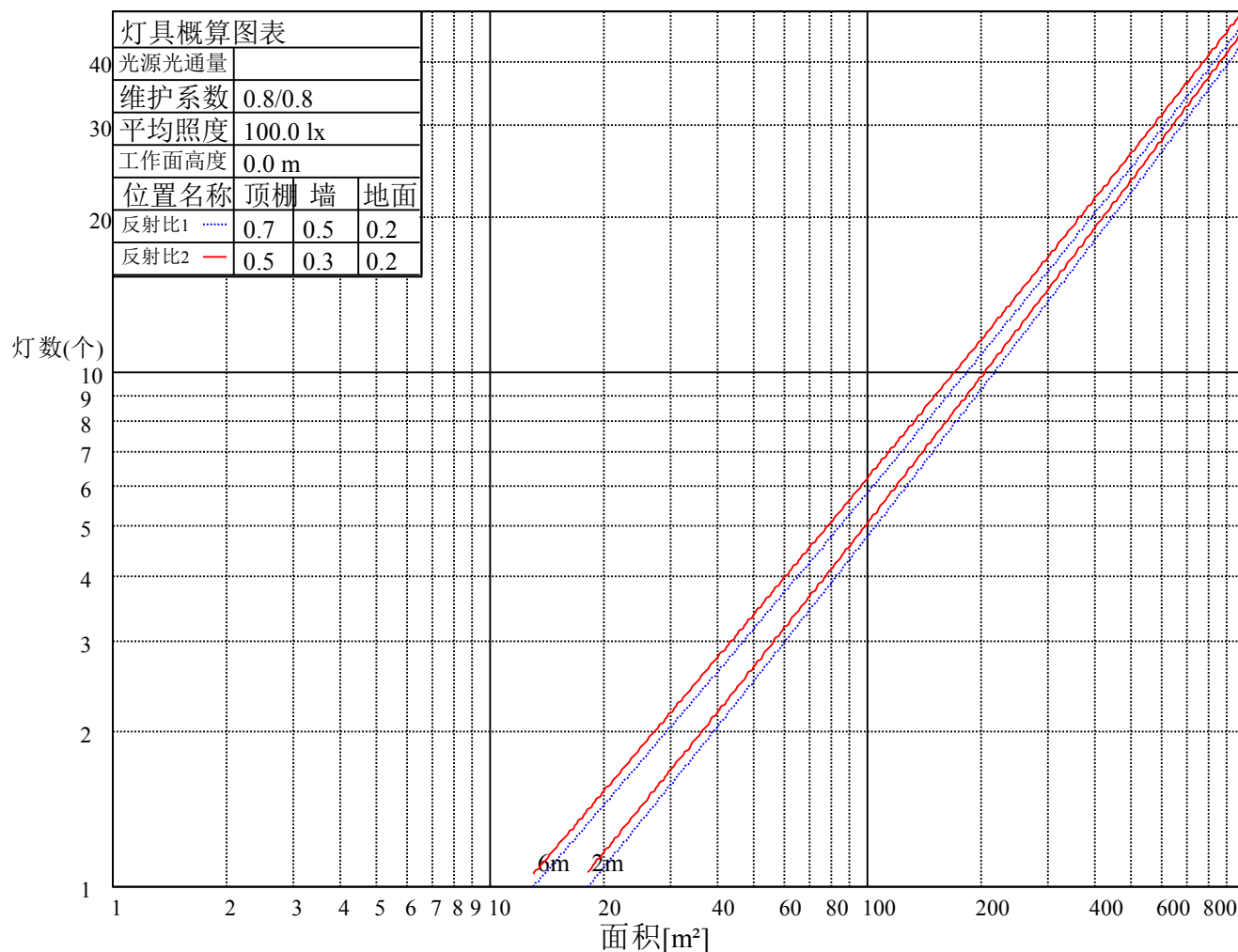
测试设备: GMS1800  
环境温度( $^{\circ}\text{C}$ ): 25.0

测试日期: 2021/3/16  
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	11.30	12.38	11.66	12.69	13.01	11.48	12.56	11.84	12.87	13.19
	3H	12.89	13.85	13.28	14.19	14.55	13.08	14.04	13.46	14.37	14.74
	4H	13.40	14.29	13.81	14.65	15.03	13.58	14.47	13.99	14.82	15.21
	6H	13.65	14.46	14.06	14.84	15.23	13.82	14.64	14.24	15.01	15.41
	8H	13.67	14.44	14.10	14.83	15.24	13.84	14.61	14.28	15.00	15.41
	12H	13.66	14.39	14.09	14.78	15.21	13.83	14.57	14.27	14.95	15.38
4H	2H	11.87	12.76	12.28	13.11	13.50	12.01	12.90	12.42	13.25	13.64
	3H	13.68	14.41	14.10	14.82	15.23	13.80	14.53	14.22	14.94	15.34
	4H	14.30	14.95	14.74	15.38	15.82	14.40	15.05	14.83	15.47	15.92
	6H	14.57	15.13	15.04	15.58	16.05	14.66	15.22	15.13	15.67	16.14
	8H	14.60	15.12	15.08	15.57	16.05	14.69	15.21	15.16	15.66	16.13
	12H	14.59	15.04	15.08	15.53	16.01	14.67	15.13	15.16	15.61	16.09
8H	4H	14.49	15.01	14.96	15.46	15.93	14.57	15.09	15.05	15.54	16.02
	6H	14.84	15.26	15.35	15.76	16.24	14.89	15.31	15.40	15.81	16.29
	8H	14.91	15.28	15.44	15.80	16.29	14.95	15.32	15.48	15.84	16.33
	12H	15.50	15.81	16.02	16.31	16.89	15.55	15.86	16.07	16.36	16.94
12H	4H	14.46	14.91	14.95	15.40	15.87	14.55	15.00	15.04	15.49	15.96
	6H	15.18	15.20	15.36	15.67	16.22	15.23	15.25	15.42	15.72	16.27
	8H	14.92	15.24	15.44	15.74	16.32	14.96	15.28	15.48	15.78	16.36
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.2/-0.4					
S = 1.5H	0.7/-0.8					0.8/-0.7					
S = 2.0H	1.4/-1.0					1.4/-1.0					
标准表格	BK3					BK3					
更正系数	-0.2					-0.2					

# 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	1.04	1.01	0.97	1.03	0.99	0.96	0.99	0.97	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.89
3	0.99	0.94	0.90	0.97	0.93	0.90	0.95	0.91	0.88	0.92	0.89	0.87	0.90	0.88	0.86	0.84
4	0.94	0.89	0.85	0.93	0.88	0.85	0.90	0.87	0.84	0.89	0.85	0.83	0.87	0.84	0.82	0.80
5	0.89	0.84	0.81	0.89	0.84	0.80	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	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.77	0.73	0.71	0.70
9	0.77	0.73	0.70	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.75	0.71	0.69	0.68
10	0.75	0.71	0.68	0.75	0.70	0.68	0.74	0.70	0.67	0.73	0.70	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	27403.00	23335.90	16383.48	9837.76	6208.07	4120.81	2952.10	2226.16	1721.99
30.0	27272.54	24333.49	17319.68	10720.24	6499.67	4358.70	3124.76	2366.59	1799.50
60.0	27257.20	24509.99	15082.78	10968.11	6790.51	4456.15	3242.16	2411.86	1837.10
90.0	27073.03	26136.83	20281.75	12807.51	7926.99	5041.66	3890.60	2635.17	1989.81
120.0	27418.34	26144.50	19767.61	12610.29	7623.88	5062.38	3594.39	2700.40	2050.43
150.0	27119.07	26789.10	20926.34	13659.29	8556.24	5394.65	3898.27	2905.29	2237.67
180.0	27403.00	25446.19	18923.49	12431.49	7661.48	5080.80	3705.66	2751.04	2117.96
210.0	27272.54	24556.03	16667.41	11611.17	7316.16	4972.60	3521.49	2672.77	2022.04
240.0	27257.20	24279.78	17411.76	10866.04	6998.47	4696.34	3377.22	2546.92	1962.95
270.0	27073.03	22476.44	14984.55	9169.38	5934.12	4063.26	2988.93	2257.62	1741.18
300.0	27418.34	22821.76	15332.17	9446.40	5947.16	4090.11	2982.02	2299.83	1761.90
330.0	27119.07	21816.50	14527.20	8735.81	5498.25	3773.19	2830.85	2148.65	1595.37
360.0	27403.00	23335.90	16383.48	9837.76	6208.07	4120.81	2952.10	2226.16	1721.99
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1324.49	1040.56	831.84	666.08	547.14	453.52	389.06	335.80	295.67
30.0	1390.49	1095.81	861.76	689.87	559.42	466.56	392.13	339.10	294.60
60.0	1426.78	1120.22	879.11	701.15	572.85	471.32	395.35	337.19	294.75
90.0	1550.10	1200.18	938.50	746.66	609.30	499.56	420.52	357.44	307.18
120.0	1527.77	1245.60	973.26	772.82	620.73	512.84	426.97	364.12	313.24
150.0	1720.46	1327.56	1045.93	825.70	660.71	536.40	448.15	389.83	327.36
180.0	1518.18	1275.15	1001.04	806.05	647.90	528.11	441.47	370.26	317.54
210.0	1514.65	1237.85	967.05	779.81	629.63	513.22	428.27	365.42	313.17
240.0	1500.22	1183.29	926.99	734.38	596.25	494.19	411.31	351.61	305.88
270.0	1354.73	1069.88	838.44	672.14	552.66	454.90	383.07	327.67	285.08
300.0	1371.30	1073.56	841.04	668.38	549.44	451.98	389.06	329.89	287.23
330.0	1295.48	1012.25	805.05	645.90	527.88	436.64	373.25	322.14	281.63
360.0	1324.49	1040.56	831.84	666.08	547.14	453.52	389.06	335.80	295.67
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	262.37	237.27	216.71	200.21	185.24	172.20	161.76	152.09	142.27
30.0	260.60	235.05	213.33	195.53	180.33	167.90	157.39	148.41	139.82
60.0	260.22	234.43	212.56	194.84	179.72	167.44	157.08	147.95	140.20
90.0	269.81	238.81	214.02	194.22	178.49	164.30	152.78	143.50	134.37
120.0	274.34	243.80	220.16	201.97	185.63	172.20	160.92	151.33	142.66
150.0	285.62	253.23	227.68	207.88	190.69	175.88	164.53	154.47	145.34
180.0	278.33	249.93	227.14	209.42	192.84	177.11	163.45	151.56	140.51
210.0	274.64	246.17	221.54	201.82	184.78	171.20	159.69	150.18	140.97
240.0	268.27	241.11	216.48	198.37	182.41	169.36	158.23	148.95	140.81
270.0	251.01	225.07	202.66	184.78	169.44	157.16	147.11	137.97	129.76
300.0	255.38	228.68	208.73	191.08	176.96	164.45	154.17	145.95	137.90
330.0	252.47	227.60	207.96	190.31	176.57	164.45	155.09	146.26	137.74
360.0	262.37	237.27	216.71	200.21	185.24	172.20	161.76	152.09	142.27
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	133.29	125.62	117.02	107.82	99.30	88.86	79.50	72.06	63.92
30.0	131.84	124.16	115.95	107.82	99.45	90.86	81.88	72.67	64.84
60.0	132.53	125.24	117.64	109.35	101.06	92.16	83.26	73.67	65.30
90.0	125.77	117.41	109.66	101.45	93.16	84.26	75.66	68.99	62.62
120.0	135.44	127.84	120.02	111.96	103.52	94.77	85.64	76.51	67.91
150.0	136.98	129.76	121.94	113.65	104.29	94.85	86.87	77.04	65.46
180.0	132.22	125.08	116.03	105.21	97.38	89.55	77.58	71.21	62.69
210.0	132.91	125.62	117.49	109.12	100.60	92.09	83.34	74.74	66.22
240.0	133.06	125.93	117.95	110.12	102.14	92.93	84.10	74.82	65.53
270.0	121.78	114.03	105.44	97.38	88.40	79.12	71.21	64.69	58.55
300.0	130.45	123.47	115.87	107.74	99.68	90.93	81.88	72.59	64.31
330.0	130.45	122.86	114.34	106.20	98.22	88.86	79.88	70.75	62.69
360.0	133.29	125.62	117.02	107.82	99.30	88.86	79.50	72.06	63.92

# 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	54.41	43.13	35.22	26.32	18.34	8.44	2.76	1.69	0.61
30.0	57.55	48.88	35.84	26.55	19.11	10.97	2.99	1.61	0.54
60.0	58.55	49.73	37.14	26.86	20.34	11.20	4.14	1.69	0.61
90.0	55.79	45.51	35.84	29.47	19.95	12.12	3.38	2.23	0.92
120.0	61.47	53.56	40.90	29.47	23.33	13.89	5.45	1.76	0.77
150.0	57.02	48.04	37.37	22.64	14.96	12.05	5.22	1.30	0.77
180.0	55.56	44.89	36.68	30.00	19.72	10.82	2.38	1.76	0.77
210.0	59.32	50.57	37.06	27.40	19.88	12.05	3.84	1.53	0.61
240.0	58.24	50.03	37.22	27.40	20.87	10.97	3.53	1.46	0.61
270.0	50.57	39.21	31.54	24.17	15.88	7.37	2.38	1.46	0.46
300.0	57.48	48.34	34.92	26.01	17.80	8.67	2.23	1.30	0.46
330.0	55.56	44.51	31.77	24.63	16.27	7.52	2.15	1.15	0.46
360.0	54.41	43.13	35.22	26.32	18.34	8.44	2.76	1.69	0.61

C/γ(°)	90.0
0.0	0.31
30.0	0.23
60.0	0.23
90.0	0.38
120.0	0.31
150.0	0.38
180.0	0.46
210.0	0.31
240.0	0.23
270.0	0.15
300.0	0.23
330.0	0.08
360.0	0.31