

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 (20-OL-18WN-AJ, CT)

报告编号:

电压(V): 220.5000

测试编号: 20210318012

电流(A): 0.0980

光源规格型号: OL

功率(W): 20.3000

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): 1939.45

灯具效能(lm/w): 95.54

中心光强(cd): 8431.928

最大光强(cd): 8440.369

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=21.3

[C90/270]Total=21.2

光束扩散角(10%Imax): [C0/180]Total=43.2

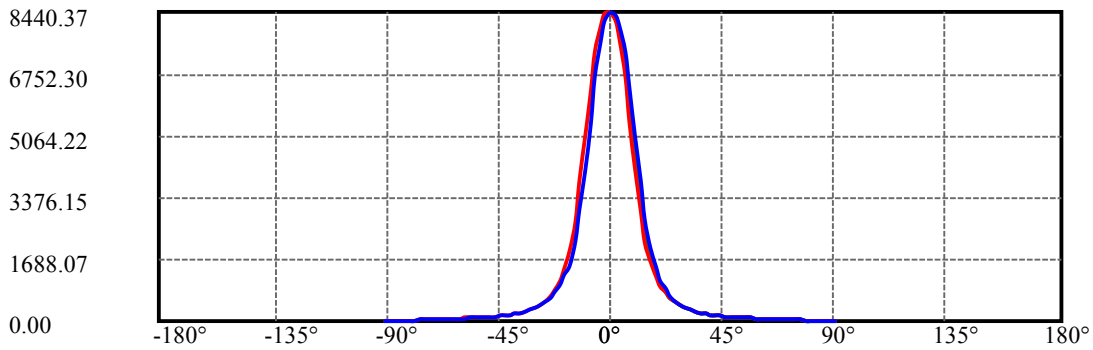
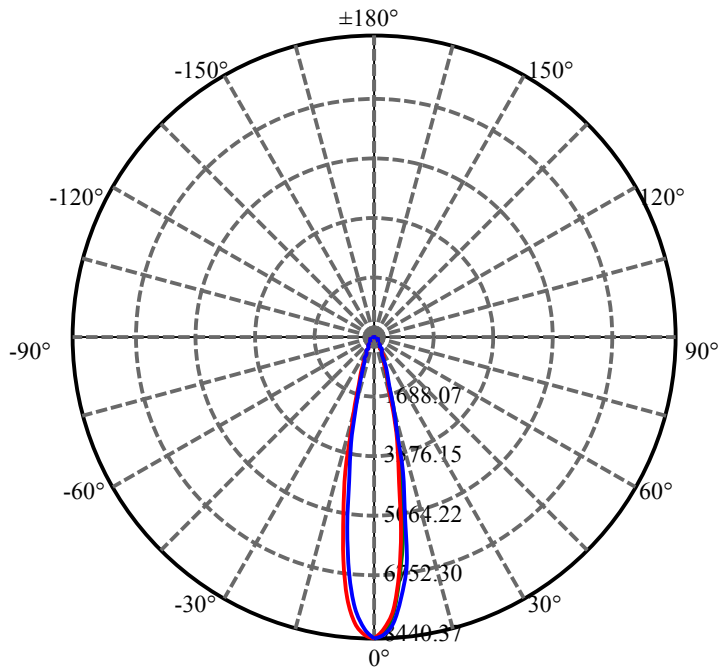
[C90/270]Total=43.6

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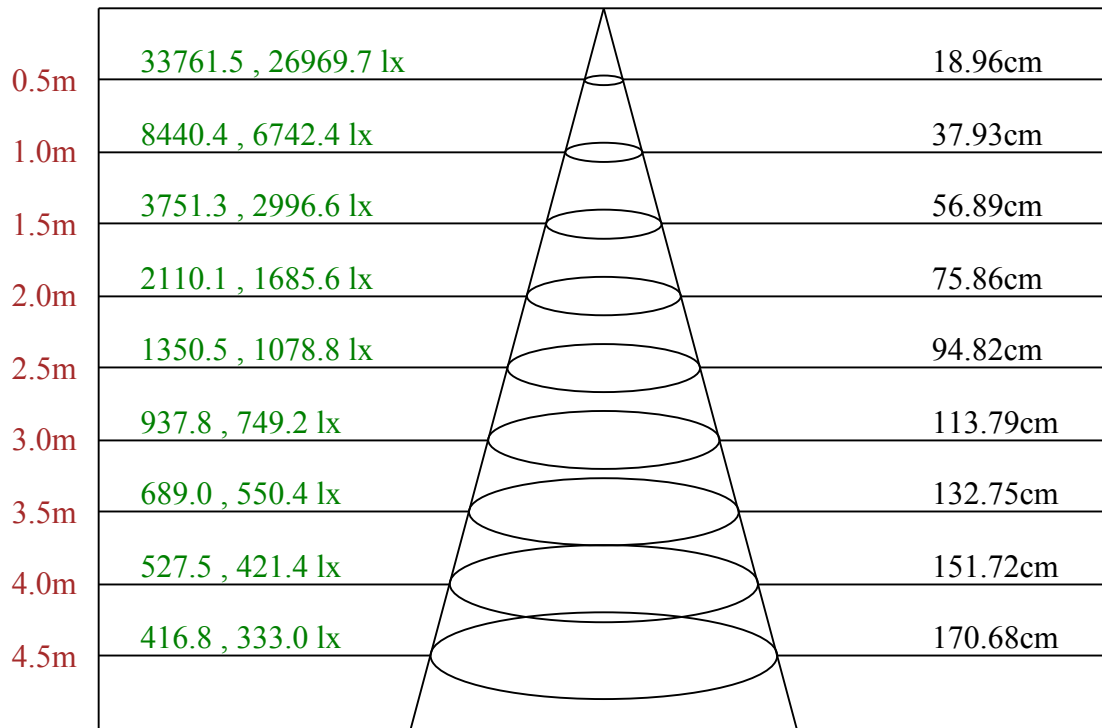
测试设备: GMS1800  
环境温度(°C): 25.0

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

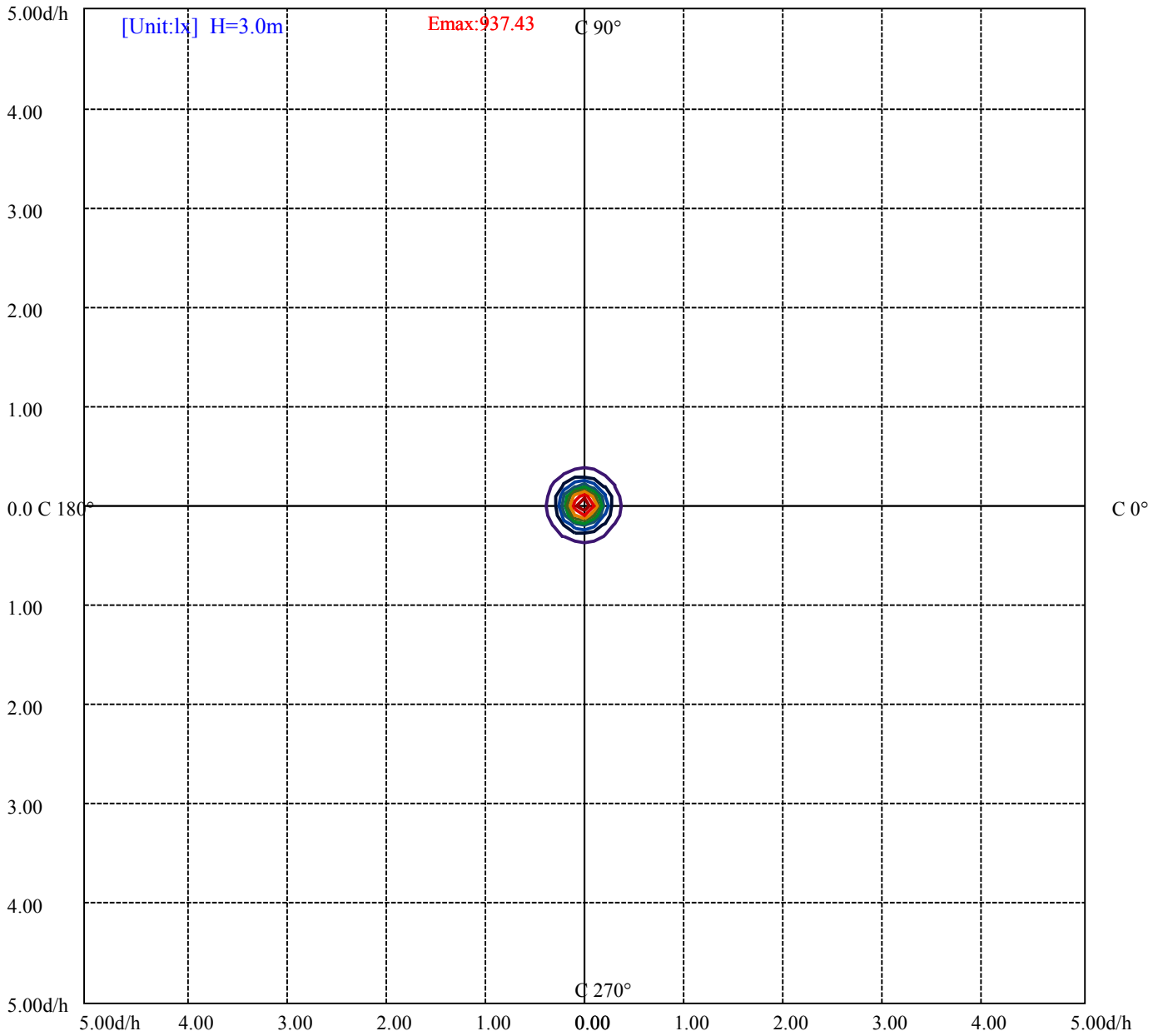


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角21.48

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 93.74333
- (20%Emax) 187.4867
- (30%Emax) 281.23
- (40%Emax) 374.9733
- (50%Emax) 468.7167
- (60%Emax) 562.46
- (70%Emax) 656.2034
- (80%Emax) 749.9467
- (90%Emax) 843.69

测试设备: GMS1800  
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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

# 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8页

亮度值表

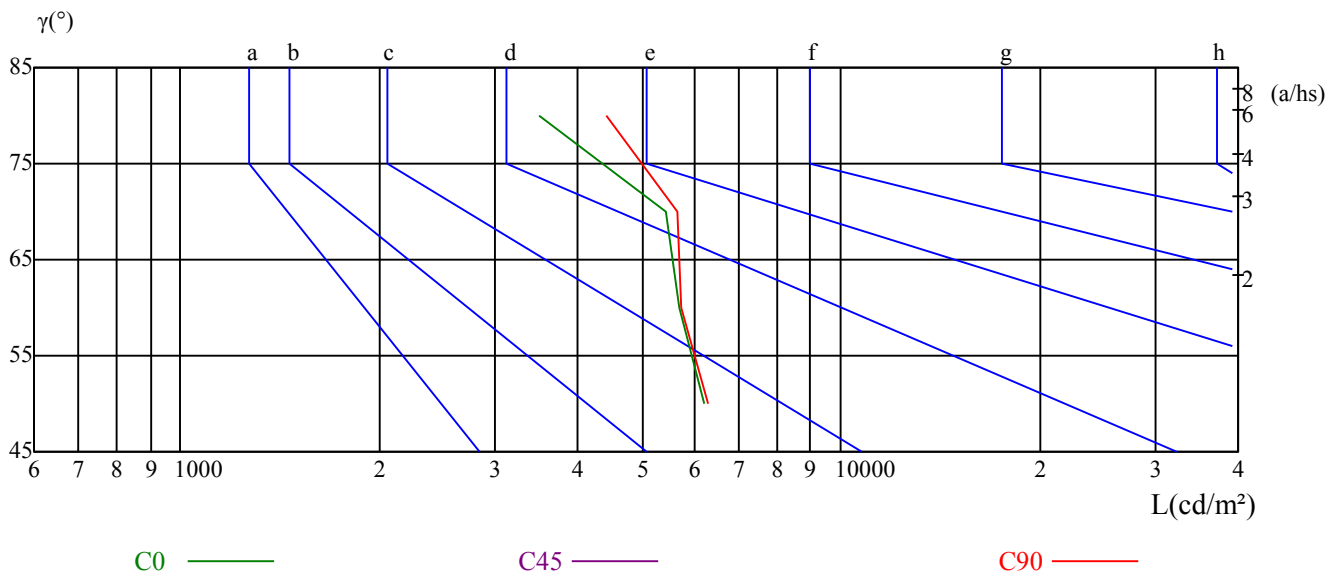
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6212	0	5701	0	5425	0	3487	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6296	0	5737	0	5644	0	4419	0

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: 2021/3/18  
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	11.74	12.83	12.11	13.14	13.45	11.75	12.84	12.12	13.15	13.47
	3H	13.65	14.61	14.03	14.94	15.31	13.62	14.58	14.00	14.91	15.28
	4H	14.32	15.22	14.73	15.57	15.96	14.27	15.17	14.68	15.52	15.91
	6H	14.72	15.54	15.14	15.92	16.31	14.65	15.47	15.07	15.85	16.24
	8H	14.80	15.57	15.23	15.96	16.37	14.72	15.49	15.16	15.89	16.30
	12H	14.83	15.57	15.27	15.95	16.38	14.76	15.49	15.19	15.88	16.31
4H	2H	12.30	13.19	12.70	13.54	13.93	12.31	13.20	12.71	13.55	13.94
	3H	14.41	15.14	14.82	15.55	15.95	14.38	15.11	14.79	15.52	15.93
	4H	15.19	15.84	15.62	16.26	16.71	15.14	15.79	15.58	16.22	16.66
	6H	15.60	16.16	16.07	16.61	17.08	15.53	16.09	16.00	16.54	17.01
	8H	15.70	16.22	16.17	16.67	17.14	15.62	16.14	16.09	16.59	17.07
	12H	15.73	16.19	16.22	16.67	17.15	15.65	16.10	16.14	16.59	17.07
8H	4H	15.40	15.92	15.87	16.37	16.85	15.36	15.88	15.83	16.33	16.80
	6H	15.92	16.33	16.42	16.83	17.32	15.83	16.25	16.34	16.75	17.23
	8H	16.06	16.43	16.59	16.95	17.44	15.96	16.33	16.49	16.85	17.34
	12H	16.62	16.94	17.14	17.43	18.01	16.52	16.84	17.04	17.34	17.92
12H	4H	15.38	15.84	15.87	16.32	16.80	15.34	15.80	15.83	16.29	16.76
	6H	16.27	16.29	16.45	16.76	17.31	16.20	16.21	16.37	16.68	17.23
	8H	16.09	16.41	16.61	16.91	17.49	16.00	16.31	16.52	16.81	17.39
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.3/-0.5					
S = 1.5H	0.9/-0.7					0.9/-0.8					
S = 2.0H	1.6/-0.8					1.6/-0.8					
标准表格	BK3					BK3					
更正系数	-0.2					-0.4					

# ROLED 地埋灯

光强数据表(cd)

附页 第7页 共8页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	8431.93	8199.41	7634.62	6633.20	5457.58	4144.60	2988.93	2170.14	1599.98
30.0	8440.37	8270.78	7749.73	6877.22	5697.77	4455.39	3282.83	2355.08	1729.67
60.0	8433.46	8250.06	7780.43	6944.75	5805.97	4488.38	3297.41	2352.77	1735.04
90.0	8427.32	8361.33	8010.64	7340.72	6379.96	5040.13	3849.93	2772.53	2008.22
120.0	8431.16	8355.19	8002.96	7377.55	6341.60	5066.22	3855.30	2752.58	1990.57
150.0	8418.11	8401.23	8106.56	7532.56	6581.02	5400.02	4108.53	2960.54	2127.17
180.0	8431.93	8362.10	8006.03	7363.74	6314.74	5037.06	3836.88	2737.23	1943.76
210.0	8440.37	8329.87	7930.06	7151.94	6033.88	4770.78	3535.30	2542.32	1816.38
240.0	8433.46	8318.36	7861.00	7023.03	5957.14	4662.58	3483.12	2521.60	1820.22
270.0	8427.32	8198.65	7617.74	6643.17	5398.49	4078.60	3028.07	2196.23	1519.79
300.0	8431.16	8202.48	7629.25	6636.27	5472.16	4171.46	3020.39	2193.16	1616.09
330.0	8418.11	8118.84	7409.78	6414.50	5144.49	3912.08	2841.59	2060.40	1529.30
360.0	8431.93	8199.41	7634.62	6633.20	5457.58	4144.60	2988.93	2170.14	1599.98
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1228.57	961.52	767.38	611.60	499.56	414.38	343.40	289.30	245.64
30.0	1296.87	996.82	779.65	628.48	508.77	416.69	349.77	293.21	250.32
60.0	1309.60	1004.11	795.92	632.32	509.84	417.45	349.08	291.83	249.40
90.0	1467.99	1121.90	865.60	682.20	545.60	443.54	390.59	306.49	260.52
120.0	1439.21	1097.42	845.65	671.30	535.17	434.87	362.20	300.96	253.92
150.0	1533.22	1141.09	870.97	690.64	548.67	448.15	389.83	307.33	258.38
180.0	1429.24	1090.44	842.12	671.99	536.17	436.41	362.82	300.12	255.23
210.0	1378.28	1051.23	823.32	651.66	525.81	427.97	357.83	299.66	253.08
240.0	1364.39	1051.31	821.09	649.20	531.79	434.33	382.77	303.96	257.22
270.0	1257.27	981.09	781.73	627.10	511.23	417.84	349.08	292.91	248.32
300.0	1241.61	973.80	778.12	619.27	505.70	415.15	347.31	291.99	247.40
330.0	1186.44	927.07	729.16	593.87	484.60	401.11	333.42	280.78	238.27
360.0	1228.57	961.52	767.38	611.60	499.56	414.38	343.40	289.30	245.64
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	212.87	186.09	164.91	146.26	131.84	119.79	110.35	102.21	95.00
30.0	215.79	187.93	165.37	148.33	132.99	120.71	110.73	102.21	94.69
60.0	214.79	187.24	164.91	147.87	132.91	120.55	110.58	102.14	94.85
90.0	223.15	193.53	169.74	151.33	135.44	122.40	112.34	103.60	96.38
120.0	217.32	189.47	166.06	148.10	132.37	119.40	109.04	100.30	93.16
150.0	223.15	192.92	168.67	149.72	133.60	121.40	109.81	101.60	94.00
180.0	219.16	191.92	168.67	150.02	134.83	122.24	112.04	103.60	96.84
210.0	219.70	191.46	168.82	150.41	134.98	122.09	111.88	103.75	96.15
240.0	220.85	194.53	170.59	151.33	136.29	123.24	112.50	103.90	96.77
270.0	216.71	189.16	165.91	148.26	133.14	120.55	110.73	103.06	95.54
300.0	213.71	186.32	163.14	144.42	130.38	117.72	107.59	99.22	91.55
330.0	206.88	180.26	157.77	141.27	126.77	114.57	105.05	96.92	89.71
360.0	212.87	186.09	164.91	146.26	131.84	119.79	110.35	102.21	95.00
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	89.25	83.57	78.04	72.98	68.14	63.00	58.24	53.18	47.50
30.0	88.02	82.49	77.04	71.90	67.07	62.08	57.48	52.10	47.12
60.0	88.17	82.65	77.20	72.21	67.30	62.54	57.63	52.64	47.65
90.0	89.86	83.95	78.50	73.44	68.68	63.85	59.16	54.33	49.42
120.0	86.56	81.03	75.74	70.68	65.99	61.39	57.02	52.41	48.04
150.0	87.40	81.42	75.97	71.44	66.68	62.00	57.40	53.03	48.42
180.0	90.47	84.87	79.42	74.21	67.61	61.70	57.32	51.34	46.81
210.0	89.71	83.64	78.04	73.05	68.45	63.46	58.78	53.95	48.65
240.0	89.78	83.80	78.20	72.98	68.14	63.00	58.55	53.49	48.19
270.0	89.25	83.26	77.58	72.44	67.76	62.54	57.63	52.57	46.96
300.0	84.80	79.42	73.98	68.83	64.15	59.32	54.64	49.96	44.97
330.0	83.80	77.97	72.52	67.61	63.00	58.09	53.49	48.96	43.66
360.0	89.25	83.57	78.04	72.98	68.14	63.00	58.24	53.18	47.50

# ROLED 地理灯

## 光强数据表(cd)

附页 第 8页 共8页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	41.05	34.22	27.78	21.41	15.50	8.82	3.30	0.61	0.31
30.0	41.05	34.69	28.39	21.95	16.35	9.52	4.07	0.61	0.38
60.0	41.75	35.45	29.16	22.71	16.81	10.21	5.29	0.61	0.38
90.0	43.97	37.83	31.62	25.40	19.64	12.82	7.21	1.84	0.46
120.0	42.90	36.83	30.54	24.40	18.72	12.58	7.06	2.30	0.38
150.0	43.36	37.99	30.16	21.26	14.04	11.97	7.29	2.53	0.46
180.0	42.05	36.45	30.23	24.17	18.57	12.12	6.75	1.84	0.46
210.0	43.28	36.53	30.54	23.87	18.03	11.13	6.06	1.00	0.38
240.0	42.36	35.91	29.47	23.25	17.34	10.36	5.22	0.77	0.46
270.0	40.67	34.15	27.86	21.56	15.12	8.82	3.38	0.54	0.38
300.0	38.91	32.77	26.32	20.41	14.66	8.21	2.84	0.54	0.31
330.0	37.75	31.23	24.86	19.18	12.51	7.44	2.46	0.46	0.31
360.0	41.05	34.22	27.78	21.41	15.50	8.82	3.30	0.61	0.31

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