

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(20-OL-24WN-AA, P1)

报告编号:

电压(V): 220.5000

测试编号: 20210317001

电流(A): 0.1550

光源规格型号: OL

功率(W): 31.6000

每个光源光通量(lm)

功率因数: 0.9230

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): 2630.36

灯具效能(lm/w): 83.24

中心光强(cd): 11540.570

最大光强(cd): 11570.500

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=21.0

[C90/270]Total=21.3

光束扩散角(10%Imax): [C0/180]Total=43.3

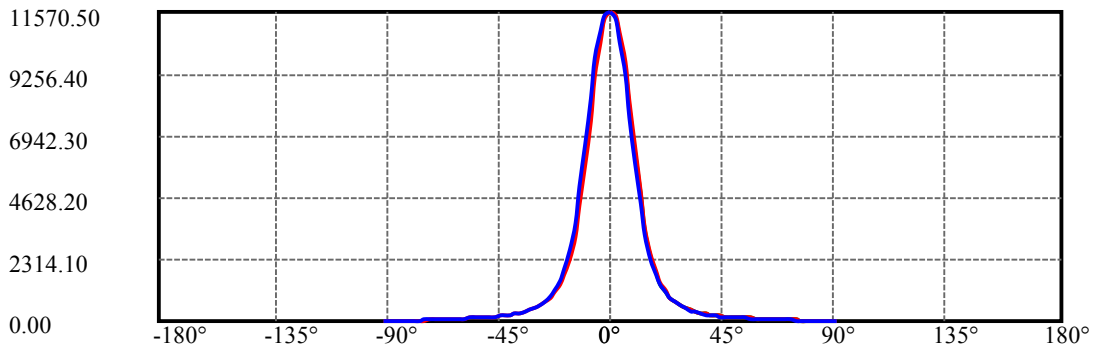
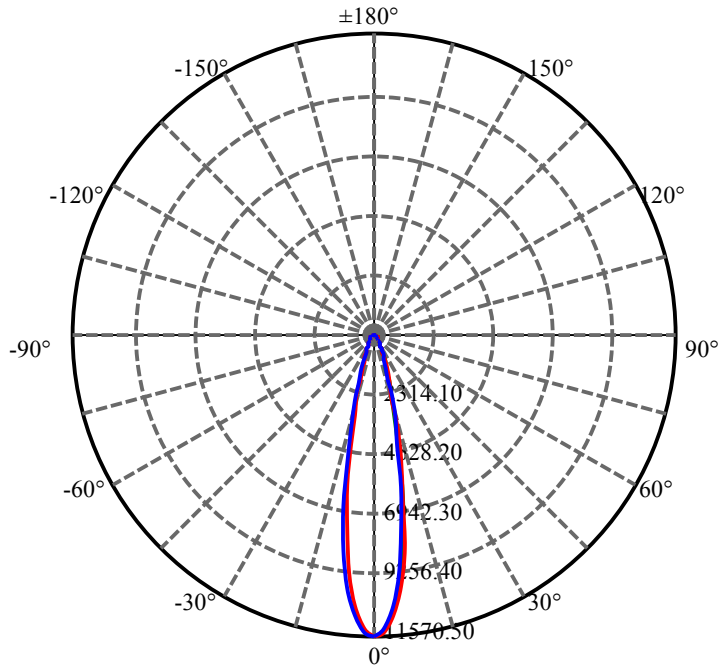
[C90/270]Total=43.3

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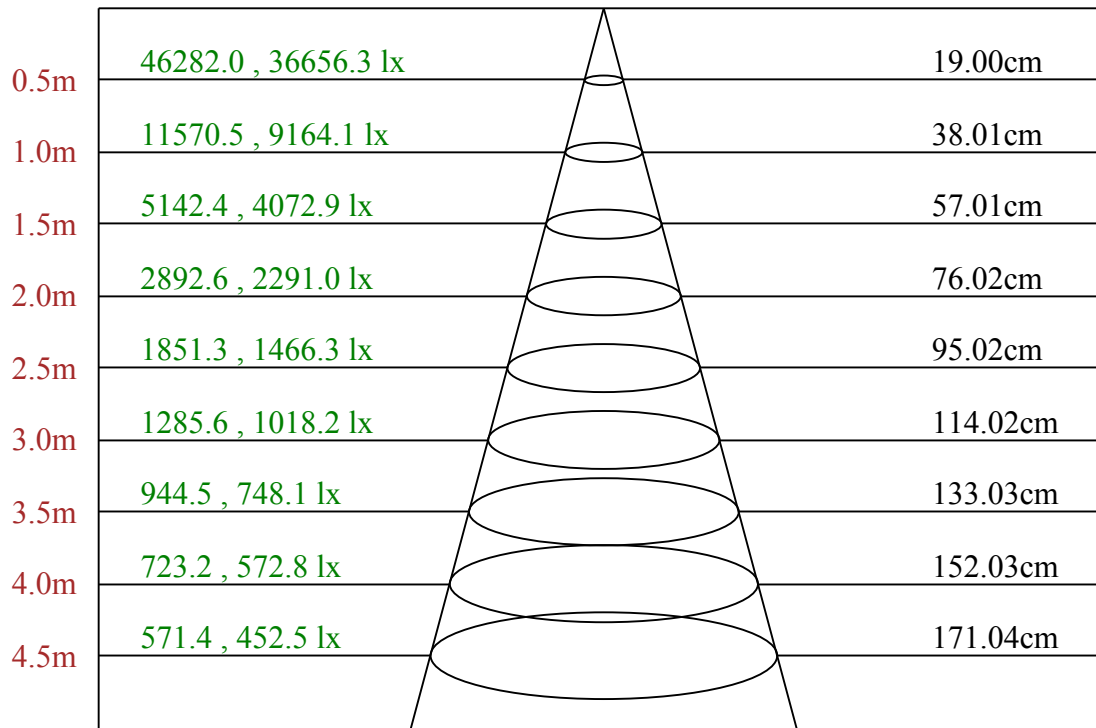
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/17  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

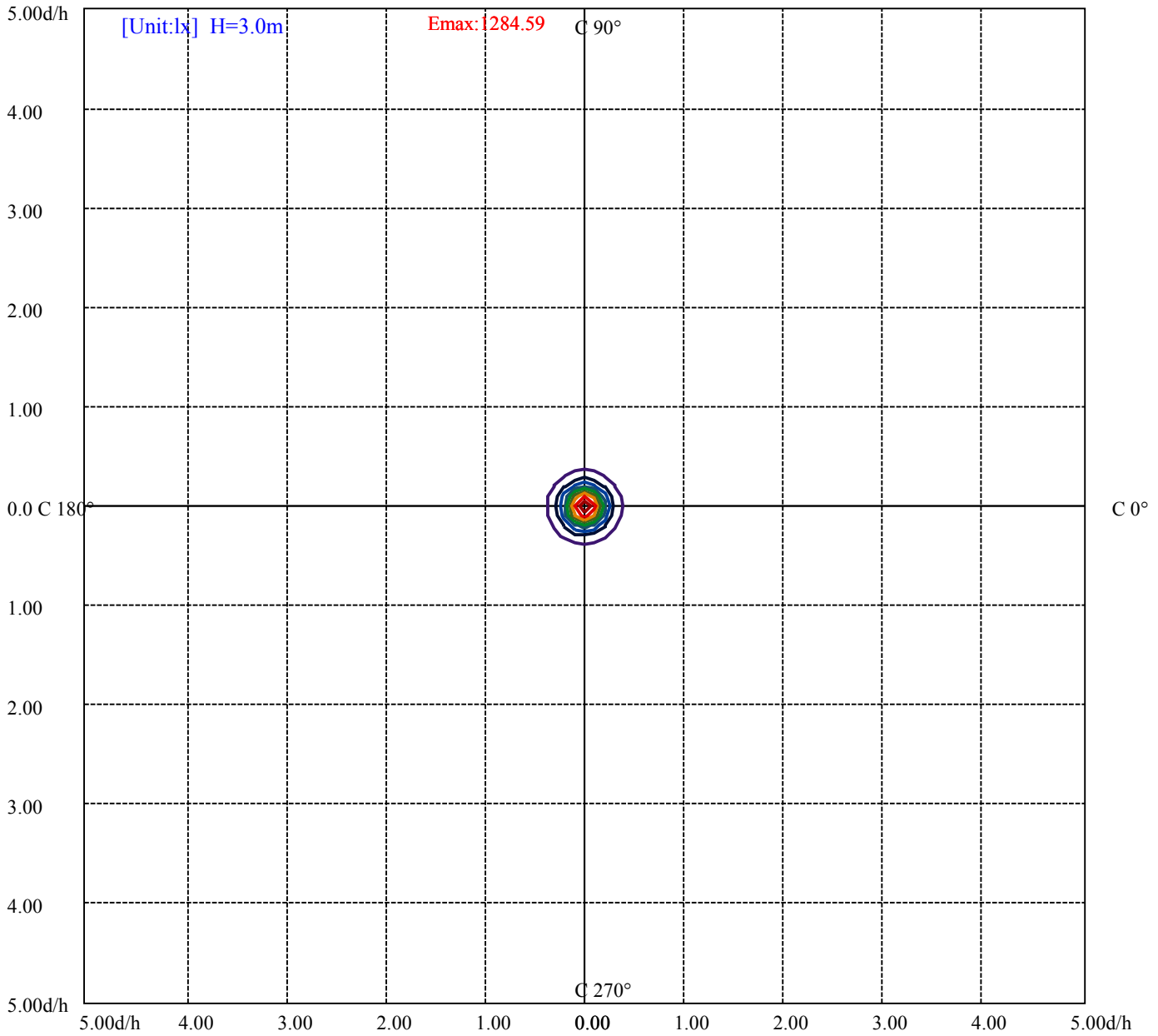


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角21.52

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 128.4589
- (20%Emax) 256.9167
- (30%Emax) 385.3755
- (40%Emax) 513.8333
- (50%Emax) 642.2922
- (60%Emax) 770.7511
- (70%Emax) 899.2089
- (80%Emax) 1027.668
- (90%Emax) 1156.122

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/17  
环境湿度(%): 60.0%

测试人员: anpeilou  
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# ROLED 地埋灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

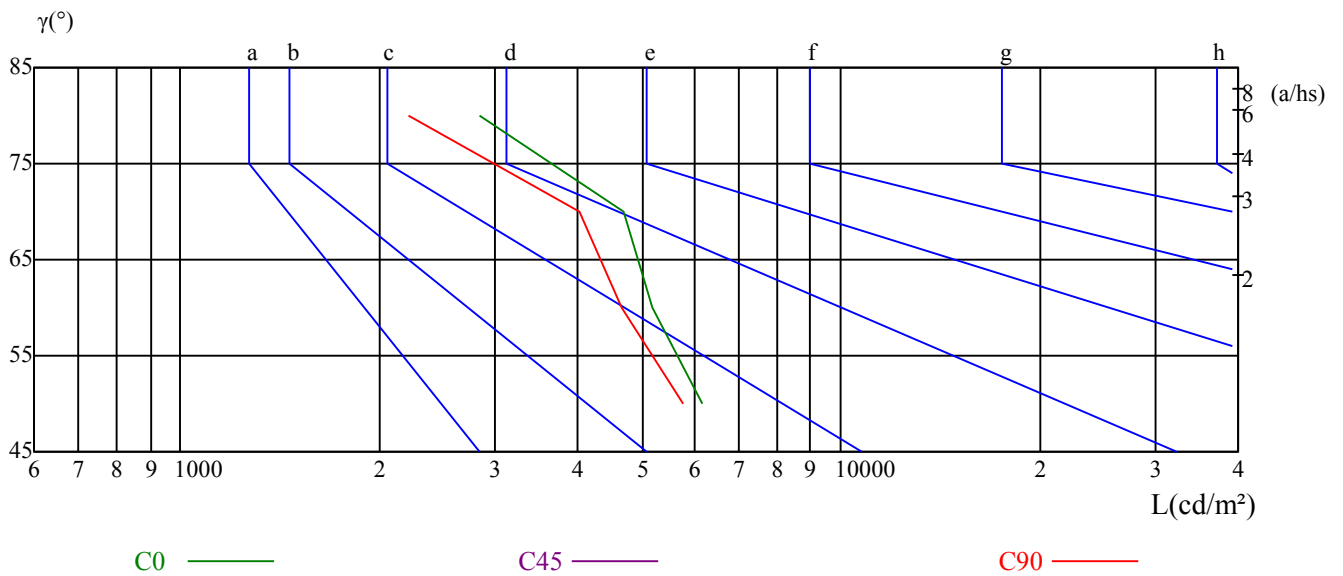
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6171	0	5170	0	4680	0	2840	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5761	0	4672	0	4034	0	2216	0

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	10.40	11.48	10.77	11.79	12.11	10.60	11.67	10.96	11.98	12.30
	3H	11.85	12.80	12.23	13.13	13.50	12.12	13.07	12.50	13.40	13.77
	4H	12.31	13.19	12.72	13.55	13.93	12.58	13.47	12.99	13.82	14.21
	6H	12.53	13.34	12.95	13.71	14.11	12.80	13.61	13.22	13.98	14.38
	8H	12.55	13.31	12.98	13.70	14.11	12.82	13.58	13.25	13.97	14.38
	12H	12.53	13.26	12.97	13.64	14.07	12.80	13.53	13.24	13.91	14.34
4H	2H	10.93	11.81	11.34	12.17	12.55	11.08	11.97	11.49	12.32	12.71
	3H	12.59	13.32	13.01	13.72	14.13	12.80	13.52	13.21	13.93	14.33
	4H	13.16	13.80	13.60	14.23	14.67	13.36	14.01	13.80	14.43	14.88
	6H	13.40	13.96	13.87	14.41	14.88	13.61	14.16	14.08	14.61	15.08
	8H	13.43	13.94	13.90	14.39	14.87	13.63	14.15	14.11	14.60	15.07
	12H	13.41	13.86	13.90	14.35	14.82	13.62	14.06	14.11	14.55	15.03
8H	4H	13.33	13.85	13.81	14.30	14.77	13.52	14.03	13.99	14.48	14.96
	6H	13.66	14.07	14.17	14.57	15.05	13.84	14.25	14.35	14.75	15.23
	8H	13.71	14.08	14.25	14.60	15.09	13.89	14.26	14.42	14.78	15.27
	12H	14.30	14.61	14.82	15.11	15.69	14.48	14.79	15.00	15.29	15.87
12H	4H	13.31	13.76	13.80	14.24	14.72	13.49	13.94	13.98	14.43	14.90
	6H	13.99	14.01	14.18	14.48	15.03	14.17	14.19	14.36	14.66	15.21
	8H	13.73	14.04	14.25	14.54	15.12	13.90	14.22	14.42	14.72	15.29
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.3/-0.5					
S = 1.5H	0.9/-1.1					0.9/-0.9					
S = 2.0H	2.2/-1.4					2.1/-1.1					
标准表格	BK3					BK3					
更正系数	-1.3					-0.9					

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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	11540.57	11394.77	10775.49	9728.03	8263.87	6519.63	4816.05	3536.07	2529.27
30.0	11570.50	11333.38	10648.11	9496.28	8042.10	6317.04	4720.90	3460.10	2477.09
60.0	11552.08	11206.76	10342.69	9034.32	7428.20	5680.88	4165.32	2980.49	2214.65
90.0	11566.66	11268.15	10443.22	9169.38	7638.46	5914.93	4384.02	3209.17	2315.17
120.0	11552.85	11200.62	10313.53	8966.02	7343.02	5604.91	4114.67	3003.51	2200.83
150.0	11555.92	11307.29	10571.37	9263.00	7737.45	6013.16	4552.84	3299.72	2384.24
180.0	11540.57	11264.31	10447.82	9160.93	7486.52	5840.50	4321.09	3160.82	2308.27
210.0	11570.50	11370.98	10641.97	9505.49	7959.99	6229.56	4737.01	3452.42	2491.67
240.0	11552.08	11475.34	10921.30	9841.60	8467.23	6734.49	5103.05	3730.21	2697.33
270.0	11566.66	11436.97	10820.77	9810.13	8368.24	6646.24	5014.03	3701.05	2635.94
300.0	11552.85	11461.53	10914.39	9929.08	8507.90	6772.09	5041.66	3714.10	2656.66
330.0	11555.92	11377.88	10728.68	9635.17	8228.57	6499.67	4872.84	3513.05	2530.81
360.0	11540.57	11394.77	10775.49	9728.03	8263.87	6519.63	4816.05	3536.07	2529.27
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1853.98	1438.83	1119.60	892.46	716.73	592.41	488.82	409.01	351.07
30.0	1829.42	1393.55	1098.88	872.51	711.36	580.90	481.14	406.71	346.09
60.0	1603.82	1304.08	1039.18	833.22	684.50	561.72	466.56	391.21	335.65
90.0	1752.69	1344.44	1052.84	840.28	687.57	564.02	468.10	395.20	336.65
120.0	1529.53	1300.70	1037.26	831.30	682.50	560.95	465.87	390.67	335.19
150.0	1806.40	1385.88	1084.30	864.83	707.52	580.14	482.68	408.24	347.39
180.0	1744.25	1354.03	1079.85	864.83	702.53	582.90	483.75	405.40	345.01
210.0	1862.42	1459.70	1137.25	916.02	740.67	604.46	501.86	423.98	358.29
240.0	1991.34	1550.10	1207.85	963.06	779.65	637.69	523.35	436.64	388.29
270.0	1939.93	1500.45	1159.20	928.83	747.42	607.69	503.55	420.68	356.98
300.0	1944.53	1507.13	1169.48	919.32	742.82	613.13	504.17	421.29	360.44
330.0	1856.28	1435.22	1109.09	880.87	709.90	584.28	485.44	410.39	346.85
360.0	1853.98	1438.83	1119.60	892.46	716.73	592.41	488.82	409.01	351.07
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	301.50	264.90	232.90	206.88	186.24	169.44	154.63	143.19	132.30
30.0	298.28	259.91	230.14	204.58	184.55	167.36	153.17	141.43	131.07
60.0	289.38	252.24	223.38	198.75	178.49	162.22	149.56	138.28	128.46
90.0	291.45	251.32	221.85	196.45	175.65	159.38	145.19	133.68	122.32
120.0	288.84	251.24	222.16	197.52	177.26	160.77	148.03	136.59	126.77
150.0	301.66	260.98	230.90	205.12	185.17	167.90	153.78	142.42	131.99
180.0	299.58	261.14	231.44	205.89	184.71	167.36	153.63	141.04	130.30
210.0	308.87	270.88	237.27	210.64	189.85	171.36	156.70	144.42	133.98
240.0	318.92	279.09	243.95	215.48	193.69	173.50	158.92	146.42	135.98
270.0	306.26	267.43	233.51	206.65	184.32	166.60	151.63	138.82	128.08
300.0	308.25	269.89	234.51	208.80	187.24	169.97	155.01	143.12	133.14
330.0	299.51	263.13	229.75	205.89	184.86	168.29	154.55	142.81	132.91
360.0	301.50	264.90	232.90	206.88	186.24	169.44	154.63	143.19	132.30
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	122.01	112.34	101.91	93.31	85.03	77.04	69.29	63.31	57.78
30.0	122.40	113.88	105.97	97.23	88.25	79.58	71.52	63.23	56.25
60.0	120.17	112.19	104.52	95.54	87.02	77.58	69.14	60.47	53.87
90.0	112.80	102.91	93.47	84.33	75.59	67.61	60.39	55.17	49.80
120.0	118.48	110.50	102.83	94.08	85.72	76.66	68.45	60.16	54.02
150.0	122.86	114.65	107.28	98.99	90.55	81.11	72.06	63.39	55.40
180.0	120.71	110.58	100.60	91.32	82.80	74.28	66.53	61.08	54.79
210.0	124.47	116.26	107.97	99.61	90.55	81.50	72.82	64.15	56.86
240.0	126.46	118.18	110.35	102.14	93.62	84.18	75.59	66.99	58.78
270.0	117.95	108.43	97.84	88.94	80.27	72.21	64.61	58.47	53.10
300.0	123.78	115.64	107.59	99.84	91.32	82.72	73.90	65.53	57.40
330.0	124.08	115.87	107.74	99.91	90.78	82.26	73.74	65.23	57.32
360.0	122.01	112.34	101.91	93.31	85.03	77.04	69.29	63.31	57.78

# ROLED 地埋灯

## 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	50.42	40.52	32.08	26.47	17.80	9.67	2.53	1.84	0.61
30.0	50.26	42.51	30.46	22.33	16.50	9.52	2.76	1.30	0.46
60.0	47.96	39.37	27.47	21.33	14.12	6.52	1.53	1.00	0.46
90.0	43.20	33.38	27.47	20.49	13.89	6.14	1.76	1.00	0.38
120.0	48.19	40.13	27.47	20.95	13.89	6.22	1.61	0.92	0.38
150.0	49.27	41.21	29.47	21.64	15.73	8.13	1.69	0.77	0.31
180.0	46.50	35.68	28.16	21.18	13.89	6.75	1.92	1.23	0.31
210.0	50.65	42.97	30.46	22.56	16.73	9.90	3.30	1.30	0.46
240.0	52.26	45.97	34.76	24.48	19.49	12.05	4.83	1.53	0.69
270.0	47.58	38.14	29.70	25.09	16.73	10.28	2.38	1.76	0.69
300.0	51.72	45.04	33.92	24.40	19.34	11.82	4.60	1.69	0.69
330.0	51.34	43.74	31.69	23.17	18.19	10.97	4.22	1.61	0.54
360.0	50.42	40.52	32.08	26.47	17.80	9.67	2.53	1.84	0.61

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