

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

报告编号:

电压(V): 220.4000

测试编号: 20210319001

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: 0.9360

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): 1815.41

灯具效能(lm/w): 89.43

中心光强(cd): 1805.636

最大光强(cd): 1813.309

最大光强角度:  $C=30.0$   $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=53.1

[C90/270]Total=53.1

光束扩散角(10%Imax): [C0/180]Total=98.6

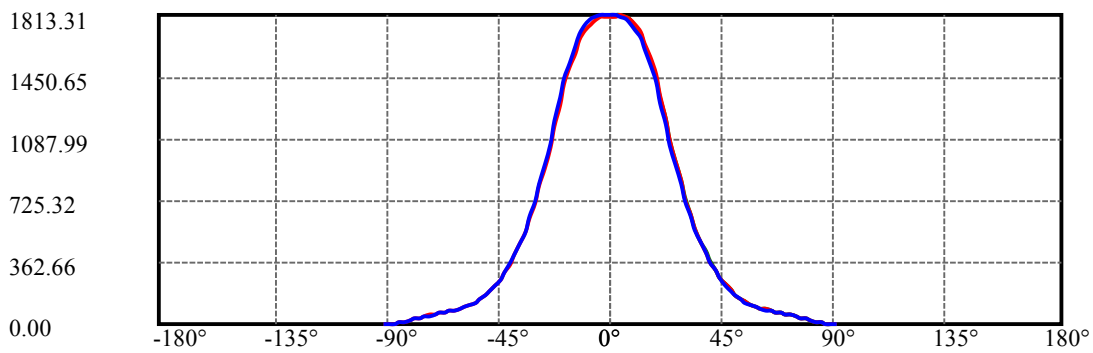
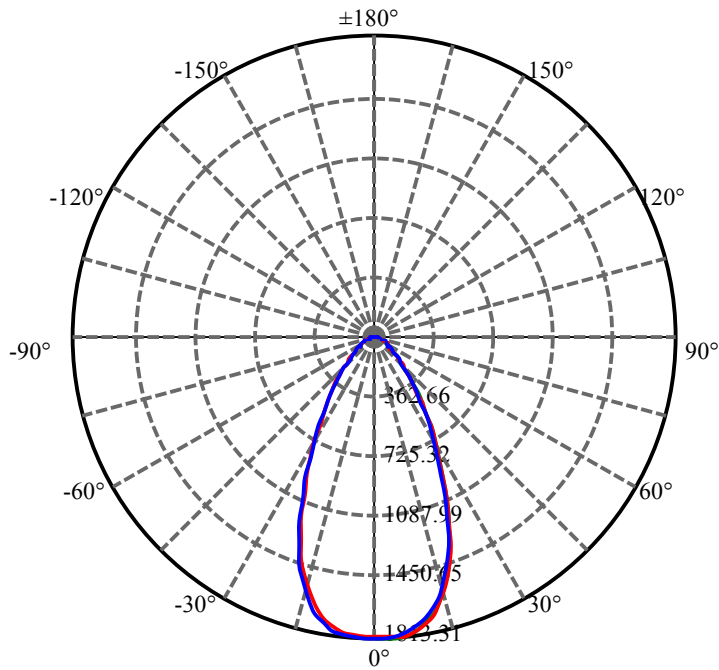
[C90/270]Total=98.1

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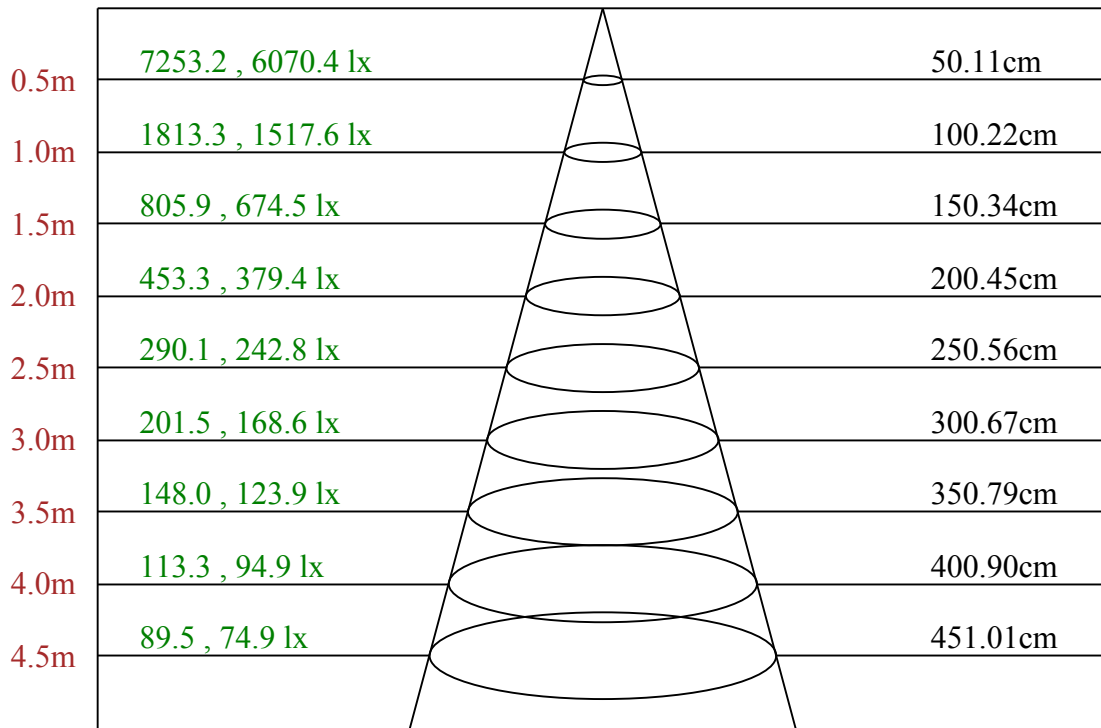
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/19  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

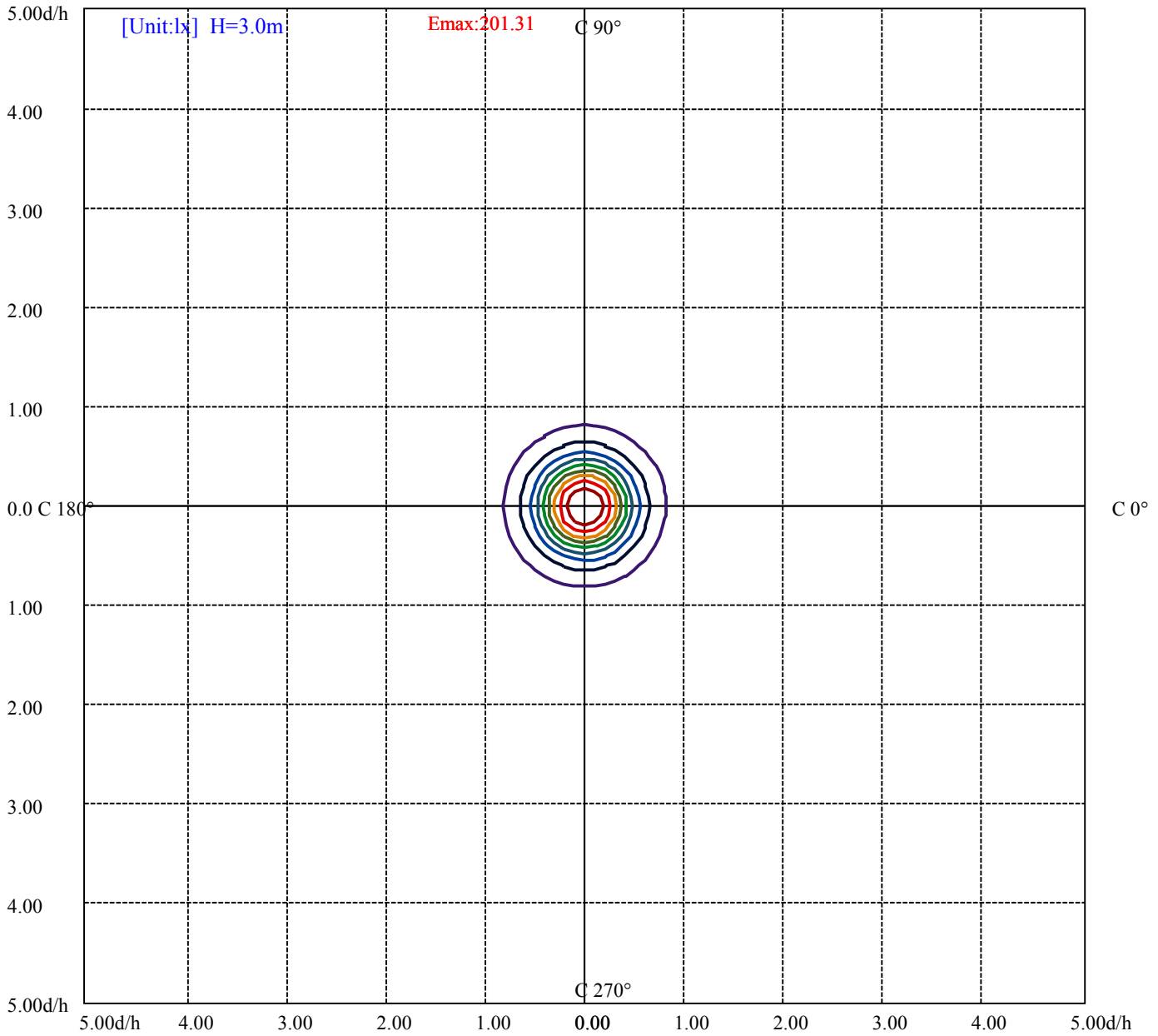


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角53.23

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 20.13078
- (20%Emax) 40.26167
- (30%Emax) 60.39244
- (40%Emax) 80.52334
- (50%Emax) 100.6541
- (60%Emax) 120.7845
- (70%Emax) 140.9156
- (80%Emax) 161.0467
- (90%Emax) 181.1778

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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

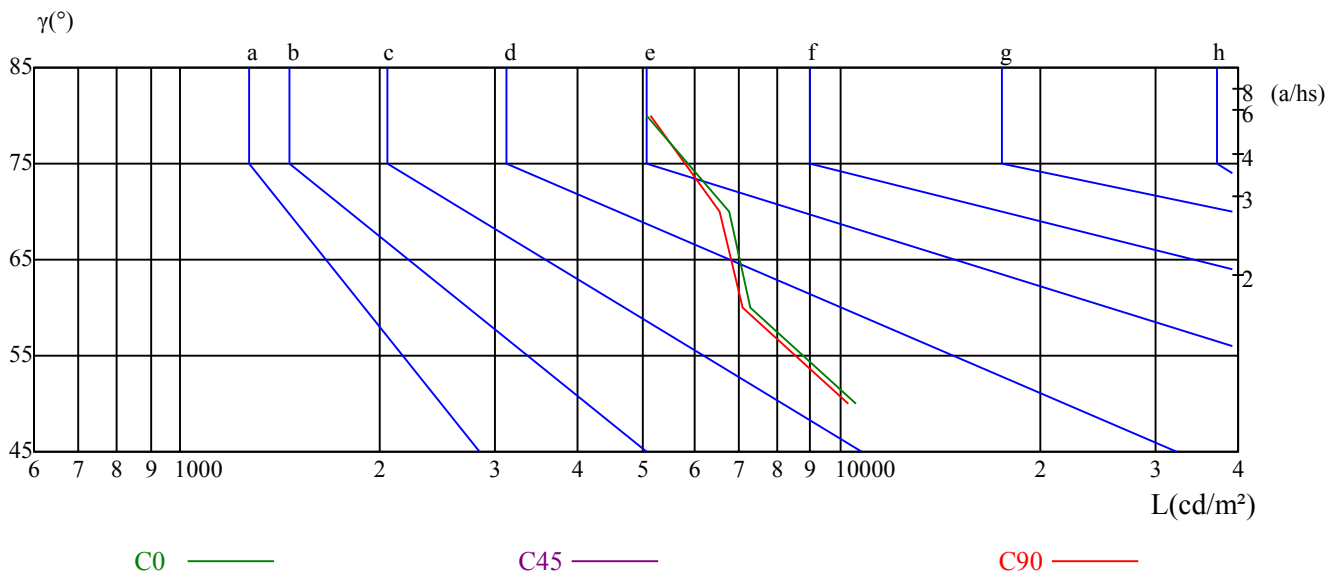
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	10572	0	7290	0	6784	0	5075	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10287	0	7104	0	6556	0	5144	0

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	14.05	15.26	14.41	15.57	15.89	14.17	15.38	14.53	15.69	16.01
	3H	15.67	16.74	16.05	17.07	17.44	15.82	16.90	16.20	17.23	17.59
	4H	16.29	17.30	16.70	17.65	18.03	16.46	17.46	16.87	17.82	18.20
	6H	16.69	17.61	17.11	17.98	18.38	16.86	17.78	17.28	18.15	18.55
	8H	16.77	17.64	17.20	18.03	18.44	16.94	17.81	17.37	18.20	18.60
	12H	16.81	17.64	17.25	18.03	18.46	16.98	17.81	17.41	18.19	18.62
4H	2H	14.54	15.55	14.95	15.90	16.28	14.64	15.64	15.04	15.99	16.38
	3H	16.41	17.23	16.82	17.64	18.04	16.53	17.36	16.95	17.76	18.17
	4H	17.16	17.89	17.59	18.32	18.76	17.31	18.04	17.74	18.46	18.91
	6H	17.58	18.21	18.04	18.66	19.13	17.73	18.36	18.19	18.81	19.28
	8H	17.68	18.28	18.16	18.72	19.20	17.83	18.42	18.30	18.87	19.34
	12H	17.73	18.25	18.21	18.73	19.21	17.87	18.39	18.36	18.88	19.35
8H	4H	17.41	18.00	17.88	18.44	18.92	17.54	18.13	18.01	18.58	19.05
	6H	17.93	18.41	18.44	18.91	19.39	18.07	18.55	18.57	19.04	19.53
	8H	18.08	18.51	18.61	19.02	19.52	18.22	18.64	18.74	19.16	19.65
	12H	18.62	18.99	19.14	19.49	20.06	18.75	19.13	19.27	19.62	20.20
12H	4H	17.40	17.92	17.89	18.41	18.88	17.53	18.05	18.02	18.53	19.01
	6H	18.45	18.38	18.48	18.85	19.39	18.58	18.51	18.62	18.98	19.53
	8H	18.13	18.50	18.65	19.00	19.58	18.26	18.64	18.78	19.13	19.71
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-1.1					0.8/-1.0					
S = 1.5H	1.5/-1.4					1.5/-1.3					
S = 2.0H	3.1/-1.4					3.1/-1.4					
标准表格	BK3					BK3					
更正系数	2.5					2.7					

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光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	1805.64	1806.40	1811.01	1807.17	1789.52	1757.29	1708.18	1646.02	1560.84
30.0	1811.77	1813.31	1813.31	1807.17	1786.45	1750.38	1703.57	1636.81	1550.87
60.0	1811.77	1809.47	1805.64	1796.43	1771.87	1734.27	1684.39	1613.02	1530.61
90.0	1810.24	1808.71	1802.57	1789.52	1764.20	1725.06	1675.18	1606.12	1520.94
120.0	1809.47	1805.64	1797.96	1782.61	1753.45	1712.02	1659.83	1586.17	1503.75
150.0	1807.17	1804.10	1796.43	1783.38	1756.52	1715.85	1667.51	1596.14	1509.43
180.0	1805.64	1802.57	1797.19	1784.15	1757.29	1718.15	1664.44	1593.07	1507.51
210.0	1811.77	1811.01	1807.17	1795.66	1772.64	1734.27	1682.86	1612.26	1523.86
240.0	1811.77	1811.77	1809.47	1801.80	1783.38	1753.45	1706.64	1643.72	1560.08
270.0	1810.24	1811.77	1811.77	1804.10	1785.68	1751.92	1702.81	1634.51	1530.61
300.0	1809.47	1811.77	1812.54	1808.71	1793.36	1760.36	1715.09	1649.09	1560.84
330.0	1807.17	1810.24	1811.77	1805.64	1787.22	1752.69	1708.18	1642.95	1531.30
360.0	1805.64	1806.40	1811.01	1807.17	1789.52	1757.29	1708.18	1646.02	1560.84
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1460.32	1342.14	1207.85	1078.93	954.62	844.11	730.54	643.06	558.65
30.0	1441.90	1331.40	1201.71	1078.16	954.62	839.51	738.98	644.60	560.18
60.0	1431.62	1307.76	1174.24	1049.08	925.07	818.64	710.67	622.50	541.23
90.0	1416.58	1300.70	1173.32	1051.31	932.36	821.86	725.94	633.09	552.51
120.0	1397.93	1278.91	1153.14	1037.11	916.71	806.97	711.43	620.50	543.23
150.0	1406.60	1291.49	1171.78	1046.70	927.76	819.56	724.40	630.78	552.51
180.0	1408.83	1287.43	1156.97	1036.26	916.40	807.05	707.37	620.04	538.85
210.0	1418.34	1299.93	1176.23	1047.54	926.45	815.80	715.42	624.41	541.69
240.0	1457.25	1339.07	1213.22	1074.33	950.01	831.84	724.40	634.62	549.44
270.0	1446.96	1324.34	1195.19	1061.43	937.58	820.56	723.87	629.63	544.53
300.0	1460.32	1343.68	1221.66	1079.70	961.52	840.28	736.68	641.53	554.81
330.0	1457.78	1335.77	1208.16	1073.94	950.93	833.22	732.69	637.61	551.28
360.0	1460.32	1342.14	1207.85	1078.93	954.62	844.11	730.54	643.06	558.65
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	484.21	421.29	364.27	315.85	272.27	233.28	200.21	173.96	149.95
30.0	485.75	423.59	366.27	316.62	271.57	232.75	201.90	173.58	149.72
60.0	473.16	409.09	352.69	305.72	262.37	224.92	193.15	167.29	144.11
90.0	479.61	414.38	361.28	310.63	266.51	228.45	196.99	169.28	145.80
120.0	468.48	407.40	351.38	305.34	262.14	225.22	194.84	167.67	144.88
150.0	479.61	415.15	359.36	310.71	267.05	228.98	198.75	171.43	148.26
180.0	471.09	407.78	351.77	303.73	262.67	225.84	194.38	168.98	146.19
210.0	475.08	411.08	355.45	306.95	263.98	225.99	196.68	169.59	146.19
240.0	478.08	414.38	357.21	307.26	267.05	228.91	196.52	170.43	146.80
270.0	474.85	410.32	355.60	303.34	263.13	224.61	193.15	167.06	143.88
300.0	481.91	415.92	361.28	310.48	269.66	231.59	198.90	173.04	149.41
330.0	482.07	416.38	356.91	306.87	265.13	226.53	195.07	169.74	146.49
360.0	484.21	421.29	364.27	315.85	272.27	233.28	200.21	173.96	149.95
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	131.30	115.87	103.14	93.31	85.41	78.20	71.83	66.07	59.39
30.0	130.30	115.26	102.60	92.55	84.87	77.66	71.14	64.69	58.70
60.0	125.24	110.81	98.76	89.17	80.96	74.51	68.30	61.70	55.79
90.0	126.92	112.80	100.60	90.93	82.95	75.89	69.98	63.77	57.40
120.0	126.62	112.88	101.37	92.39	84.49	77.81	71.52	65.23	59.39
150.0	129.53	114.88	102.60	93.47	85.41	78.50	72.36	66.07	60.01
180.0	127.69	113.19	101.37	92.01	84.10	77.89	71.67	65.38	59.09
210.0	128.38	113.42	100.99	91.93	83.95	76.89	70.60	64.61	58.17
240.0	127.54	112.42	100.37	90.17	82.42	75.20	68.68	63.08	56.79
270.0	126.69	111.65	99.38	89.63	81.80	74.67	68.45	62.85	56.63
300.0	130.22	115.26	103.06	93.16	85.49	78.20	71.75	65.46	59.47
330.0	128.77	113.73	101.37	91.78	84.10	77.04	70.52	64.38	57.86
360.0	131.30	115.87	103.14	93.31	85.41	78.20	71.83	66.07	59.39

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	52.80	45.89	37.83	30.16	22.56	14.35	7.44	1.15	0.54
30.0	52.26	45.81	38.29	30.54	23.17	14.89	7.52	1.46	0.46
60.0	49.57	42.59	35.07	28.09	21.03	13.43	6.98	1.15	0.46
90.0	51.11	44.35	37.06	29.54	22.87	14.66	7.83	1.69	0.61
120.0	52.72	45.89	37.91	30.16	22.33	14.35	7.37	1.15	0.54
150.0	53.41	46.81	39.14	31.16	23.64	15.19	7.67	1.53	0.61
180.0	52.57	45.51	37.52	29.85	21.72	13.89	6.75	1.00	0.54
210.0	52.03	44.81	36.91	29.31	21.95	13.74	6.60	1.00	0.54
240.0	50.42	43.82	36.45	29.01	21.87	14.04	7.06	1.00	0.54
270.0	50.42	43.13	35.61	28.24	21.03	13.05	5.91	0.92	0.46
300.0	52.64	45.51	37.99	29.93	22.10	13.89	6.60	0.92	0.46
330.0	51.49	43.74	36.30	28.55	21.03	12.97	5.76	0.84	0.46
360.0	52.80	45.89	37.83	30.16	22.56	14.35	7.44	1.15	0.54

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