

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: G1054A-18-12DC (30-OL-18WN-AJ, CT)

报告编号:

电压(V): 220.5000

测试编号: 20210318014

电流(A): 0.0990

光源规格型号: OL

功率(W): 20.4000

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): 1897.95

灯具效能(lm/w): 93.04

中心光强(cd): 5099.981

最大光强(cd): 5109.189

最大光强角度: C=90.0  $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=29.5

[C90/270]Total=29.5

光束扩散角(10%Imax): [C0/180]Total=56.0

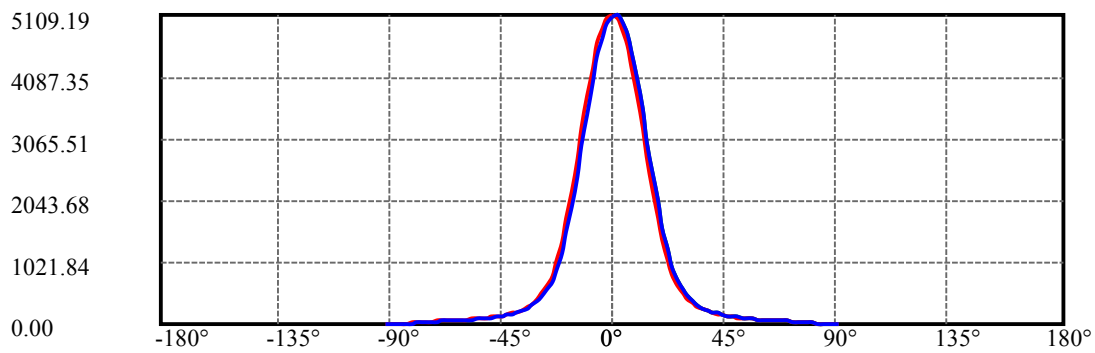
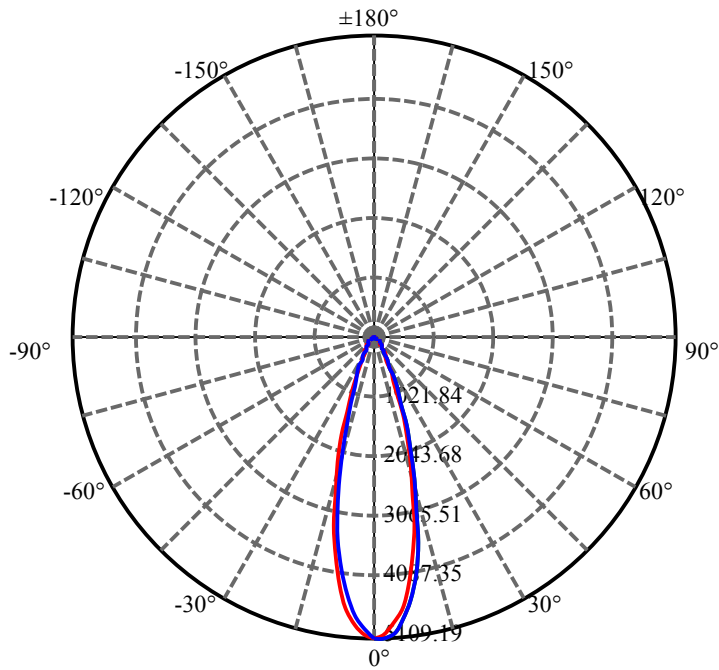
[C90/270]Total=56.1

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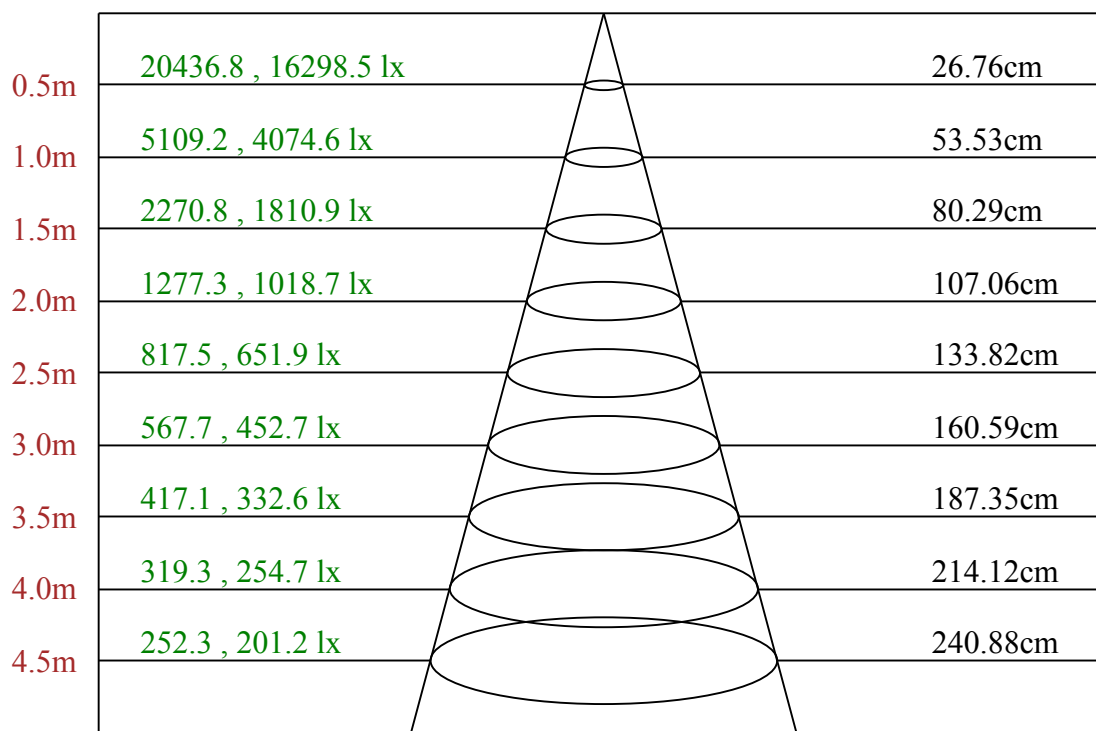
测试设备: GMS1800  
环境温度(°C): 25.0

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

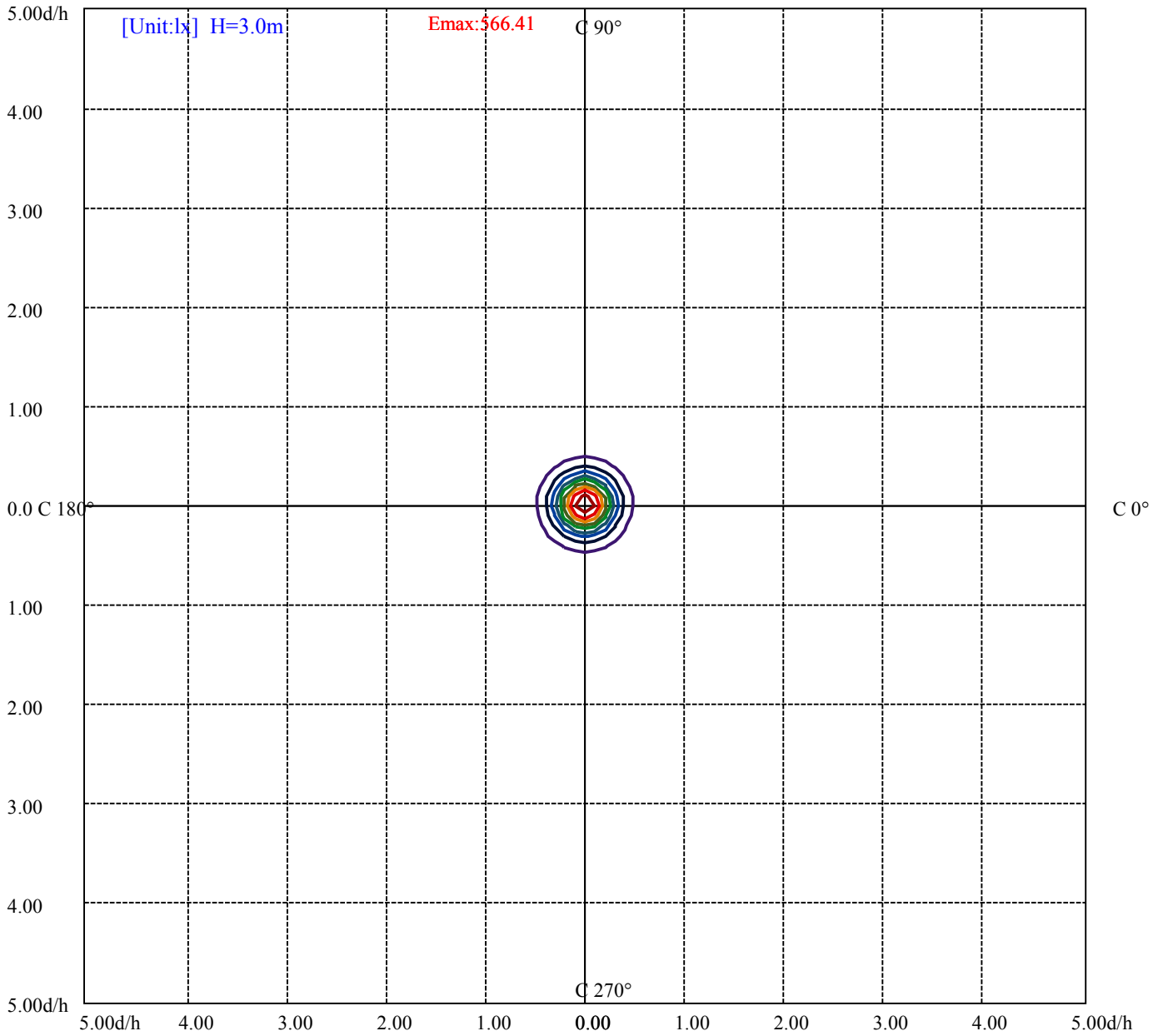


C90(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C90面光束角29.96

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 56.64089
- (20%Emax) 113.2822
- (30%Emax) 169.9222
- (40%Emax) 226.5633
- (50%Emax) 283.2045
- (60%Emax) 339.8456
- (70%Emax) 396.4856
- (80%Emax) 453.1266
- (90%Emax) 509.7678

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  
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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

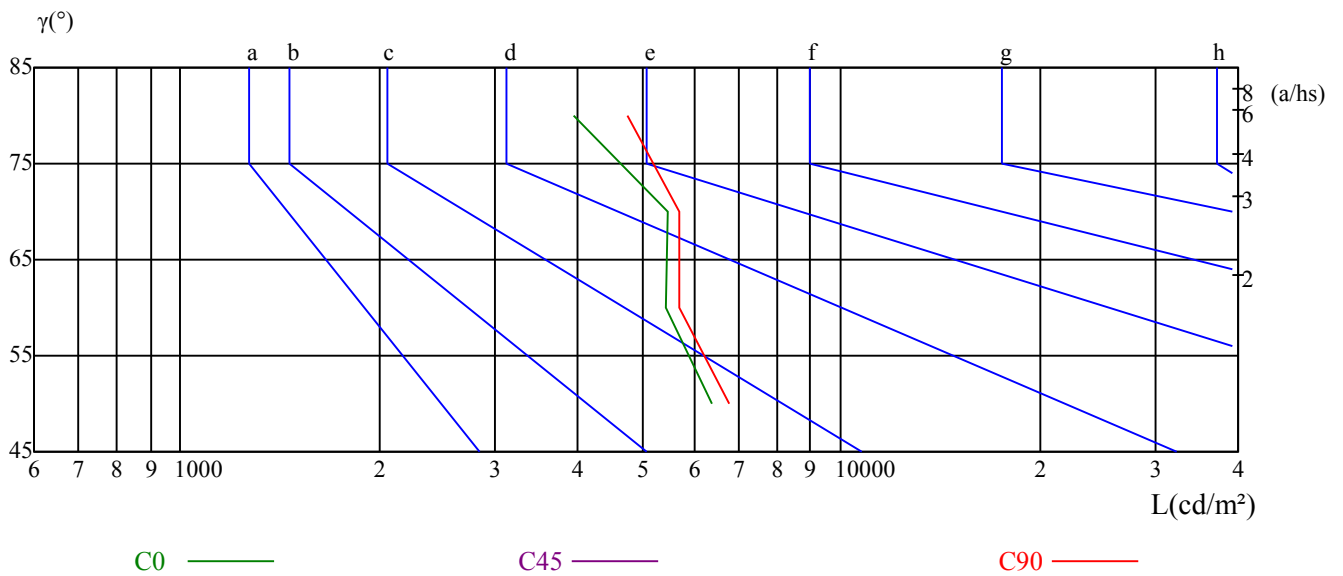
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6398	0	5438	0	5460	0	3953	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6795	0	5689	0	5706	0	4764	0

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



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	11.78	12.88	12.15	13.19	13.51	11.71	12.81	12.08	13.12	13.44
	3H	13.71	14.68	14.09	15.02	15.38	13.64	14.61	14.02	14.94	15.31
	4H	14.43	15.33	14.84	15.69	16.08	14.37	15.28	14.78	15.63	16.02
	6H	14.86	15.68	15.27	16.06	16.45	14.81	15.64	15.23	16.01	16.41
	8H	14.94	15.72	15.37	16.11	16.52	14.89	15.67	15.32	16.06	16.47
	12H	14.98	15.72	15.41	16.11	16.54	14.92	15.67	15.36	16.05	16.48
4H	2H	12.34	13.24	12.74	13.59	13.98	12.28	13.18	12.69	13.54	13.92
	3H	14.51	15.26	14.93	15.66	16.07	14.43	15.17	14.84	15.58	15.98
	4H	15.36	16.02	15.79	16.44	16.89	15.27	15.93	15.71	16.35	16.80
	6H	15.80	16.36	16.26	16.81	17.28	15.72	16.28	16.18	16.73	17.21
	8H	15.90	16.43	16.37	16.88	17.35	15.82	16.35	16.29	16.80	17.27
	12H	15.94	16.40	16.43	16.89	17.36	15.85	16.31	16.34	16.80	17.28
8H	4H	15.60	16.13	16.08	16.58	17.06	15.53	16.06	16.00	16.51	16.98
	6H	16.16	16.58	16.66	17.08	17.56	16.07	16.50	16.58	17.00	17.48
	8H	16.31	16.68	16.84	17.20	17.70	16.22	16.59	16.75	17.11	17.61
	12H	16.84	17.16	17.36	17.66	18.24	16.74	17.06	17.26	17.56	18.14
12H	4H	15.59	16.05	16.08	16.54	17.02	15.52	15.98	16.01	16.47	16.95
	6H	16.54	16.54	16.70	17.01	17.56	16.46	16.47	16.62	16.94	17.48
	8H	16.35	16.68	16.87	17.18	17.75	16.27	16.59	16.79	17.09	17.67
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.6					0.4/-0.6					
S = 1.5H	0.9/-0.8					1.0/-0.9					
S = 2.0H	1.9/-0.9					1.9/-0.9					
标准表格	BK3					BK3					
更正系数	0.3					0.1					

# 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	5099.98	5040.89	4872.07	4612.70	4242.05	3776.26	3248.30	2751.04	2231.53
30.0	5096.14	5073.12	4935.76	4711.69	4365.60	3918.22	3418.66	2916.03	2388.07
60.0	5099.21	5087.70	4955.71	4718.60	4381.72	3933.57	3427.87	2912.96	2383.47
90.0	5093.07	5109.19	5010.97	4798.40	4493.75	4059.42	3560.62	3026.53	2514.69
120.0	5102.28	5101.52	4980.27	4748.52	4417.78	3966.57	3459.33	2938.28	2400.35
150.0	5094.61	5093.84	4977.20	4733.94	4403.20	3948.15	3439.38	2929.84	2394.98
180.0	5099.98	5050.10	4885.12	4619.60	4222.87	3767.05	3247.54	2727.25	2203.14
210.0	5096.14	5010.97	4812.98	4529.82	4126.95	3631.22	3105.57	2604.47	2087.26
240.0	5099.21	5004.06	4802.24	4506.80	4102.39	3606.67	3057.23	2528.50	2042.75
270.0	5093.07	4961.85	4730.87	4397.83	3983.45	3467.77	2959.00	2433.35	1934.55
300.0	5102.28	4991.78	4779.99	4462.29	4072.46	3578.27	3055.69	2530.81	2023.57
330.0	5094.61	4988.71	4775.38	4463.06	4067.86	3566.76	3043.41	2517.76	2037.38
360.0	5099.98	5040.89	4872.07	4612.70	4242.05	3776.26	3248.30	2751.04	2231.53
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1756.52	1385.11	1061.28	822.63	639.22	512.61	413.62	346.39	289.07
30.0	1931.49	1507.89	1157.97	892.46	694.48	556.35	449.68	387.52	312.48
60.0	1898.49	1479.27	1151.29	885.32	693.71	549.59	443.31	362.89	305.11
90.0	2019.73	1579.26	1226.27	941.57	738.22	579.37	465.03	390.59	319.00
120.0	1907.70	1487.02	1150.60	882.79	692.40	545.60	438.48	357.75	298.97
150.0	1931.49	1501.75	1147.23	878.65	689.10	542.53	437.40	383.15	299.51
180.0	1740.41	1349.43	1044.17	802.98	623.57	500.79	404.56	331.58	276.87
210.0	1511.27	1292.57	983.85	770.45	605.61	481.53	392.97	327.52	274.26
240.0	1587.70	1240.08	946.94	725.17	571.70	461.19	388.29	311.09	263.21
270.0	1523.47	1183.45	900.06	698.62	558.96	446.77	369.57	307.33	258.68
300.0	1570.82	1227.80	938.50	719.80	574.00	458.12	391.36	308.25	261.83
330.0	1530.84	1259.57	960.52	743.28	593.26	472.78	386.30	320.07	270.19
360.0	1756.52	1385.11	1061.28	822.63	639.22	512.61	413.62	346.39	289.07
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	245.02	212.64	184.55	161.46	143.04	128.46	115.41	105.28	96.15
30.0	265.36	229.68	199.36	174.50	153.78	137.51	123.39	111.96	101.83
60.0	258.84	222.54	194.45	170.36	151.40	133.75	120.94	109.58	99.99
90.0	269.58	231.13	201.59	176.27	155.01	137.28	123.85	111.81	101.68
120.0	252.70	216.40	189.70	166.14	146.65	130.68	117.95	106.97	97.76
150.0	253.46	217.40	190.08	166.21	147.18	130.53	116.95	106.28	96.46
180.0	237.50	204.66	179.41	157.77	139.74	125.01	113.65	103.37	94.54
210.0	234.97	205.50	179.03	158.08	140.51	125.93	113.88	103.67	95.38
240.0	224.76	197.22	171.12	152.17	135.90	122.40	110.81	101.52	93.70
270.0	222.85	194.84	170.13	150.41	134.75	120.63	109.50	99.91	91.70
300.0	223.46	194.99	170.36	150.02	133.75	121.09	109.50	100.22	92.09
330.0	231.36	201.82	175.19	154.24	136.44	121.78	109.73	99.38	90.86
360.0	245.02	212.64	184.55	161.46	143.04	128.46	115.41	105.28	96.15
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	87.94	81.03	74.74	69.60	64.61	60.01	55.79	51.95	47.81
30.0	93.16	85.72	78.96	73.28	67.91	63.08	58.47	54.10	49.80
60.0	92.09	84.80	78.73	72.75	67.99	63.23	59.32	55.10	50.72
90.0	93.24	85.64	79.27	72.82	67.84	62.85	58.40	54.25	49.96
120.0	90.40	83.18	76.97	71.29	66.15	61.31	57.40	53.41	49.50
150.0	88.02	80.73	74.44	68.60	63.39	59.01	54.94	51.11	47.12
180.0	87.25	80.34	74.67	68.91	64.15	59.63	55.48	51.80	47.81
210.0	87.79	81.11	74.74	69.52	64.46	60.01	55.79	51.57	47.04
240.0	86.25	79.88	74.05	69.06	64.54	60.24	56.33	52.34	47.73
270.0	84.49	78.43	72.36	67.07	62.46	57.86	53.72	49.65	45.12
300.0	84.64	78.35	72.44	67.53	62.77	58.40	54.33	50.49	46.04
330.0	83.34	76.51	70.29	65.15	60.24	55.94	52.26	48.27	44.12
360.0	87.94	81.03	74.74	69.60	64.61	60.01	55.79	51.95	47.81

# 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	43.13	37.29	30.23	24.40	17.57	11.05	4.83	0.61	0.31
30.0	44.97	38.75	31.92	25.86	19.49	12.74	6.29	1.38	0.46
60.0	46.27	40.13	33.53	26.93	20.26	13.05	7.29	1.61	0.46
90.0	45.58	39.83	33.46	27.01	21.18	13.74	7.98	2.53	0.54
120.0	45.12	39.14	32.61	26.32	20.26	13.12	7.37	1.92	0.38
150.0	42.90	37.37	31.31	25.09	19.03	12.43	6.60	1.76	0.54
180.0	43.05	37.60	30.70	24.56	17.88	11.20	5.53	1.00	0.46
210.0	41.28	35.45	28.78	23.10	16.04	10.05	4.45	0.61	0.38
240.0	42.05	36.30	29.39	23.56	16.58	9.90	3.91	0.61	0.38
270.0	39.29	33.23	26.70	20.57	13.74	8.06	2.46	0.61	0.31
300.0	40.36	34.76	27.93	21.87	15.35	8.98	3.30	0.61	0.38
330.0	38.83	32.69	26.17	20.57	13.89	8.44	3.15	0.54	0.38
360.0	43.13	37.29	30.23	24.40	17.57	11.05	4.83	0.61	0.31

C/γ(°)	90.0
0.0	0.08
30.0	0.15
60.0	0.23
90.0	0.31
120.0	0.23
150.0	0.31
180.0	0.15
210.0	0.08
240.0	0.08
270.0	0.08
300.0	0.08
330.0	0.00
360.0	0.08