

浙大三色

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## ROLED

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灯具名称: 地埋灯

灯具描述: G3083S6-27-36DC (2515-OD-27WN-AA, P1)

报告编号:

电压(V): 35.6000

测试编号: 20210408006

电流(A): 0.7260

光源规格型号: OD

功率(W): 25.9000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 27

镇流器型号:

发光面长度(mm): 960

发光面宽度(mm): 45

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): 2462.66

灯具效能(lm/w): 95.08

中心光强(cd): 13525.000

最大光强(cd): 13525.000

最大光强角度: C=0.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=25.3

[C90/270]Total=13.5

光束扩散角(10%Imax): [C0/180]Total=45.2

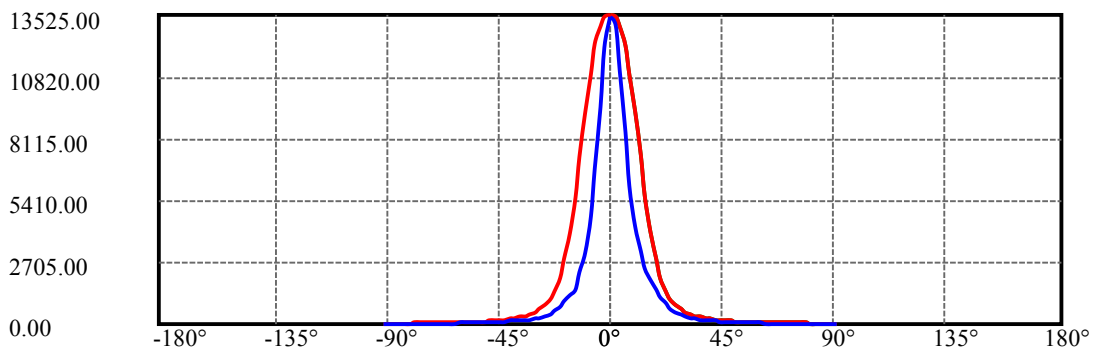
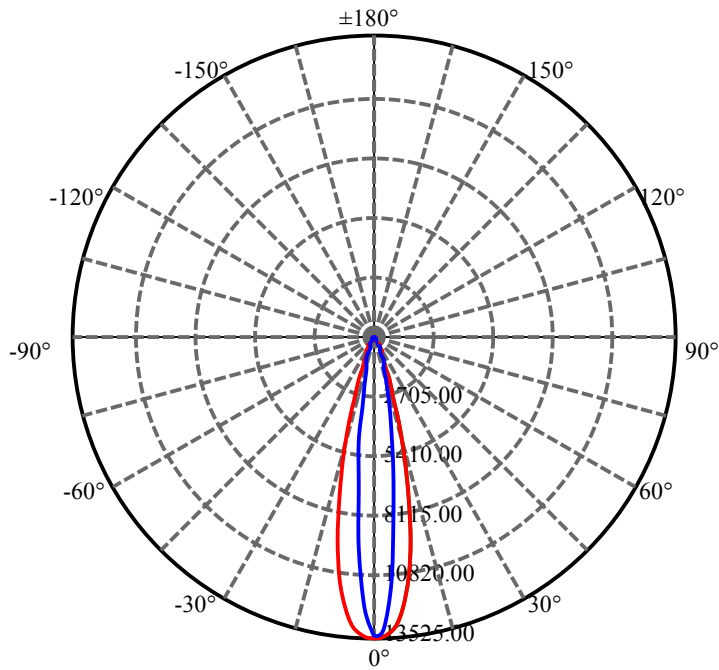
[C90/270]Total=34.1

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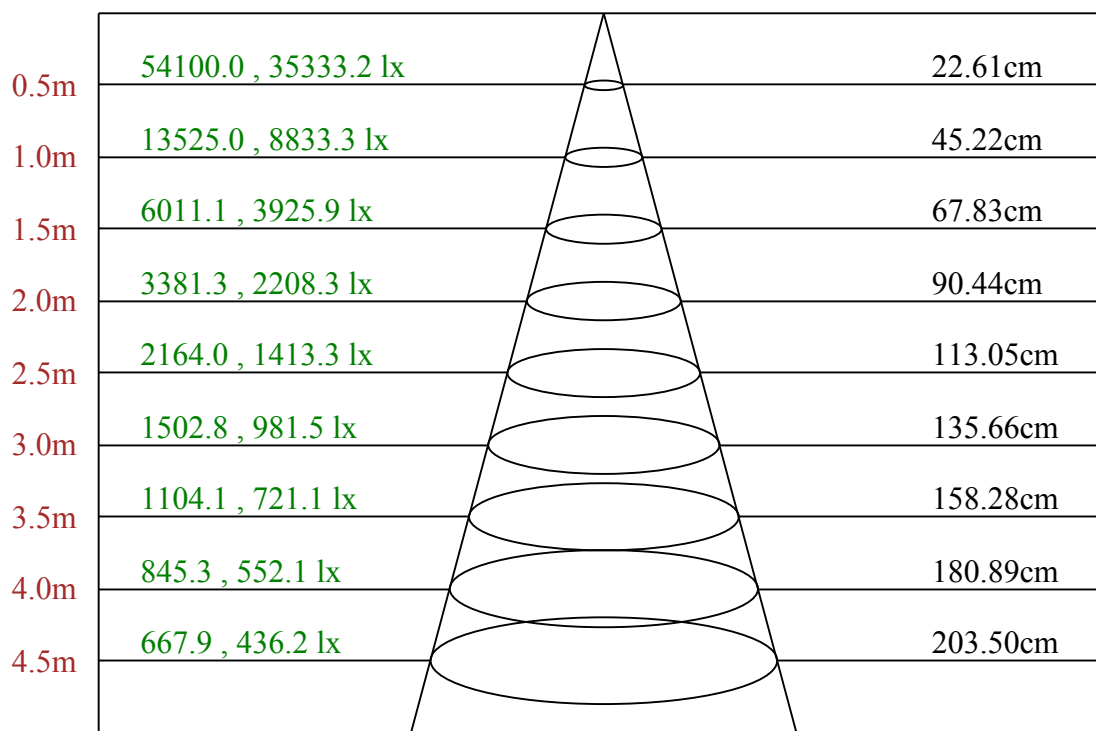
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/8  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

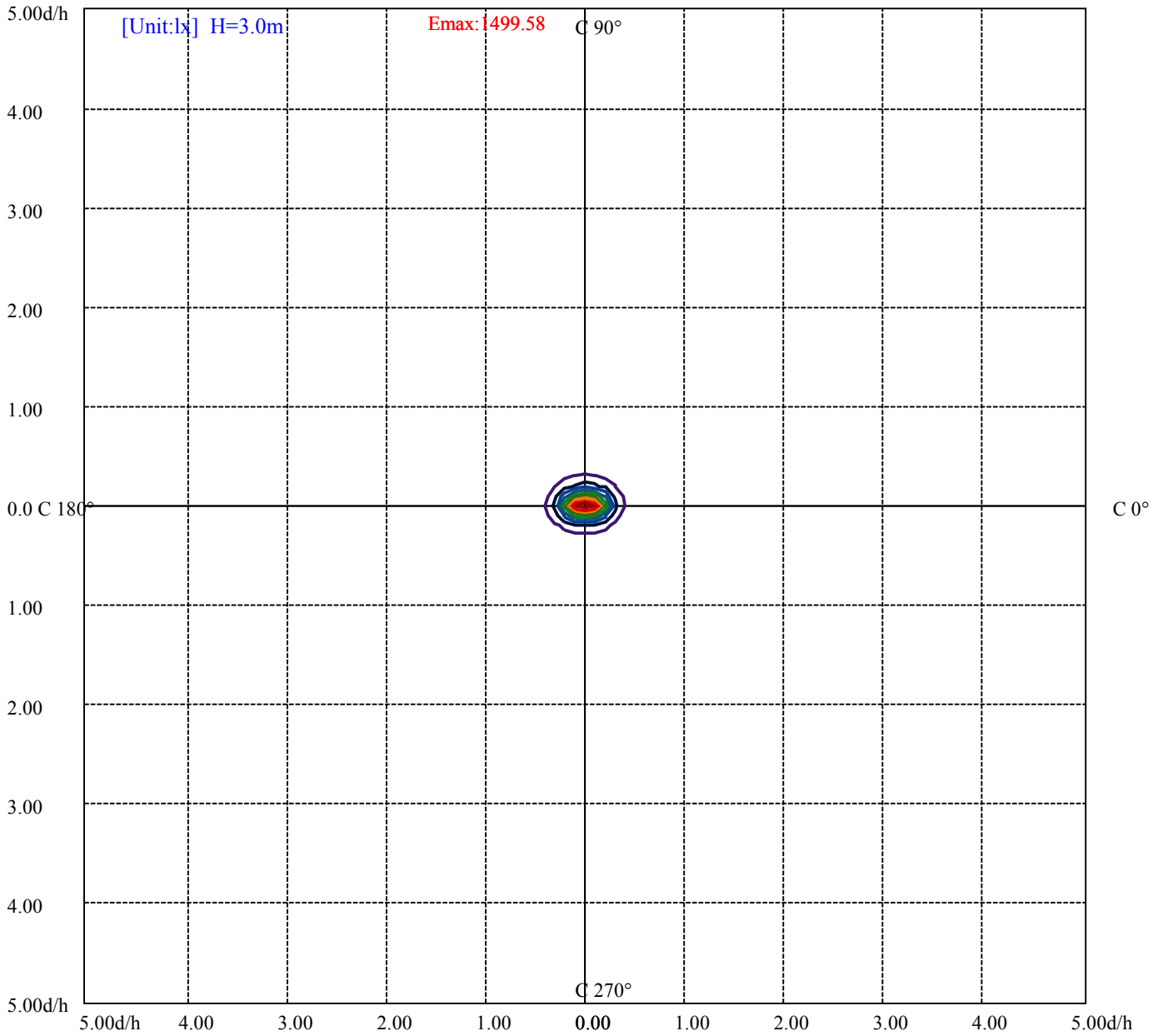


C0(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave C0面光束角25.48

ROLED 地埋灯  
平面等照度曲线



(10%Emax) 149.9578	——
(20%Emax) 299.9156	——
(30%Emax) 449.8734	——
(40%Emax) 599.8311	——
(50%Emax) 749.7889	——
(60%Emax) 899.7467	——
(70%Emax) 1049.704	——
(80%Emax) 1199.667	——
(90%Emax) 1349.622	——

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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

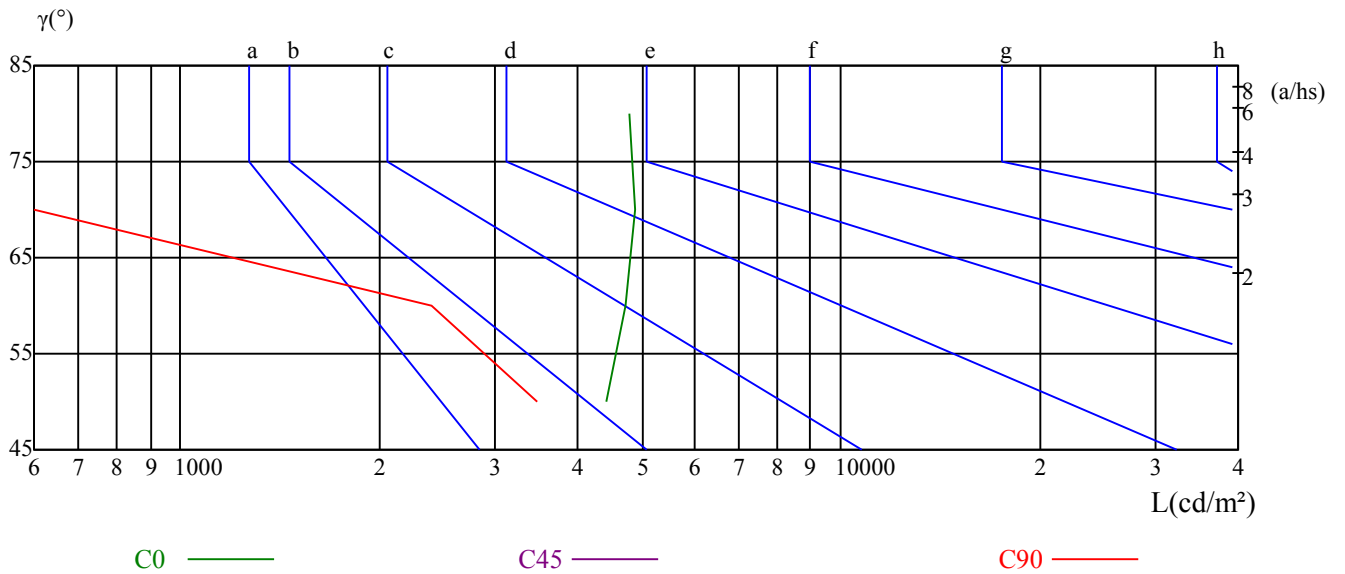
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	4422	0	4711	0	4882	0	4798	0
C45	0	0	0	0	0	0	0	0	0
C90	0	3479	0	2405	0	478	0	164	0

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

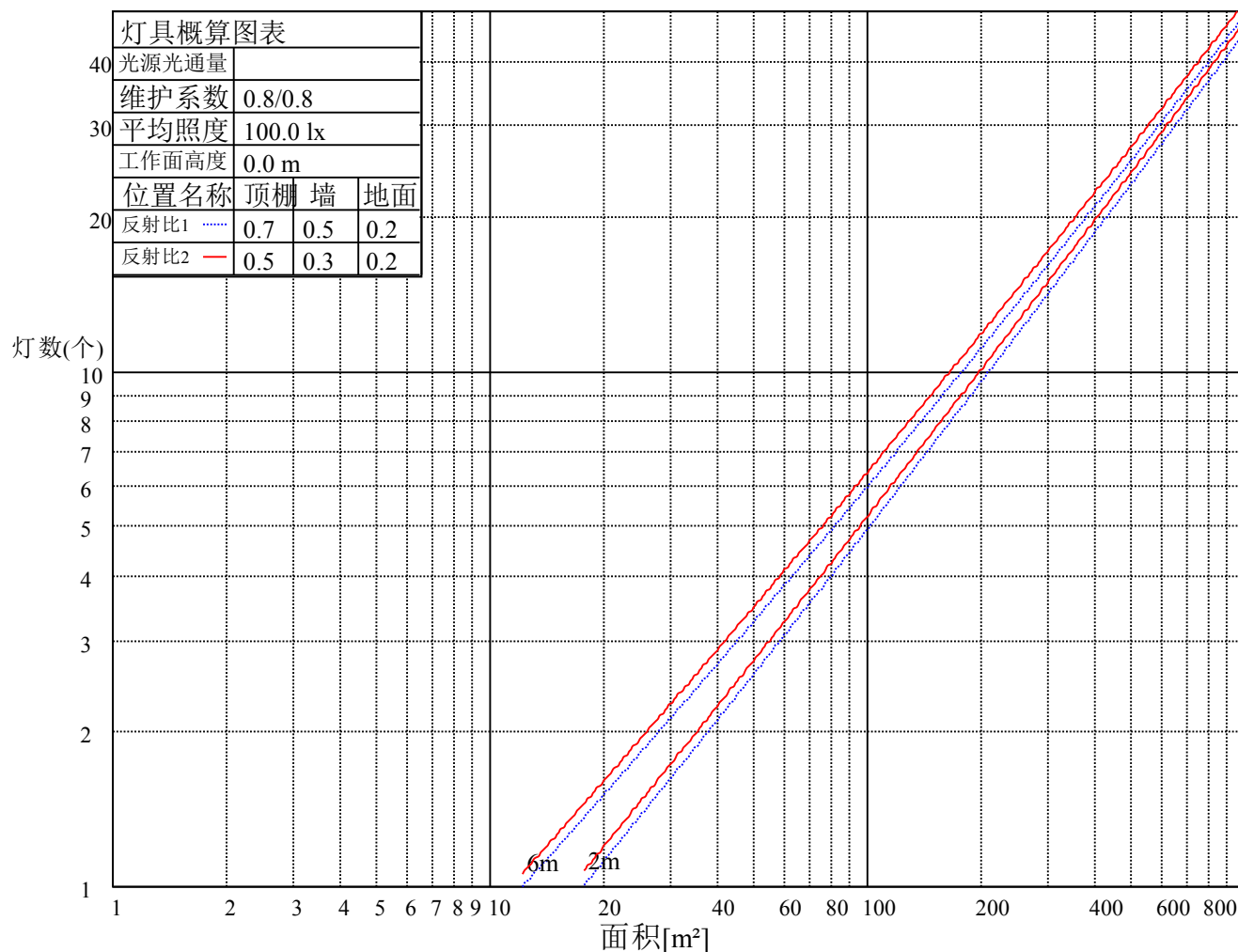
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	7.95	8.99	8.31	9.30	9.61	10.09	11.13	10.46	11.44	11.76
	3H	8.10	9.02	8.48	9.35	9.72	12.29	13.21	12.68	13.55	13.92
	4H	8.02	8.87	8.43	9.23	9.62	13.08	13.94	13.49	14.29	14.68
	6H	7.93	8.71	8.34	9.08	9.48	13.67	14.45	14.09	14.83	15.23
	8H	7.87	8.61	8.31	9.00	9.41	13.89	14.63	14.33	15.02	15.43
	12H	7.82	8.52	8.25	8.91	9.34	14.20	14.90	14.63	15.28	15.71
4H	2H	8.65	9.50	9.06	9.86	10.25	10.37	11.22	10.78	11.58	11.96
	3H	8.84	9.54	9.25	9.94	10.35	12.77	13.47	13.18	13.87	14.28
	4H	8.75	9.37	9.18	9.79	10.24	13.60	14.23	14.04	14.65	15.10
	6H	8.65	9.19	9.12	9.64	10.11	14.16	14.69	14.63	15.14	15.62
	8H	8.59	9.08	9.06	9.53	10.01	14.41	14.91	14.88	15.36	15.83
	12H	8.53	8.96	9.02	9.45	9.93	14.73	15.16	15.22	15.65	16.13
8H	4H	9.03	9.53	9.50	9.98	10.45	13.50	13.99	13.97	14.44	14.92
	6H	8.93	9.32	9.44	9.82	10.31	14.06	14.45	14.57	14.95	15.44
	8H	8.86	9.21	9.40	9.73	10.23	14.33	14.68	14.86	15.20	15.70
	12H	9.51	9.81	10.03	10.31	10.89	15.23	15.53	15.75	16.03	16.61
12H	4H	9.01	9.44	9.50	9.93	10.40	13.44	13.87	13.93	14.35	14.83
	6H	9.21	9.26	9.44	9.73	10.27	14.30	14.34	14.53	14.81	15.36
	8H	8.86	9.16	9.38	9.66	10.24	14.28	14.58	14.80	15.08	15.66
对应照射距离，改变观察者位置S											
S = 1.0H		0.7/-0.7					0.4/-0.6				
S = 1.5H		0.8/-2.2					1.1/-0.7				
S = 2.0H		3.6/-4.8					1.6/-0.7				
标准表格		BK2					BK2				
更正系数		-5.3					-1.5				

# 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	1.12	1.09	1.07	1.09	1.07	1.06	1.05	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95
2	1.05	1.01	0.98	1.03	1.00	0.97	1.00	0.98	0.95	0.97	0.95	0.93	0.95	0.93	0.91	0.90
3	0.99	0.95	0.92	0.98	0.94	0.91	0.96	0.92	0.90	0.93	0.90	0.88	0.91	0.89	0.87	0.85
4	0.95	0.90	0.86	0.93	0.89	0.86	0.91	0.88	0.85	0.90	0.86	0.84	0.88	0.85	0.83	0.82
5	0.90	0.86	0.82	0.90	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.78
6	0.87	0.82	0.78	0.86	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.75
7	0.83	0.79	0.75	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.73
8	0.81	0.76	0.72	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.72	0.70
9	0.78	0.73	0.70	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
10	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.74	0.70	0.68	0.73	0.70	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	13525.00	13411.43	12998.58	12182.86	10917.46	9291.39	7397.50	5666.30	4060.95
30.0	13492.77	13408.36	12697.00	11483.78	9793.25	7841.05	5956.37	4435.43	3172.33
60.0	13499.68	13023.91	11285.03	8968.32	6745.24	4851.35	3532.23	2650.52	2011.29
90.0	13462.84	13059.20	11051.75	8364.40	6071.48	4295.00	3154.68	2443.33	1898.49
120.0	13513.49	12930.29	11083.98	8702.81	6479.72	4640.32	3432.47	2556.13	1952.20
150.0	13502.75	13332.39	12482.91	11045.61	9313.64	7320.00	5484.44	4050.21	2902.98
180.0	13525.00	13416.80	13005.49	12238.88	10938.94	9201.61	7313.86	5547.36	3982.68
210.0	13492.77	12977.86	11859.80	10367.25	8472.60	6508.12	4793.80	3457.80	2422.61
240.0	13499.68	12640.22	10631.99	8275.38	5975.56	4116.97	2846.96	2063.47	1514.80
270.0	13462.84	12112.26	9530.81	6806.63	4667.95	3130.89	2245.34	1523.16	1259.65
300.0	13513.49	12694.70	10659.62	8147.23	5931.05	4060.19	2845.43	2032.78	1498.69
330.0	13502.75	13040.79	11910.44	10297.42	8450.34	6456.70	4731.64	3332.71	2373.49
360.0	13525.00	13411.43	12998.58	12182.86	10917.46	9291.39	7397.50	5666.30	4060.95
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2856.94	2016.66	1464.92	1090.44	839.51	666.85	535.63	441.24	372.94
30.0	2319.01	1703.57	1276.91	981.47	771.98	623.88	501.86	412.85	341.56
60.0	1530.30	1218.21	959.14	751.03	597.63	473.32	382.08	313.32	263.82
90.0	1481.04	1144.92	886.32	676.83	524.12	417.45	331.97	271.88	224.15
120.0	1529.99	1187.82	932.98	729.62	580.21	459.58	374.40	303.50	255.15
150.0	2137.91	1586.93	1203.25	931.59	744.35	593.95	481.91	396.73	329.43
180.0	2821.64	2022.80	1466.46	1112.08	844.65	675.14	544.45	447.30	367.42
210.0	1649.86	1304.31	984.85	771.75	620.65	499.18	408.86	339.87	283.55
240.0	1151.83	901.67	699.08	549.44	437.40	370.49	293.75	247.17	212.79
270.0	982.39	751.49	573.23	446.54	358.13	289.91	242.95	205.73	178.80
300.0	1142.62	895.53	691.41	542.53	436.64	351.30	289.61	243.95	209.80
330.0	1523.78	1277.91	965.21	754.94	606.30	487.67	399.27	329.28	277.94
360.0	2856.94	2016.66	1464.92	1090.44	839.51	666.85	535.63	441.24	372.94
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	302.42	255.15	218.63	188.93	164.99	146.88	133.22	122.78	114.72
30.0	285.39	241.26	207.88	179.64	157.47	141.20	128.00	118.79	111.65
60.0	223.54	192.53	169.36	150.18	135.52	122.70	113.80	106.05	99.53
90.0	193.15	168.75	150.87	135.83	123.85	114.26	105.13	96.61	88.56
120.0	216.48	187.01	165.06	147.03	133.29	121.48	113.03	105.90	99.91
150.0	278.02	233.44	201.59	174.81	154.78	138.74	126.62	117.95	111.27
180.0	306.11	259.45	220.62	189.77	165.45	147.95	133.98	123.70	115.64
210.0	239.96	206.65	179.64	159.08	142.58	130.68	121.25	113.73	108.28
240.0	185.70	165.83	148.18	135.75	125.24	116.56	109.50	103.37	98.07
270.0	159.23	144.57	132.37	122.93	115.11	107.20	99.91	91.93	85.56
300.0	183.33	163.76	147.03	134.44	124.01	115.95	109.20	103.60	98.22
330.0	236.35	204.35	177.65	157.77	141.73	130.15	121.02	113.73	108.35
360.0	302.42	255.15	218.63	188.93	164.99	146.88	133.22	122.78	114.72
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	109.89	106.97	104.44	101.75	97.30	91.62	85.49	79.04	72.13
30.0	106.59	102.98	100.30	96.92	92.32	86.64	80.11	72.36	63.92
60.0	93.70	87.63	81.65	73.74	64.69	49.96	34.69	25.32	16.50
90.0	80.65	72.06	62.54	51.95	40.21	30.70	22.41	14.43	7.06
120.0	93.77	87.79	81.57	73.74	64.23	49.34	34.92	25.78	16.81
150.0	106.44	102.60	99.22	94.46	88.17	80.11	71.90	64.00	56.94
180.0	110.50	107.13	104.59	101.45	97.23	91.62	85.72	79.19	72.29
210.0	103.75	99.99	96.00	91.85	86.33	80.88	74.36	66.68	59.09
240.0	92.32	86.79	80.50	72.90	63.46	52.03	37.52	27.40	17.96
270.0	78.50	69.83	61.54	51.57	41.21	31.92	22.87	14.12	6.98
300.0	92.09	86.64	80.19	72.90	63.92	52.18	38.45	28.09	18.57
330.0	103.83	100.30	96.31	92.24	86.79	81.11	74.97	67.38	59.70
360.0	109.89	106.97	104.44	101.75	97.30	91.62	85.49	79.04	72.13

# ROLED 地埋灯

## 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	65.38	57.78	50.03	42.74	35.99	28.16	21.18	12.82	4.53
30.0	54.87	44.05	24.79	13.05	5.53	3.76	2.00	0.84	0.54
60.0	7.83	3.99	3.38	2.61	1.69	0.92	0.84	0.69	0.38
90.0	4.07	3.53	2.92	2.15	1.23	1.00	0.92	0.69	0.31
120.0	7.29	3.99	3.30	2.61	1.69	1.00	0.92	0.69	0.31
150.0	49.57	39.14	22.64	11.36	4.68	3.38	1.76	0.77	0.38
180.0	65.07	57.55	50.26	42.97	35.99	28.47	21.33	13.28	5.45
210.0	50.03	38.75	21.33	10.97	4.76	3.30	1.38	0.84	0.38
240.0	8.59	4.37	3.53	2.92	1.76	1.00	1.00	0.84	0.31
270.0	4.22	3.76	2.99	2.07	1.15	1.07	1.00	0.69	0.31
300.0	9.06	4.45	3.61	2.84	1.84	1.00	0.92	0.77	0.38
330.0	50.65	39.83	22.79	11.82	4.91	3.38	1.46	0.77	0.38
360.0	65.38	57.78	50.03	42.74	35.99	28.16	21.18	12.82	4.53
C/γ(°)	90.0								
0.0	0.23								
30.0	0.08								
60.0	0.00								
90.0	0.00								
120.0	0.00								
150.0	0.08								
180.0	0.15								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	0.23								