

浙大三色

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## ROLED

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灯具名称: 地埋灯

灯具描述: G3053A-27-UN(15-OL-27WN-AA, P1)

报告编号:

电压(V): 201.8000

测试编号: 20210309011

电流(A): 0.1670

光源规格型号: OL

功率(W): 29.9000

每个光源光通量(lm)

功率因数: 0.8850

光源数量: 27

镇流器型号:

发光面长度(mm): 920

发光面宽度(mm): 40

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): 2573.04

灯具效能(lm/w): 86.05

中心光强(cd): 18440.050

最大光强(cd): 20059.210

最大光强角度: C=120.0  $\gamma$ =2.0

半峰边角(50%Imax): [C0/180]Total=15.9

[C90/270]Total=15.0

光束扩散角(10%Imax): [C0/180]Total=33.6

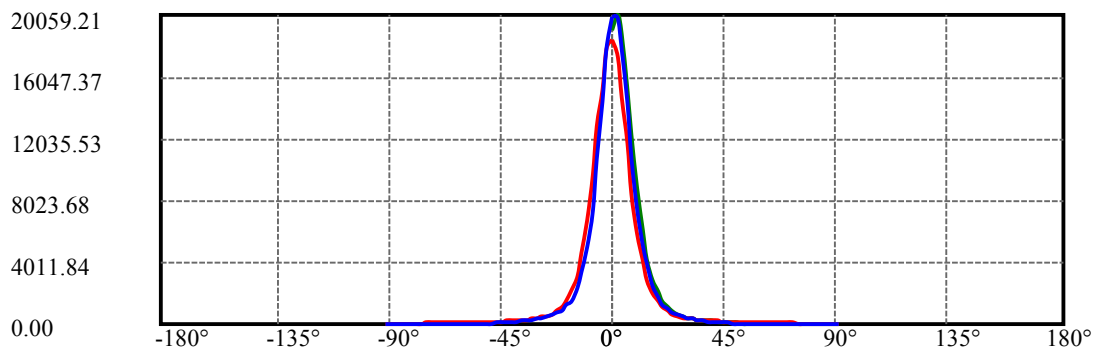
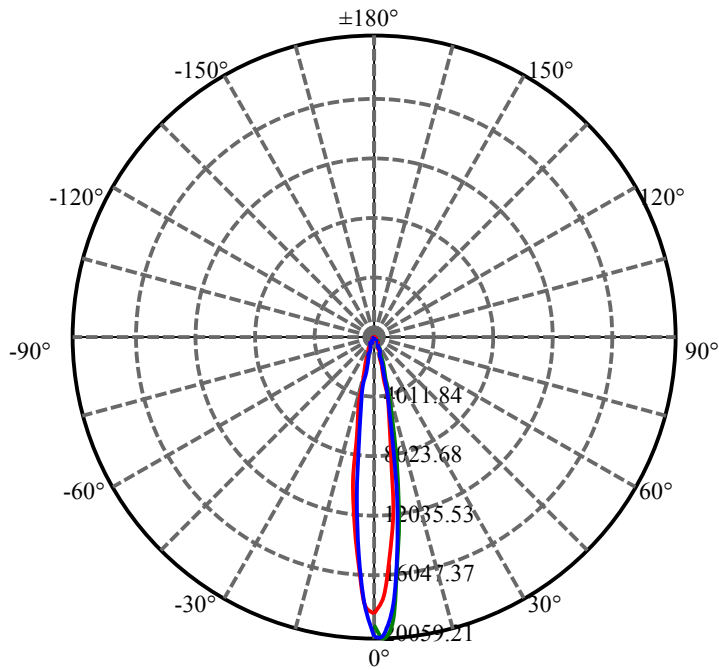
[C90/270]Total=32.3

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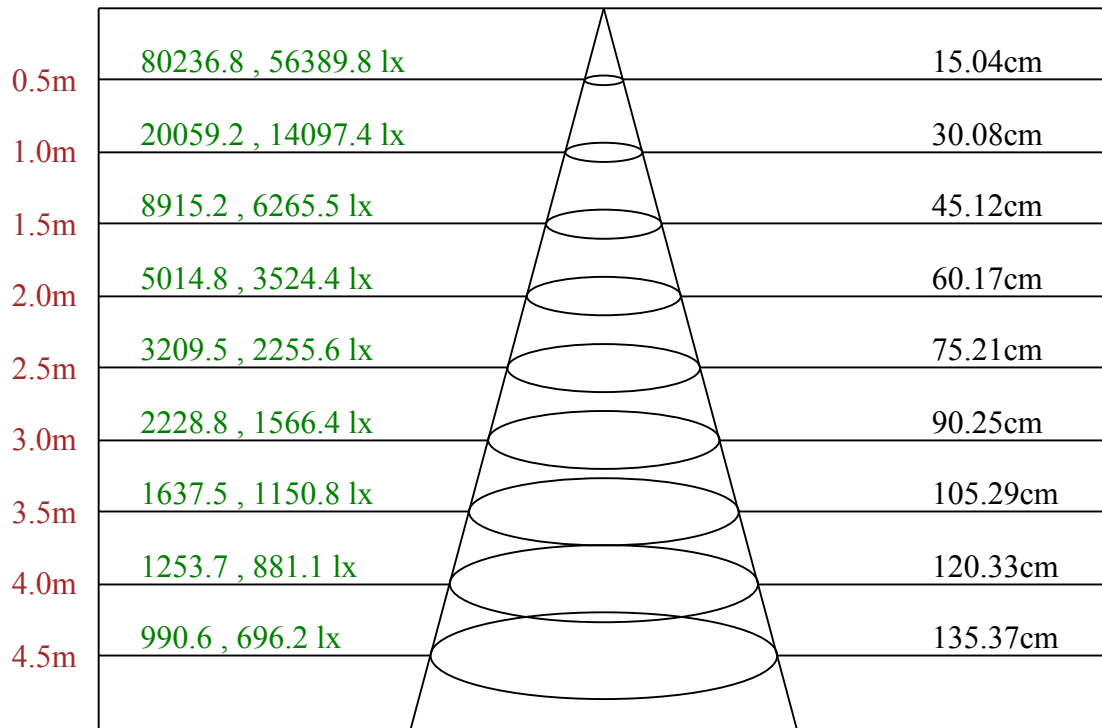
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/9  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

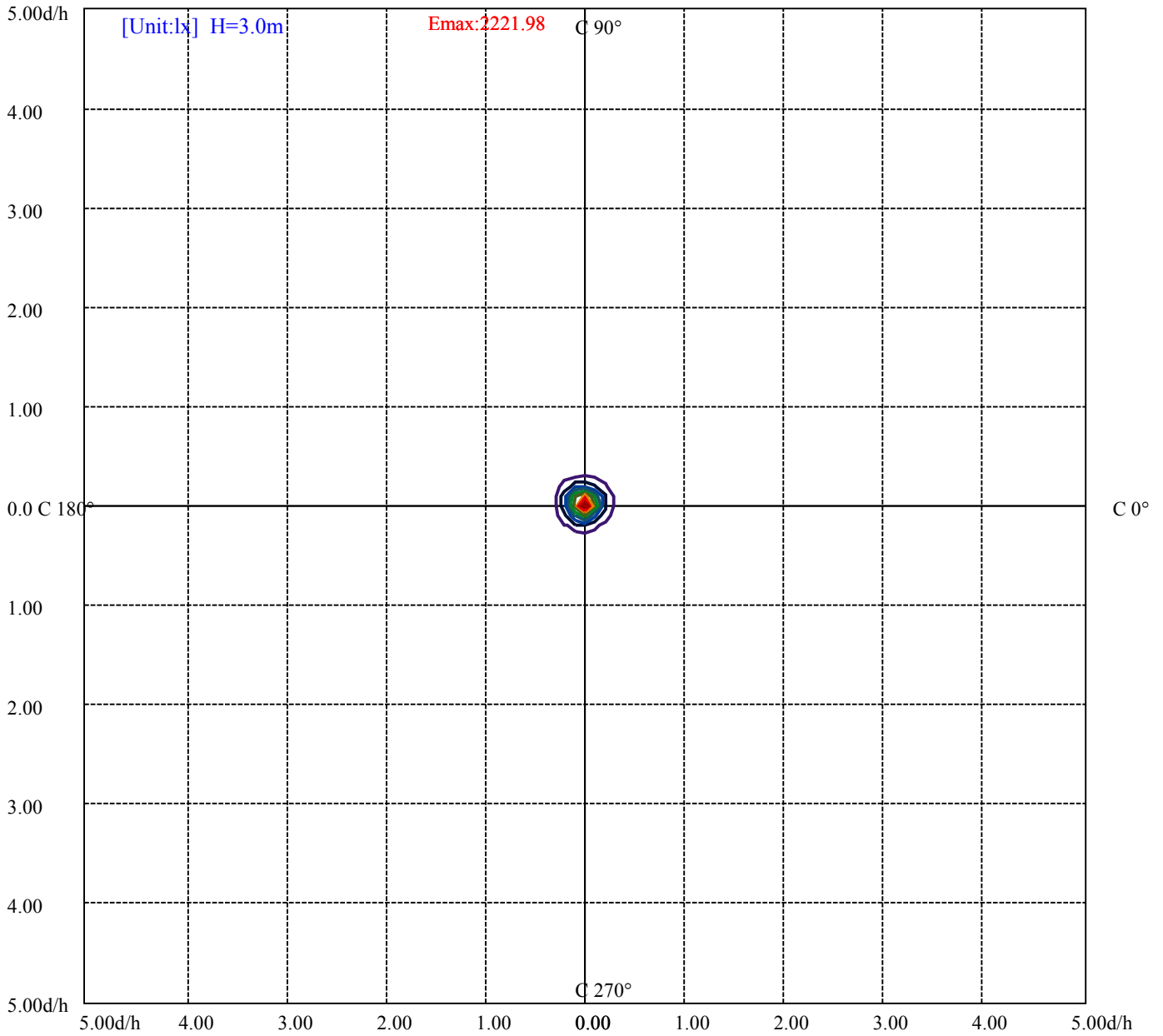


C120(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave C120面光束角17.09

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 222.1978
- (20%Emax) 444.3956
- (30%Emax) 666.5933
- (40%Emax) 888.7911
- (50%Emax) 1110.988
- (60%Emax) 1333.189
- (70%Emax) 1555.389
- (80%Emax) 1777.578
- (90%Emax) 1999.778

# ROLED 地埋灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

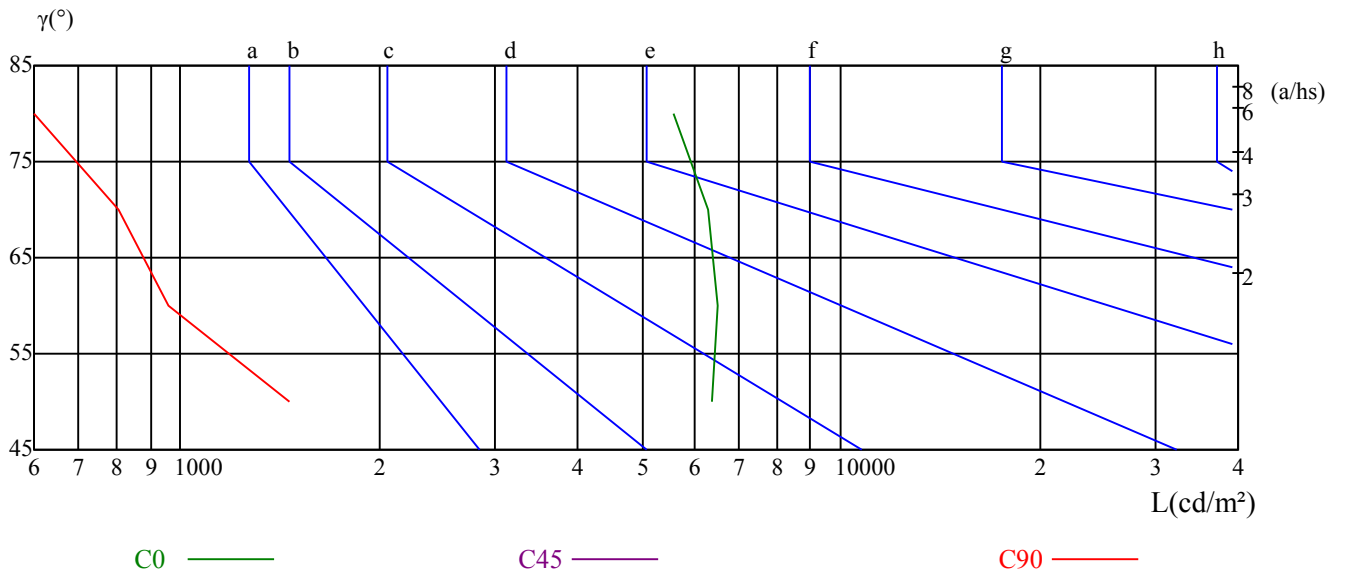
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6394	0	6494	0	6298	0	5596	0
C45	0	0	0	0	0	0	0	0	0
C90	0	1463	0	959	0	805	0	132	0

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

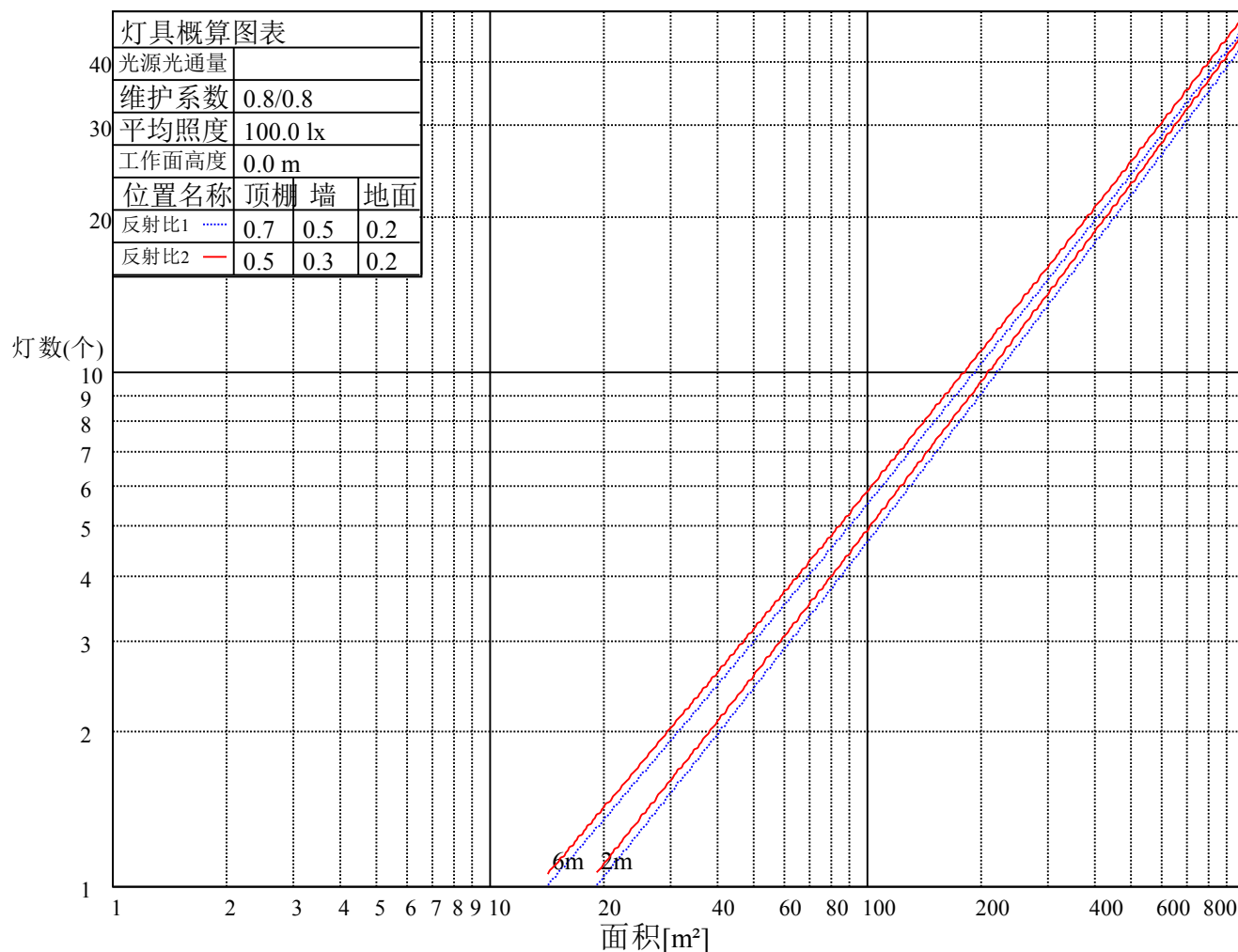
亮度限制曲线



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	-0.63	0.38	-0.27	0.69	1.01	10.91	11.93	11.28	12.24	12.55
	3H	0.81	1.70	1.19	2.04	2.41	12.36	13.25	12.74	13.59	13.95
	4H	1.00	1.83	1.41	2.18	2.57	13.07	13.90	13.48	14.26	14.64
	6H	0.97	1.73	1.39	2.10	2.50	13.71	14.47	14.13	14.85	15.24
	8H	0.92	1.64	1.36	2.03	2.44	13.95	14.66	14.38	15.05	15.46
	12H	0.88	1.56	1.32	1.95	2.38	14.22	14.90	14.65	15.28	15.72
4H	2H	1.24	2.06	1.64	2.42	2.81	10.72	11.55	11.13	11.90	12.29
	3H	2.37	3.05	2.79	3.46	3.86	12.15	12.82	12.56	13.23	13.64
	4H	2.53	3.14	2.97	3.56	4.01	12.92	13.52	13.35	13.94	14.39
	6H	2.50	3.02	2.97	3.47	3.94	13.62	14.13	14.09	14.58	15.06
	8H	2.44	2.92	2.92	3.37	3.85	13.93	14.42	14.41	14.87	15.34
	12H	2.39	2.81	2.89	3.30	3.78	14.27	14.69	14.76	15.18	15.65
8H	4H	2.78	3.26	3.26	3.71	4.19	12.75	13.24	13.23	13.69	14.16
	6H	2.76	3.14	3.27	3.64	4.13	13.47	13.85	13.97	14.35	14.84
	8H	2.70	3.04	3.24	3.56	4.06	13.82	14.16	14.35	14.68	15.17
	12H	3.28	3.58	3.81	4.07	4.65	14.59	14.89	15.12	15.38	15.96
12H	4H	2.90	3.31	3.39	3.80	4.28	12.69	13.11	13.18	13.60	14.07
	6H	3.17	3.22	3.42	3.69	4.24	13.68	13.74	13.93	14.21	14.76
	8H	2.85	3.14	3.37	3.64	4.22	13.77	14.06	14.29	14.56	15.14
对应照射距离，改变观察者位置S											
S = 1.0H	2.2/-4.0					0.3/-0.7					
S = 1.5H	4.0/-5.0					0.9/-1.0					
S = 2.0H	5.6/-5.3					2.1/-2.5					
标准表格	BK1					BK1					
更正系数	-8.4					-1.9					

# 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	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96
2	1.06	1.03	1.00	1.05	1.02	0.99	1.01	0.99	0.97	0.99	0.97	0.95	0.96	0.94	0.93	0.91
3	1.01	0.97	0.94	1.00	0.96	0.93	0.97	0.94	0.92	0.95	0.93	0.90	0.93	0.91	0.89	0.88
4	0.97	0.92	0.89	0.96	0.92	0.89	0.94	0.90	0.88	0.92	0.89	0.87	0.90	0.88	0.86	0.84
5	0.93	0.89	0.85	0.92	0.88	0.85	0.90	0.87	0.84	0.89	0.86	0.83	0.88	0.85	0.83	0.82
6	0.90	0.85	0.82	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.81	0.85	0.82	0.80	0.79
7	0.87	0.82	0.79	0.86	0.82	0.79	0.85	0.81	0.78	0.84	0.81	0.78	0.83	0.80	0.78	0.77
8	0.84	0.80	0.77	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.76	0.75
9	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.74	0.73
10	0.79	0.75	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.72	0.71



ROLED 地埋灯

光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	18440.05	17319.68	14725.95	11671.79	8517.87	5862.75	4090.11	2843.13	1995.94
30.0	19982.47	19591.11	17388.74	14027.63	10612.81	7420.53	5141.42	3928.97	2450.23
60.0	20013.17	19545.07	17097.14	13719.15	10045.72	7059.09	4793.80	3291.28	2314.41
90.0	19882.71	19867.36	17810.80	14334.58	10781.63	7481.92	5057.01	3928.97	2487.83
120.0	19115.34	20059.21	18839.08	15209.39	12383.91	8801.04	6147.45	4176.06	2889.17
150.0	18631.89	19468.33	18370.98	15685.17	12423.82	8993.65	6185.05	4289.63	2952.10
180.0	18440.05	17833.82	15262.34	12789.09	9697.33	6773.63	4613.46	3135.50	2219.25
210.0	19982.47	18432.37	15263.88	12029.39	8738.88	5936.42	4069.39	2700.40	1928.42
240.0	20013.17	18470.74	15447.28	11779.22	8318.36	5686.26	3959.66	2632.10	1847.07
270.0	19882.71	17795.45	14456.60	10698.76	7356.83	5016.34	3401.78	2361.98	1516.41
300.0	19115.34	16506.26	12776.81	9193.16	6415.26	4297.31	3021.93	2112.59	1535.52
330.0	18631.89	15253.90	12799.06	9526.21	6583.32	4479.17	3162.36	2229.23	1522.55
360.0	18440.05	17319.68	14725.95	11671.79	8517.87	5862.75	4090.11	2843.13	1995.94
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1442.67	1076.63	812.65	647.67	521.05	428.96	368.03	320.07	281.01
30.0	1740.41	1283.05	956.15	738.22	592.41	480.38	403.64	345.09	298.82
60.0	1518.71	1231.72	941.49	730.39	576.76	467.26	390.06	330.51	280.78
90.0	1779.54	1303.77	953.08	742.82	582.44	465.80	387.52	317.23	263.21
120.0	2061.94	1508.89	1099.50	852.17	664.32	527.03	433.41	366.50	311.17
150.0	2113.35	1492.55	1105.79	832.60	656.11	515.68	422.06	359.82	311.40
180.0	1519.10	1180.30	880.56	682.58	551.59	444.62	378.24	324.75	285.85
210.0	1398.39	1037.95	791.32	625.72	509.61	421.83	358.90	308.87	274.11
240.0	1356.72	1000.66	771.98	612.37	494.96	408.24	351.46	302.65	261.21
270.0	1245.68	922.16	725.71	575.92	464.88	386.83	326.13	272.96	230.06
300.0	1122.67	853.32	672.22	537.93	445.08	387.52	322.30	278.40	240.27
330.0	1185.21	898.29	700.08	566.78	461.12	388.06	333.66	292.52	258.68
360.0	1442.67	1076.63	812.65	647.67	521.05	428.96	368.03	320.07	281.01
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	251.78	229.68	209.49	193.53	179.95	168.36	158.92	151.25	143.50
30.0	262.52	235.89	213.25	194.22	178.95	165.75	155.01	142.96	133.75
60.0	242.03	206.42	177.34	151.25	128.23	104.29	80.57	62.16	44.43
90.0	218.55	180.26	150.33	118.64	91.01	68.53	49.19	34.61	24.71
120.0	265.59	228.60	195.45	167.67	143.50	120.71	97.23	74.28	56.48
150.0	273.95	242.87	219.39	198.67	182.71	168.90	156.47	146.57	135.83
180.0	254.77	230.52	211.49	194.84	180.33	167.90	157.93	149.25	141.81
210.0	244.03	219.16	200.21	184.25	171.66	159.23	149.79	139.51	130.30
240.0	227.37	197.06	171.97	148.10	128.61	106.90	83.26	64.23	45.81
270.0	196.91	164.60	138.36	110.12	84.49	63.23	44.35	32.08	22.33
300.0	208.50	180.72	157.62	136.44	115.03	90.09	69.91	51.26	36.91
330.0	231.75	209.80	191.69	178.03	164.22	153.94	143.58	133.75	123.62
360.0	251.78	229.68	209.49	193.53	179.95	168.36	158.92	151.25	143.50
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	136.67	130.15	124.78	119.48	112.88	105.51	97.00	88.25	79.27
30.0	123.55	112.65	100.83	86.64	68.83	47.35	31.54	18.26	12.12
60.0	31.69	20.26	16.96	16.50	16.27	15.50	14.50	13.12	11.36
90.0	18.72	18.42	18.26	17.65	16.81	15.81	14.43	12.35	10.13
120.0	40.21	27.86	17.96	16.73	16.19	15.81	14.89	13.81	12.51
150.0	127.92	117.49	106.67	94.92	80.57	61.70	41.36	26.55	15.04
180.0	135.75	129.23	123.16	116.79	111.50	105.05	96.54	88.32	80.34
210.0	120.55	109.96	99.38	85.41	64.61	44.74	29.47	16.88	12.51
240.0	32.92	21.03	18.49	18.03	17.57	16.65	15.42	13.74	11.36
270.0	20.49	20.18	19.88	19.11	18.03	16.35	13.97	11.36	8.82
300.0	24.17	18.72	18.26	17.96	17.04	15.96	14.43	12.12	9.52
330.0	113.26	102.14	88.25	68.91	47.58	32.31	19.03	12.97	12.05
360.0	136.67	130.15	124.78	119.48	112.88	105.51	97.00	88.25	79.27

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	70.52	60.85	52.57	44.20	35.76	27.40	18.42	9.06	0.84
30.0	11.13	10.36	9.29	7.90	5.68	3.30	1.38	0.54	0.31
60.0	9.06	6.75	4.76	2.69	1.30	0.69	0.54	0.46	0.31
90.0	7.67	5.68	3.61	1.92	0.84	0.77	0.69	0.46	0.38
120.0	10.44	8.13	5.91	3.99	2.07	0.92	0.69	0.54	0.38
150.0	11.13	10.36	9.59	8.52	6.83	4.53	2.46	0.84	0.54
180.0	70.83	62.39	54.25	46.04	37.83	29.24	20.11	11.59	4.83
210.0	11.82	10.74	9.36	7.29	4.83	2.69	0.84	0.54	0.23
240.0	8.75	6.37	4.30	2.07	0.92	0.69	0.54	0.38	0.31
270.0	6.52	4.14	2.23	1.07	0.84	0.69	0.54	0.46	0.23
300.0	7.06	4.83	2.69	1.30	0.77	0.54	0.46	0.23	0.00
330.0	11.13	9.90	7.98	5.68	3.22	1.30	0.61	0.31	0.23
360.0	70.52	60.85	52.57	44.20	35.76	27.40	18.42	9.06	0.84
C/γ(°)	90.0								
0.0	0.23								
30.0	0.23								
60.0	0.08								
90.0	0.15								
120.0	0.31								
150.0	0.31								
180.0	0.31								
210.0	0.08								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	0.23								