

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 (30-OD-27WN-AA, P1)

报告编号:

电压(V): 35.6000

测试编号: 20210408002

电流(A): 0.7250

光源规格型号: OD

功率(W): 25.8000

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): 2520.64

灯具效能(lm/w): 97.70

中心光强(cd): 7192.616

最大光强(cd): 7224.078

最大光强角度: C=90.0  $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=29.3

[C90/270]Total=29.1

光束扩散角(10%Imax): [C0/180]Total=55.1

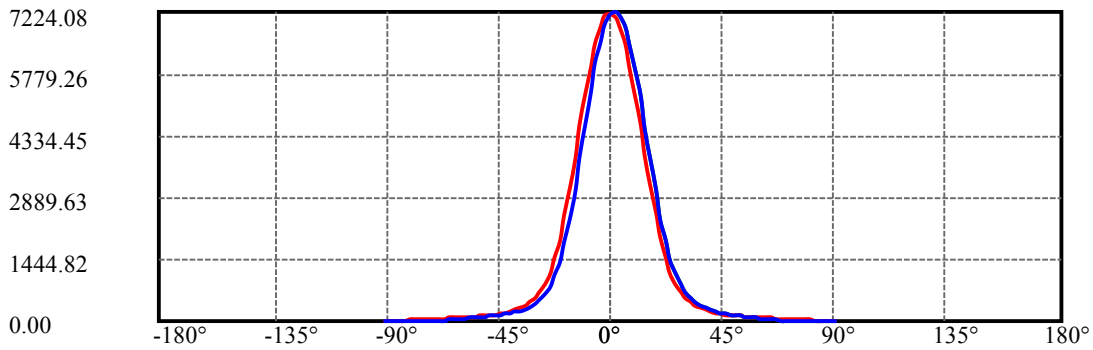
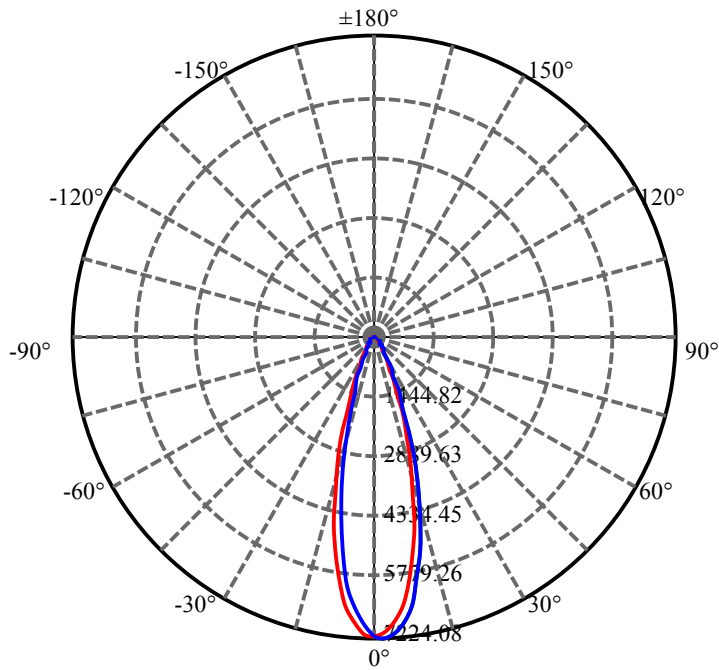
[C90/270]Total=54.4

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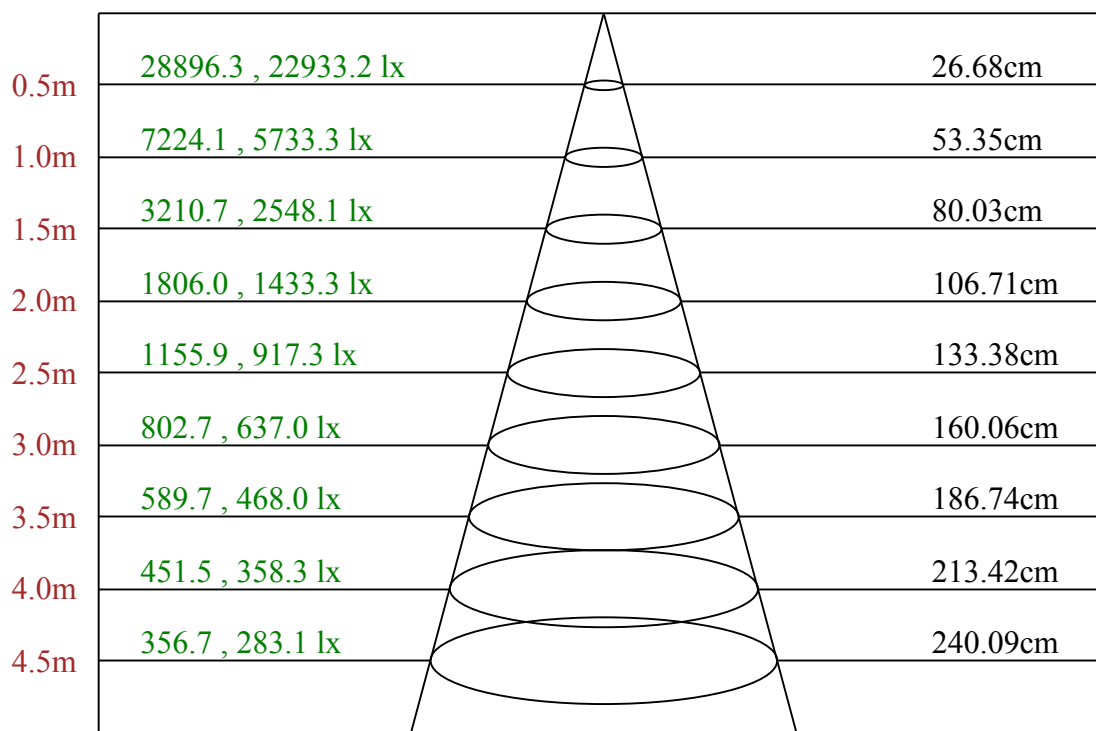
测试设备: GMS1800  
环境温度(°C): 25.0

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

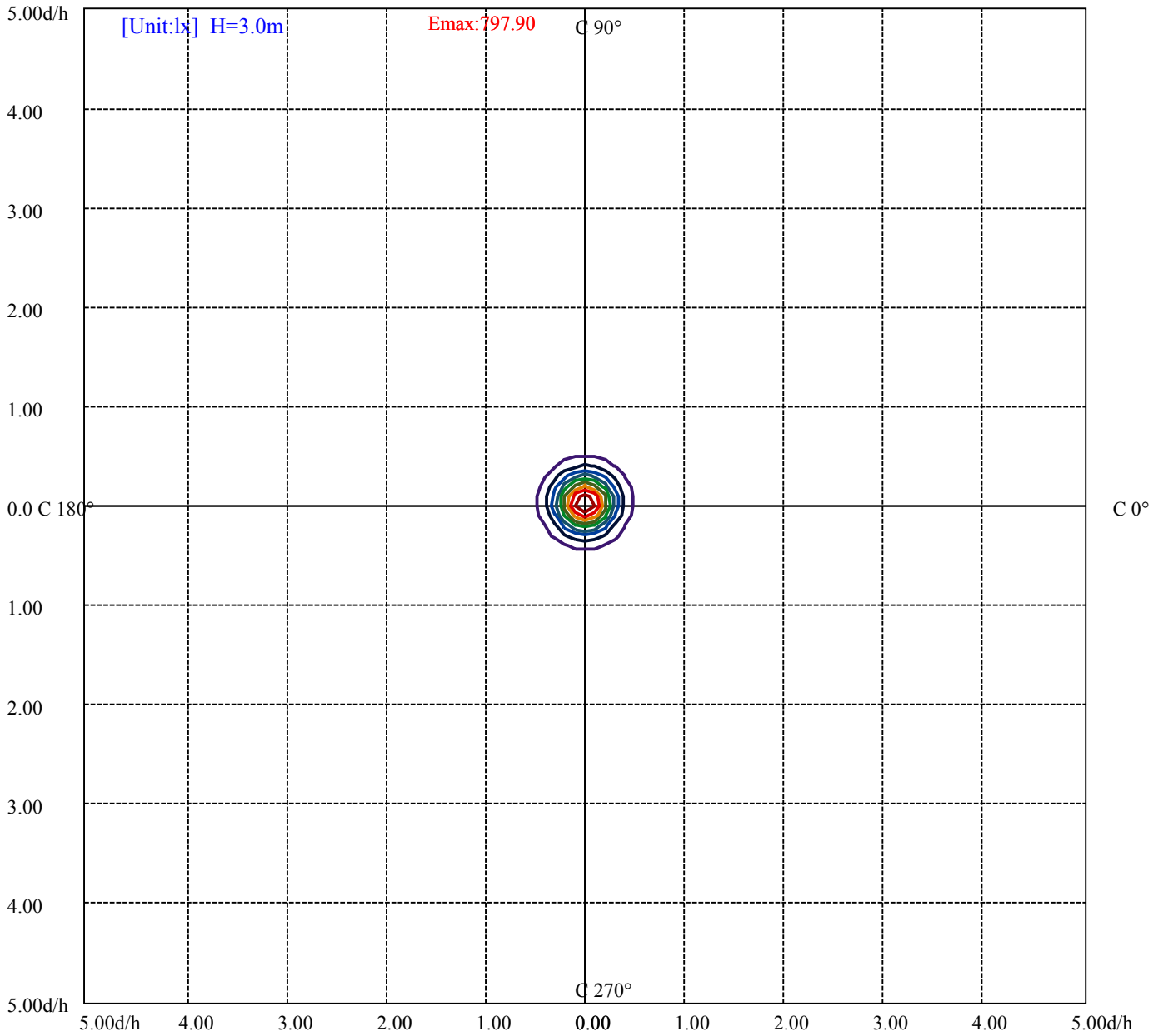


C90(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave    C90面光束角29.84

ROLED 地埋灯  
平面等照度曲线



- (10%E<sub>max</sub>) 79.79012
- (20%E<sub>max</sub>) 159.58
- (30%E<sub>max</sub>) 239.37
- (40%E<sub>max</sub>) 319.16
- (50%E<sub>max</sub>) 398.95
- (60%E<sub>max</sub>) 478.74
- (70%E<sub>max</sub>) 558.53
- (80%E<sub>max</sub>) 638.3211
- (90%E<sub>max</sub>) 718.1111

# ROLED 地埋灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

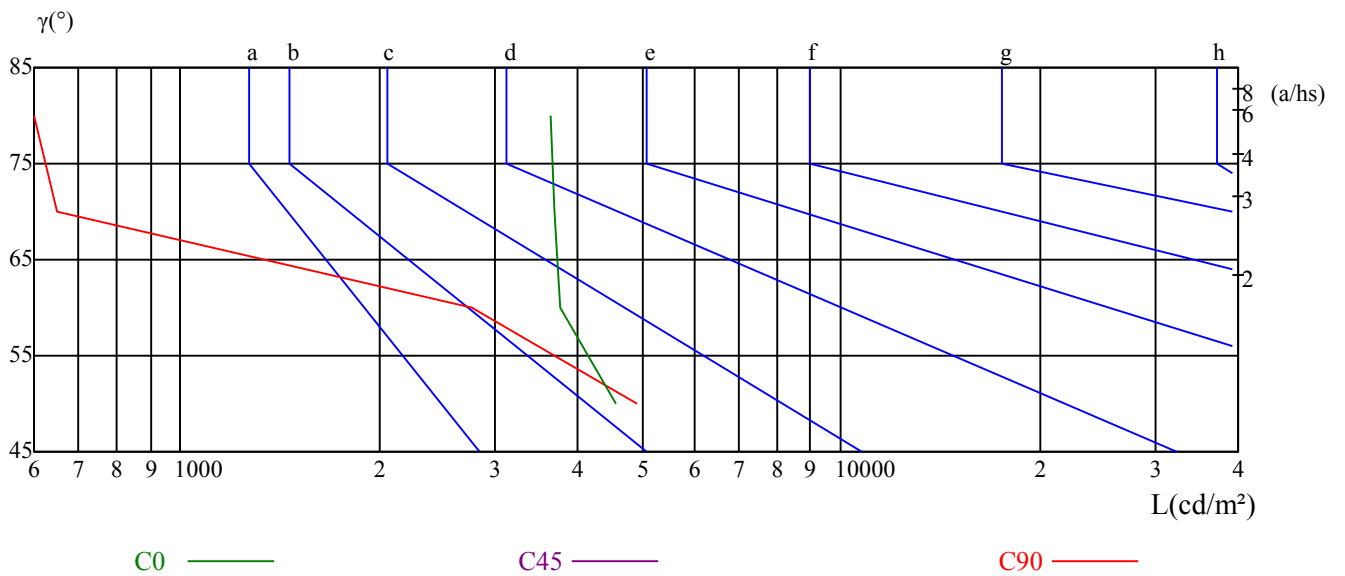
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	4565	0	3748	0	3677	0	3642	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4916	0	2760	0	649	0	215	0

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

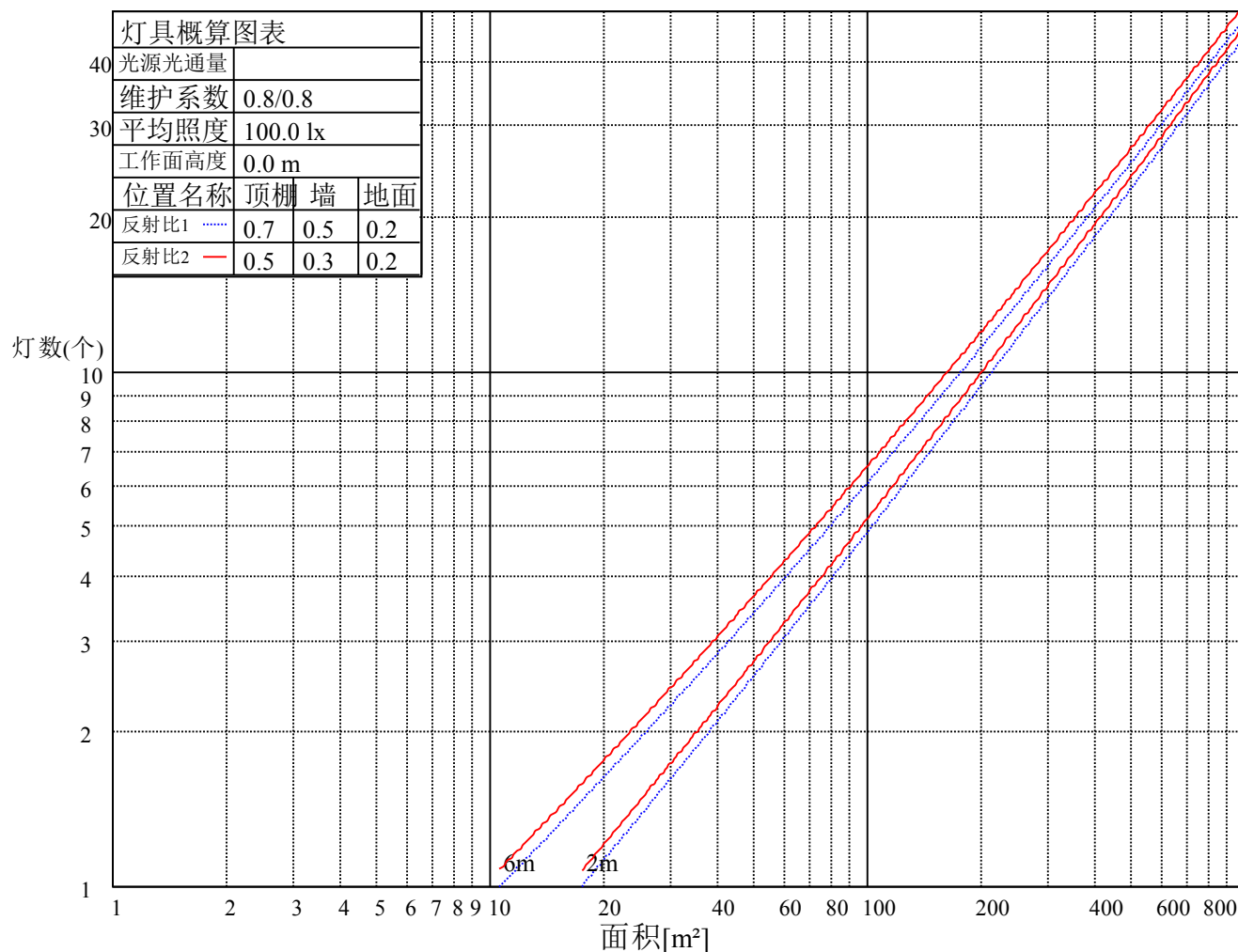
亮度限制曲线



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	8.16	9.21	8.52	9.52	9.83	9.34	10.39	9.70	10.70	11.02
	3H	8.25	9.18	8.64	9.51	9.88	11.06	11.99	11.44	12.32	12.69
	4H	8.18	9.04	8.58	9.39	9.78	11.72	12.58	12.13	12.93	13.32
	6H	8.08	8.87	8.50	9.24	9.64	12.21	12.99	12.63	13.37	13.77
	8H	8.03	8.77	8.46	9.16	9.57	12.38	13.12	12.81	13.51	13.92
	12H	7.98	8.68	8.41	9.07	9.50	12.59	13.29	13.02	13.68	14.11
4H	2H	8.60	9.46	9.01	9.81	10.20	9.59	10.45	9.99	10.80	11.19
	3H	8.74	9.45	9.16	9.86	10.26	11.56	12.27	11.98	12.67	13.08
	4H	8.65	9.28	9.09	9.70	10.15	12.28	12.91	12.72	13.33	13.78
	6H	8.56	9.09	9.03	9.54	10.02	12.75	13.28	13.22	13.73	14.21
	8H	8.49	8.99	8.97	9.44	9.92	12.93	13.43	13.41	13.88	14.36
	12H	8.44	8.87	8.93	9.36	9.84	13.15	13.59	13.64	14.07	14.55
8H	4H	8.82	9.32	9.30	9.77	10.25	12.19	12.68	12.66	13.13	13.61
	6H	8.72	9.12	9.23	9.62	10.10	12.65	13.05	13.16	13.55	14.04
	8H	8.66	9.01	9.19	9.53	10.03	12.86	13.21	13.39	13.74	14.23
	12H	9.24	9.54	9.76	10.04	10.62	13.67	13.97	14.19	14.47	15.05
12H	4H	8.79	9.23	9.28	9.71	10.19	12.13	12.56	12.62	13.05	13.52
	6H	9.00	9.04	9.22	9.51	10.06	12.91	12.94	13.13	13.41	13.96
	8H	8.64	8.94	9.16	9.44	10.02	12.81	13.12	13.34	13.62	14.20
对应照射距离，改变观察者位置S											
S = 1.0H	1.3/-1.3					0.5/-0.7					
S = 1.5H	2.7/-3.3					1.2/-1.1					
S = 2.0H	5.3/-5.4					2.4/-1.3					
标准表格	BK1					BK2					
更正系数	-4.3					-2.1					

# 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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.04	1.00	0.97	1.02	0.99	0.96	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.92	0.90	0.88
3	0.98	0.93	0.90	0.97	0.92	0.89	0.94	0.90	0.88	0.92	0.89	0.86	0.89	0.87	0.85	0.83
4	0.93	0.87	0.84	0.91	0.87	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.80	0.79
5	0.88	0.83	0.79	0.87	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.75
6	0.84	0.78	0.74	0.83	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.71
7	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.68
8	0.76	0.71	0.68	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.65
9	0.73	0.68	0.65	0.73	0.68	0.65	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.63
10	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.61



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	7192.62	7102.06	6863.41	6458.24	5927.21	5268.80	4588.14	3863.74	3136.27
30.0	7177.27	7184.17	7029.93	6715.31	6260.25	5703.14	5024.01	4300.38	3597.46
60.0	7184.94	7204.13	7054.49	6771.33	6323.95	5771.43	5070.05	4360.23	3609.74
90.0	7165.76	7224.08	7117.41	6848.83	6459.00	5898.05	5228.90	4502.19	3782.40
120.0	7186.48	7205.66	7062.93	6759.82	6300.92	5734.60	5052.40	4303.44	3546.81
150.0	7179.57	7187.24	7023.03	6696.89	6248.74	5638.68	4941.13	4242.82	3495.40
180.0	7192.62	7122.78	6880.29	6478.96	5921.07	5281.85	4558.21	3802.35	3111.71
210.0	7177.27	7000.77	6674.64	6186.59	5586.50	4815.28	4097.79	3343.46	2644.38
240.0	7184.94	7003.84	6622.45	6130.57	5489.04	4783.05	4011.07	3303.55	2604.47
270.0	7165.76	6927.10	6521.93	6002.42	5328.66	4562.82	3828.44	3070.27	2385.77
300.0	7186.48	6991.56	6650.85	6143.61	5515.13	4777.68	4052.51	3311.23	2647.45
330.0	7179.57	7004.61	6665.43	6214.98	5573.45	4895.09	4159.18	3447.82	2740.30
360.0	7192.62	7102.06	6863.41	6458.24	5927.21	5268.80	4588.14	3863.74	3136.27
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2515.46	1953.74	1481.80	1125.74	874.81	674.52	534.09	436.64	358.83
30.0	2898.38	2277.57	1748.85	1350.58	1030.59	795.00	630.02	502.63	413.62
60.0	2938.28	2295.22	1753.45	1363.24	1039.33	802.60	633.55	513.45	419.75
90.0	3054.16	2399.58	1867.03	1421.95	1099.65	847.18	663.78	529.49	429.73
120.0	2876.89	2238.44	1707.41	1327.48	1012.55	793.24	626.33	502.32	411.01
150.0	2828.55	2212.35	1695.13	1290.73	999.89	771.98	606.99	490.35	401.34
180.0	2463.28	1896.95	1470.83	1119.60	855.39	672.30	533.02	430.27	358.06
210.0	2078.82	1517.10	1216.75	929.83	716.12	561.57	456.05	372.18	310.48
240.0	2010.53	1533.98	1153.37	893.23	692.17	541.00	438.94	361.36	303.88
270.0	1850.91	1402.23	1054.91	807.59	632.70	498.41	406.71	334.35	280.86
300.0	2047.36	1563.91	1177.15	897.83	703.68	549.44	445.08	388.29	303.96
330.0	2137.14	1522.47	1252.74	954.92	742.59	578.75	467.64	376.01	315.70
360.0	2515.46	1953.74	1481.80	1125.74	874.81	674.52	534.09	436.64	358.83
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	304.65	259.07	225.30	197.52	175.42	155.47	139.59	126.77	114.80
30.0	344.63	291.91	251.01	220.01	193.30	171.43	154.24	139.28	126.62
60.0	354.22	301.20	259.45	227.60	199.52	175.96	156.24	139.59	126.00
90.0	361.82	305.80	264.28	228.83	199.06	174.42	154.93	136.52	120.71
120.0	347.47	295.82	255.08	222.39	196.29	173.20	153.78	138.05	124.01
150.0	335.34	286.92	247.25	215.40	189.47	169.05	151.40	137.28	124.93
180.0	301.66	258.22	224.00	197.45	174.27	155.85	139.13	126.39	114.72
210.0	266.97	230.67	203.35	179.49	161.07	145.49	132.60	121.78	112.04
240.0	259.60	225.53	197.37	176.27	157.77	141.89	129.38	118.02	106.20
270.0	241.49	211.34	186.09	165.75	148.95	134.14	120.94	108.35	96.77
300.0	259.76	226.91	198.06	175.73	157.93	141.81	129.30	117.33	106.05
330.0	268.81	231.59	203.82	180.49	160.77	145.65	132.76	121.25	111.88
360.0	304.65	259.07	225.30	197.52	175.42	155.47	139.59	126.77	114.80
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	104.75	96.00	88.09	80.96	74.74	69.06	63.92	59.24	54.33
30.0	115.64	106.59	97.84	90.01	82.95	76.05	70.06	63.39	56.63
60.0	112.50	100.99	89.25	76.89	63.62	49.04	36.99	27.86	19.64
90.0	106.44	91.24	75.43	59.63	45.28	35.76	26.24	18.03	9.59
120.0	111.27	98.61	87.40	75.13	62.54	48.11	35.91	27.24	18.72
150.0	114.03	104.52	96.38	88.17	80.11	72.06	64.00	56.10	50.19
180.0	104.59	96.15	88.02	80.80	74.74	68.91	63.77	59.09	54.48
210.0	103.90	95.85	88.71	82.11	75.97	69.91	63.31	56.94	49.80
240.0	95.92	86.87	76.51	65.69	54.33	41.59	31.46	22.41	13.66
270.0	84.87	72.13	59.39	46.81	37.14	27.93	18.95	10.13	4.60
300.0	95.77	86.64	76.43	65.69	54.56	41.82	31.69	22.64	14.04
330.0	103.37	95.62	88.48	81.88	75.51	69.60	63.39	56.71	50.11
360.0	104.75	96.00	88.09	80.96	74.74	69.06	63.92	59.24	54.33

ROLED 地理灯

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	49.34	44.12	38.37	33.07	27.32	20.80	14.58	7.90	2.38
30.0	49.11	40.59	27.01	14.66	6.45	3.61	2.30	0.77	0.46
60.0	10.74	4.30	3.45	2.84	2.00	1.07	0.84	0.84	0.46
90.0	4.60	3.76	3.30	2.46	1.61	1.00	1.00	0.77	0.46
120.0	9.98	4.22	3.53	2.76	1.92	0.92	0.84	0.77	0.46
150.0	43.74	36.14	22.71	12.97	5.45	3.15	2.00	0.69	0.54
180.0	49.65	44.28	38.52	33.15	27.17	21.26	14.81	8.21	2.84
210.0	41.82	30.00	17.19	8.44	3.76	2.46	0.92	0.61	0.31
240.0	5.45	3.68	2.99	2.23	1.23	0.84	0.84	0.46	0.15
270.0	3.84	3.22	2.46	1.61	1.00	1.00	0.84	0.46	0.00
300.0	5.76	3.76	3.07	2.30	1.23	0.92	0.84	0.54	0.15
330.0	42.05	31.39	18.03	9.29	3.84	2.53	1.00	0.69	0.31
360.0	49.34	44.12	38.37	33.07	27.32	20.80	14.58	7.90	2.38
C/γ(°)	90.0								
0.0	0.08								
30.0	0.15								
60.0	0.08								
90.0	0.15								
120.0	0.08								
150.0	0.15								
180.0	0.08								
210.0	0.08								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.08								
360.0	0.08								