

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

报告编号:

电压(V): 35.6000

测试编号: 20210408001

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): 2526.51

灯具效能(lm/w): 97.93

中心光强(cd): 11962.630

最大光强(cd): 12103.050

最大光强角度: C=90.0  $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=21.4

[C90/270]Total=21.0

光束扩散角(10%Imax): [C0/180]Total=42.0

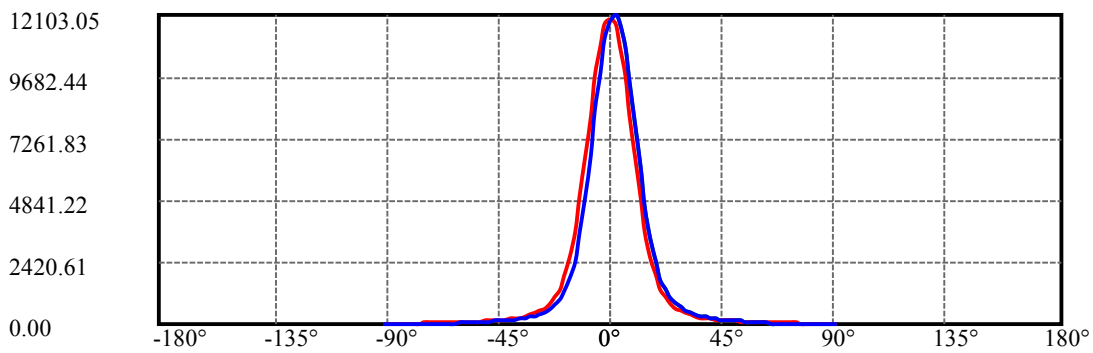
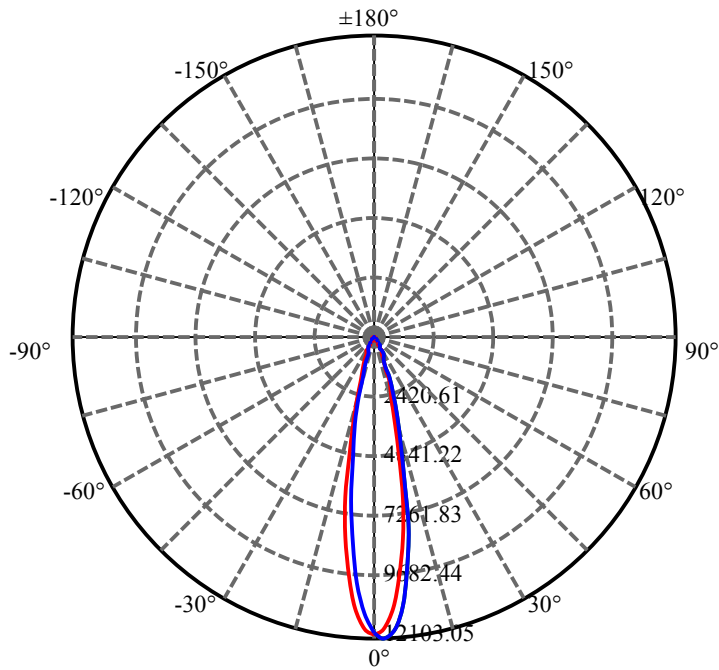
[C90/270]Total=41.5

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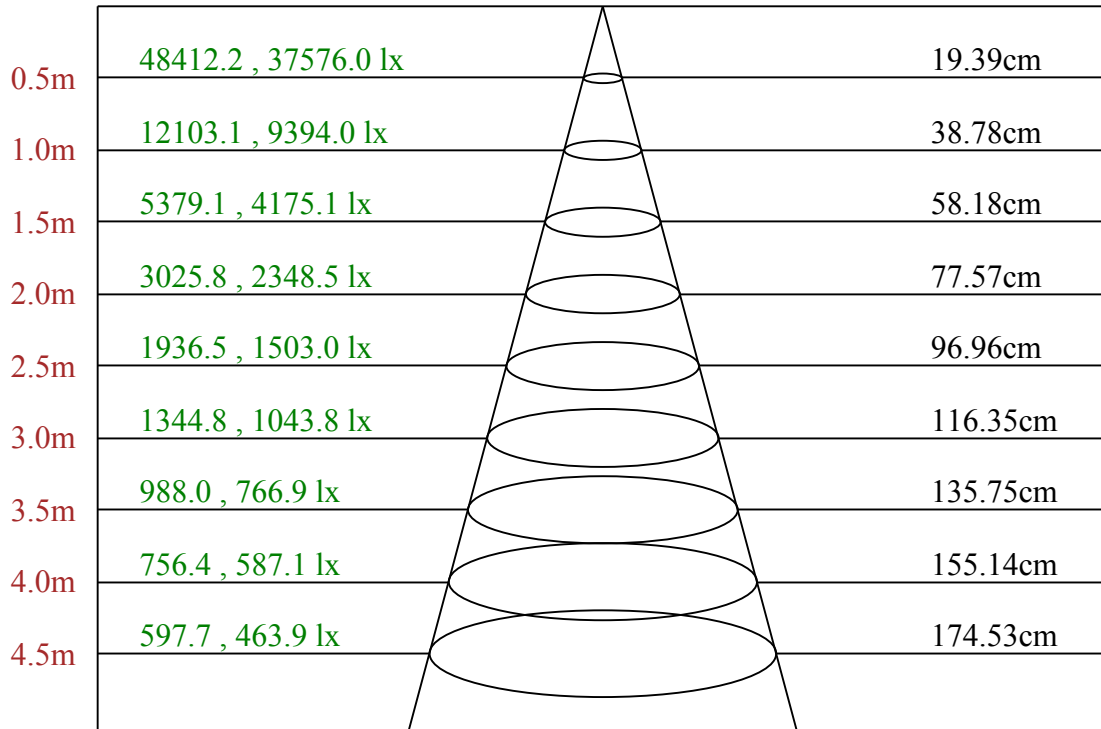
测试设备: GMS1800  
环境温度(°C): 25.0

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

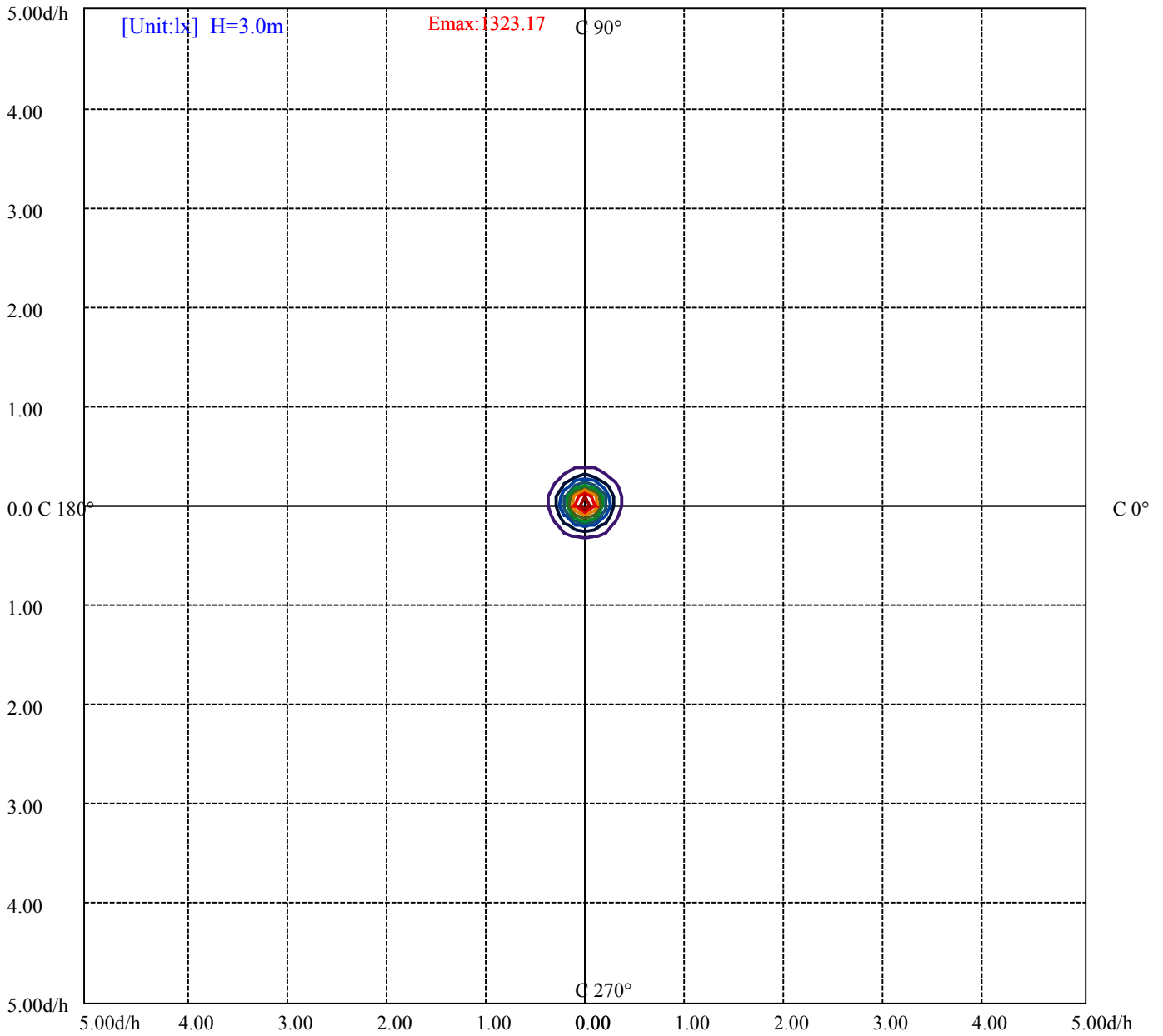


C90(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C90面光束角21.93

ROLED 地埋灯  
平面等照度曲线



(10%Emax) 132.3167	——
(20%Emax) 264.6344	——
(30%Emax) 396.9511	——
(40%Emax) 529.2678	——
(50%Emax) 661.5856	——
(60%Emax) 793.9022	——
(70%Emax) 926.2189	——
(80%Emax) 1058.537	——
(90%Emax) 1190.856	——

# ROLED 地埋灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

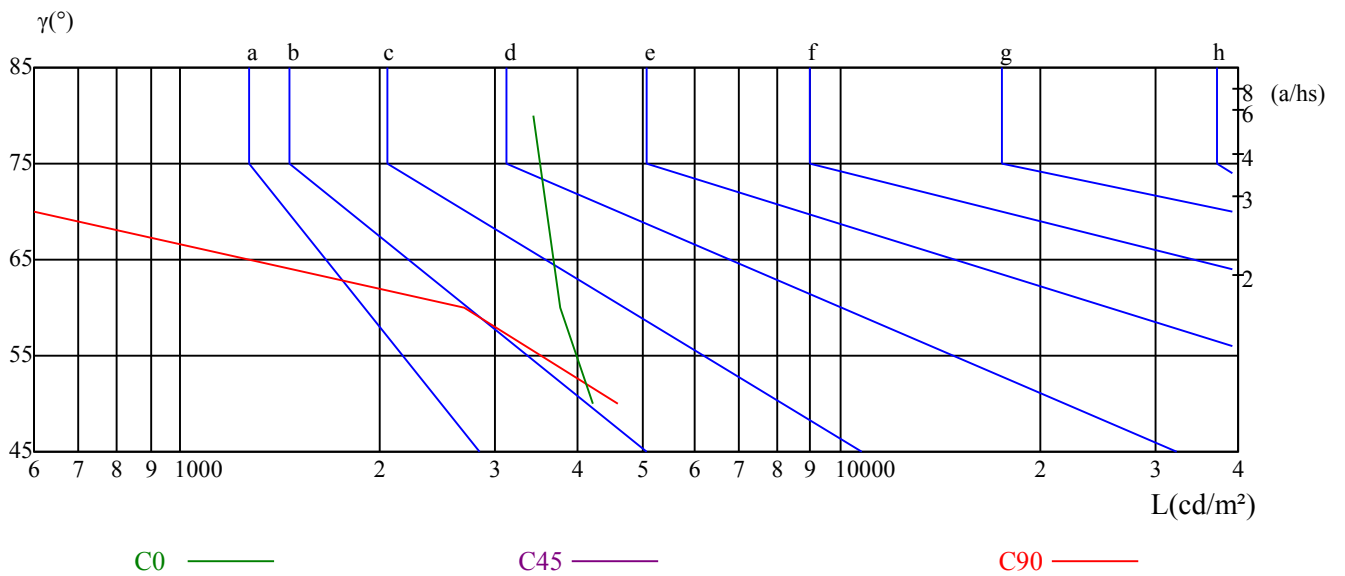
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	4223	0	3752	0	3594	0	3417	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4609	0	2693	0	587	0	215	0

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	<=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

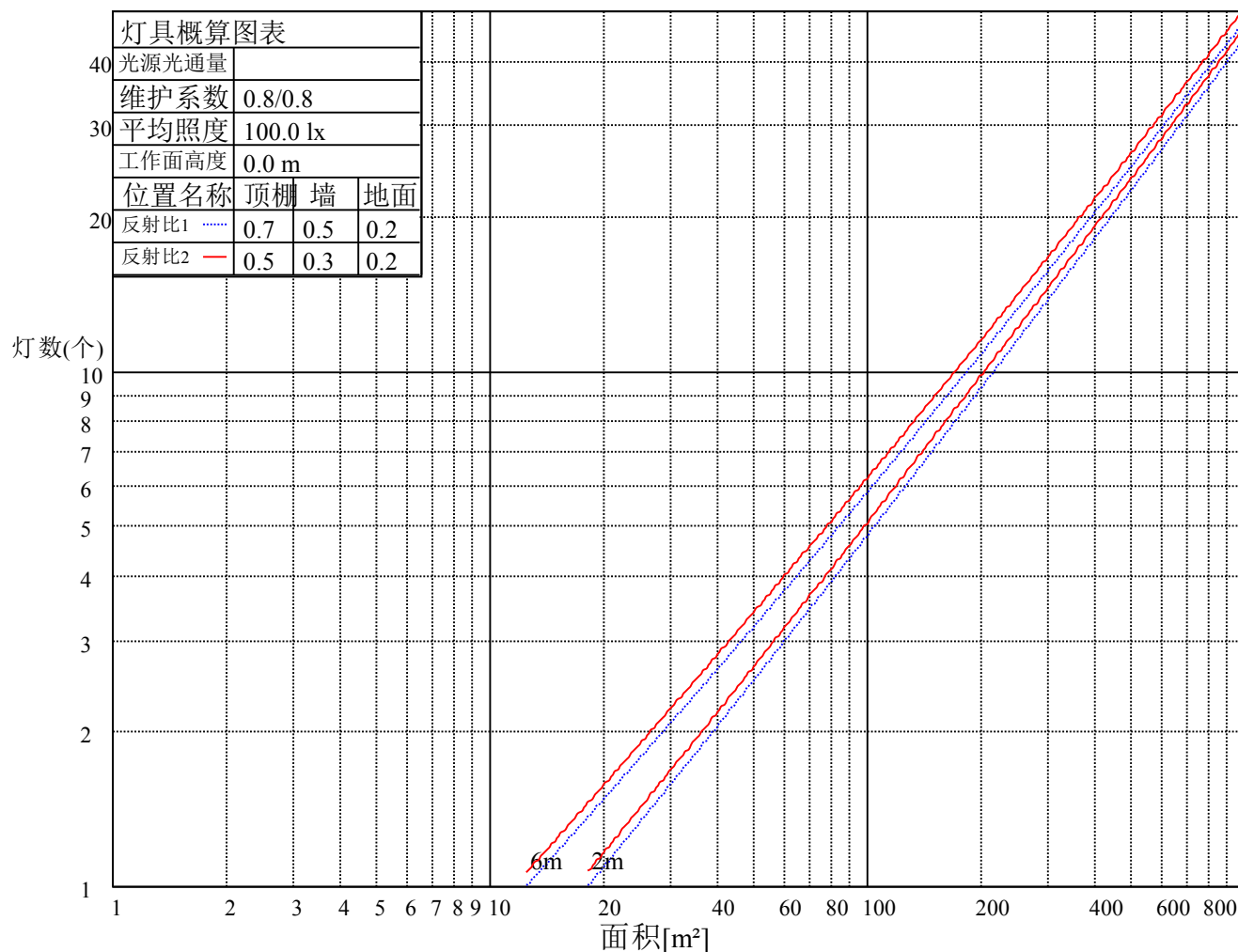
亮度限制曲线



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	8.01	9.05	8.37	9.36	9.67	9.21	10.25	9.57	10.56	10.87
	3H	8.08	9.00	8.47	9.33	9.70	10.94	11.86	11.32	12.19	12.56
	4H	8.00	8.85	8.41	9.21	9.59	11.56	12.41	11.96	12.76	13.15
	6H	7.91	8.68	8.32	9.06	9.45	12.00	12.78	12.42	13.16	13.55
	8H	7.85	8.58	8.29	8.98	9.39	12.16	12.89	12.59	13.28	13.69
	12H	7.80	8.50	8.24	8.88	9.31	12.35	13.05	12.79	13.44	13.87
4H	2H	8.47	9.32	8.88	9.67	10.06	9.47	10.31	9.87	10.67	11.06
	3H	8.58	9.28	9.00	9.68	10.09	11.44	12.14	11.86	12.55	12.95
	4H	8.49	9.11	8.93	9.53	9.98	12.11	12.73	12.55	13.16	13.61
	6H	8.39	8.92	8.86	9.37	9.85	12.54	13.07	13.01	13.52	13.99
	8H	8.33	8.82	8.80	9.27	9.74	12.71	13.20	13.19	13.65	14.13
	12H	8.27	8.70	8.76	9.19	9.66	12.92	13.34	13.41	13.83	14.31
8H	4H	8.65	9.15	9.13	9.60	10.07	12.01	12.50	12.49	12.95	13.43
	6H	8.55	8.94	9.06	9.44	9.93	12.44	12.83	12.95	13.34	13.82
	8H	8.48	8.83	9.02	9.35	9.85	12.63	12.98	13.17	13.50	14.00
	12H	9.06	9.36	9.59	9.86	10.44	13.46	13.76	13.98	14.26	14.84
12H	4H	8.62	9.04	9.11	9.53	10.01	11.95	12.38	12.44	12.87	13.34
	6H	8.81	8.86	9.05	9.33	9.88	12.68	12.73	12.91	13.20	13.74
	8H	8.46	8.76	8.99	9.26	9.84	12.58	12.88	13.11	13.38	13.96
对应照射距离，改变观察者位置S											
S = 1.0H	1.1/-1.0					0.4/-0.6					
S = 1.5H	2.1/-3.0					1.1/-1.0					
S = 2.0H	4.8/-5.3					1.7/-1.2					
标准表格	BK1					BK2					
更正系数	-4.7					-2.5					

# 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	1.10	1.08	1.06	1.06	1.04	1.02	1.02	1.01	0.99	0.98	0.97	0.97	0.95
2	1.05	1.02	0.99	1.03	1.00	0.98	1.00	0.98	0.95	0.97	0.95	0.93	0.95	0.93	0.91	0.90
3	1.00	0.95	0.92	0.98	0.94	0.91	0.96	0.92	0.90	0.93	0.91	0.88	0.91	0.89	0.87	0.86
4	0.95	0.90	0.86	0.94	0.89	0.86	0.92	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	0.79	0.76	0.74	0.73
8	0.80	0.76	0.72	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.70
9	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.68
10	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.74	0.70	0.67	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	11962.62	11697.11	10883.69	9694.26	8158.74	6558.00	4894.32	3631.99	2576.85
30.0	11898.16	11953.42	11478.41	10466.24	9050.43	7457.36	5769.90	4276.59	3069.50
60.0	11918.88	12047.80	11580.47	10582.12	9210.05	7523.35	5927.21	4397.83	3169.26
90.0	11847.52	12103.05	11766.94	10849.93	9548.46	7838.75	6068.41	4558.98	3275.16
120.0	11925.02	12041.66	11562.82	10599.00	9141.75	7426.66	5749.95	4308.05	3104.80
150.0	11911.21	11943.44	11453.09	10345.76	8958.35	7243.26	5558.87	4164.55	2988.93
180.0	11962.62	11710.16	10915.92	9683.52	8108.09	6503.51	4939.60	3655.78	2607.54
210.0	11898.16	11301.91	10199.19	8826.36	7148.87	5466.79	4088.58	2910.66	2083.43
240.0	11918.88	11304.22	10158.52	8631.45	7009.98	5297.96	3906.71	2776.37	1939.16
270.0	11847.52	11110.84	9859.25	8353.66	6603.27	4926.55	3559.09	2487.07	1767.27
300.0	11925.02	11328.00	10203.80	8759.60	6964.70	5332.50	3874.48	2795.55	1949.90
330.0	11911.21	11381.72	10324.28	8896.96	7206.43	5589.57	4125.41	2932.91	2101.84
360.0	11962.62	11697.11	10883.69	9694.26	8158.74	6558.00	4894.32	3631.99	2576.85
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1873.93	1370.53	1019.84	795.00	629.25	505.70	415.15	350.69	294.75
30.0	2240.74	1638.35	1243.15	954.62	752.80	611.60	498.03	411.31	346.01
60.0	2291.38	1521.32	1283.59	990.68	787.86	632.62	517.67	427.27	360.44
90.0	2394.21	1761.13	1324.49	1019.84	814.19	654.57	532.56	442.01	389.06
120.0	2248.41	1514.03	1259.49	972.80	773.75	620.58	506.54	421.60	352.30
150.0	2179.35	1592.31	1187.90	910.88	725.17	580.90	474.24	395.97	332.81
180.0	1870.86	1365.85	1031.35	792.32	622.34	505.24	414.23	344.24	290.38
210.0	1506.28	1101.41	829.53	655.26	522.12	424.67	355.91	299.12	255.77
240.0	1381.28	1029.05	772.75	601.62	488.05	395.97	330.74	280.02	241.65
270.0	1274.84	950.78	719.34	572.39	454.44	376.01	314.24	265.90	230.98
300.0	1389.72	1035.96	778.89	606.99	486.52	399.04	332.89	283.78	242.80
330.0	1519.40	1130.04	850.56	664.62	528.95	434.41	360.05	301.96	259.53
360.0	1873.93	1370.53	1019.84	795.00	629.25	505.70	415.15	350.69	294.75
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	254.62	220.93	192.92	171.12	153.32	139.05	126.85	117.26	108.12
30.0	296.28	254.39	222.77	195.83	174.12	156.47	142.81	130.84	120.86
60.0	306.18	262.75	229.22	200.67	177.42	158.23	143.12	129.69	118.94
90.0	314.85	267.20	232.75	203.12	179.57	159.23	142.42	128.00	114.95
120.0	299.20	256.92	224.15	196.22	173.35	155.47	139.89	126.69	115.80
150.0	285.08	245.48	213.94	188.54	168.75	151.71	137.97	126.92	117.10
180.0	250.78	217.32	190.46	169.82	152.02	137.51	125.62	115.95	107.20
210.0	222.31	196.29	174.58	158.08	143.50	131.60	122.32	113.73	106.28
240.0	211.03	187.70	165.91	150.64	137.28	126.31	116.49	108.05	99.30
270.0	202.28	180.10	161.15	145.80	132.37	121.55	110.58	100.45	91.62
300.0	211.95	187.09	167.13	150.79	137.21	126.16	116.41	108.20	98.76
330.0	225.22	197.14	176.11	158.46	143.42	131.37	121.86	113.11	105.82
360.0	254.62	220.93	192.92	171.12	153.32	139.05	126.85	117.26	108.12
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	100.37	93.47	87.10	81.03	75.20	69.75	64.31	58.78	53.10
30.0	112.50	104.75	97.84	91.47	84.95	78.35	71.90	64.84	57.25
60.0	108.12	98.45	89.40	78.50	65.15	49.65	36.76	27.09	18.34
90.0	102.60	89.09	74.67	58.17	43.74	33.69	24.94	16.50	8.67
120.0	105.67	96.00	86.87	76.05	62.77	47.50	35.15	25.86	17.34
150.0	108.66	100.99	94.08	86.87	79.27	70.68	63.08	55.94	49.42
180.0	99.84	92.85	86.41	80.34	74.82	69.22	63.62	58.47	52.87
210.0	99.76	93.77	87.71	82.03	76.43	70.45	63.62	56.17	48.81
240.0	91.32	83.49	75.05	65.46	53.56	40.36	30.46	21.49	12.43
270.0	81.80	70.91	57.55	45.81	35.07	26.24	17.80	9.06	4.45
300.0	91.09	83.26	74.90	65.53	53.56	40.98	30.23	21.79	12.74
330.0	99.07	92.70	86.64	81.19	75.28	69.37	63.00	55.71	48.42
360.0	100.37	93.47	87.10	81.03	75.20	69.75	64.31	58.78	53.10

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	47.58	41.90	36.37	31.08	25.63	19.72	13.97	7.29	2.15
30.0	49.42	39.52	25.71	14.12	5.99	3.30	2.07	0.77	0.54
60.0	9.98	4.14	3.30	2.76	1.92	1.00	0.84	0.69	0.46
90.0	4.30	3.68	3.07	2.38	1.61	0.92	0.84	0.77	0.46
120.0	9.29	3.91	3.30	2.61	1.92	1.00	0.84	0.77	0.38
150.0	42.97	33.84	21.79	11.97	4.99	3.07	1.76	0.77	0.46
180.0	47.35	41.36	36.07	30.70	25.55	19.80	14.12	7.90	2.76
210.0	40.29	29.16	16.65	7.60	3.61	2.38	0.84	0.61	0.31
240.0	5.14	3.61	2.92	2.23	1.23	0.84	0.84	0.46	0.15
270.0	3.68	3.15	2.38	1.46	1.00	1.00	0.84	0.46	0.08
300.0	5.53	3.61	2.99	2.30	1.23	0.84	0.84	0.54	0.15
330.0	40.52	29.08	16.65	7.98	3.68	2.53	0.92	0.61	0.31
360.0	47.58	41.90	36.37	31.08	25.63	19.72	13.97	7.29	2.15
C/γ(°)	90.0								
0.0	0.08								
30.0	0.15								
60.0	0.08								
90.0	0.00								
120.0	0.08								
150.0	0.08								
180.0	0.08								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.08								
360.0	0.08								