

浙大三色

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ROLED

灯具名称: 地埋灯

灯具描述: G1031A-3-UN(15-OL-3WN-AA, P1)

报告编号:

电压(V): 220.5000

测试编号: 20210322003

电流(A): 0.0210

光源规格型号: OL

功率(W): 4.0000

每个光源光通量(lm)

功率因数: 0.8680

光源数量: 3

镇流器型号:

发光面长度(mm): 65

发光面宽度(mm): 65

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 317.20

灯具效能(lm/w): 79.30

中心光强(cd): 2616.752

最大光强(cd): 2646.680

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=14.2

[C90/270]Total=14.5

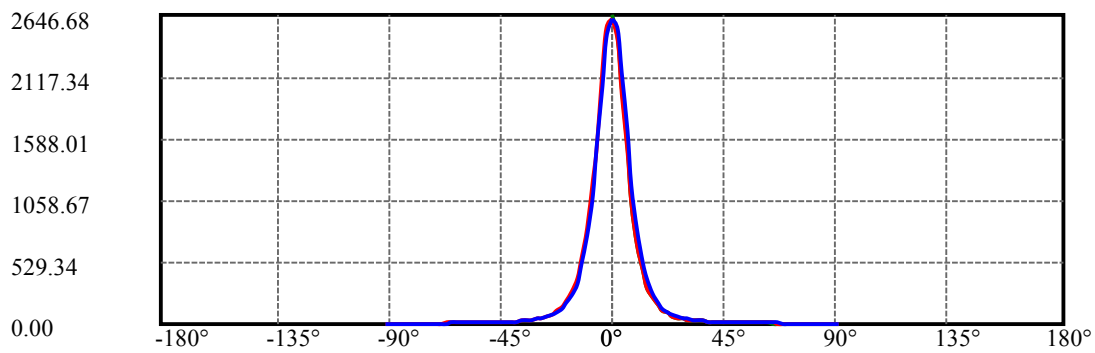
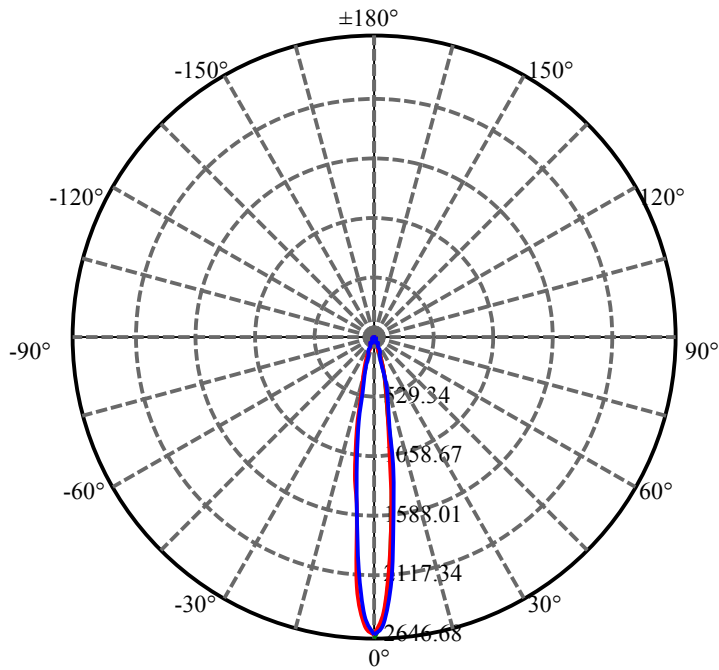
光束扩散角(10%Imax): [C0/180]Total=31.5

[C90/270]Total=31.7

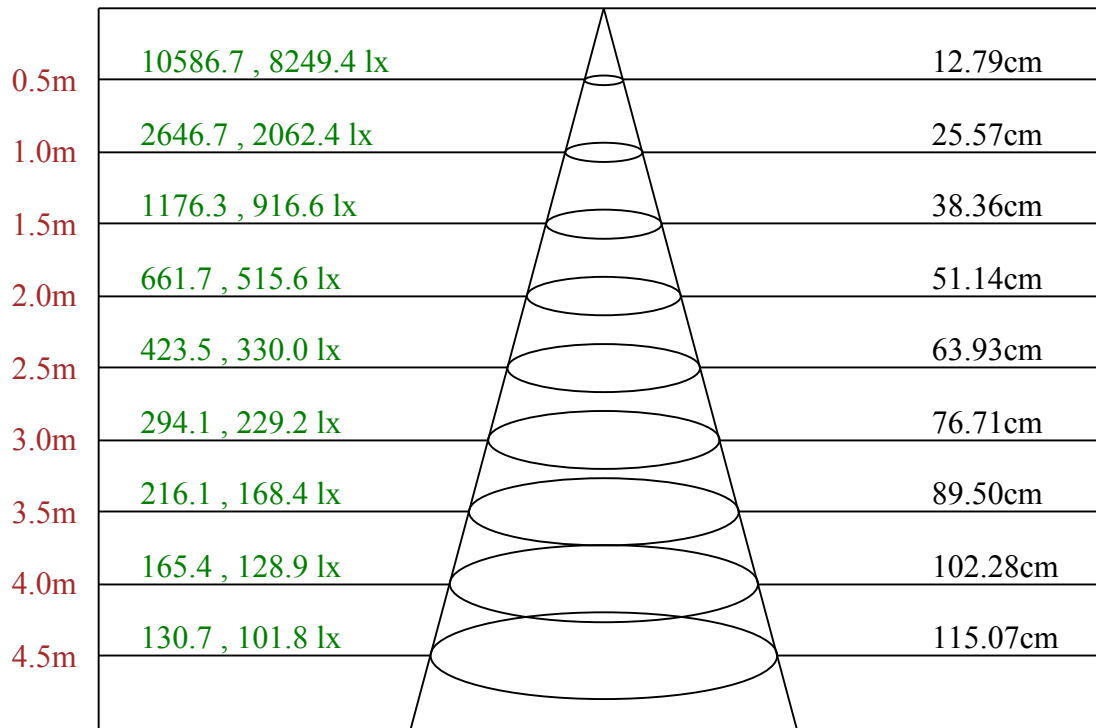
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/22
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

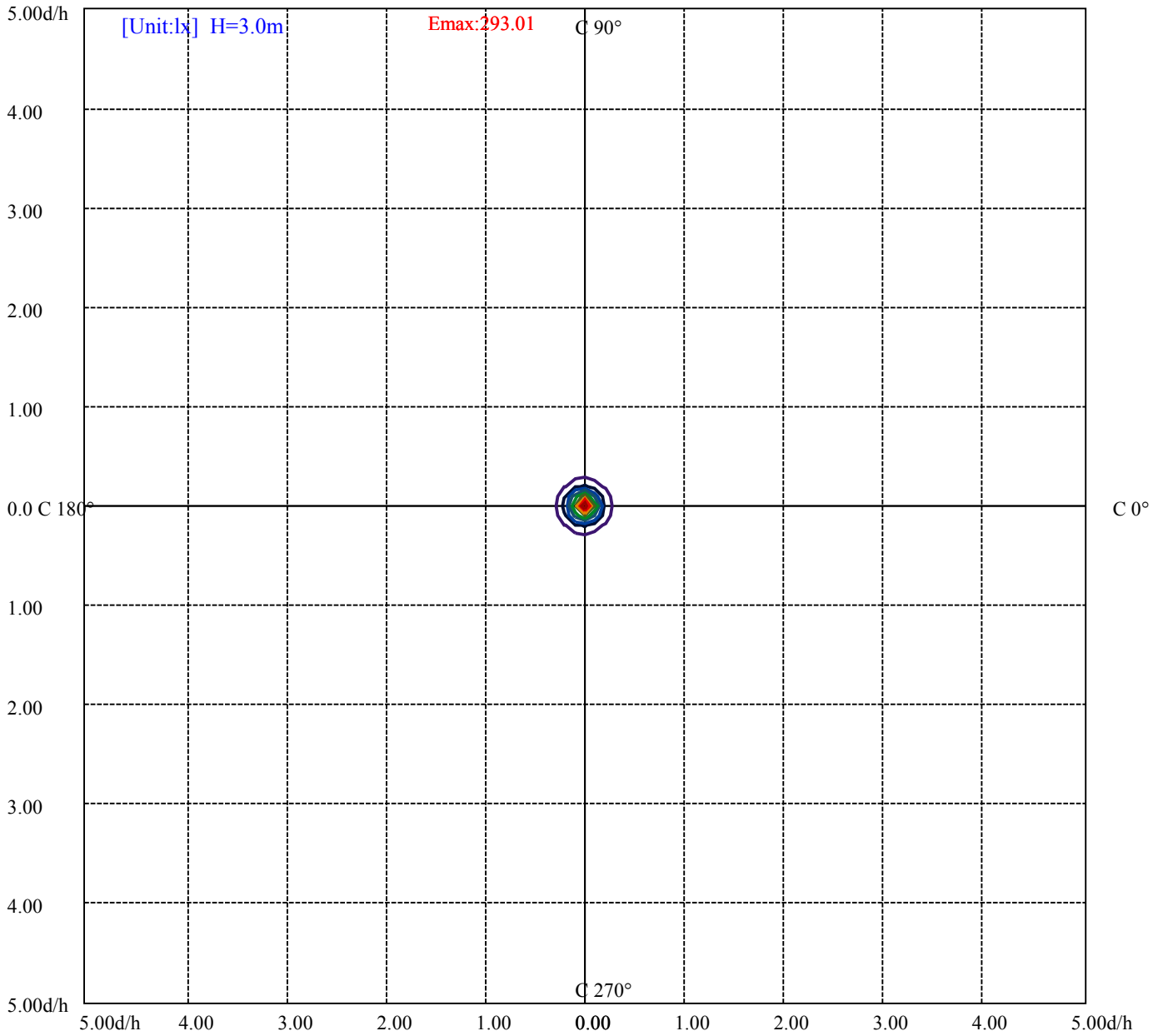


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角14.57

ROLED 地埋灯
平面等照度曲线



- (10%Emax) 29.30078
- (20%Emax) 58.60155
- (30%Emax) 87.90233
- (40%Emax) 117.2033
- (50%Emax) 146.5033
- (60%Emax) 175.8044
- (70%Emax) 205.1055
- (80%Emax) 234.4067
- (90%Emax) 263.7067

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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

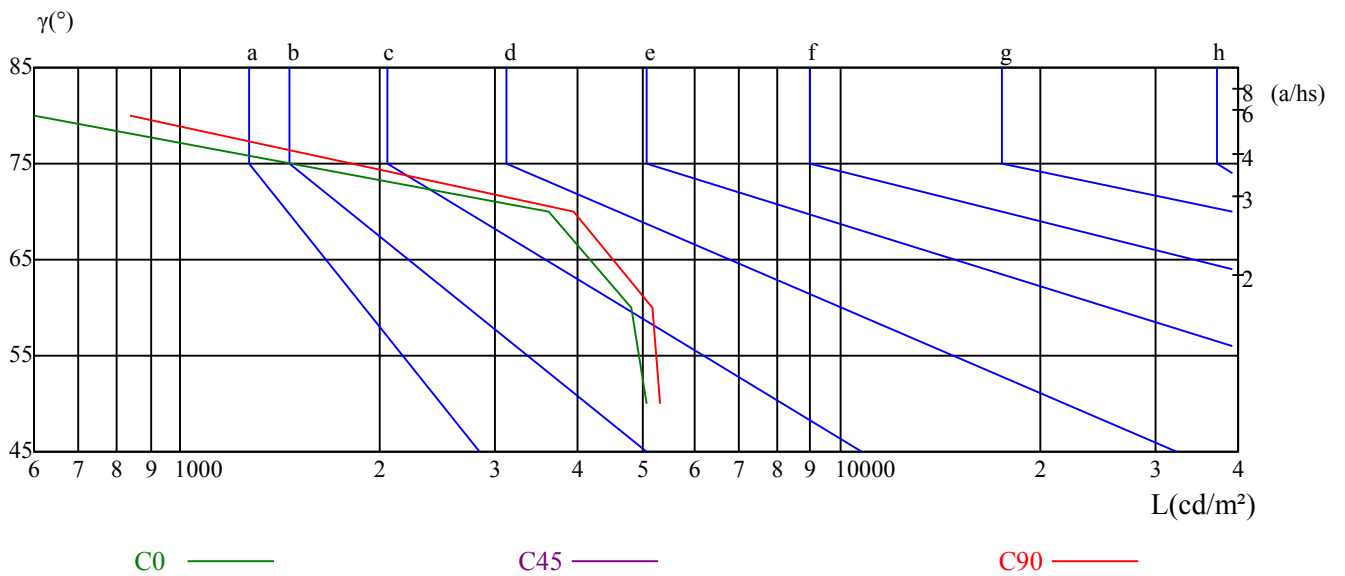
γ	45	50	55	60	65	70	75	80	85
C0	0	5086	0	4831	0	3611	0	418	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5340	0	5195	0	3930	0	837	0

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

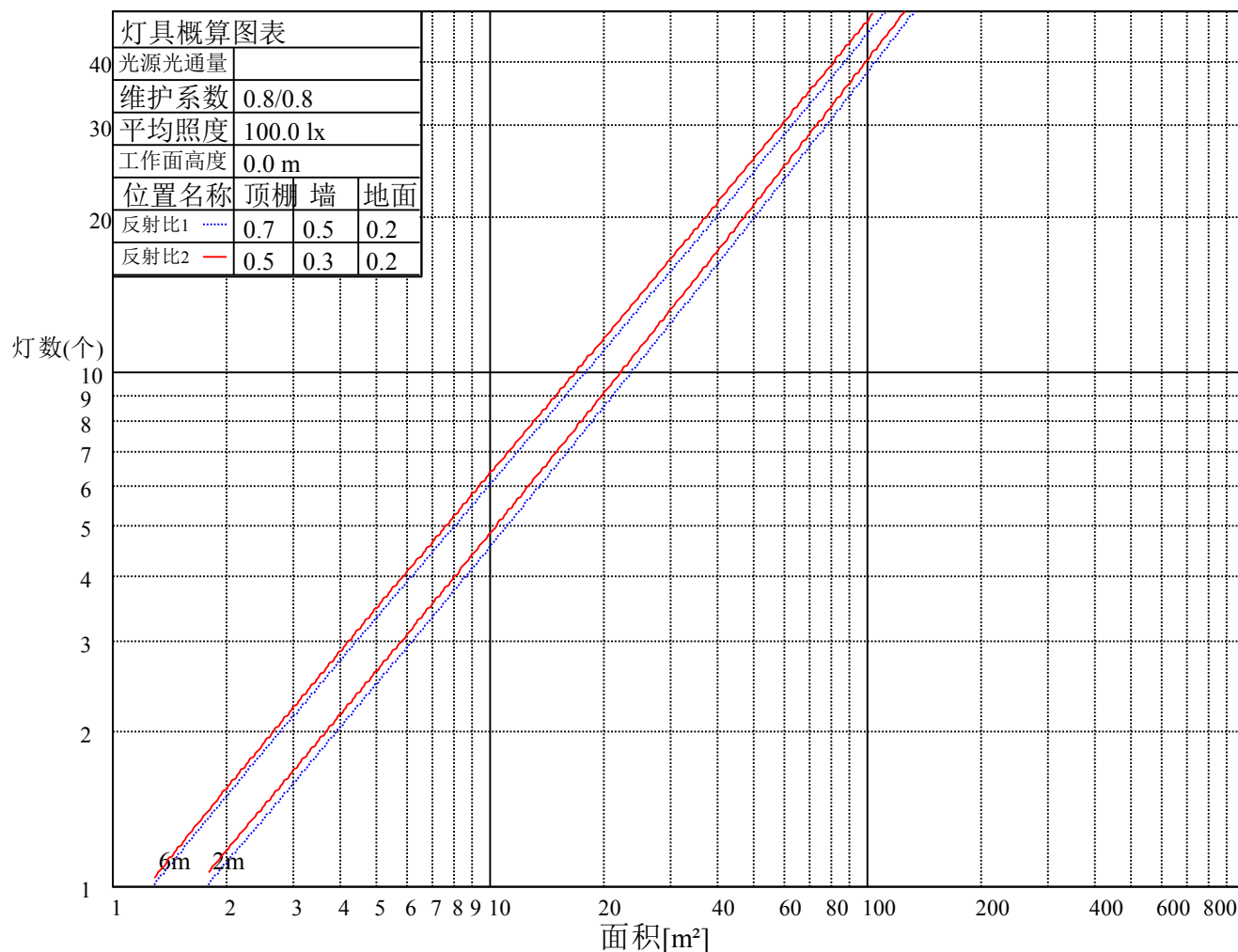
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

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	17.38	18.41	17.75	18.72	19.04	17.23	18.26	17.60	18.58	18.89
	3H	18.80	19.71	19.18	20.05	20.41	18.65	19.56	19.03	19.89	20.26
	4H	19.03	19.88	19.44	20.23	20.62	18.86	19.70	19.27	20.06	20.45
	6H	19.01	19.78	19.43	20.16	20.55	18.83	19.60	19.25	19.98	20.38
	8H	18.96	19.69	19.39	20.08	20.49	18.78	19.51	19.22	19.90	20.31
	12H	18.91	19.60	19.34	19.98	20.42	18.73	19.42	19.16	19.81	20.24
4H	2H	17.87	18.72	18.28	19.07	19.46	17.75	18.60	18.16	18.95	19.34
	3H	19.40	20.09	19.81	20.50	20.90	19.24	19.93	19.66	20.34	20.74
	4H	19.66	20.27	20.10	20.70	21.14	19.46	20.08	19.90	20.50	20.95
	6H	19.65	20.17	20.12	20.62	21.10	19.44	19.97	19.91	20.42	20.89
	8H	19.59	20.07	20.06	20.53	21.00	19.38	19.87	19.86	20.32	20.80
	12H	19.53	19.95	20.02	20.44	20.92	19.33	19.75	19.82	20.24	20.71
8H	4H	19.64	20.13	20.11	20.58	21.05	19.45	19.94	19.93	20.39	20.87
	6H	19.62	20.01	20.13	20.51	21.00	19.43	19.82	19.94	20.32	20.81
	8H	19.56	19.91	20.10	20.43	20.93	19.37	19.71	19.90	20.24	20.73
	12H	20.37	20.67	20.89	21.16	21.74	20.17	20.47	20.69	20.97	21.54
12H	4H	19.58	20.00	20.07	20.49	20.97	19.40	19.82	19.89	20.31	20.79
	6H	19.85	19.91	20.10	20.38	20.93	19.66	19.71	19.91	20.19	20.73
	8H	19.52	19.81	20.04	20.31	20.89	19.33	19.62	19.85	20.12	20.70
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.4					0.4/-0.5					
S = 1.5H	1.2/-0.8					1.0/-0.9					
S = 2.0H	1.9/-1.1					2.0/-1.4					
标准表格	BK2					BK3					
更正系数	-2.7					-2.4					

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	1.06	1.06	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.95
2	1.06	1.02	1.00	1.04	1.01	0.98	1.01	0.98	0.96	0.98	0.96	0.94	0.95	0.94	0.92	0.91
3	1.01	0.96	0.93	0.99	0.95	0.92	0.97	0.94	0.91	0.94	0.92	0.90	0.92	0.90	0.88	0.87
4	0.96	0.92	0.88	0.95	0.91	0.88	0.93	0.89	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.84
5	0.92	0.88	0.84	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.83	0.87	0.84	0.82	0.81
6	0.89	0.84	0.81	0.88	0.84	0.81	0.87	0.83	0.80	0.86	0.82	0.80	0.84	0.81	0.79	0.78
7	0.86	0.81	0.78	0.85	0.81	0.78	0.84	0.80	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.76
8	0.83	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.75	0.74
9	0.81	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.73	0.72
10	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.72	0.77	0.74	0.71	0.70

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	2616.75	2411.10	1978.30	1481.04	1028.28	678.36	453.52	314.09	222.54
30.0	2646.68	2441.02	2020.50	1504.82	1036.72	679.90	459.66	313.93	225.61
60.0	2627.50	2409.56	1997.48	1507.20	1033.66	696.39	463.50	315.93	228.22
90.0	2619.05	2514.69	2154.02	1665.21	1177.92	801.91	530.26	393.66	256.07
120.0	2619.05	2510.09	2152.49	1516.49	1212.91	814.42	549.98	369.11	257.22
150.0	2604.47	2571.48	2259.15	1811.77	1286.12	887.09	593.18	409.78	285.31
180.0	2616.75	2530.04	2189.32	1517.18	1227.34	829.00	559.19	393.28	279.09
210.0	2646.68	2540.78	2173.98	1513.96	1203.63	788.40	546.37	379.85	272.88
240.0	2627.50	2535.41	2200.07	1687.46	1203.25	813.42	555.58	388.29	282.70
270.0	2619.05	2453.30	2043.52	1526.00	1103.26	748.27	504.24	352.23	249.63
300.0	2619.05	2462.51	2071.92	1563.14	1119.60	748.96	495.72	395.20	247.94
330.0	2604.47	2377.33	1931.49	1461.16	1007.33	661.17	442.62	312.78	220.70
360.0	2616.75	2411.10	1978.30	1481.04	1028.28	678.36	453.52	314.09	222.54
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	158.31	119.10	90.47	70.75	56.48	46.04	38.22	32.69	28.47
30.0	161.30	118.02	90.63	70.75	56.17	45.89	38.60	32.84	28.55
60.0	163.53	118.71	90.32	71.14	56.48	46.20	39.29	33.46	28.93
90.0	182.41	130.91	99.22	77.04	60.70	49.88	41.52	35.22	30.31
120.0	182.48	133.29	100.07	78.35	61.47	49.73	41.75	35.07	30.46
150.0	207.73	148.49	110.27	85.03	66.76	53.72	44.05	37.29	31.77
180.0	200.59	143.50	108.20	83.18	65.53	52.57	43.20	36.14	31.08
210.0	195.68	141.58	106.82	81.96	63.69	51.03	42.59	35.76	30.62
240.0	201.44	146.26	110.04	83.03	65.46	52.26	43.43	36.60	31.39
270.0	182.79	133.22	99.84	77.97	61.24	50.11	41.13	35.15	30.16
300.0	175.65	130.99	98.99	76.35	60.62	48.88	40.98	35.07	30.39
330.0	158.16	118.71	90.09	71.29	56.10	46.43	38.75	33.07	28.62
360.0	158.31	119.10	90.47	70.75	56.48	46.04	38.22	32.69	28.47
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	25.02	22.25	19.95	18.19	16.81	15.73	14.66	13.81	12.89
30.0	24.94	22.10	20.18	18.11	16.73	15.42	14.50	13.58	12.82
60.0	25.40	22.48	20.26	18.72	17.27	15.96	14.96	14.12	13.28
90.0	26.63	23.56	21.26	19.49	17.88	16.58	15.42	14.50	13.74
120.0	26.70	23.71	21.41	19.57	17.96	16.88	15.50	14.58	13.81
150.0	27.55	24.25	21.64	19.57	18.03	16.73	15.58	14.58	13.81
180.0	27.01	23.87	21.49	19.49	17.80	16.42	15.27	14.27	13.43
210.0	26.86	23.71	21.18	19.11	17.50	16.11	15.04	14.04	13.20
240.0	27.24	24.02	21.49	19.34	17.96	16.65	15.42	14.50	13.66
270.0	26.47	23.40	21.03	19.26	17.42	16.27	15.12	14.20	13.35
300.0	26.47	23.64	21.33	19.49	17.96	16.73	15.58	14.58	13.81
330.0	25.09	22.41	20.26	18.49	16.96	15.96	14.89	14.04	13.35
360.0	25.02	22.25	19.95	18.19	16.81	15.73	14.66	13.81	12.89
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	12.20	11.51	10.82	10.21	9.29	8.29	7.29	6.29	5.22
30.0	12.20	11.43	10.67	9.98	9.29	8.21	7.21	6.37	5.37
60.0	12.58	11.89	11.36	10.67	9.90	8.90	7.83	6.52	5.45
90.0	13.05	12.35	11.66	10.97	10.36	9.52	8.44	7.29	5.68
120.0	12.97	12.20	11.43	10.90	10.21	9.29	8.21	7.14	5.99
150.0	12.97	12.28	11.51	10.90	10.13	9.29	8.13	7.21	6.29
180.0	12.82	12.12	11.59	10.90	10.21	9.36	8.36	7.06	5.83
210.0	12.58	11.89	11.36	10.74	10.05	8.98	7.90	6.68	5.22
240.0	12.82	12.12	11.43	10.74	10.05	8.98	7.83	6.83	5.83
270.0	12.58	11.89	11.13	10.44	9.59	8.59	7.52	6.60	5.45
300.0	12.97	12.28	11.66	11.05	10.36	9.36	7.98	6.52	5.22
330.0	12.58	11.97	11.36	10.67	9.59	8.59	7.52	6.22	4.68
360.0	12.20	11.51	10.82	10.21	9.29	8.29	7.29	6.29	5.22

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	4.14	2.99	1.76	0.69	0.31	0.23	0.08	0.08	0.00
30.0	4.37	3.30	1.92	0.77	0.38	0.23	0.15	0.08	0.00
60.0	4.07	2.99	2.15	1.15	0.46	0.23	0.15	0.08	0.00
90.0	4.30	3.15	2.30	1.53	0.61	0.23	0.31	0.08	0.08
120.0	4.83	3.53	2.38	1.00	0.38	0.31	0.15	0.00	0.00
150.0	5.37	1.46	1.69	1.07	0.38	0.23	0.08	0.08	0.00
180.0	4.30	3.15	2.23	1.30	0.46	0.31	0.23	0.08	0.00
210.0	3.99	2.76	2.00	1.23	0.54	0.23	0.15	0.00	0.00
240.0	4.83	3.22	2.23	0.92	0.31	0.23	0.15	0.08	0.00
270.0	4.37	3.22	1.69	0.54	0.23	0.23	0.08	0.00	0.00
300.0	3.53	2.76	1.84	0.84	0.38	0.23	0.08	0.08	0.00
330.0	3.53	2.53	1.84	0.92	0.31	0.23	0.23	0.00	0.00
360.0	4.14	2.99	1.76	0.69	0.31	0.23	0.08	0.08	0.00
C/γ(°)	90.0								
0.0	0.00								
30.0	0.00								
60.0	0.00								
90.0	0.00								
120.0	0.00								
150.0	0.00								
180.0	0.00								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	0.00								