

浙大三色

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ROLED

灯具名称: 地埋灯

灯具描述: G3083A-27-36DC (15-OL-27WN-AA, P1)

报告编号:

电压(V): 35.7000

测试编号: 20210309008

电流(A): 0.7500

光源规格型号: OL

功率(W): 26.8000

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): 940

发光面宽度(mm): 33

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2874.17

灯具效能(lm/w): 107.25

中心光强(cd): 21939.280

最大光强(cd): 22023.690

最大光强角度: C=90.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=15.4

[C90/270]Total=14.8

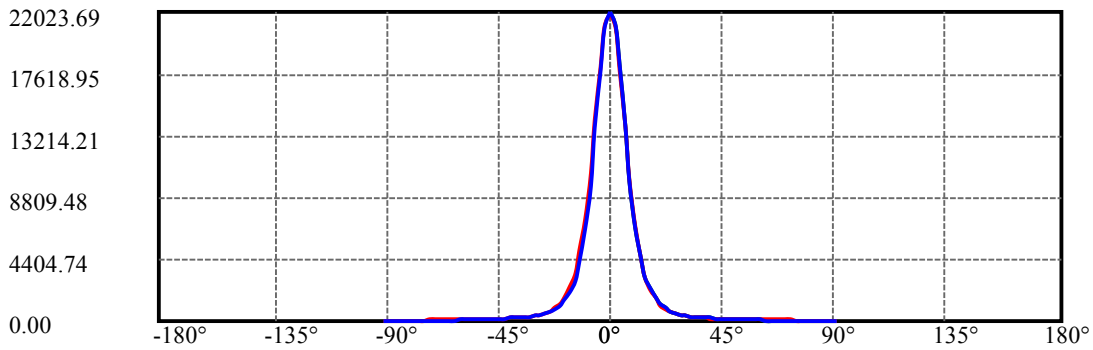
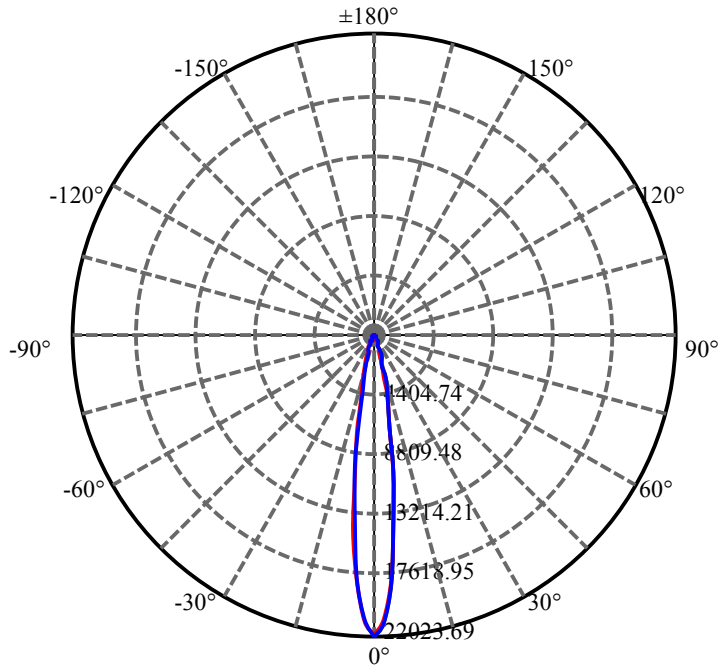
光束扩散角(10%Imax): [C0/180]Total=32.6

[C90/270]Total=31.9

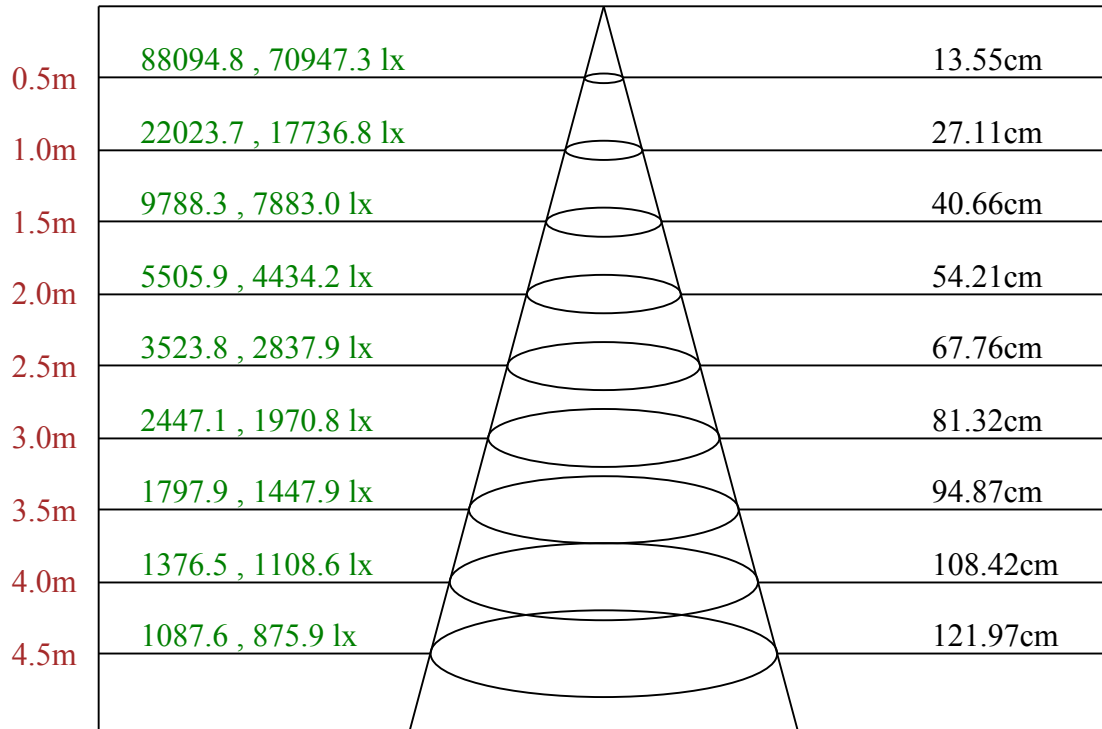
测试设备: GMS1800
环境温度(°C): 25.0

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

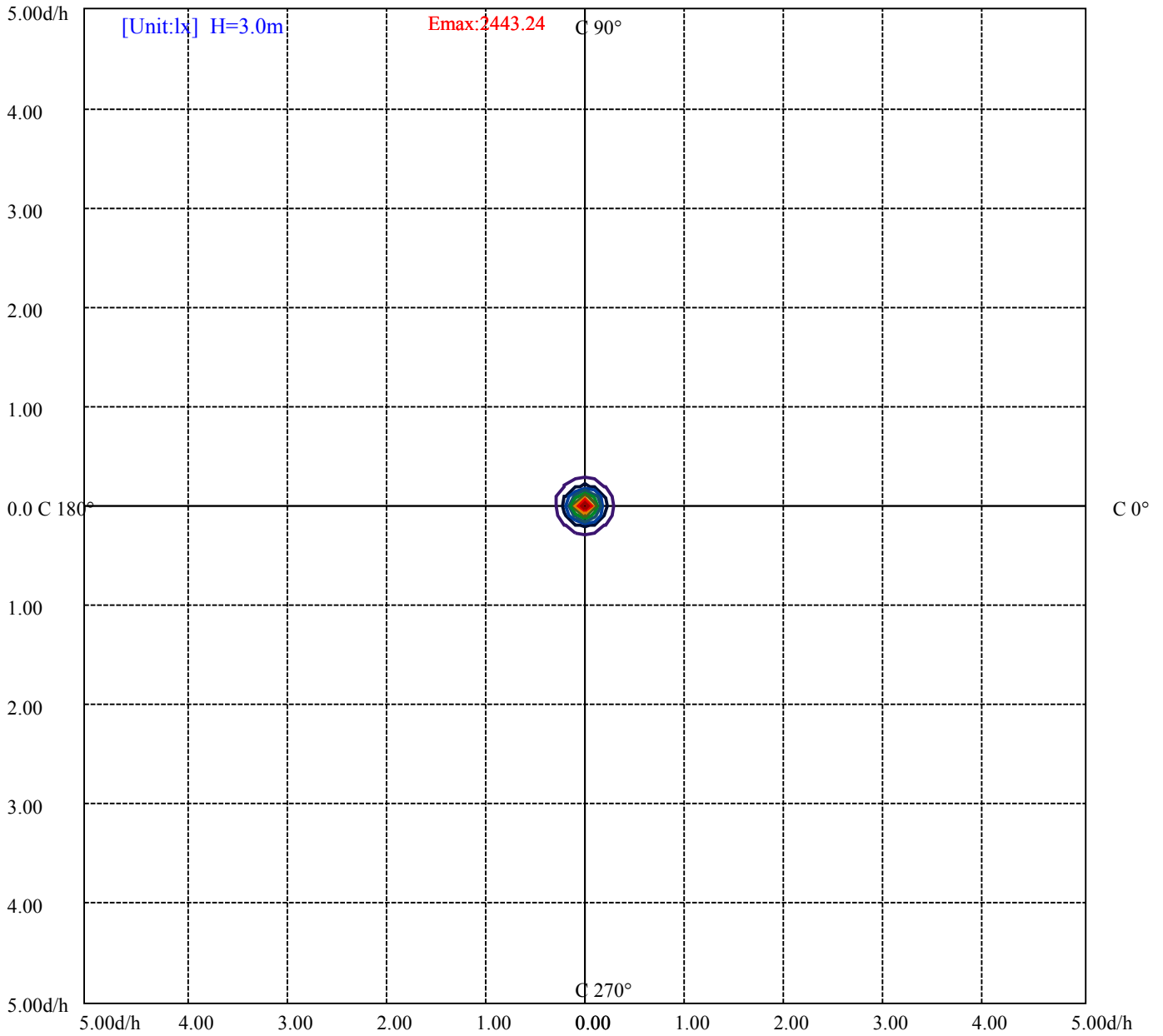


C90(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C90面光束角15.44

ROLED 地埋灯
平面等照度曲线



- (10%Emax) 244.3233
- (20%Emax) 488.6466
- (30%Emax) 732.97
- (40%Emax) 977.2933
- (50%Emax) 1221.611
- (60%Emax) 1465.944
- (70%Emax) 1710.267
- (80%Emax) 1954.589
- (90%Emax) 2198.911

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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

ROLED 地埋灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

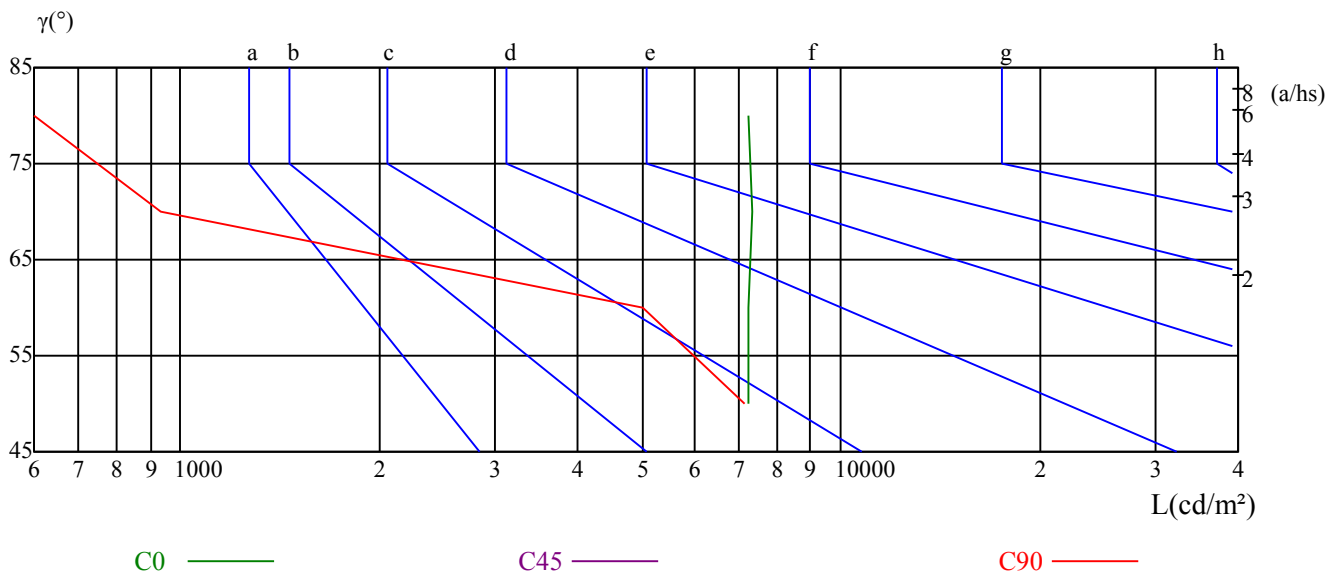
γ	45	50	55	60	65	70	75	80	85
C0	0	7235	0	7268	0	7370	0	7251	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7139	0	5017	0	933	0	313	0

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

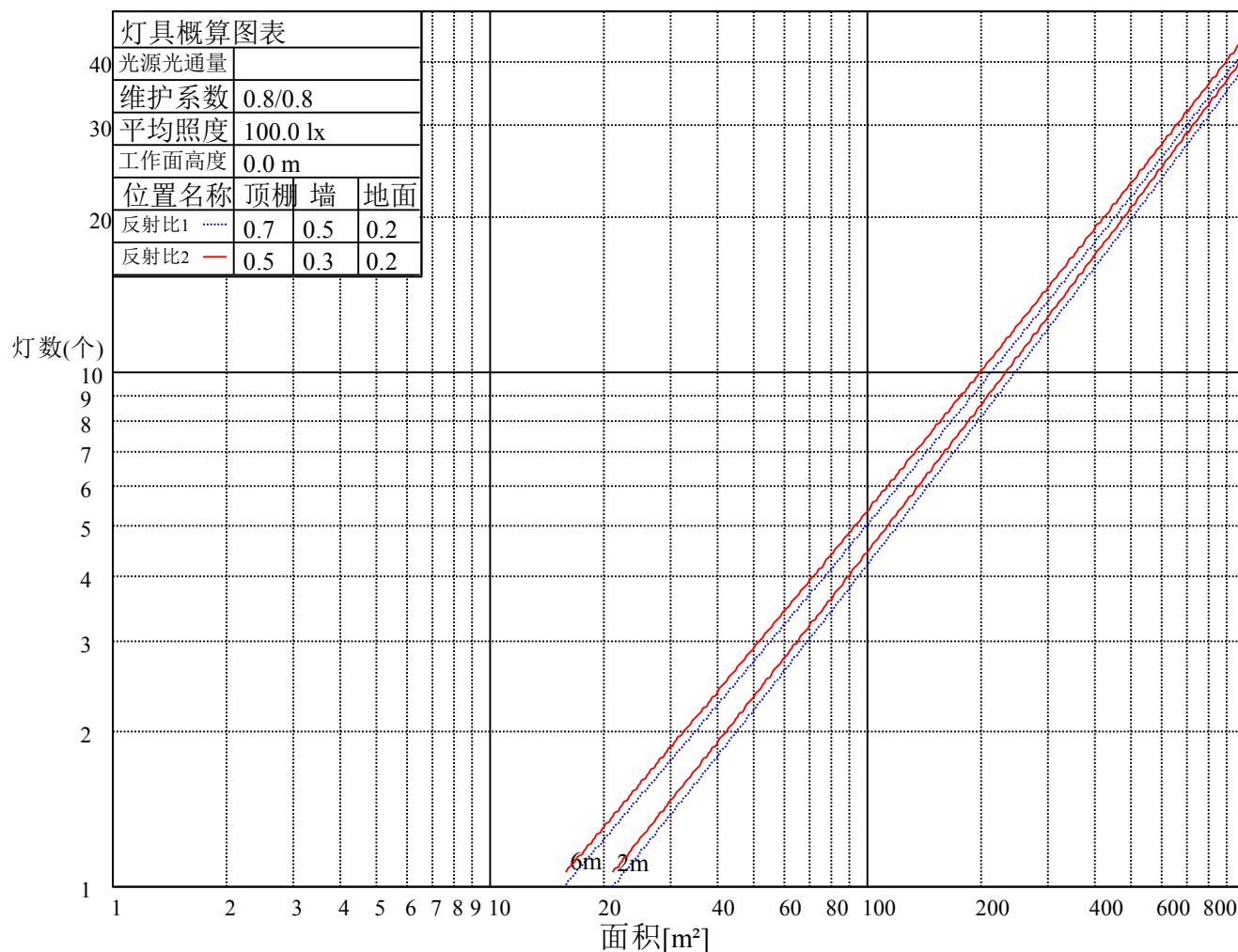
亮度限制曲线



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	10.43	11.49	10.80	11.80	12.12	11.58	12.64	11.94	12.95	13.26
	3H	10.60	11.54	10.98	11.87	12.24	13.61	14.54	13.99	14.88	15.24
	4H	10.53	11.40	10.94	11.75	12.14	14.32	15.19	14.73	15.54	15.93
	6H	10.43	11.23	10.85	11.60	12.00	14.85	15.64	15.26	16.01	16.41
	8H	10.38	11.13	10.82	11.52	11.93	15.04	15.79	15.47	16.18	16.59
	12H	10.33	11.04	10.77	11.43	11.86	15.30	16.01	15.73	16.40	16.83
4H	2H	11.03	11.89	11.43	12.25	12.63	11.95	12.81	12.35	13.17	13.55
	3H	11.23	11.94	11.65	12.35	12.76	14.21	14.92	14.63	15.33	15.74
	4H	11.15	11.78	11.58	12.20	12.65	14.98	15.61	15.42	16.04	16.49
	6H	11.05	11.60	11.52	12.05	12.52	15.47	16.01	15.94	16.46	16.93
	8H	10.99	11.49	11.46	11.94	12.42	15.68	16.18	16.15	16.63	17.11
	12H	10.94	11.37	11.43	11.86	12.34	15.94	16.38	16.43	16.87	17.34
8H	4H	11.37	11.88	11.85	12.33	12.80	14.89	15.40	15.37	15.85	16.32
	6H	11.27	11.68	11.78	12.18	12.66	15.39	15.79	15.89	16.29	16.77
	8H	11.21	11.57	11.74	12.09	12.59	15.62	15.97	16.15	16.49	16.99
	12H	11.89	12.19	12.41	12.69	13.27	16.49	16.79	17.01	17.29	17.87
12H	4H	11.35	11.78	11.84	12.27	12.75	14.83	15.27	15.32	15.76	16.24
	6H	11.57	11.60	11.78	12.07	12.62	15.65	15.68	15.86	16.15	16.70
	8H	11.20	11.51	11.72	12.00	12.58	15.57	15.88	16.09	16.37	16.95
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.3/-0.6					
S = 1.5H	0.7/-2.0					0.9/-0.7					
S = 2.0H	3.4/-4.7					0.9/-0.8					
标准表格	BK2					BK2					
更正系数	-2.7					0.0					

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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	0.98	0.98	0.97	0.95
2	1.05	1.02	0.99	1.04	1.00	0.98	1.00	0.98	0.96	0.98	0.95	0.94	0.95	0.93	0.92	0.90
3	1.00	0.96	0.92	0.99	0.95	0.92	0.96	0.93	0.90	0.94	0.91	0.89	0.92	0.89	0.87	0.86
4	0.95	0.91	0.87	0.94	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.89	0.86	0.84	0.83
5	0.91	0.87	0.83	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.81	0.80
6	0.88	0.83	0.80	0.87	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.78	0.77
7	0.85	0.80	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.82	0.79	0.76	0.81	0.78	0.76	0.75
8	0.82	0.78	0.75	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.74	0.72
9	0.80	0.75	0.72	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.72	0.71
10	0.78	0.73	0.71	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.69

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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	21939.28	20734.50	17810.80	13881.83	10144.71	6837.32	4581.23	3170.03	2195.46
30.0	21962.30	21348.40	18670.26	14771.99	10950.46	7481.92	4987.94	3921.29	2397.28
60.0	22016.02	20726.83	17688.02	13590.23	9814.74	6578.71	4409.34	3028.83	2173.98
90.0	22023.69	20987.73	18125.42	13835.79	10029.60	6768.26	4535.19	3199.96	2269.90
120.0	21993.00	20619.39	17358.05	13480.49	9585.29	6620.92	4506.03	3148.54	2246.11
150.0	21977.65	21110.51	18317.27	14403.65	10513.05	7389.83	5018.64	3951.99	2515.46
180.0	21939.28	20957.04	18056.36	14389.83	10520.72	7254.01	5035.52	3454.73	2414.93
210.0	21962.30	20488.94	17258.29	13475.89	9605.25	6534.21	4499.13	3067.97	2158.63
240.0	22016.02	21041.45	18079.38	14319.24	10313.53	6914.06	4680.99	3180.77	2208.51
270.0	22023.69	20795.89	17841.49	13748.31	9636.71	6539.58	4294.24	2882.26	2059.64
300.0	21993.00	21156.56	18432.37	14480.39	10397.94	7067.53	4657.97	3138.57	2169.37
330.0	21977.65	20711.48	17795.45	13787.44	9752.58	6554.16	4451.55	3002.74	2105.68
360.0	21939.28	20734.50	17810.80	13881.83	10144.71	6837.32	4581.23	3170.03	2195.46
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1574.66	1145.69	864.07	672.22	542.53	435.10	387.52	318.54	278.94
30.0	1731.20	1234.71	932.36	719.80	570.93	468.87	391.36	339.49	295.36
60.0	1519.25	1154.75	870.66	680.66	548.06	449.68	380.31	327.06	287.84
90.0	1648.32	1194.04	912.41	699.85	559.42	458.12	389.06	335.88	293.98
120.0	1526.00	1206.93	912.18	716.81	564.79	465.03	387.14	333.66	290.99
150.0	1802.57	1330.63	976.10	759.70	596.25	485.75	403.64	344.48	301.43
180.0	1635.28	1276.84	945.18	735.45	579.52	468.71	391.52	336.72	292.60
210.0	1510.50	1150.45	868.59	687.11	545.22	448.38	379.16	327.98	287.46
240.0	1582.33	1164.11	870.20	691.41	550.98	451.22	390.59	332.58	290.45
270.0	1483.80	1088.06	828.92	655.26	529.87	439.78	374.48	322.99	287.00
300.0	1577.73	1144.92	871.74	683.73	547.91	447.38	387.52	330.05	287.08
330.0	1520.94	1121.75	859.08	671.68	533.71	438.40	373.33	320.76	281.70
360.0	1574.66	1145.69	864.07	672.22	542.53	435.10	387.52	318.54	278.94
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	248.40	223.61	203.74	187.24	173.58	161.76	152.71	144.27	137.13
30.0	260.98	233.67	213.10	195.45	181.33	170.20	160.07	151.25	143.81
60.0	255.38	228.83	208.34	191.31	177.26	165.37	155.32	145.57	137.05
90.0	262.75	236.74	215.63	197.37	182.10	167.75	155.93	142.35	130.15
120.0	259.07	231.90	210.03	193.38	178.88	166.52	155.70	146.42	137.28
150.0	265.97	237.89	215.79	198.67	183.94	172.58	162.07	153.17	145.88
180.0	258.91	233.13	210.80	193.07	178.03	166.29	156.08	147.34	140.12
210.0	255.61	230.52	209.65	194.07	179.95	168.75	159.15	151.02	143.88
240.0	258.30	233.13	210.49	193.61	179.49	167.98	158.16	149.48	140.89
270.0	256.23	231.06	211.41	195.37	180.49	167.83	156.31	143.58	132.14
300.0	256.38	230.14	209.57	192.00	178.72	166.67	156.47	147.64	138.82
330.0	252.47	227.14	208.04	191.38	179.11	167.52	157.62	149.25	141.89
360.0	248.40	223.61	203.74	187.24	173.58	161.76	152.71	144.27	137.13
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	130.45	124.24	118.25	112.73	106.51	99.91	93.47	86.10	78.20
30.0	137.21	130.38	124.55	118.48	111.96	105.13	97.00	87.40	77.20
60.0	127.54	118.33	107.74	96.15	83.72	65.99	48.04	34.92	22.48
90.0	118.48	105.67	93.54	77.81	59.93	45.81	32.15	20.11	9.90
120.0	128.31	118.87	108.43	96.77	84.26	65.69	46.73	34.38	21.41
150.0	139.05	132.30	126.08	120.32	113.88	106.44	98.53	88.56	78.20
180.0	133.06	127.15	121.17	115.41	109.27	102.98	96.15	88.86	80.88
210.0	137.13	130.61	124.70	118.87	112.34	105.51	97.38	87.25	77.50
240.0	131.60	122.40	113.42	102.75	89.94	75.59	56.63	40.52	27.09
270.0	120.78	107.66	96.08	82.57	65.46	49.42	36.68	22.71	11.51
300.0	129.99	120.32	111.42	100.83	89.17	74.21	55.48	40.52	26.86
330.0	135.13	128.84	122.78	116.87	110.73	103.60	96.08	85.95	75.66
360.0	130.45	124.24	118.25	112.73	106.51	99.91	93.47	86.10	78.20

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	70.21	62.00	53.79	46.27	39.06	30.31	21.79	12.58	3.99
30.0	66.53	53.33	33.15	18.80	7.52	4.83	2.69	1.00	0.77
60.0	10.59	5.29	4.53	3.53	2.30	1.30	1.23	1.00	0.46
90.0	5.60	4.91	4.14	2.84	1.69	1.46	1.30	1.07	0.46
120.0	9.59	5.22	4.53	3.53	2.23	1.38	1.23	1.00	0.54
150.0	66.45	53.26	31.31	17.57	6.98	4.68	2.61	1.00	0.77
180.0	72.90	64.38	55.94	48.42	40.82	32.77	23.94	14.96	6.14
210.0	65.99	53.03	31.92	17.27	6.75	4.60	2.53	1.00	0.77
240.0	15.65	6.14	4.91	4.14	2.84	1.53	1.30	1.15	0.69
270.0	5.99	5.29	4.45	3.22	1.92	1.46	1.38	1.15	0.61
300.0	14.73	5.99	4.83	3.99	2.76	1.61	1.30	1.15	0.69
330.0	64.31	50.72	31.62	16.42	6.68	4.45	2.46	1.00	0.69
360.0	70.21	62.00	53.79	46.27	39.06	30.31	21.79	12.58	3.99
C/γ(°)	90.0								
0.0	0.23								
30.0	0.15								
60.0	0.00								
90.0	0.08								
120.0	0.08								
150.0	0.23								
180.0	0.38								
210.0	0.31								
240.0	0.08								
270.0	0.08								
300.0	0.15								
330.0	0.23								
360.0	0.23								