

浙大三色

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ROLED

灯具名称: 水下灯

灯具描述: U1034A-18-12DC(10-OL-18WN-AA, P1)

报告编号:

电压(V): 12.3000

测试编号: 20210317013

电流(A): 1.5190

光源规格型号: OL

功率(W): 18.6000

每个光源光通量(lm)

功率因数: 1.0120

光源数量: 18

镇流器型号:

发光面长度(mm): 170

发光面宽度(mm): 170

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1919.81

灯具效能(lm/w): 103.22

中心光强(cd): 20504.290

最大光强(cd): 20696.130

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=10.3

[C90/270]Total=10.3

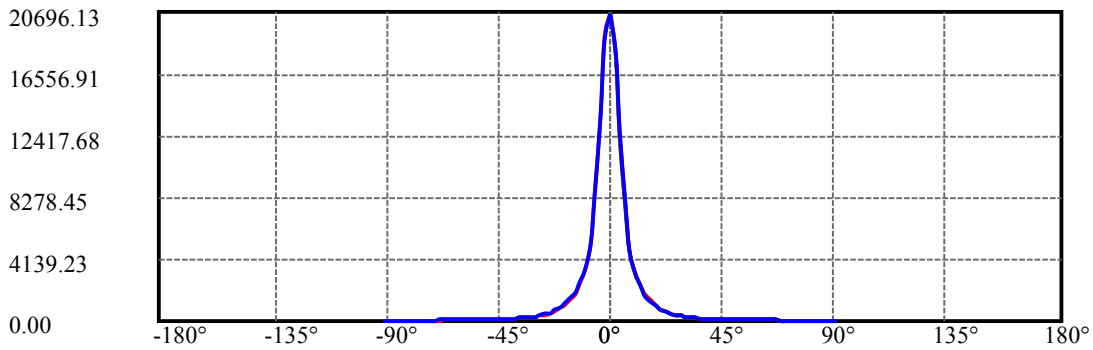
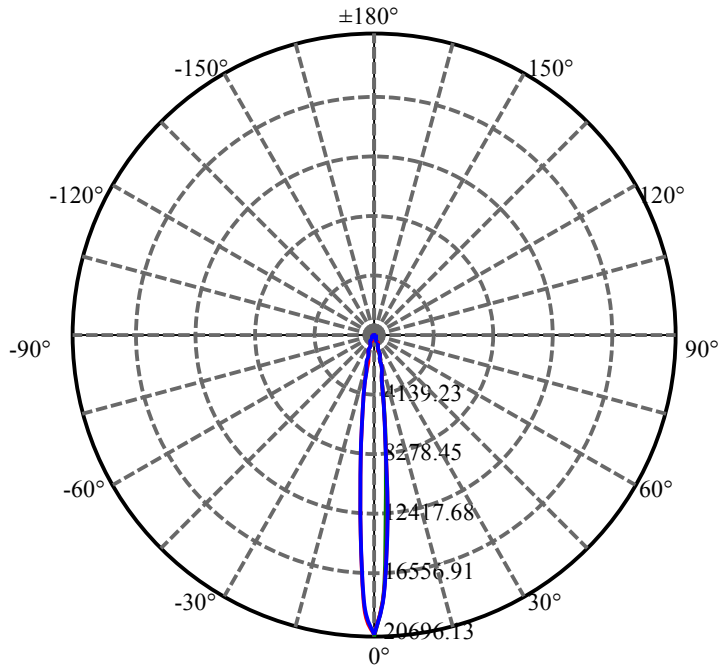
光束扩散角(10%Imax): [C0/180]Total=26.5

[C90/270]Total=26.5

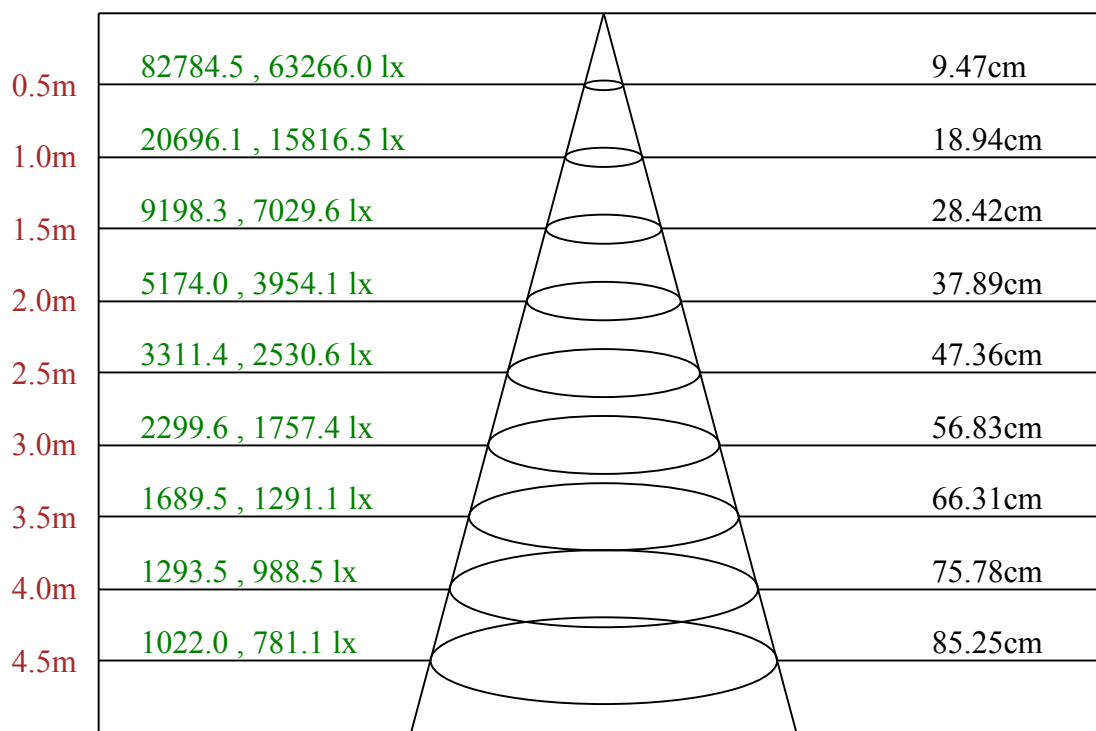
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/17
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

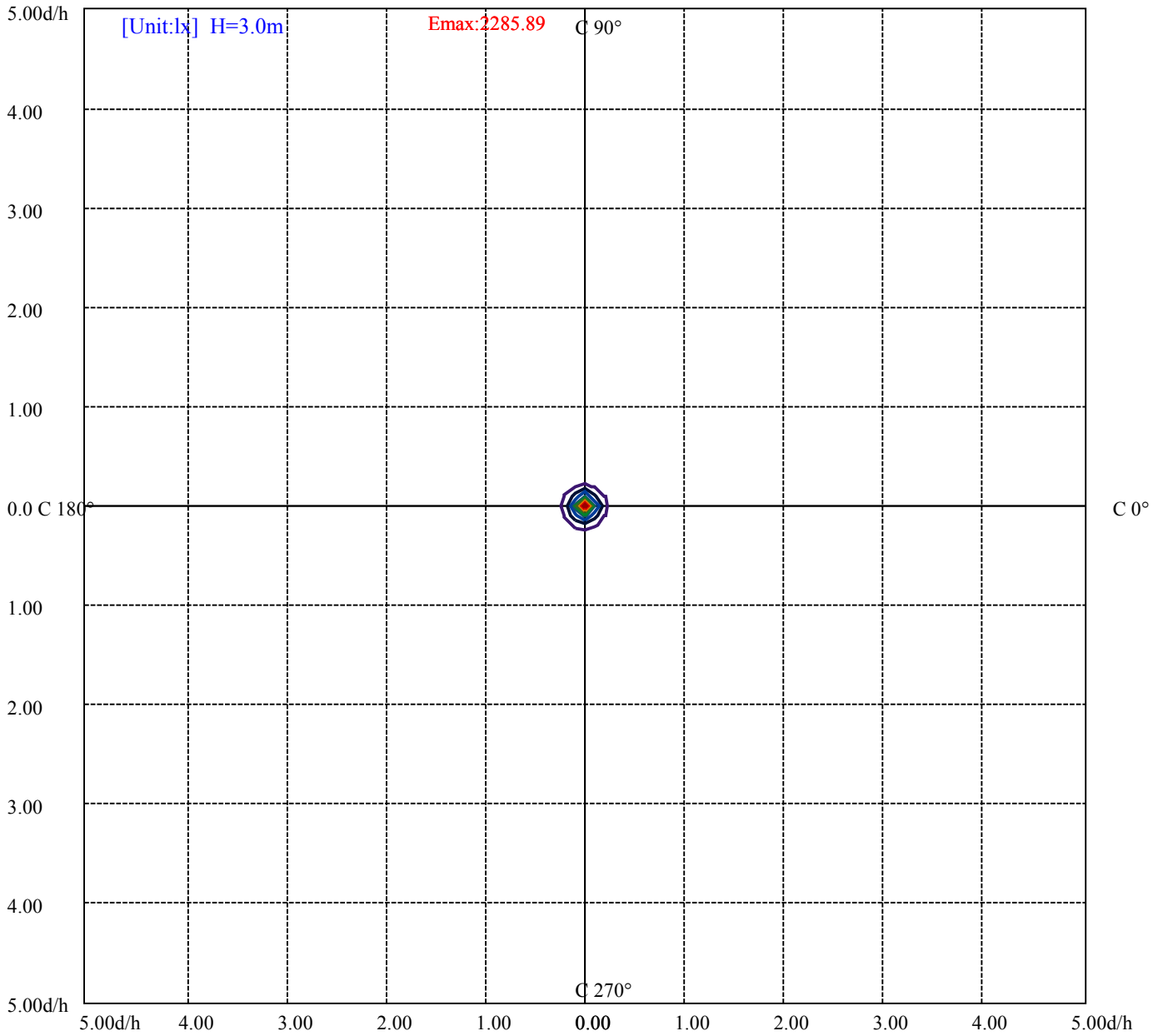


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角10.82

ROLED 水下灯
平面等照度曲线



- (10%Emax) 228.5889
- (20%Emax) 457.1778
- (30%Emax) 685.7667
- (40%Emax) 914.3567
- (50%Emax) 1142.944
- (60%Emax) 1371.533
- (70%Emax) 1600.122
- (80%Emax) 1828.711
- (90%Emax) 2057.3

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ROLED 水下灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

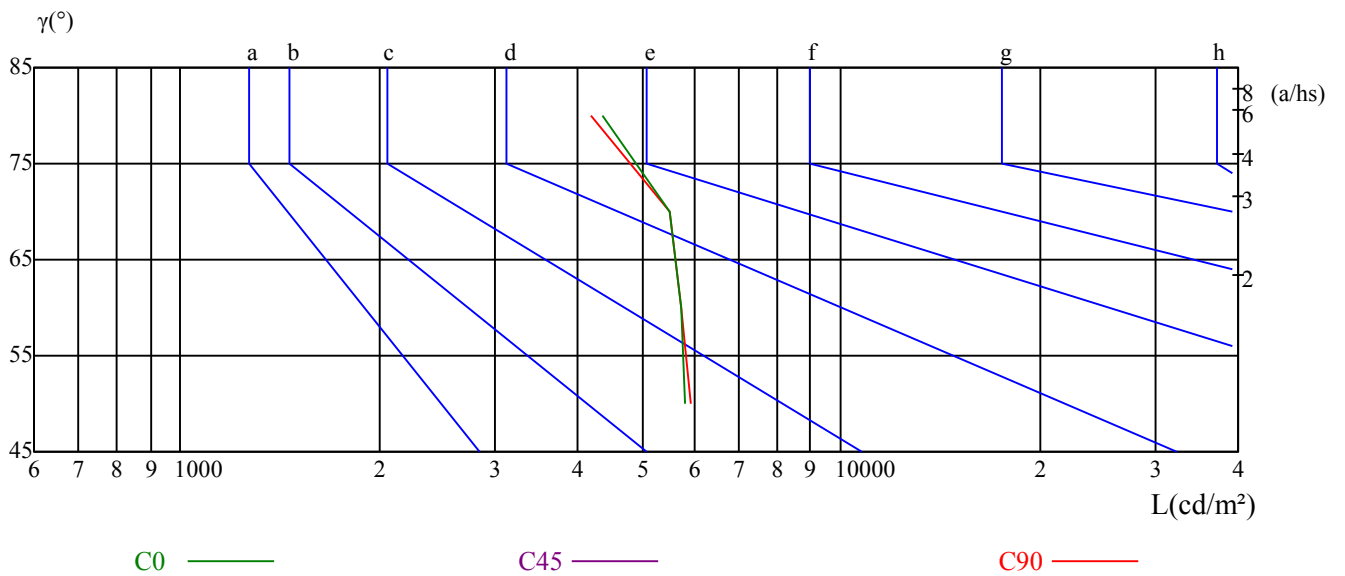
γ	45	50	55	60	65	70	75	80	85
C0	0	5829	0	5735	0	5504	0	4358	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5948	0	5746	0	5504	0	4190	0

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

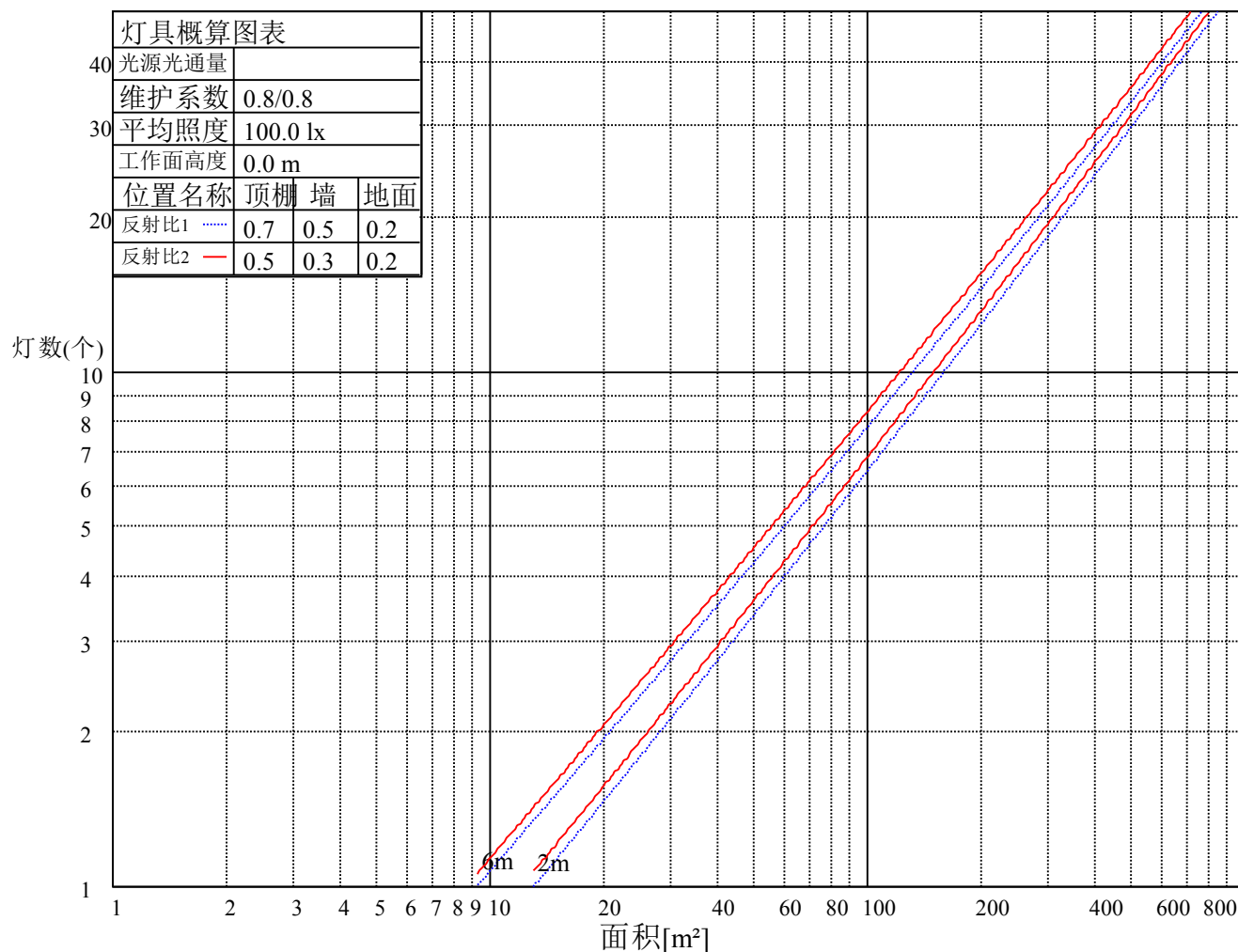
眩光等级表

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	12.39	13.49	12.76	13.80	14.12	12.31	13.41	12.67	13.72	14.03
	3H	14.37	15.34	14.75	15.67	16.04	14.28	15.25	14.66	15.58	15.95
	4H	15.08	15.98	15.48	16.33	16.72	14.98	15.88	15.38	16.24	16.62
	6H	15.55	16.38	15.97	16.75	17.15	15.45	16.28	15.87	16.65	17.05
	8H	15.66	16.44	16.10	16.84	17.24	15.56	16.35	16.00	16.74	17.15
	12H	15.74	16.49	16.18	16.88	17.31	15.64	16.39	16.08	16.78	17.21
4H	2H	13.01	13.92	13.42	14.27	14.66	12.95	13.86	13.36	14.21	14.60
	3H	15.18	15.93	15.60	16.33	16.74	15.11	15.85	15.52	16.26	16.66
	4H	16.00	16.67	16.44	17.09	17.54	15.92	16.58	16.35	17.01	17.45
	6H	16.48	17.06	16.95	17.51	17.98	16.40	16.97	16.86	17.42	17.89
	8H	16.63	17.16	17.10	17.61	18.09	16.54	17.08	17.02	17.53	18.00
	12H	16.72	17.18	17.20	17.67	18.14	16.63	17.09	17.11	17.58	18.05
8H	4H	16.26	16.79	16.73	17.24	17.71	16.18	16.72	16.66	17.17	17.64
	6H	16.87	17.30	17.38	17.80	18.28	16.79	17.22	17.30	17.72	18.20
	8H	17.08	17.46	17.61	17.98	18.47	17.00	17.38	17.53	17.90	18.39
	12H	17.67	17.99	18.19	18.49	19.07	17.59	17.92	18.11	18.41	18.99
12H	4H	16.26	16.72	16.75	17.21	17.68	16.18	16.65	16.67	17.14	17.61
	6H	17.28	17.28	17.44	17.75	18.30	17.20	17.21	17.36	17.68	18.22
	8H	17.15	17.47	17.67	17.97	18.55	17.07	17.40	17.59	17.90	18.47
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.2/-0.6					
S = 1.5H	0.7/-0.6					0.8/-0.6					
S = 2.0H	0.9/-0.7					0.9/-0.7					
标准表格	BK3					BK3					
更正系数	0.1					0.1					



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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	1.08	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.96	0.95	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	0.91	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	0.88	0.84	0.92	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.80
5	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.76
6	0.85	0.80	0.76	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.73
7	0.82	0.77	0.74	0.81	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
8	0.79	0.74	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.69
9	0.77	0.72	0.69	0.76	0.72	0.69	0.76	0.71	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67
10	0.75	0.70	0.67	0.74	0.70	0.67	0.74	0.69	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65

ROLED 水下灯

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	20504.29	17795.45	12408.47	7727.48	4788.43	3226.82	2334.36	1797.19	1375.14
30.0	20696.13	17703.36	12155.24	7451.22	4704.01	3164.66	2348.94	1774.17	1352.88
60.0	20450.57	15158.75	11465.36	6988.49	4300.38	2974.35	2172.44	1516.10	1273.77
90.0	20558.00	17887.53	12707.75	7834.91	4773.08	3232.19	2318.24	1725.83	1327.56
120.0	20473.59	17695.69	12268.81	7753.57	4729.34	3172.33	2335.89	1744.25	1355.88
150.0	20435.22	19007.90	13989.26	8794.13	5310.24	3913.62	2509.32	1892.35	1433.46
180.0	20504.29	18908.14	13750.61	8583.10	5276.48	3442.45	2494.74	1846.31	1411.74
210.0	20696.13	19299.51	14138.14	9028.18	5468.32	3539.91	2528.50	1914.60	1454.87
240.0	20450.57	19591.11	14818.03	9523.14	5786.02	3890.60	2634.40	2002.08	1523.24
270.0	20558.00	18624.22	13604.04	8481.04	5330.19	3516.88	2545.39	1919.97	1490.40
300.0	20473.59	18593.52	13782.07	8556.24	5433.02	3890.60	2601.40	1982.13	1541.66
330.0	20435.22	17534.54	12005.60	7560.19	4713.22	3241.40	2337.43	1798.73	1383.20
360.0	20504.29	17795.45	12408.47	7727.48	4788.43	3226.82	2334.36	1797.19	1375.14
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1055.14	833.37	653.04	517.21	420.52	350.23	292.37	251.39	217.24
30.0	1056.68	818.79	639.22	514.14	415.15	341.64	286.77	247.25	214.64
60.0	985.00	765.15	610.98	491.20	400.26	335.50	283.32	243.18	212.33
90.0	1022.91	795.77	625.41	506.47	412.08	342.02	290.61	248.86	217.86
120.0	1045.55	807.36	632.62	509.15	410.78	338.72	286.85	244.72	212.41
150.0	1104.25	864.07	674.52	536.40	431.27	358.90	300.66	257.53	222.23
180.0	1087.60	852.40	668.61	533.48	436.10	359.06	301.12	256.53	223.54
210.0	1120.68	880.72	685.11	550.59	445.62	364.43	306.03	261.45	227.60
240.0	1180.99	920.08	719.80	575.53	466.56	389.83	320.23	275.33	237.58
270.0	1150.45	895.53	707.67	563.41	455.44	372.41	314.16	267.05	231.36
300.0	1182.53	922.39	729.01	572.46	459.66	389.06	312.25	264.59	229.14
330.0	1084.99	844.73	658.26	530.33	429.35	351.30	294.52	252.54	217.24
360.0	1055.14	833.37	653.04	517.21	420.52	350.23	292.37	251.39	217.24
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	190.85	171.66	154.55	142.04	130.99	121.94	114.57	108.28	102.83
30.0	191.00	171.36	155.78	142.89	132.37	123.16	115.57	109.35	103.37
60.0	189.77	171.20	157.01	144.50	133.68	124.78	117.95	111.58	105.59
90.0	192.61	172.74	156.93	144.65	133.52	124.31	117.10	110.50	104.44
120.0	188.54	170.36	155.01	142.73	131.60	122.32	114.72	108.43	102.37
150.0	195.45	174.35	158.39	144.73	133.06	123.70	115.95	109.73	103.60
180.0	196.52	175.96	158.92	144.96	133.14	123.24	115.95	109.20	103.67
210.0	201.05	180.49	162.99	149.10	137.05	127.15	119.17	112.04	106.05
240.0	209.26	187.01	168.75	153.94	142.12	131.22	122.86	116.26	109.73
270.0	203.43	181.71	164.37	149.72	138.05	127.54	119.94	112.96	106.90
300.0	200.13	178.88	162.38	147.80	135.98	125.70	117.87	110.96	104.52
330.0	192.23	171.74	154.86	142.19	130.76	120.94	113.73	107.82	102.06
360.0	190.85	171.66	154.55	142.04	130.99	121.94	114.57	108.28	102.83
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	97.69	92.85	87.79	82.88	78.12	72.75	66.99	61.16	54.41
30.0	97.92	92.55	87.48	82.26	77.43	72.67	67.61	62.16	55.56
60.0	100.60	95.46	90.09	84.80	79.88	73.98	67.76	61.54	54.48
90.0	98.91	93.85	88.40	83.03	77.81	72.44	66.99	60.55	54.41
120.0	97.00	92.01	86.71	81.42	76.66	71.83	66.61	60.70	54.18
150.0	98.68	93.77	89.02	84.41	79.65	74.44	68.45	62.16	55.40
180.0	98.53	93.62	88.79	83.95	79.04	73.59	68.22	62.23	55.94
210.0	100.53	95.54	90.01	84.87	79.88	75.13	70.14	64.77	58.78
240.0	104.06	98.84	93.93	88.40	83.34	78.20	72.21	66.22	59.78
270.0	101.22	95.92	90.55	84.87	80.04	74.74	69.83	64.31	58.24
300.0	99.14	93.85	88.56	83.11	78.66	73.67	69.14	63.92	57.78
330.0	97.30	92.78	87.94	83.41	78.58	73.21	67.30	61.31	54.48
360.0	97.69	92.85	87.79	82.88	78.12	72.75	66.99	61.16	54.41

ROLED 水下灯

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	47.65	41.44	34.07	28.01	21.87	14.20	7.83	1.84	0.69
30.0	48.81	41.90	34.69	28.01	21.49	13.66	7.21	1.61	0.61
60.0	47.81	40.21	33.30	26.86	20.03	12.43	6.06	1.23	0.38
90.0	47.50	40.90	33.69	27.17	21.03	13.20	6.83	1.46	0.46
120.0	47.73	40.90	33.61	27.55	20.95	13.28	7.37	1.53	0.46
150.0	49.04	42.28	35.07	29.08	22.64	15.19	8.82	2.69	0.77
180.0	48.88	42.59	35.38	29.31	23.02	15.88	9.44	3.38	1.00
210.0	52.26	45.20	37.99	31.31	24.79	17.57	10.67	4.14	1.15
240.0	53.33	46.58	39.52	32.31	25.78	18.72	11.36	5.06	1.30
270.0	51.72	45.04	37.60	30.54	24.33	17.11	10.51	4.22	1.15
300.0	51.26	44.74	37.83	30.77	24.79	16.96	10.28	3.53	1.07
330.0	47.96	41.05	34.38	28.09	21.64	14.27	8.13	2.23	0.84
360.0	47.65	41.44	34.07	28.01	21.87	14.20	7.83	1.84	0.69

C/γ(°)	90.0
0.0	0.08
30.0	0.08
60.0	0.08
90.0	0.15
120.0	0.08
150.0	0.23
180.0	0.31
210.0	0.23
240.0	0.38
270.0	0.38
300.0	0.23
330.0	0.23
360.0	0.08