

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3071A-36-UN(15-OL-36WN-AA, L350mm, C, CT)

报告编号:

电压(V): 220.2000

测试编号: 20210329008

电流(A): 0.2000

光源规格型号: OL

功率(W): 43.2000

每个光源光通量(lm)

功率因数: 0.9820

光源数量: 36

镇流器型号:

发光面长度(mm): 290

发光面宽度(mm): 103

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 3883.12

灯具效能(lm/w): 89.89

中心光强(cd): 29390.500

最大光强(cd): 29781.860

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=14.7

[C90/270]Total=14.7

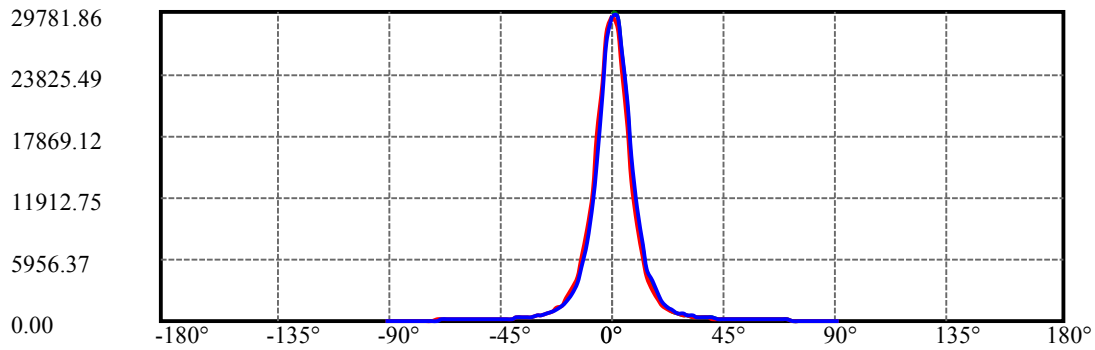
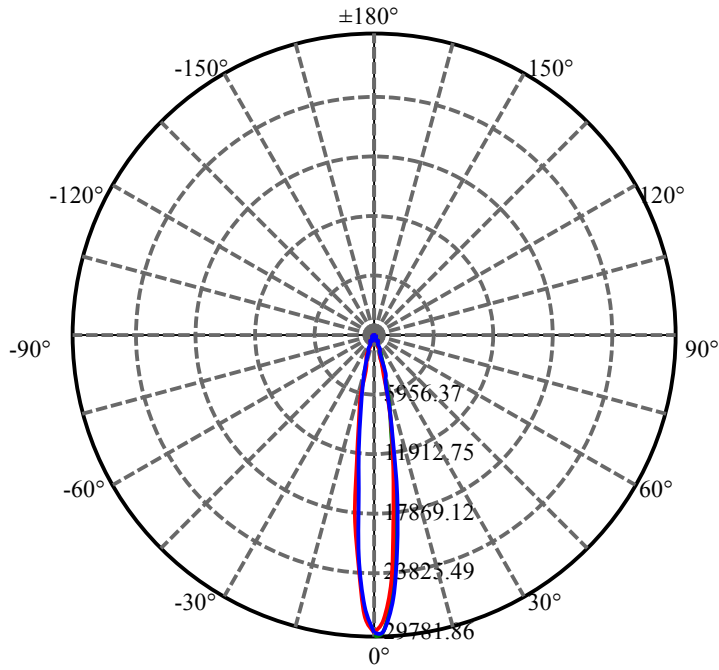
光束扩散角(10%Imax): [C0/180]Total=32.3

[C90/270]Total=32.7

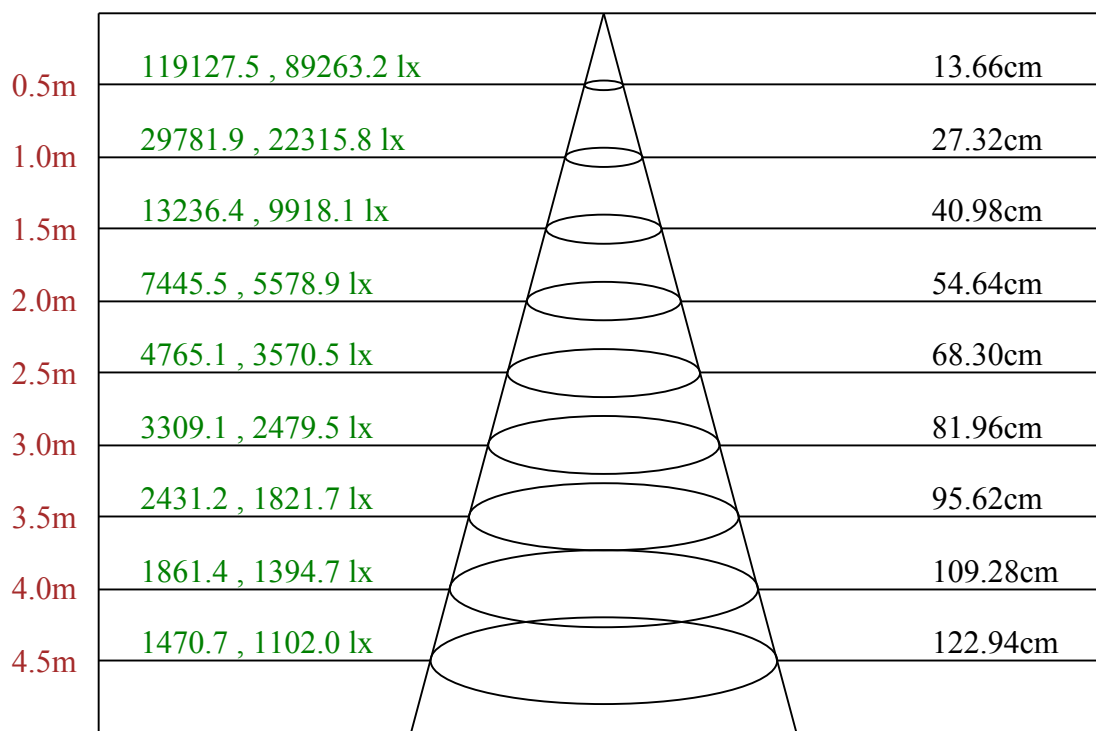
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/29
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

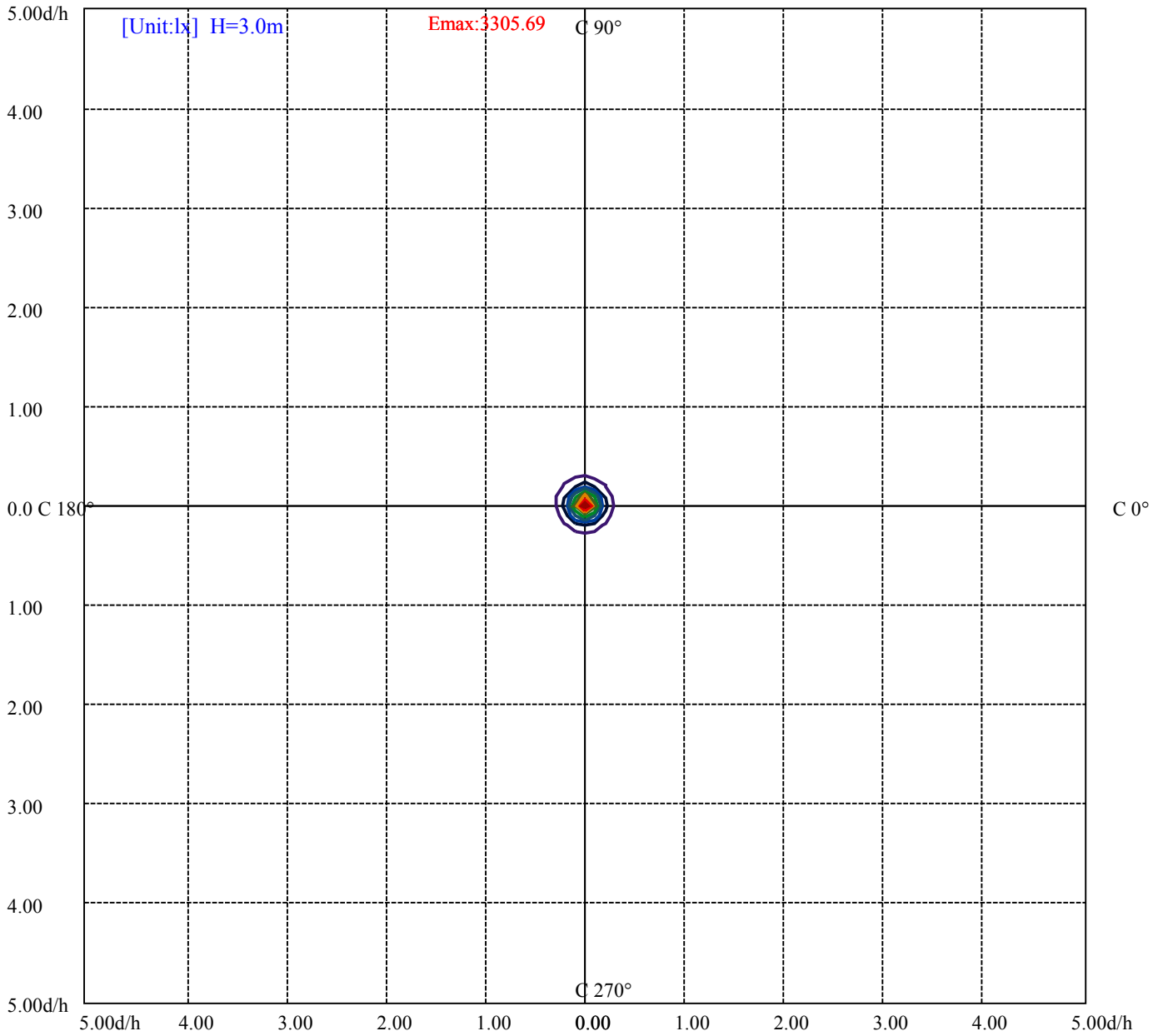


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角15.55

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平面等照度曲线



- (10%Emax) 330.5678
- (20%Emax) 661.1356
- (30%Emax) 991.7034
- (40%Emax) 1322.267
- (50%Emax) 1652.844
- (60%Emax) 1983.411
- (70%Emax) 2313.978
- (80%Emax) 2644.544
- (90%Emax) 2975.111

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ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

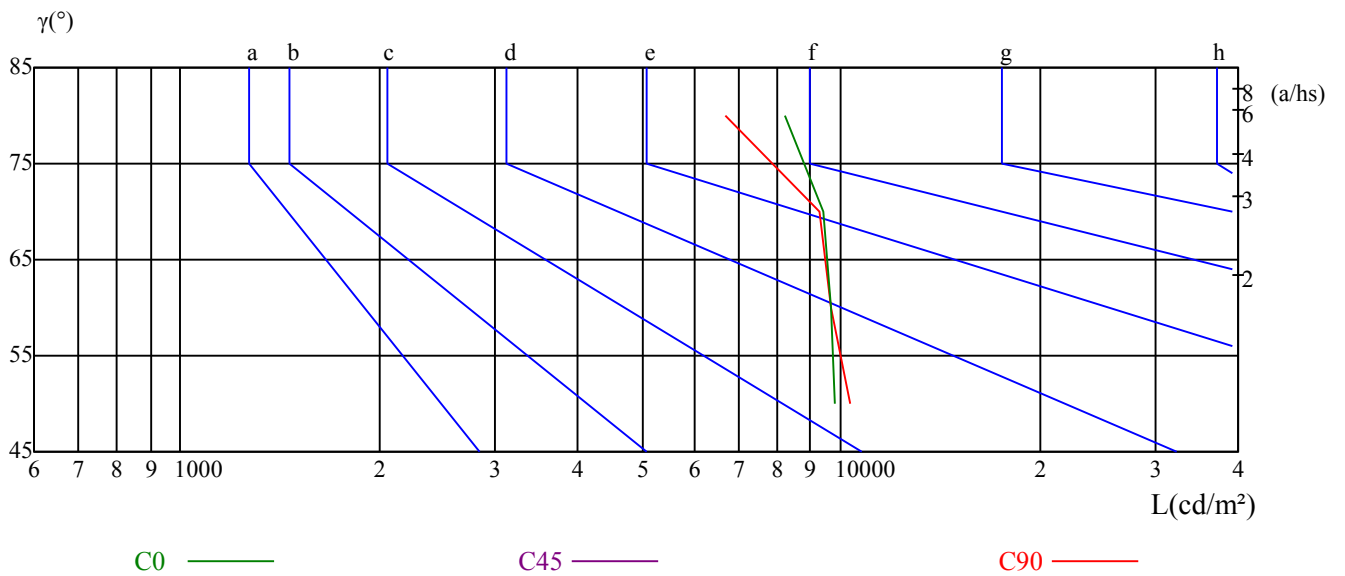
γ	45	50	55	60	65	70	75	80	85
C0	0	9808	0	9670	0	9427	0	8226	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10324	0	9670	0	9307	0	6702	0

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

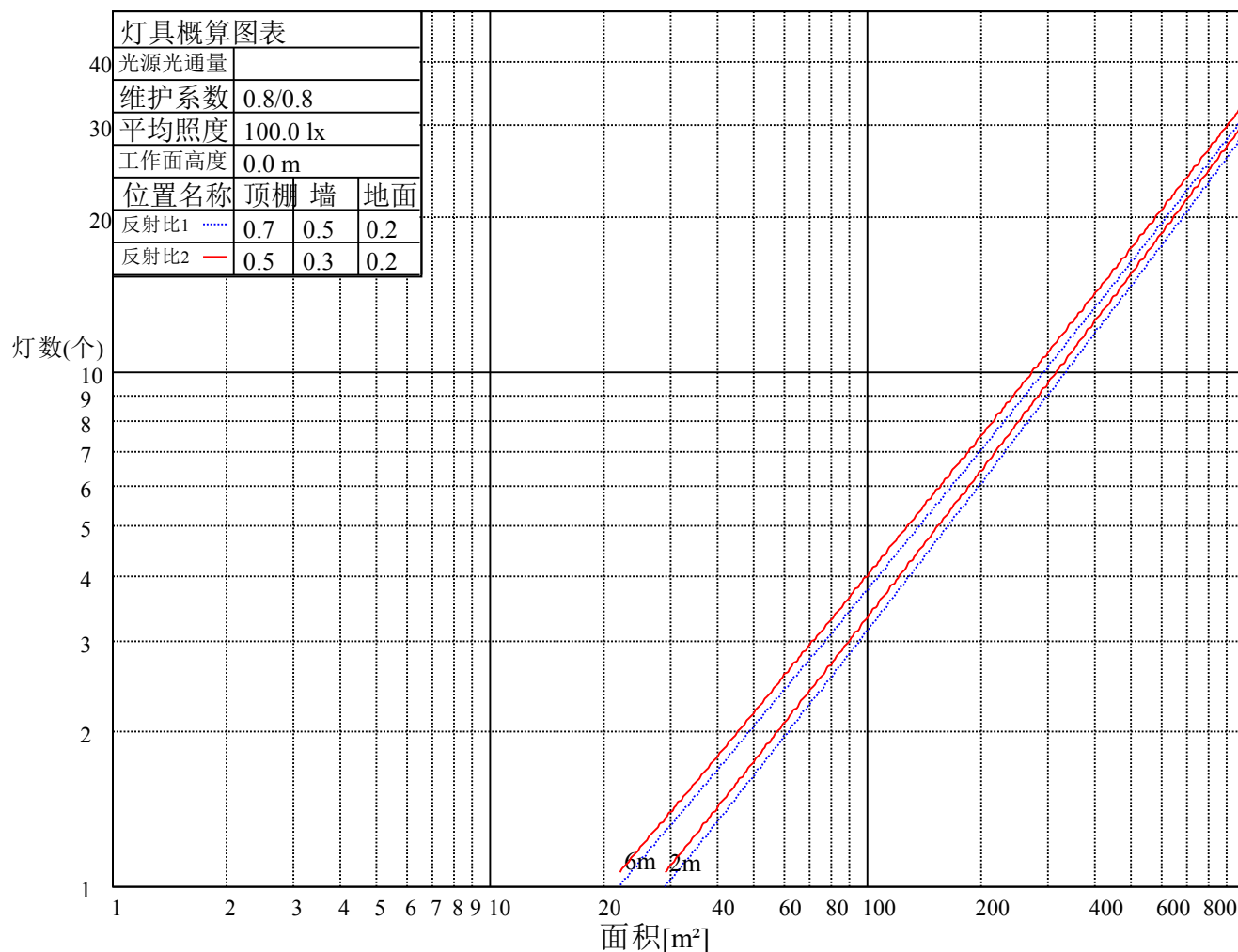
亮度限制曲线



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	11.07	12.14	11.44	12.45	12.77	11.33	12.40	11.70	12.71	13.03
	3H	12.92	13.87	13.30	14.20	14.57	13.23	14.17	13.61	14.51	14.87
	4H	13.55	14.43	13.95	14.78	15.17	13.91	14.79	14.32	15.15	15.54
	6H	13.91	14.71	14.32	15.09	15.48	14.40	15.21	14.82	15.58	15.98
	8H	13.98	14.74	14.42	15.13	15.54	14.53	15.30	14.97	15.69	16.10
	12H	14.05	14.77	14.48	15.16	15.59	14.66	15.39	15.09	15.77	16.20
4H	2H	11.70	12.58	12.11	12.93	13.32	11.90	12.78	12.31	13.13	13.52
	3H	13.69	14.42	14.11	14.83	15.23	13.99	14.71	14.40	15.12	15.53
	4H	14.42	15.07	14.86	15.49	15.94	14.77	15.42	15.21	15.85	16.29
	6H	14.80	15.36	15.27	15.81	16.28	15.27	15.82	15.74	16.27	16.75
	8H	14.90	15.42	15.38	15.87	16.34	15.44	15.96	15.91	16.41	16.88
	12H	14.97	15.42	15.46	15.90	16.38	15.57	16.02	16.06	16.50	16.98
8H	4H	14.66	15.18	15.14	15.63	16.10	14.97	15.49	15.45	15.94	16.41
	6H	15.15	15.56	15.66	16.07	16.55	15.59	16.00	16.10	16.50	16.99
	8H	15.30	15.67	15.83	16.19	16.69	15.82	16.19	16.35	16.71	17.20
	12H	15.91	16.22	16.43	16.72	17.30	16.48	16.79	17.00	17.29	17.87
12H	4H	14.66	15.11	15.15	15.60	16.08	14.96	15.41	15.45	15.90	16.37
	6H	15.53	15.55	15.71	16.02	16.57	15.95	15.97	16.13	16.44	16.99
	8H	15.37	15.68	15.89	16.18	16.76	15.87	16.19	16.39	16.68	17.26
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.2/-0.6					
S = 1.5H	0.8/-0.7					0.8/-0.6					
S = 2.0H	1.1/-0.7					0.8/-0.7					
标准表格	BK3					BK3					
更正系数	1.4					1.7					

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灯具的概算曲线



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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	1.09	1.07	1.09	1.07	1.05	1.05	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.05	1.01	0.98	1.03	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.91	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.85
4	0.94	0.90	0.86	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.88	0.85	0.83	0.81
5	0.91	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	0.79	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.76
7	0.84	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	0.73
8	0.81	0.77	0.73	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.73	0.71
9	0.79	0.74	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.70
10	0.77	0.72	0.70	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.68

ROLED 投光灯

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	29390.50	28093.64	24256.76	18739.32	13490.47	9308.27	6139.01	4197.55	2932.91
30.0	29781.86	29206.33	25822.20	20596.37	15048.24	10259.82	6990.80	4711.69	3328.11
60.0	29720.47	29022.16	25438.51	20519.63	14852.56	10158.52	6945.52	4675.62	3315.83
90.0	29467.24	29260.05	26121.48	21087.49	15823.29	10912.09	7328.44	4972.60	3921.29
120.0	29467.24	28592.43	24862.98	19936.43	14400.58	9902.99	6739.10	4713.22	3328.11
150.0	29367.48	28446.63	24862.98	19591.11	14257.85	9807.07	6852.67	4780.75	3898.27
180.0	29390.50	27671.58	23021.28	17895.21	12647.89	8831.73	6079.15	4244.36	3084.08
210.0	29781.86	27203.48	22484.12	15235.48	11796.10	7918.55	5492.88	3826.14	2741.83
240.0	29720.47	27341.61	22829.44	17135.51	12324.06	8295.33	5548.13	3936.64	2787.88
270.0	29467.24	26766.07	21785.80	15196.35	11518.31	7674.53	5193.60	3671.89	2584.52
300.0	29467.24	27441.37	22898.50	17557.56	12469.86	8402.77	5609.52	3959.66	2798.62
330.0	29367.48	27326.26	22683.63	15243.92	12018.64	8186.37	5504.39	3800.05	2715.74
360.0	29390.50	28093.64	24256.76	18739.32	13490.47	9308.27	6139.01	4197.55	2932.91
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2111.82	1530.15	1163.34	898.60	717.50	585.51	494.96	424.36	387.52
30.0	2367.35	1698.20	1262.33	990.68	781.96	633.85	534.09	455.82	398.27
60.0	2327.45	1529.00	1269.62	997.13	786.02	637.92	537.85	459.35	399.42
90.0	2501.65	1814.84	1337.54	1029.82	809.58	661.48	549.44	471.17	408.24
120.0	2428.75	1741.18	1309.22	1012.32	800.99	647.90	539.62	462.34	399.96
150.0	2487.07	1797.19	1359.79	1031.35	814.19	654.57	547.14	463.50	401.34
180.0	2220.02	1530.76	1224.27	959.22	753.33	616.74	513.53	437.56	380.00
210.0	1964.48	1474.67	1117.30	875.58	702.92	579.06	494.50	425.89	373.94
240.0	1975.99	1454.94	1122.67	874.04	703.68	578.60	494.19	425.89	389.83
270.0	1883.91	1400.15	1067.88	851.33	685.96	566.94	482.68	420.68	369.72
300.0	1990.57	1484.87	1128.04	877.88	703.68	583.97	491.89	426.66	387.52
330.0	1946.83	1455.56	1101.57	865.68	692.86	574.84	487.74	420.75	370.18
360.0	2111.82	1530.15	1163.34	898.60	717.50	585.51	494.96	424.36	387.52
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	330.89	297.43	269.35	246.56	228.91	212.64	199.75	188.31	178.03
30.0	352.23	314.70	284.54	261.21	241.42	224.92	211.87	199.52	189.08
60.0	352.61	316.01	285.08	261.91	241.80	224.84	210.18	197.60	185.94
90.0	360.82	324.37	293.06	267.43	245.48	227.45	211.34	198.21	185.40
120.0	351.92	313.47	284.47	259.91	241.11	223.84	209.03	195.68	184.63
150.0	356.52	318.15	285.92	260.75	241.72	224.99	211.49	199.36	189.00
180.0	337.57	301.27	271.80	248.94	229.22	212.87	199.36	188.47	178.49
210.0	332.43	298.66	271.19	250.93	233.13	218.24	206.12	195.07	185.63
240.0	334.04	300.27	273.57	251.39	233.82	218.40	205.12	193.23	181.94
270.0	332.43	300.73	273.72	252.08	232.67	216.63	202.97	190.92	179.03
300.0	331.35	298.36	272.19	250.24	232.67	217.86	204.28	192.23	181.10
330.0	329.59	298.13	269.81	249.63	232.05	217.40	204.43	193.15	183.63
360.0	330.89	297.43	269.35	246.56	228.91	212.64	199.75	188.31	178.03
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	168.90	160.92	152.71	144.42	135.98	126.46	116.72	107.20	96.31
30.0	179.26	170.74	161.92	154.01	145.03	135.29	125.16	112.88	100.22
60.0	174.81	163.91	152.40	142.35	132.45	122.47	111.88	101.06	90.78
90.0	172.97	162.07	152.71	144.42	135.90	127.46	117.49	106.20	95.08
120.0	173.43	162.07	151.02	141.20	131.60	121.25	111.50	100.76	90.40
150.0	179.49	170.97	162.45	154.09	145.42	135.29	124.85	111.96	98.76
180.0	169.36	161.53	153.32	144.96	135.75	126.23	116.41	106.51	95.69
210.0	176.04	167.36	158.85	150.48	141.27	130.53	119.56	106.82	91.93
240.0	171.59	160.84	149.33	139.20	129.84	118.94	108.74	97.38	86.87
270.0	167.36	158.23	149.72	141.20	131.84	122.09	111.81	101.14	89.48
300.0	170.97	160.23	149.02	139.59	129.99	119.86	108.81	98.68	87.86
330.0	174.50	165.60	157.16	149.33	140.28	129.99	119.94	107.97	94.46
360.0	168.90	160.92	152.71	144.42	135.98	126.46	116.72	107.20	96.31

ROLED 投光灯

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	85.33	74.28	63.77	52.57	42.67	31.00	19.95	9.44	1.15
30.0	85.72	73.90	61.31	49.88	40.06	28.47	16.81	7.60	2.61
60.0	81.03	70.29	55.94	44.58	34.53	22.25	11.97	7.44	3.76
90.0	83.72	69.52	57.48	46.73	34.76	23.48	13.05	8.13	4.76
120.0	81.19	69.91	56.17	43.28	34.53	21.26	10.74	6.60	3.53
150.0	85.18	73.67	61.01	49.96	40.13	26.24	15.81	6.68	2.00
180.0	84.56	73.21	62.62	51.41	39.98	28.85	17.34	6.91	0.92
210.0	78.81	66.15	53.95	43.59	33.53	20.72	10.82	3.61	1.38
240.0	77.12	66.30	52.26	40.36	30.23	18.72	9.98	5.14	2.46
270.0	76.81	63.69	51.95	41.75	28.24	17.11	11.59	5.83	2.69
300.0	78.66	68.14	53.95	42.67	33.23	20.57	10.67	5.91	3.07
330.0	81.19	69.14	56.71	46.04	36.68	23.94	14.35	5.45	1.84
360.0	85.33	74.28	63.77	52.57	42.67	31.00	19.95	9.44	1.15

C/γ(°)	90.0
0.0	0.38
30.0	0.84
60.0	1.07
90.0	1.23
120.0	0.54
150.0	0.23
180.0	0.23
210.0	0.23
240.0	0.23
270.0	0.23
300.0	0.15
330.0	0.23
360.0	0.38