

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3255S6--48-24DC(22-OD-48WN-AA.L1000.C.CT)

报告编号:

电压(V): 22.8000

测试编号: 20210406005

电流(A): 0.6170

光源规格型号: OD

功率(W): 14.1000

每个光源光通量(lm)

功率因数: 1.0220

光源数量: 48

镇流器型号:

发光面长度(mm): 1000

发光面宽度(mm): 20

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1171.78

灯具效能(lm/w): 83.10

中心光强(cd): 4182.967

最大光强(cd): 4267.378

最大光强角度: $C=30.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=22.3

[C90/270]Total=21.6

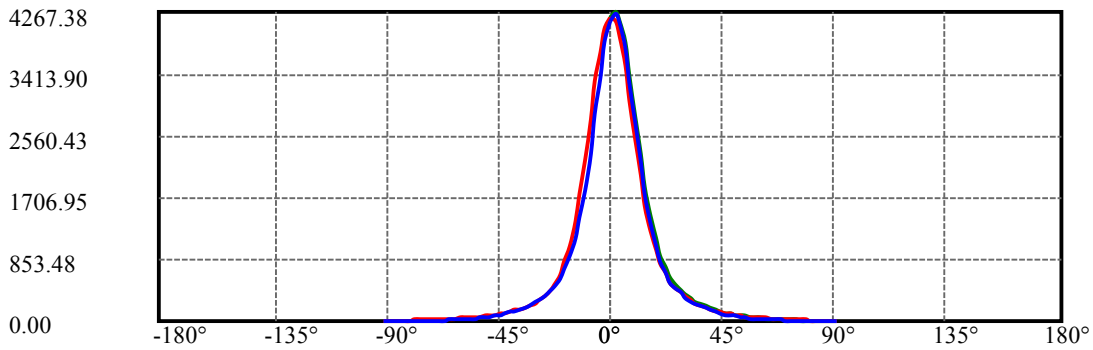
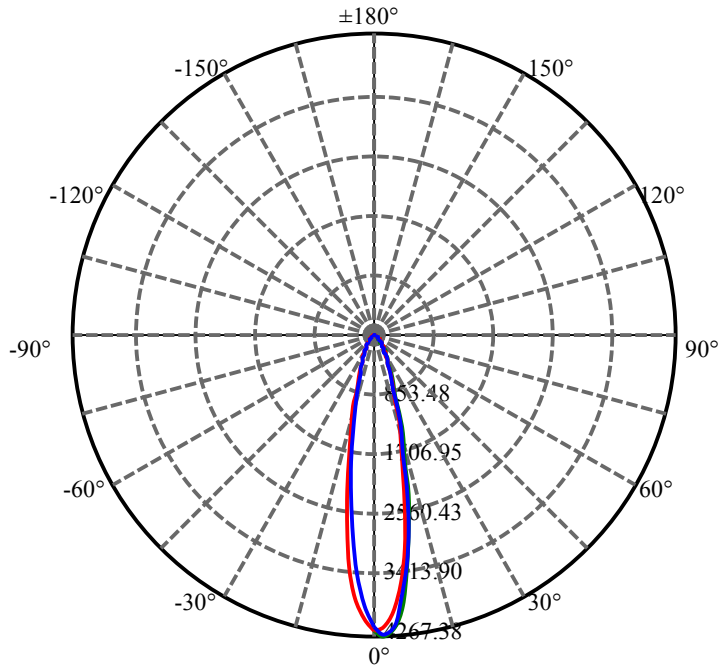
光束扩散角(10%Imax): [C0/180]Total=51.0

[C90/270]Total=51.0

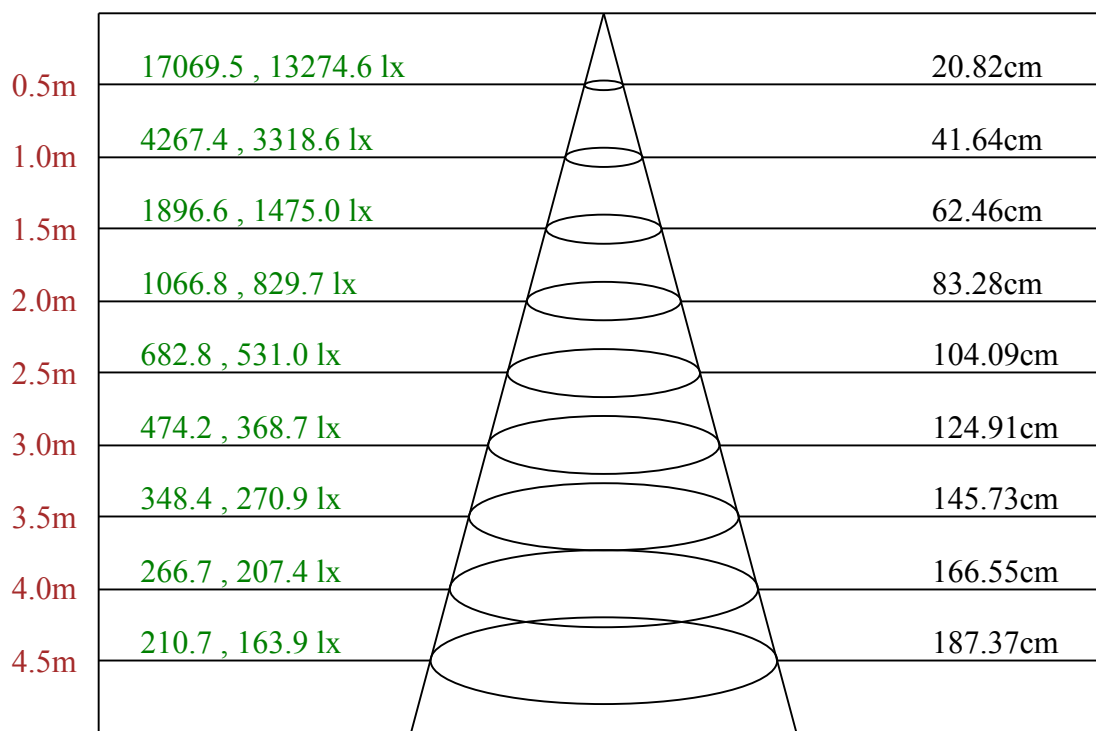
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/6
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

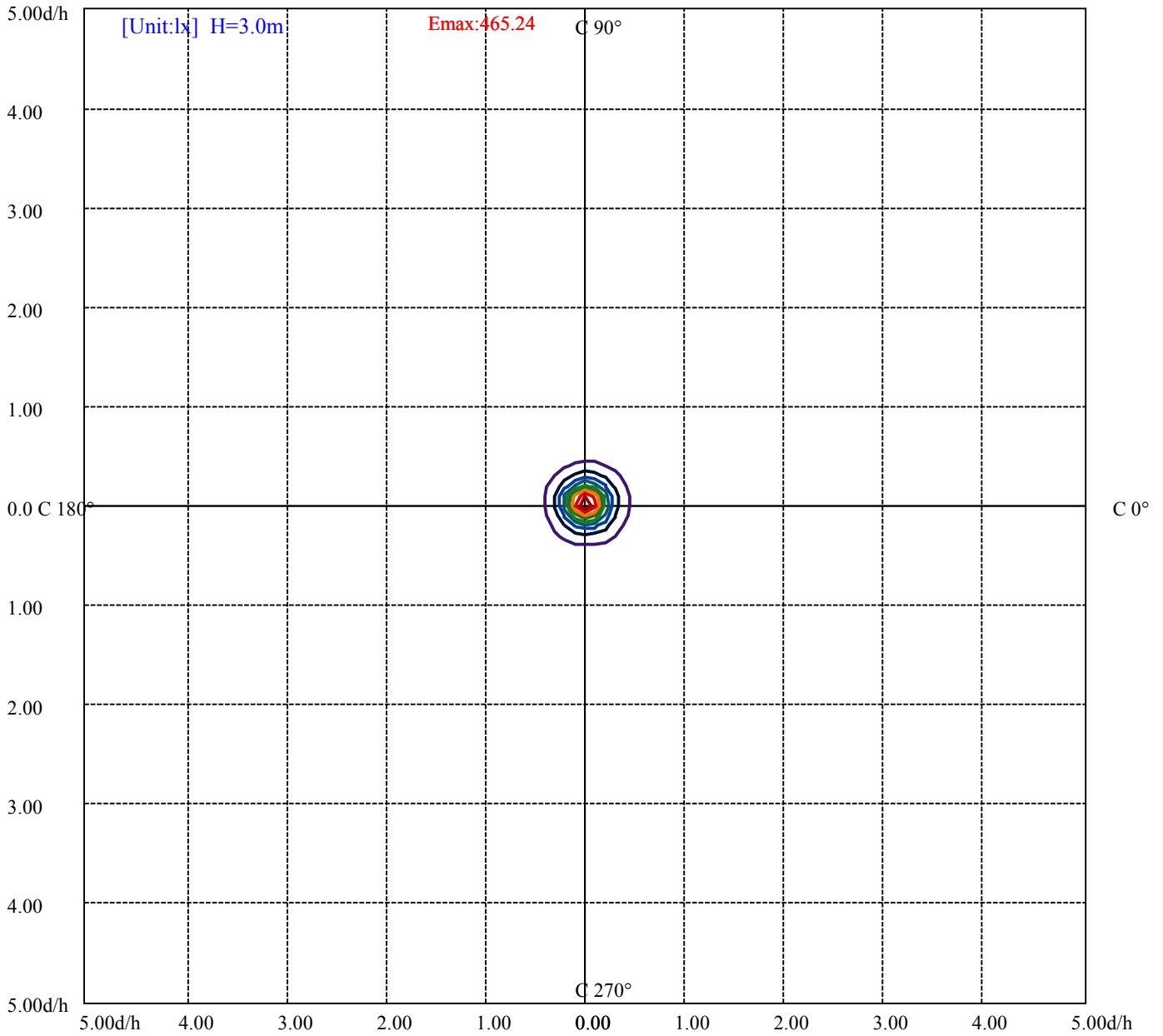


C30(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C30面光束角23.50

ROLED 投光灯
平面等照度曲线



- | | |
|--------------------|---|
| (10%Emax) 46.52433 | — |
| (20%Emax) 93.04867 | — |
| (30%Emax) 139.5733 | — |
| (40%Emax) 186.0978 | — |
| (50%Emax) 232.6222 | — |
| (60%Emax) 279.1467 | — |
| (70%Emax) 325.67 | — |
| (80%Emax) 372.1945 | — |
| (90%Emax) 418.7189 | — |

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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

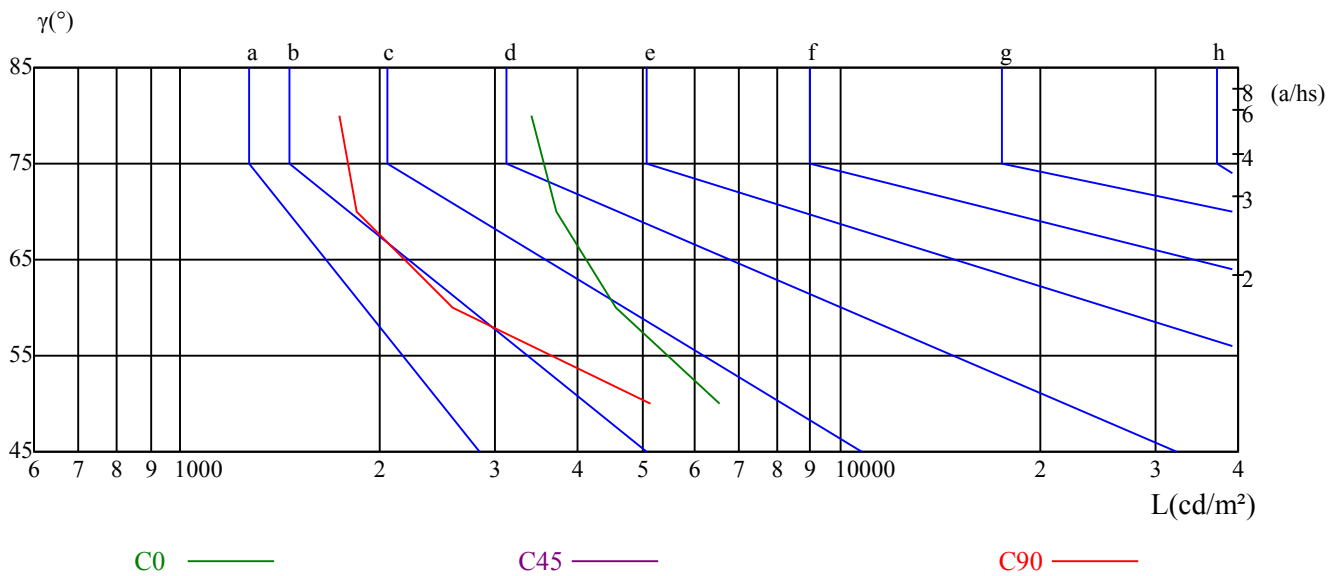
γ	45	50	55	60	65	70	75	80	85
C0	0	6554	0	4574	0	3702	0	3403	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5157	0	2578	0	1851	0	1746	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
113	0	0	0	0	0	0	0	0

眩光等级表

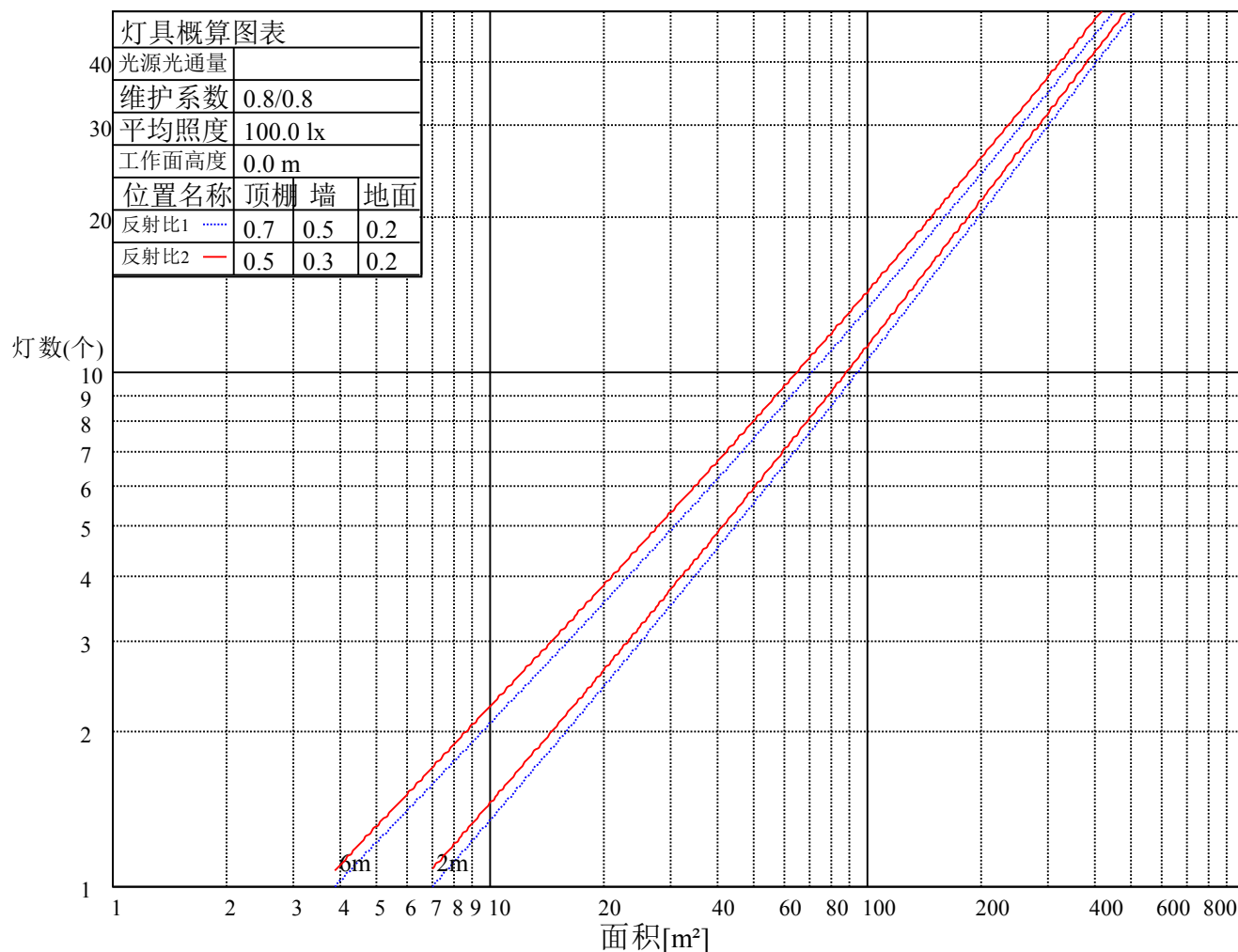
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

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	10.14	11.21	10.50	11.52	11.84	12.74	13.82	13.10	14.13	14.44
	3H	10.81	11.76	11.19	12.09	12.46	14.00	14.95	14.38	15.28	15.65
	4H	11.06	11.94	11.46	12.29	12.68	14.51	15.39	14.91	15.74	16.13
	6H	11.24	12.05	11.66	12.42	12.82	14.93	15.73	15.34	16.11	16.50
	8H	11.31	12.07	11.74	12.46	12.87	15.07	15.83	15.50	16.22	16.63
	12H	11.42	12.15	11.86	12.53	12.96	15.24	15.97	15.68	16.35	16.78
4H	2H	10.62	11.51	11.03	11.86	12.25	12.84	13.72	13.25	14.08	14.46
	3H	11.43	12.15	11.85	12.56	12.97	14.26	14.98	14.68	15.39	15.80
	4H	11.74	12.38	12.18	12.81	13.25	14.84	15.48	15.28	15.90	16.35
	6H	11.95	12.50	12.42	12.95	13.42	15.28	15.83	15.75	16.28	16.75
	8H	12.04	12.55	12.52	13.00	13.48	15.46	15.98	15.94	16.43	16.90
	12H	12.17	12.62	12.66	13.10	13.58	15.66	16.11	16.15	16.60	17.07
8H	4H	11.92	12.43	12.39	12.88	13.35	14.79	15.30	15.27	15.75	16.23
	6H	12.19	12.60	12.70	13.10	13.59	15.27	15.67	15.77	16.18	16.66
	8H	12.34	12.70	12.87	13.22	13.72	15.49	15.85	16.02	16.38	16.87
	12H	12.98	13.30	13.50	13.80	14.38	16.25	16.56	16.77	17.06	17.64
12H	4H	11.90	12.35	12.39	12.83	13.31	14.74	15.19	15.23	15.68	16.15
	6H	12.54	12.56	12.73	13.03	13.58	15.57	15.59	15.76	16.06	16.61
	8H	12.38	12.70	12.90	13.20	13.78	15.47	15.79	15.99	16.29	16.86
对应照射距离，改变观察者位置S											
S = 1.0H	1.3/-1.8					0.8/-1.2					
S = 1.5H	2.5/-2.9					1.7/-1.7					
S = 2.0H	4.5/-3.3					3.5/-1.8					
标准表格	BK2					BK2					
更正系数	-2.6					-0.9					

ROLED 投光灯 灯具的概算曲线



ROLED 投光灯

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	1.11	1.08	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.97	0.96	0.94
2	1.04	1.00	0.96	1.02	0.98	0.95	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.88
3	0.97	0.93	0.89	0.96	0.92	0.88	0.93	0.90	0.87	0.91	0.88	0.85	0.89	0.86	0.84	0.83
4	0.92	0.87	0.83	0.91	0.86	0.82	0.89	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.78
5	0.87	0.82	0.78	0.86	0.81	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.74
6	0.83	0.77	0.73	0.82	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.70
7	0.79	0.73	0.70	0.78	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.67
8	0.75	0.70	0.66	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.64
9	0.72	0.67	0.64	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.62
10	0.70	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.59

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	4182.97	4145.37	3914.38	3519.19	3050.32	2507.78	2006.69	1583.86	1253.89
30.0	4192.94	4267.38	4142.30	3839.95	3384.90	2843.90	2304.43	1848.61	1446.50
60.0	4181.43	4259.70	4111.60	3773.19	3315.06	2763.32	2229.23	1769.57	1385.27
90.0	4140.76	4238.22	4105.46	3767.82	3285.14	2750.28	2198.53	1740.41	1345.21
120.0	4166.85	4180.66	3977.31	3606.67	3137.80	2595.27	2101.84	1521.71	1264.33
150.0	4166.85	4138.46	3916.69	3537.60	3079.48	2543.08	2025.11	1593.84	1220.13
180.0	4182.97	4037.93	3722.54	3306.62	2779.44	2234.60	1750.38	1368.54	1046.78
210.0	4192.94	3925.13	3503.07	3022.69	2480.16	1962.18	1515.49	1196.03	923.31
240.0	4181.43	3912.85	3462.40	2927.54	2412.63	1900.79	1477.20	1148.76	903.97
270.0	4140.76	3843.79	3371.85	2858.48	2308.27	1814.08	1430.08	1130.42	890.54
300.0	4166.85	3959.66	3564.46	3065.67	2563.80	2052.73	1619.93	1277.68	1018.31
330.0	4166.85	4011.07	3676.50	3249.84	2734.93	2220.79	1772.64	1421.41	1120.68
360.0	4182.97	4145.37	3914.38	3519.19	3050.32	2507.78	2006.69	1583.86	1253.89
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	992.22	805.74	653.04	540.23	454.29	388.29	335.42	289.91	251.62
30.0	1136.48	913.18	735.91	604.69	503.40	427.43	376.01	316.08	272.73
60.0	1088.29	870.90	699.77	573.84	480.38	402.64	341.64	290.84	250.93
90.0	1044.40	832.60	663.78	537.93	443.54	388.29	319.00	275.64	237.73
120.0	978.33	771.52	609.99	494.19	410.16	342.63	290.68	248.02	214.64
150.0	936.20	737.45	582.44	469.63	389.06	325.44	276.10	238.88	207.04
180.0	821.48	642.52	508.54	412.08	343.86	290.14	249.47	218.24	190.31
210.0	734.53	585.12	474.01	392.90	332.35	282.55	244.03	212.95	185.32
240.0	715.96	583.97	477.31	398.27	338.57	289.91	248.94	214.79	186.40
270.0	715.12	587.50	485.29	411.39	349.31	299.28	258.61	224.00	191.92
300.0	814.95	671.45	550.98	461.19	389.83	334.88	287.23	247.02	213.64
330.0	898.06	734.61	602.39	507.31	427.43	363.20	312.17	270.42	233.36
360.0	992.22	805.74	653.04	540.23	454.29	388.29	335.42	289.91	251.62
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	218.32	189.54	163.83	143.50	124.78	109.12	95.69	84.26	74.13
30.0	235.97	204.28	177.19	154.86	134.52	117.64	102.06	89.17	77.04
60.0	215.94	185.94	161.00	138.13	119.02	100.60	86.64	74.36	64.54
90.0	204.51	174.81	149.79	127.15	107.82	91.78	77.81	66.30	55.25
120.0	185.40	161.53	139.36	120.25	103.52	88.79	76.97	66.38	57.94
150.0	180.72	157.77	139.05	121.63	106.82	94.54	83.49	74.36	65.76
180.0	166.60	146.03	129.38	114.19	101.60	90.01	80.19	71.90	64.77
210.0	162.07	142.27	124.24	109.04	95.54	84.49	74.59	65.46	58.09
240.0	161.23	139.05	120.09	103.37	88.86	76.12	66.30	57.48	49.57
270.0	164.14	140.66	119.71	101.83	85.79	73.13	61.08	49.57	40.36
300.0	184.40	159.92	135.21	116.56	99.84	85.18	73.82	63.31	54.10
330.0	202.59	176.57	152.94	133.06	115.11	100.53	87.40	75.82	66.07
360.0	218.32	189.54	163.83	143.50	124.78	109.12	95.69	84.26	74.13
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	65.38	58.09	51.26	45.74	40.67	35.91	31.85	28.55	25.32
30.0	67.38	58.78	51.26	45.12	39.29	34.38	29.77	25.71	22.02
60.0	55.48	47.50	40.21	33.38	27.78	23.17	19.72	16.65	13.97
90.0	46.20	37.75	30.77	25.78	21.64	18.49	15.96	14.04	12.66
120.0	50.26	43.43	37.22	31.77	27.09	23.02	20.03	17.11	14.58
150.0	58.17	51.41	45.35	40.13	35.30	31.16	27.40	24.02	20.95
180.0	57.63	51.11	45.66	40.82	36.60	32.77	29.47	26.47	23.79
210.0	51.18	45.35	39.67	35.07	30.70	27.01	23.48	19.88	16.42
240.0	42.05	35.38	29.39	24.63	20.87	17.42	14.66	12.12	9.90
270.0	32.54	26.55	21.56	18.03	15.19	13.28	11.74	10.13	8.75
300.0	44.89	37.45	30.46	25.17	20.64	17.04	14.20	11.82	9.82
330.0	57.63	50.34	43.59	38.37	33.23	28.93	24.94	20.72	16.96
360.0	65.38	58.09	51.26	45.74	40.67	35.91	31.85	28.55	25.32

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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	22.64	20.11	17.27	14.81	11.82	8.75	5.68	3.22	1.00
30.0	18.49	14.58	10.97	8.13	5.83	3.99	2.69	1.69	1.23
60.0	11.97	10.05	8.36	6.68	5.53	4.30	3.22	2.84	1.92
90.0	11.20	9.67	8.29	7.21	6.06	4.68	3.84	3.38	2.30
120.0	11.97	10.13	8.13	6.60	5.37	4.37	3.22	2.84	1.92
150.0	17.57	14.12	10.74	8.13	5.99	4.14	2.76	1.76	1.15
180.0	21.41	18.88	16.65	14.12	11.59	8.82	6.14	3.76	1.69
210.0	12.74	9.59	7.14	5.22	3.53	2.23	1.38	1.00	0.15
240.0	8.06	6.52	5.22	4.14	2.92	2.46	2.00	1.00	0.00
270.0	7.37	6.29	5.14	3.91	3.30	2.92	1.92	0.69	0.00
300.0	8.13	6.60	5.29	4.14	3.07	2.61	2.07	1.00	0.08
330.0	13.12	9.52	6.83	4.99	3.22	2.23	1.30	0.92	0.23
360.0	22.64	20.11	17.27	14.81	11.82	8.75	5.68	3.22	1.00

C/γ(°)	90.0
0.0	0.00
30.0	0.23
60.0	0.54
90.0	1.00
120.0	0.77
150.0	0.46
180.0	0.08
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.00
360.0	0.00