

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2032A-108-UN(20-OL-108WN-AA, CT)

报告编号:

电压(V): 219.0000

测试编号: 20210423003

电流(A): 0.5420

光源规格型号: OL

功率(W): 117.3000

每个光源光通量(lm)

功率因数: 0.9870

光源数量: 108

镇流器型号:

发光面长度(mm): 390

发光面宽度(mm): 240

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 11078.06

灯具效能(lm/w): 94.44

中心光强(cd): 48168.200

最大光强(cd): 49534.120

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=21.2

[C90/270]Total=21.0

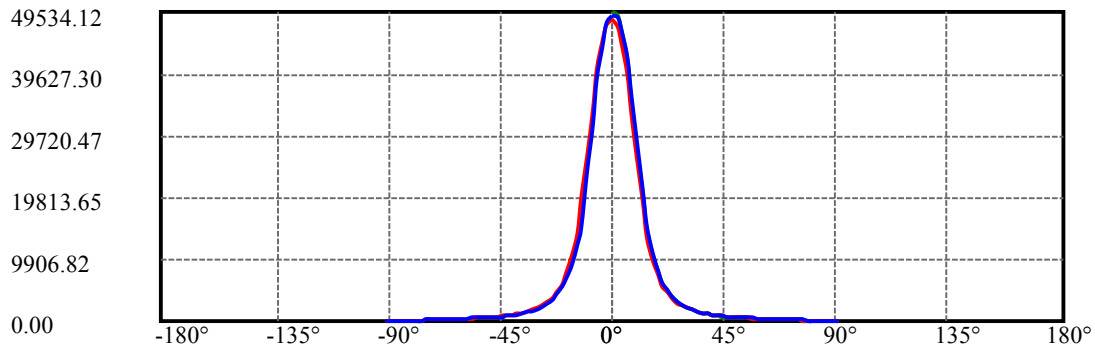
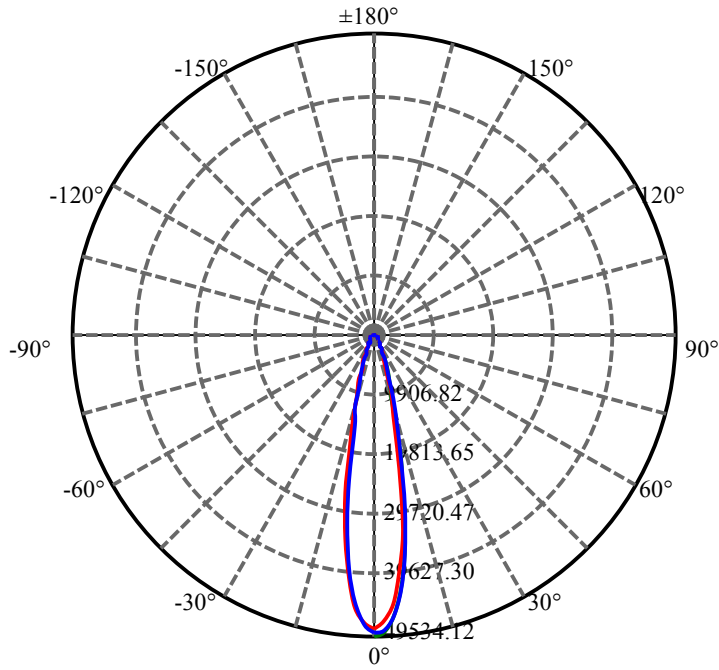
光束扩散角(10%Imax): [C0/180]Total=43.2

[C90/270]Total=42.8

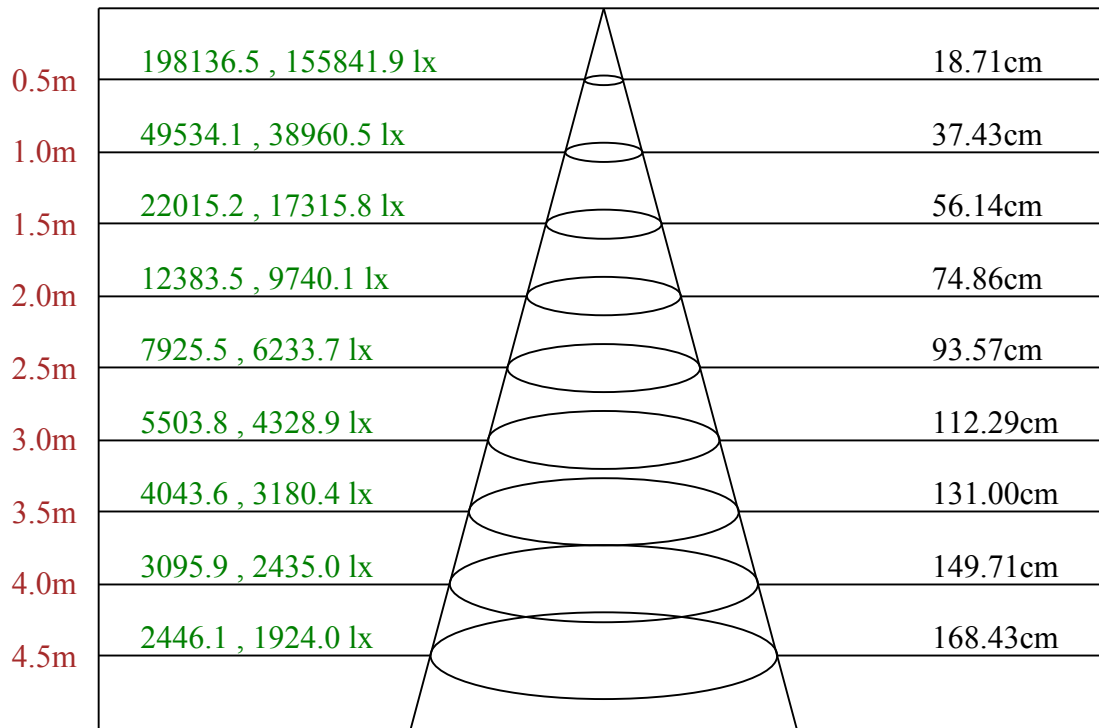
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/23
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

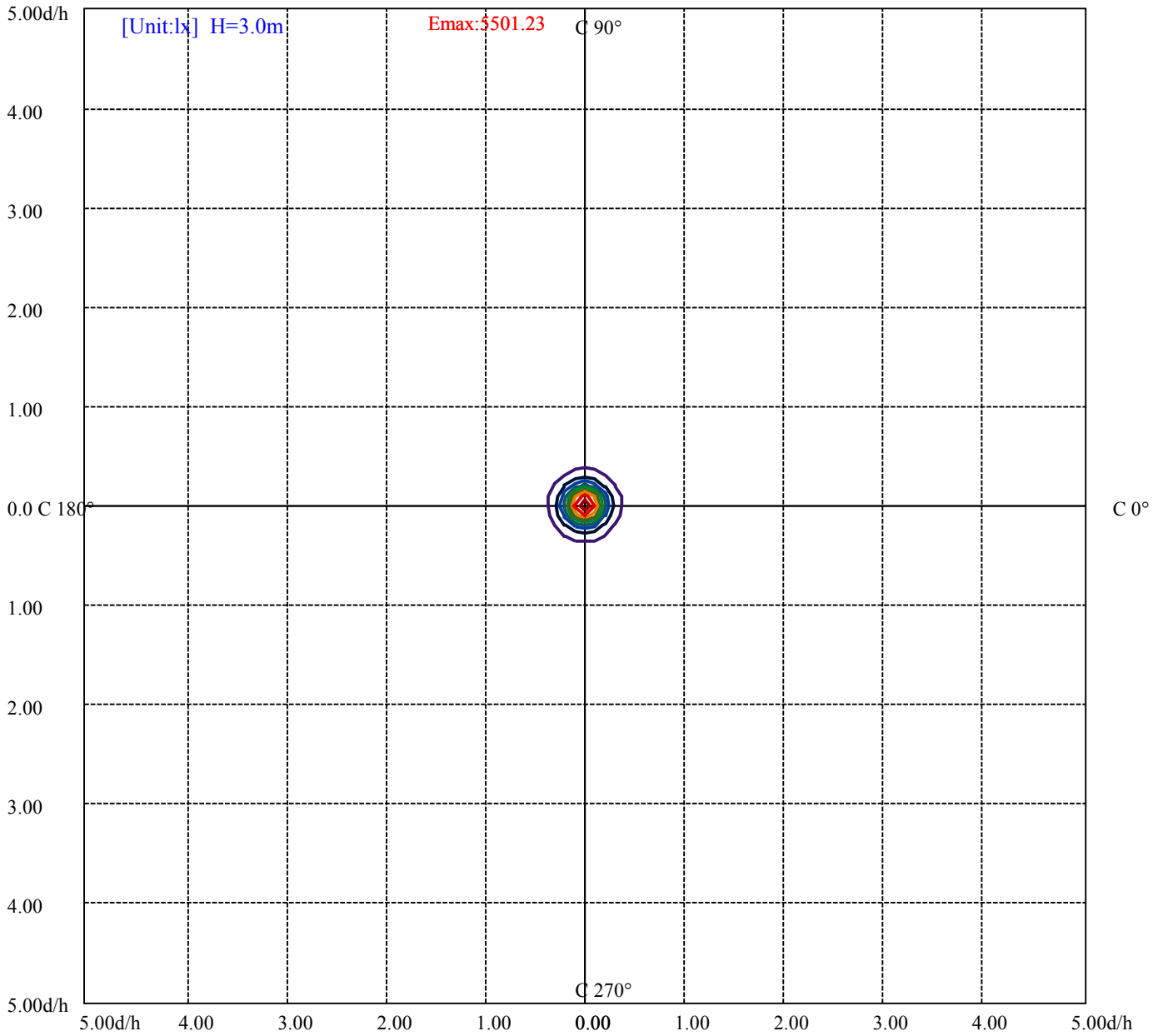


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角21.20

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平面等照度曲线



- (10%Emax) 550.1223
- (20%Emax) 1100.246
- (30%Emax) 1650.367
- (40%Emax) 2200.489
- (50%Emax) 2750.611
- (60%Emax) 3300.733
- (70%Emax) 3850.855
- (80%Emax) 4400.978
- (90%Emax) 4951.1

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环境湿度(%): 60.0%

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

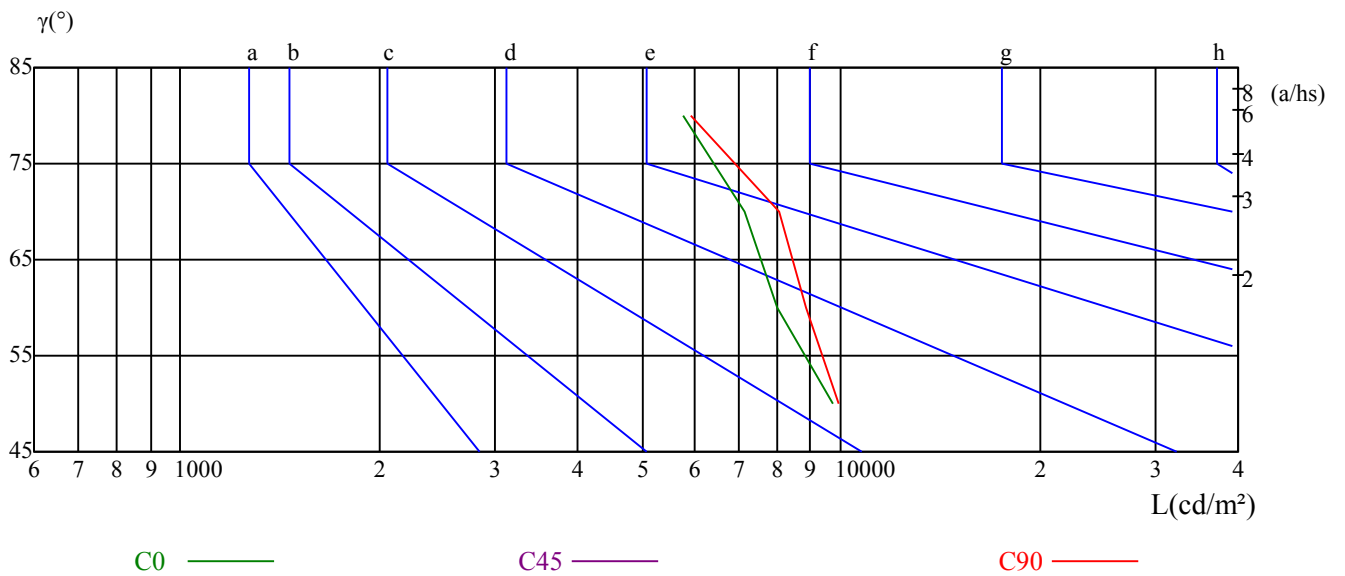
γ	45	50	55	60	65	70	75	80	85
C0	0	9744	0	8003	0	7138	0	5774	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9949	0	8854	0	8073	0	5949	0

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

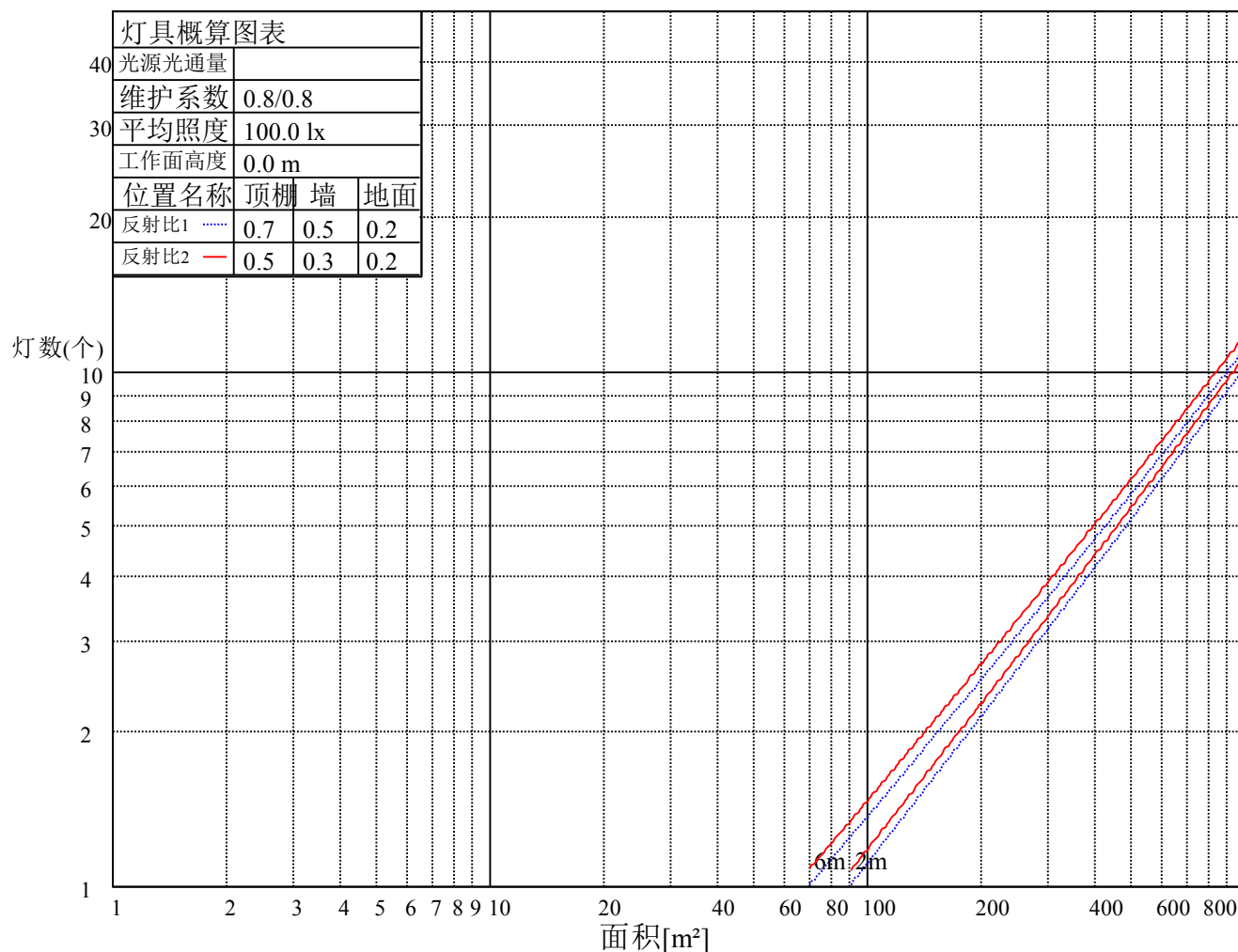
亮度限制曲线



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	7.29	8.37	7.65	8.68	9.00	7.07	8.15	7.43	8.46	8.78
	3H	8.95	9.91	9.34	10.24	10.61	8.73	9.69	9.11	10.02	10.39
	4H	9.52	10.41	9.93	10.76	11.15	9.34	10.23	9.74	10.58	10.97
	6H	9.83	10.65	10.25	11.02	11.42	9.74	10.55	10.16	10.93	11.32
	8H	9.88	10.65	10.31	11.04	11.45	9.83	10.60	10.27	10.99	11.40
	12H	9.89	10.62	10.32	11.01	11.44	9.91	10.65	10.35	11.03	11.46
4H	2H	7.84	8.73	8.24	9.08	9.47	7.67	8.56	8.07	8.91	9.30
	3H	9.71	10.45	10.13	10.85	11.26	9.58	10.31	9.99	10.72	11.12
	4H	10.39	11.05	10.83	11.47	11.92	10.31	10.97	10.75	11.39	11.84
	6H	10.73	11.29	11.20	11.74	12.21	10.73	11.29	11.20	11.74	12.21
	8H	10.79	11.31	11.27	11.76	12.24	10.85	11.37	11.32	11.82	12.29
	12H	10.80	11.25	11.29	11.74	12.22	10.93	11.38	11.42	11.87	12.34
8H	4H	10.63	11.15	11.10	11.60	12.07	10.56	11.08	11.03	11.53	12.00
	6H	11.06	11.47	11.57	11.98	12.46	11.10	11.51	11.61	12.01	12.50
	8H	11.16	11.53	11.69	12.05	12.55	11.28	11.65	11.81	12.17	12.66
	12H	11.74	12.05	12.26	12.55	13.13	11.88	12.20	12.40	12.69	13.27
12H	4H	10.62	11.07	11.11	11.56	12.04	10.54	10.99	11.03	11.48	11.96
	6H	11.43	11.45	11.61	11.92	12.47	11.46	11.48	11.64	11.95	12.50
	8H	11.21	11.53	11.73	12.03	12.61	11.33	11.65	11.85	12.14	12.72
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.3/-0.6					
S = 1.5H	0.9/-0.8					0.9/-0.8					
S = 2.0H	1.7/-0.9					1.6/-1.1					
标准表格	BK3					BK3					
更正系数	1.2					1.0					

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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	1.06	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	0.97	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	0.96	0.92	0.89	0.94	0.90	0.87	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	0.83	0.90	0.86	0.82	0.88	0.84	0.81	0.86	0.83	0.81	0.79
5	0.88	0.83	0.79	0.87	0.83	0.79	0.86	0.81	0.78	0.84	0.80	0.78	0.83	0.79	0.77	0.76
6	0.84	0.79	0.75	0.84	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.72
7	0.81	0.76	0.72	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.70
8	0.78	0.73	0.69	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.75	0.71	0.68	0.67
9	0.75	0.70	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.65
10	0.73	0.68	0.65	0.72	0.68	0.65	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.63

ROLED 投光灯

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	48168.19	47147.58	44377.35	39397.08	33204.36	25799.18	18938.84	13643.95	9960.54
30.0	49534.12	48904.87	46526.01	41891.06	35291.62	27472.06	20565.68	14718.27	10704.90
60.0	49488.08	48789.77	46326.49	41714.56	34961.65	27264.87	20542.66	14591.65	10591.32
90.0	48973.94	48674.66	46541.35	42267.07	36235.49	28477.32	21072.14	15324.50	10942.78
120.0	48996.96	48551.88	46196.04	41729.91	35092.10	27840.40	20749.85	15051.31	10776.26
150.0	48513.51	48237.26	46050.23	41929.42	35567.88	27878.77	20972.39	15094.29	11050.21
180.0	48168.19	47500.57	44845.45	40394.67	33787.57	26374.71	19936.43	14256.31	10431.71
210.0	49534.12	48390.73	45259.84	39811.47	32567.44	25039.48	18286.57	13076.09	9639.01
240.0	49488.08	48459.79	45497.72	40149.11	33250.40	25568.97	18992.56	13713.01	10021.93
270.0	48973.94	47615.68	44024.36	38645.06	31347.31	23942.13	15138.79	12446.07	9066.55
300.0	48996.96	47884.26	44668.96	39565.91	32697.89	25085.52	18324.94	13421.41	9691.96
330.0	48513.51	47132.23	43832.52	38399.50	31623.56	23942.13	16575.32	12706.21	9219.26
360.0	48168.19	47147.58	44377.35	39397.08	33204.36	25799.18	18938.84	13643.95	9960.54
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	7351.46	5655.56	4473.80	3704.89	2909.12	2391.14	2011.29	1701.27	1450.34
30.0	7911.65	6023.90	4673.32	3913.62	3015.79	2460.21	2051.96	1712.02	1459.55
60.0	7820.33	5924.91	4607.33	3696.45	2971.28	2428.75	2031.24	1698.97	1459.55
90.0	8080.47	6231.09	4834.47	3882.92	3090.22	2549.22	2105.68	1771.87	1498.69
120.0	7990.69	6043.85	4770.78	3789.30	3047.25	2514.69	2080.36	1737.34	1492.16
150.0	8103.49	6307.83	4934.23	3967.33	3216.07	2633.63	2204.67	1845.54	1563.91
180.0	7663.02	5941.79	4661.81	3774.72	3061.06	2521.60	2122.56	1785.68	1527.31
210.0	7288.54	5629.47	4453.08	3562.93	2890.71	2365.82	1983.67	1659.83	1423.94
240.0	7428.20	5716.95	4466.13	3905.94	2921.40	2388.84	1999.01	1681.32	1438.06
270.0	6889.50	5406.93	4238.22	3436.31	2798.62	2294.45	1910.77	1567.75	1387.88
300.0	7244.03	5663.23	4435.43	3716.40	2881.50	2388.07	1984.43	1688.23	1436.53
330.0	6987.73	5405.40	4295.00	3451.66	2841.59	2332.82	1949.14	1643.72	1421.64
360.0	7351.46	5655.56	4473.80	3704.89	2909.12	2391.14	2011.29	1701.27	1450.34
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1262.33	1106.56	973.03	864.83	779.65	703.68	642.29	586.28	536.40
30.0	1249.29	1082.00	946.94	843.35	754.33	679.90	622.34	572.46	530.26
60.0	1247.60	1093.51	960.98	858.16	768.76	696.55	640.68	591.03	548.83
90.0	1285.35	1116.53	987.61	874.04	781.96	711.36	648.43	598.55	551.74
120.0	1286.35	1124.05	999.28	892.23	803.06	727.32	667.54	614.51	568.24
150.0	1343.68	1175.62	1033.66	920.08	821.09	741.29	673.76	619.27	571.70
180.0	1318.97	1156.90	1015.39	904.51	806.13	723.79	654.42	597.79	547.52
210.0	1225.04	1063.28	936.20	830.45	742.28	670.69	615.97	566.63	524.04
240.0	1227.80	1078.93	946.94	840.28	758.93	686.80	630.78	581.67	540.23
270.0	1201.94	1057.44	931.06	835.44	746.81	681.05	624.64	578.14	534.63
300.0	1242.38	1095.05	963.06	857.16	771.21	701.38	641.53	594.72	549.44
330.0	1234.17	1067.73	948.63	850.02	757.02	684.88	627.64	577.68	534.09
360.0	1262.33	1106.56	973.03	864.83	779.65	703.68	642.29	586.28	536.40
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	477.31	439.71	403.64	374.56	345.55	310.40	281.86	253.31	228.52
30.0	492.66	459.66	429.73	402.11	377.86	349.69	321.45	290.84	263.75
60.0	512.07	480.76	449.84	420.29	392.44	362.82	329.51	294.06	263.29
90.0	513.37	478.08	447.38	414.38	388.29	350.77	318.23	287.31	258.45
120.0	529.57	493.42	462.27	429.88	400.88	370.34	338.87	302.88	269.73
150.0	529.49	494.96	461.96	430.50	403.64	375.86	333.81	304.42	276.79
180.0	503.40	453.37	418.07	383.07	339.18	312.40	285.31	258.99	234.51
210.0	489.43	456.36	425.74	397.50	370.34	340.10	311.55	282.55	252.77
240.0	504.17	473.47	440.47	409.78	388.29	348.77	313.47	281.24	250.32
270.0	496.72	462.04	426.51	390.67	354.45	323.83	293.21	266.13	233.82
300.0	509.54	475.77	439.71	402.87	374.63	341.79	307.41	276.10	244.95
330.0	498.18	464.26	434.87	406.25	377.32	347.08	318.23	288.46	259.60
360.0	477.31	439.71	403.64	374.56	345.55	310.40	281.86	253.31	228.52

测试设备: GMS1800
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测试人员: anpeilou
测试距离(m): 8.76

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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	201.13	174.81	147.57	119.02	93.85	64.31	38.22	14.04	2.38
30.0	234.89	208.11	174.73	138.51	108.35	74.67	44.43	18.34	3.38
60.0	232.59	204.89	164.99	130.45	94.31	62.46	34.84	7.29	3.68
90.0	228.83	192.00	162.45	127.92	96.69	65.23	32.00	5.45	4.07
120.0	237.20	204.28	164.06	130.15	95.77	62.23	33.69	7.90	3.68
150.0	248.02	215.79	180.10	143.42	110.50	78.27	45.97	19.72	3.30
180.0	206.12	177.57	150.25	122.17	94.31	66.68	40.13	15.58	2.38
210.0	225.53	192.53	154.93	123.78	93.16	59.32	30.31	8.29	2.53
240.0	221.62	185.86	148.10	114.26	82.19	50.42	19.34	4.22	2.76
270.0	197.06	165.75	131.37	101.37	68.45	39.75	9.98	3.76	2.53
300.0	217.70	182.02	144.80	113.11	80.96	49.27	19.18	4.07	2.76
330.0	230.83	191.92	153.78	122.70	92.47	59.16	30.85	8.52	2.53
360.0	201.13	174.81	147.57	119.02	93.85	64.31	38.22	14.04	2.38
C/γ(°)	90.0								
0.0	0.84								
30.0	1.53								
60.0	1.76								
90.0	1.92								
120.0	1.76								
150.0	1.53								
180.0	1.07								
210.0	0.84								
240.0	0.77								
270.0	0.69								
300.0	0.77								
330.0	0.77								
360.0	0.84								