

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1018A-36-UN(10-OL-36WN-AA, CT)

报告编号:

电压(V): 202.2000

测试编号: 20210223005

电流(A): 0.2030

光源规格型号: OL

功率(W): 40.1000

每个光源光通量(lm)

功率因数: 0.9770

光源数量: 36

镇流器型号:

发光面长度(mm): 210

发光面宽度(mm): 210

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 3729.96

灯具效能(lm/w): 93.02

中心光强(cd): 37793.270

最大光强(cd): 37877.680

最大光强角度: C=120.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=10.4

[C90/270]Total=10.6

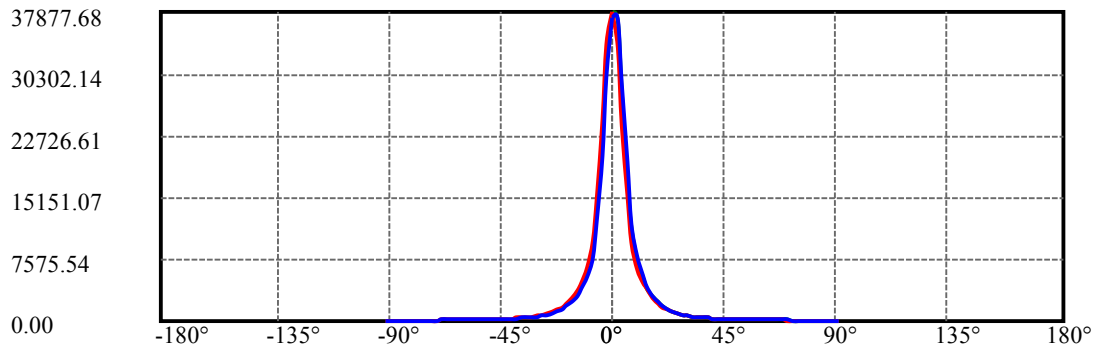
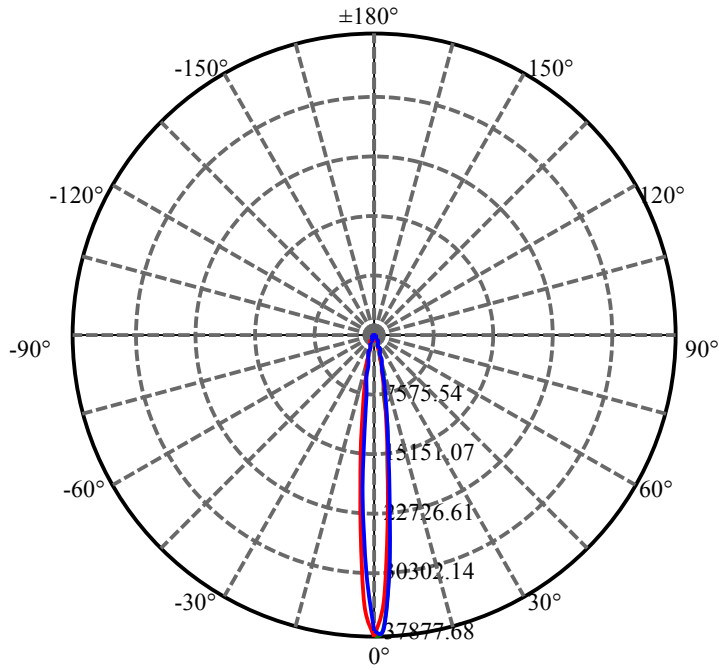
光束扩散角(10%Imax): [C0/180]Total=28.0

[C90/270]Total=27.4

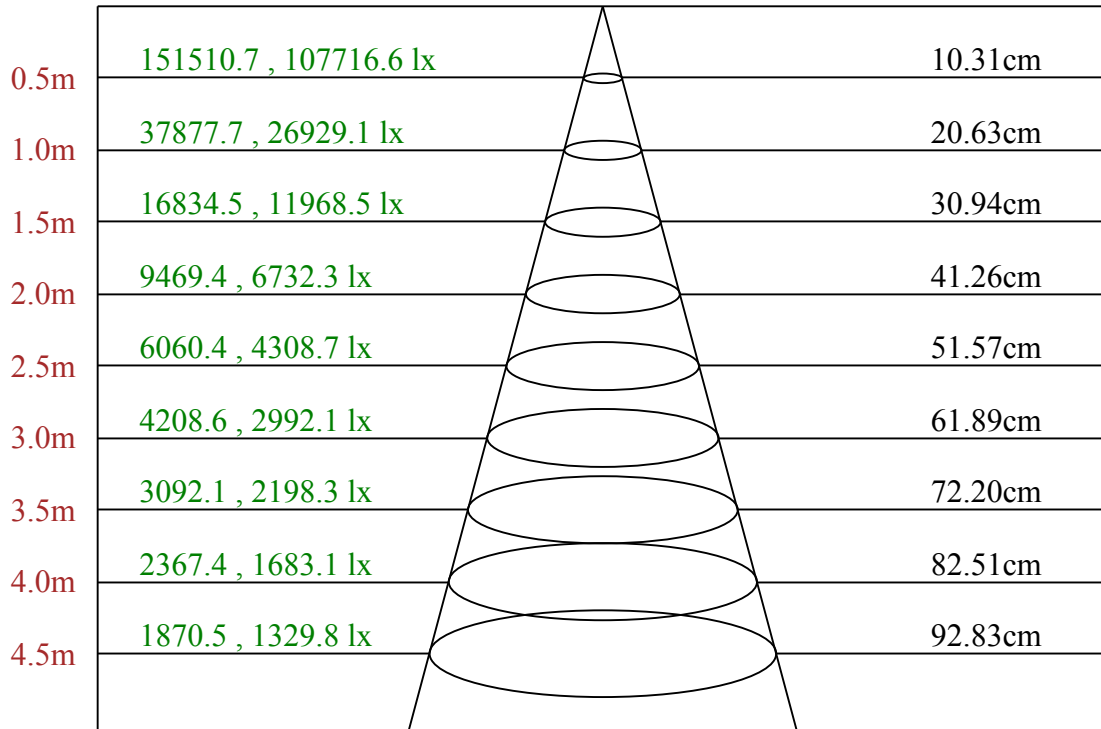
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/23
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

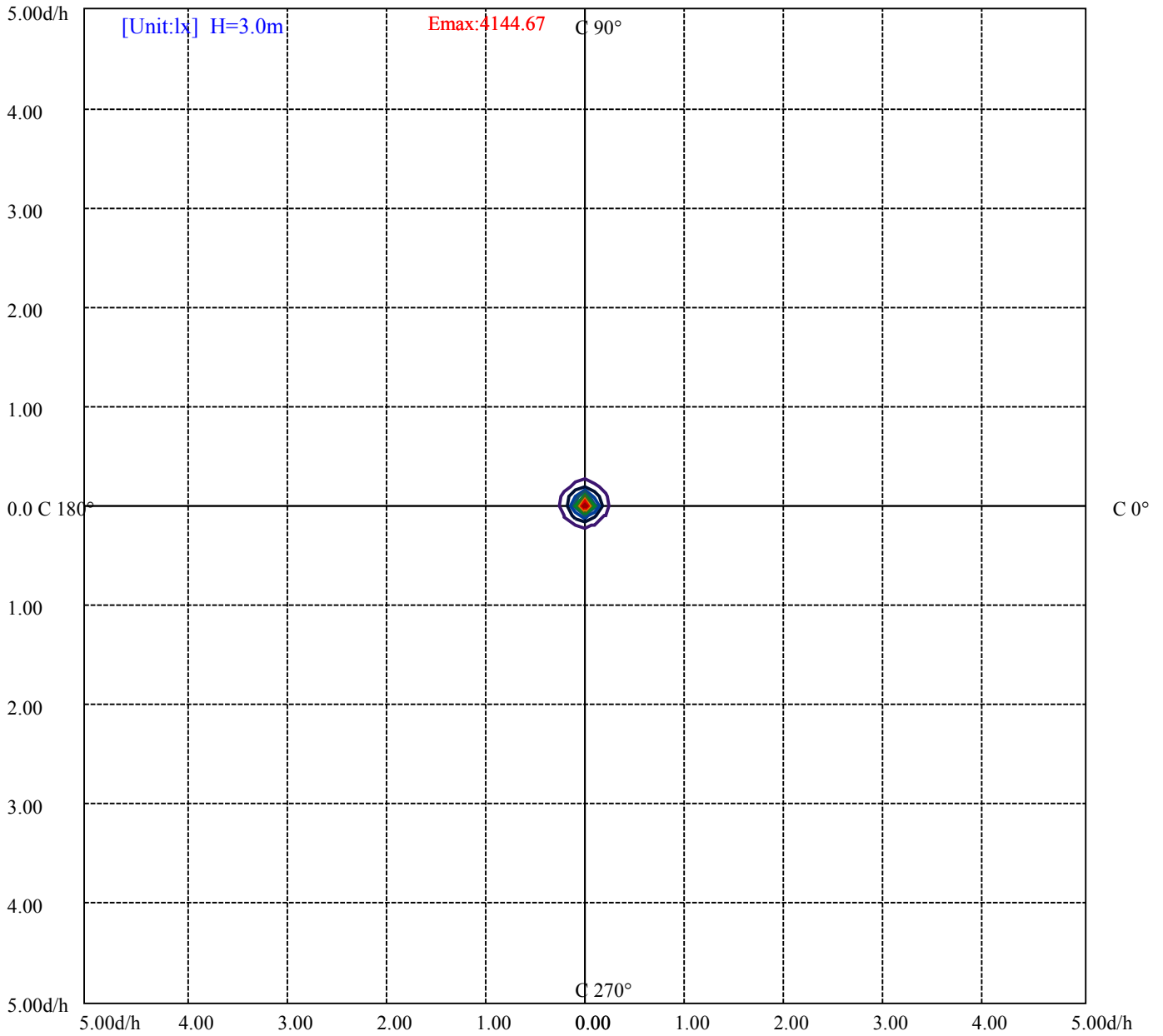


C120(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C120面光束角11.78

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平面等照度曲线



- (10%Emax) 414.4655
- (20%Emax) 828.9323
- (30%Emax) 1243.4
- (40%Emax) 1657.867
- (50%Emax) 2072.333
- (60%Emax) 2486.8
- (70%Emax) 2901.267
- (80%Emax) 3315.733
- (90%Emax) 3730.189

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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

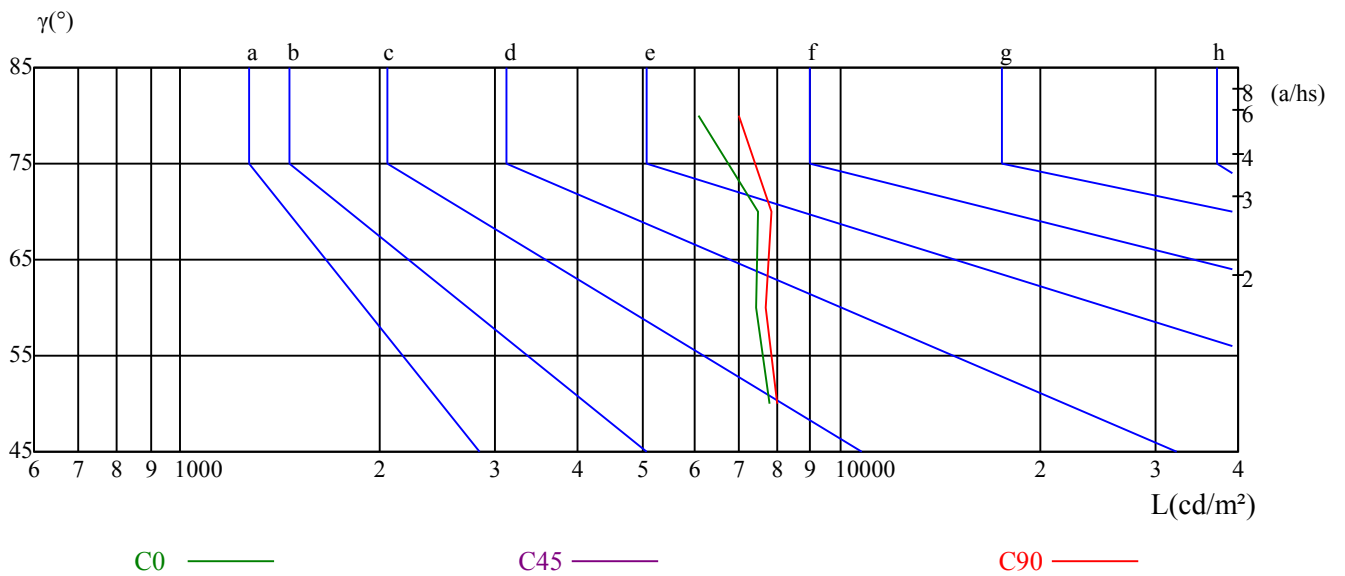
γ	45	50	55	60	65	70	75	80	85
C0	0	7815	0	7458	0	7520	0	6103	0
C45	0	0	0	0	0	0	0	0	0
C90	0	8037	0	7691	0	7840	0	6994	0

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

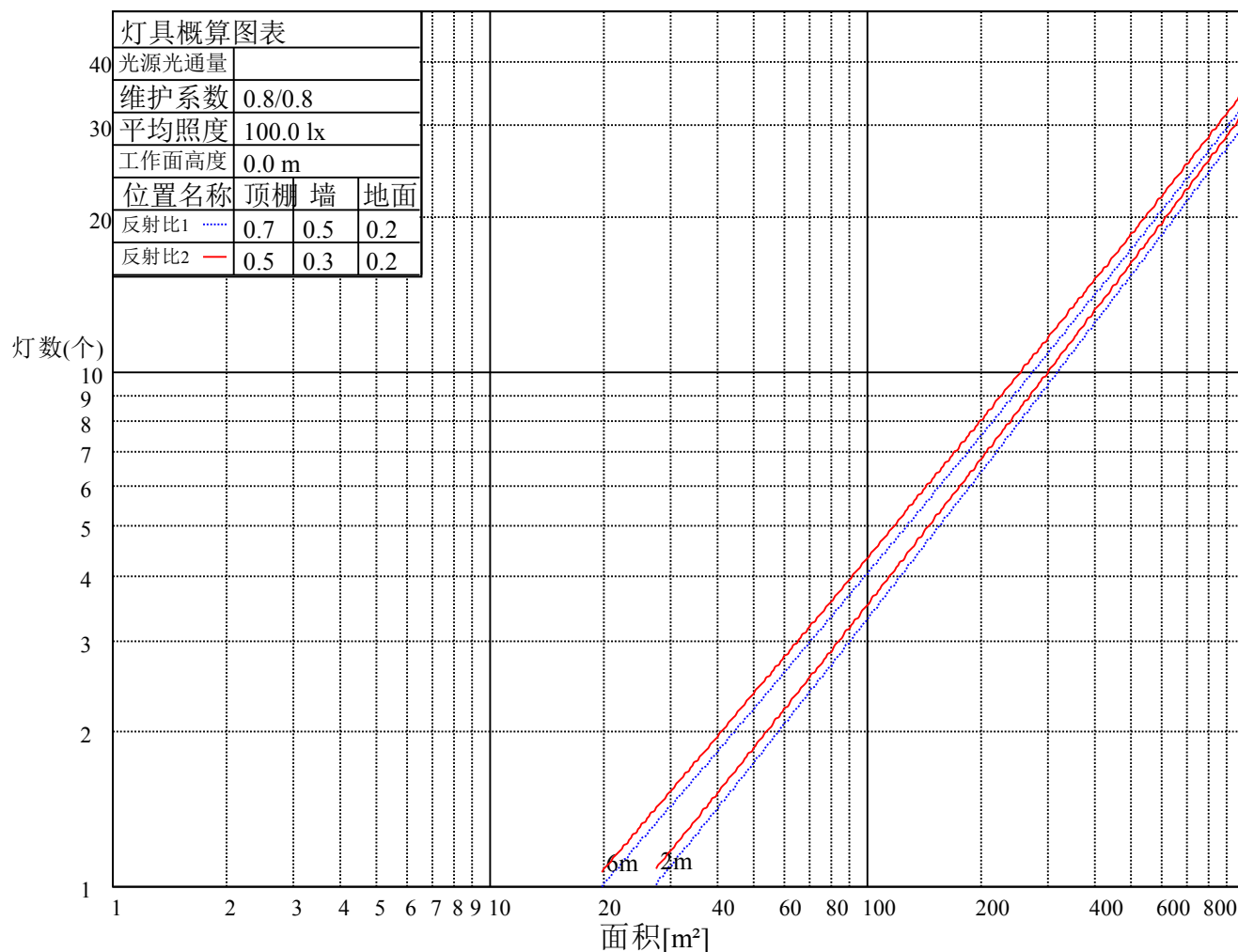
亮度限制曲线



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	11.03	12.14	11.39	12.45	12.76	11.04	12.15	11.41	12.46	12.78
	3H	13.03	14.02	13.42	14.35	14.72	13.06	14.04	13.44	14.37	14.74
	4H	13.79	14.70	14.19	15.05	15.44	13.82	14.73	14.22	15.09	15.47
	6H	14.30	15.14	14.72	15.52	15.91	14.34	15.18	14.75	15.55	15.95
	8H	14.44	15.23	14.87	15.62	16.03	14.47	15.26	14.90	15.65	16.06
	12H	14.55	15.30	14.98	15.69	16.12	14.58	15.33	15.01	15.72	16.15
4H	2H	11.66	12.58	12.07	12.93	13.32	11.67	12.59	12.08	12.94	13.33
	3H	13.87	14.63	14.29	15.03	15.44	13.88	14.63	14.29	15.04	15.45
	4H	14.74	15.41	15.17	15.83	16.28	14.75	15.42	15.18	15.85	16.29
	6H	15.26	15.84	15.73	16.29	16.76	15.27	15.85	15.74	16.30	16.77
	8H	15.43	15.97	15.90	16.42	16.89	15.44	15.98	15.92	16.43	16.91
	12H	15.54	16.01	16.03	16.50	16.97	15.55	16.02	16.04	16.51	16.99
8H	4H	15.01	15.55	15.48	16.00	16.47	15.02	15.56	15.49	16.01	16.48
	6H	15.67	16.10	16.17	16.60	17.08	15.68	16.11	16.18	16.61	17.09
	8H	15.90	16.28	16.43	16.80	17.30	15.91	16.29	16.44	16.81	17.31
	12H	16.50	16.83	17.02	17.33	17.90	16.50	16.84	17.02	17.33	17.91
12H	4H	15.01	15.49	15.50	15.97	16.45	15.02	15.50	15.51	15.98	16.46
	6H	16.09	16.09	16.24	16.56	17.10	16.10	16.10	16.25	16.57	17.12
	8H	15.98	16.31	16.50	16.81	17.38	15.99	16.32	16.51	16.82	17.39
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.7					0.2/-0.6					
S = 1.5H	0.7/-0.6					0.7/-0.6					
S = 2.0H	0.8/-0.7					0.8/-0.7					
标准表格	BKBF					BK4					
更正系数	5.0					2.0					

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

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	37793.27	33480.61	23934.46	15247.76	9546.16	6461.31	4657.97	3882.92	2753.35
30.0	37148.67	33396.20	24625.10	15784.92	9860.78	6630.13	4895.86	3890.60	2847.73
60.0	37455.62	34746.79	25484.56	15016.78	10332.72	7037.61	5033.99	3752.47	2908.36
90.0	37271.45	37010.54	29275.39	19568.09	12070.82	7973.04	5617.19	4128.48	3168.50
120.0	37877.68	36603.84	28254.78	16951.34	11612.70	7597.02	5435.32	4010.31	3056.46
150.0	37455.62	36603.84	28339.20	18700.95	11809.92	7681.43	5440.70	4082.44	3098.66
180.0	37793.27	33948.71	24632.77	15138.79	9909.89	6664.66	4812.21	3658.08	2804.76
210.0	37148.67	32667.20	23642.85	14669.16	9246.11	6197.33	4525.22	3405.61	2634.40
240.0	37455.62	32153.05	22921.52	14127.39	8840.17	6100.64	4304.98	3296.65	2524.67
270.0	37271.45	29981.38	20251.05	12172.89	7795.77	5484.44	4009.54	3049.55	2337.43
300.0	37877.68	31401.03	21194.93	12792.16	8233.94	5647.89	4097.79	3100.97	2418.00
330.0	37455.62	30856.19	20627.07	12759.16	8139.56	5588.80	4083.21	3143.94	2410.33
360.0	37793.27	33480.61	23934.46	15247.76	9546.16	6461.31	4657.97	3882.92	2753.35
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2152.49	1681.32	1326.79	1063.58	862.53	711.36	593.18	511.07	444.31
30.0	2213.88	1722.76	1354.42	1094.28	884.02	728.24	615.44	524.12	457.36
60.0	2250.71	1751.15	1405.14	1121.29	906.88	753.87	631.09	536.17	463.80
90.0	2444.09	1918.44	1483.34	1192.50	956.92	788.10	656.11	555.58	481.14
120.0	2354.31	1850.91	1464.31	1163.50	948.63	779.04	656.26	552.13	480.61
150.0	2426.44	1880.07	1473.36	1171.02	952.31	778.12	649.97	554.81	477.31
180.0	2167.84	1685.93	1351.35	1076.40	879.11	723.71	605.38	517.06	449.84
210.0	2034.31	1530.99	1284.74	1027.82	841.43	696.85	592.64	509.92	446.54
240.0	1971.39	1545.50	1240.08	991.45	811.88	675.29	568.63	494.96	432.03
270.0	1830.96	1448.35	1158.51	929.45	764.31	636.00	544.07	471.78	413.46
300.0	1865.49	1484.87	1181.76	947.71	781.19	659.18	557.11	481.91	425.13
330.0	1870.10	1500.45	1190.05	966.74	794.77	661.55	560.26	487.67	425.59
360.0	2152.49	1681.32	1326.79	1063.58	862.53	711.36	593.18	511.07	444.31
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	390.59	354.53	321.76	293.67	271.80	251.93	234.89	221.54	208.50
30.0	402.11	360.28	325.83	298.74	274.18	253.39	237.58	223.38	210.80
60.0	409.63	364.35	328.90	301.35	276.49	255.08	238.12	224.23	211.41
90.0	421.29	387.52	337.95	309.10	283.09	261.68	243.41	227.83	214.10
120.0	420.68	376.63	339.64	309.25	284.77	262.44	244.64	230.06	217.63
150.0	418.22	380.77	337.95	307.49	283.01	260.91	243.10	228.83	215.25
180.0	399.73	357.60	325.83	297.97	273.88	253.85	238.12	223.31	210.11
210.0	393.97	354.37	321.15	295.29	272.03	252.01	236.74	223.15	210.87
240.0	388.29	346.24	314.62	287.46	266.20	247.17	231.06	218.16	205.89
270.0	370.49	335.04	305.26	280.48	260.37	242.26	227.68	214.17	201.97
300.0	388.29	341.64	312.63	286.31	264.67	246.40	231.67	218.63	207.11
330.0	377.55	342.33	311.55	285.62	263.90	246.33	230.75	217.40	205.35
360.0	390.59	354.53	321.76	293.67	271.80	251.93	234.89	221.54	208.50
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	196.45	185.78	175.50	164.45	154.70	145.26	134.98	124.78	113.42
30.0	199.52	189.54	179.26	169.67	159.77	148.87	138.05	126.00	113.57
60.0	200.36	189.54	179.03	168.29	158.77	148.33	137.67	126.92	115.18
90.0	202.28	191.00	180.03	169.59	159.23	149.02	139.43	129.15	118.25
120.0	205.89	195.53	185.17	174.81	164.83	154.47	143.65	131.76	120.02
150.0	203.28	192.00	181.56	170.59	160.15	150.25	139.66	128.77	117.33
180.0	199.06	187.93	177.03	166.21	156.70	146.65	136.98	126.62	115.18
210.0	199.06	189.08	178.65	168.59	159.23	148.18	137.21	125.16	112.73
240.0	194.38	184.02	173.96	163.14	153.94	143.73	132.99	122.32	111.50
270.0	191.08	180.41	169.21	158.92	149.64	139.20	129.53	119.10	107.36
300.0	195.76	185.47	174.88	164.53	155.01	143.96	132.91	121.40	109.20
330.0	193.84	183.56	171.59	161.46	151.33	140.97	130.07	119.25	107.66
360.0	196.45	185.78	175.50	164.45	154.70	145.26	134.98	124.78	113.42

测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/23
环境湿度(%): 60.0%

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	101.22	87.86	74.44	60.32	46.73	33.07	18.80	5.68	1.00
30.0	100.68	86.94	73.51	59.93	47.58	32.77	19.26	6.45	1.07
60.0	102.60	88.94	75.66	61.85	48.34	34.84	21.49	8.75	1.07
90.0	106.13	93.70	79.73	66.68	53.56	39.60	25.48	12.05	1.46
120.0	107.13	93.47	79.35	66.07	52.41	38.37	24.94	11.43	1.23
150.0	105.67	92.47	79.04	65.46	52.18	38.14	24.40	11.20	1.23
180.0	102.60	89.02	75.74	62.00	49.34	34.61	20.95	8.21	1.15
210.0	100.07	86.71	73.21	59.70	47.27	32.46	18.95	7.21	1.07
240.0	98.68	85.49	72.06	58.40	45.12	31.46	17.73	5.45	1.07
270.0	94.62	81.11	68.07	54.64	42.05	27.70	13.81	2.61	0.84
300.0	95.77	82.80	68.60	55.79	42.13	27.86	14.43	2.99	0.92
330.0	94.77	81.34	67.30	54.33	40.82	27.24	13.74	2.61	0.84
360.0	101.22	87.86	74.44	60.32	46.73	33.07	18.80	5.68	1.00

C/γ(°)	90.0
0.0	0.31
30.0	0.31
60.0	0.46
90.0	0.69
120.0	0.77
150.0	0.69
180.0	0.54
210.0	0.46
240.0	0.23
270.0	0.31
300.0	0.31
330.0	0.23
360.0	0.31