

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1029A-5-24DC-RC-Y(20-PR-5RGBPCA-AJ,Line1000.CT)

报告编号:

电压(V): 24.2000

测试编号: 20210129005

电流(A): 1.2800

光源规格型号: PR

功率(W): 31.0000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 5

镇流器型号:

发光面长度(mm): 110

发光面宽度(mm): 110

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 991.04

灯具效能(lm/w): 31.97

中心光强(cd): 4192.175

最大光强(cd): 4704.783

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=22.0

[C90/270]Total=22.7

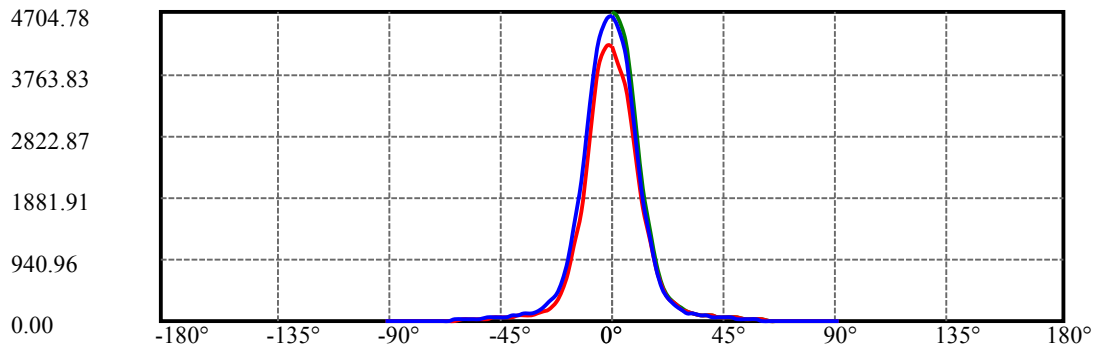
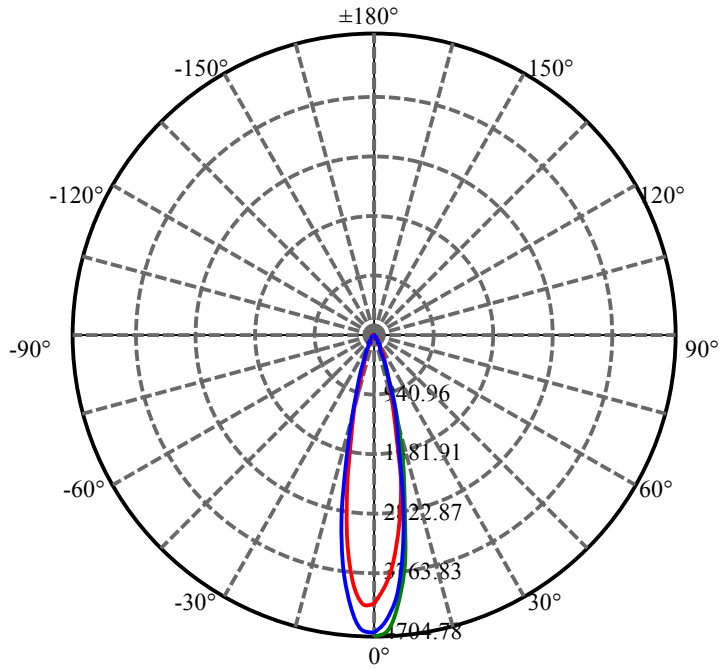
光束扩散角(10%Imax): [C0/180]Total=42.0

[C90/270]Total=42.3

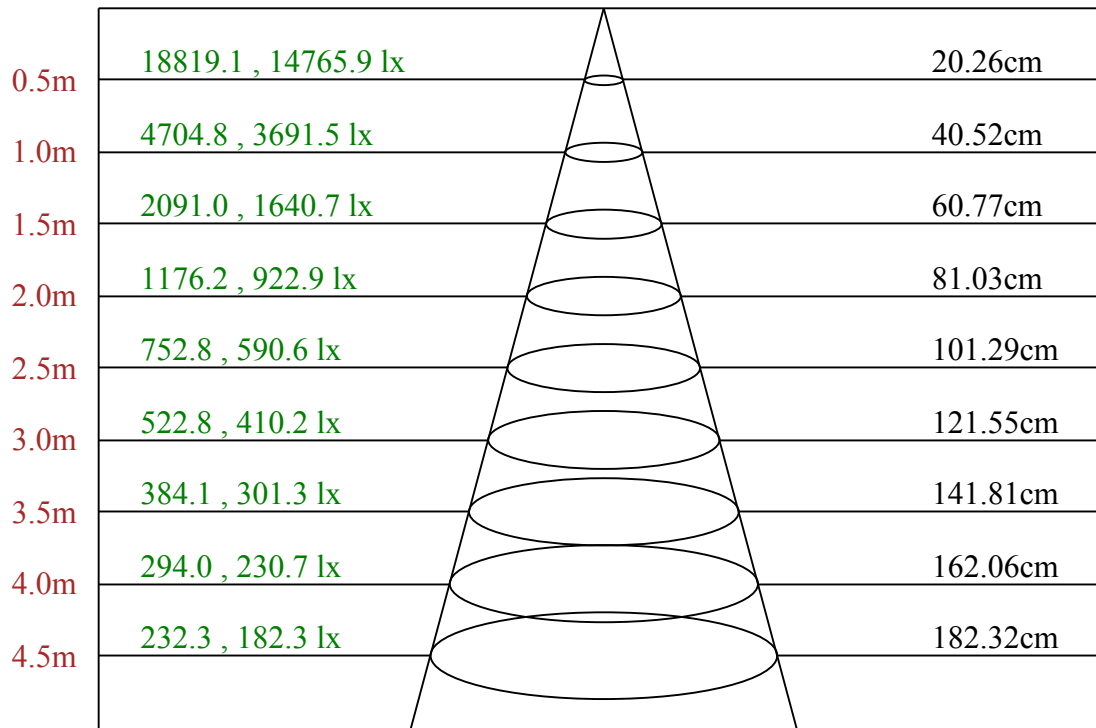
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/1/29
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

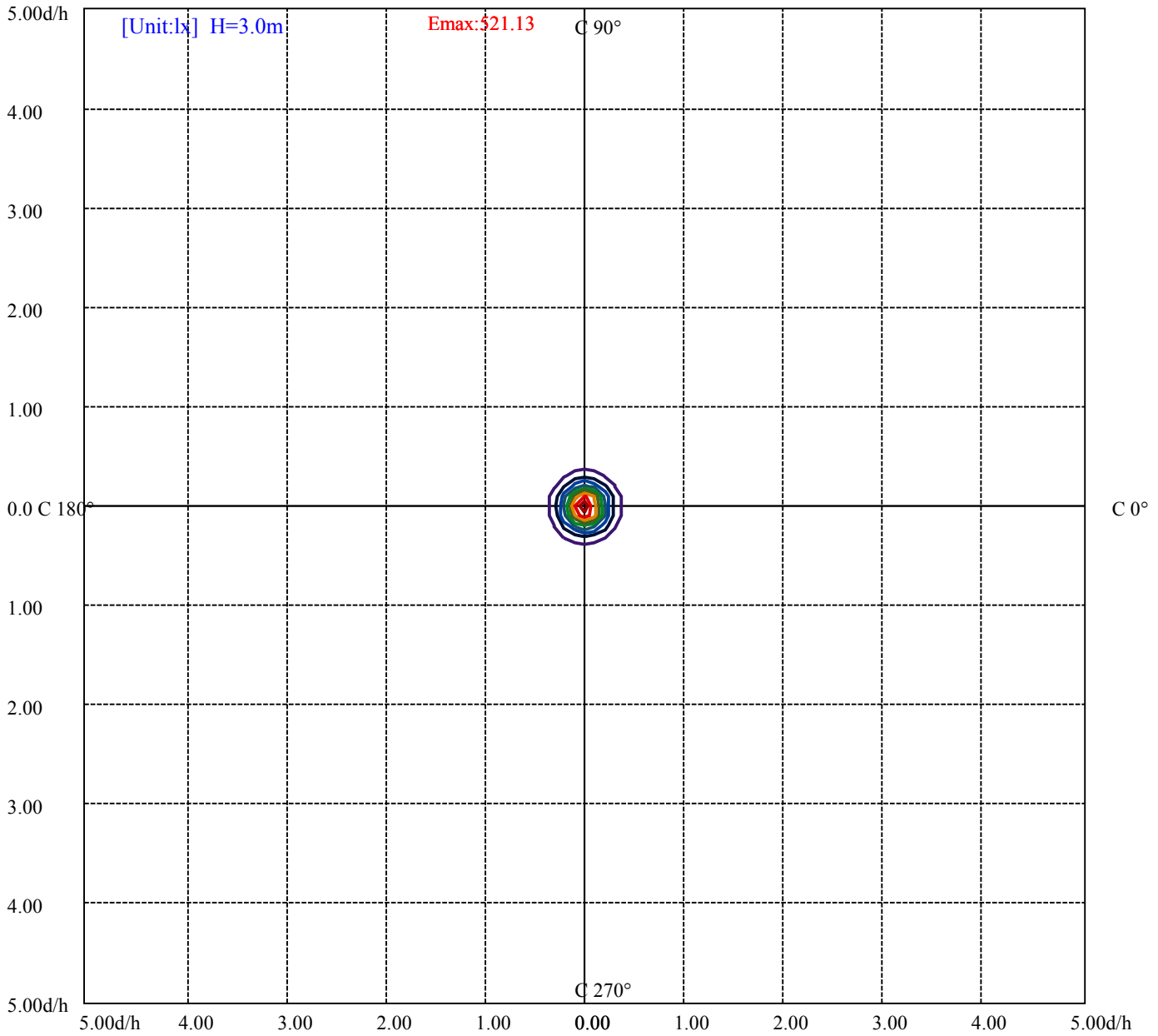


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角22.90

ROLED 投光灯
平面等照度曲线



- (10%Emax) 52.11322
- (20%Emax) 104.2264
- (30%Emax) 156.34
- (40%Emax) 208.4533
- (50%Emax) 260.5667
- (60%Emax) 312.6789
- (70%Emax) 364.7922
- (80%Emax) 416.9055
- (90%Emax) 469.0189

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

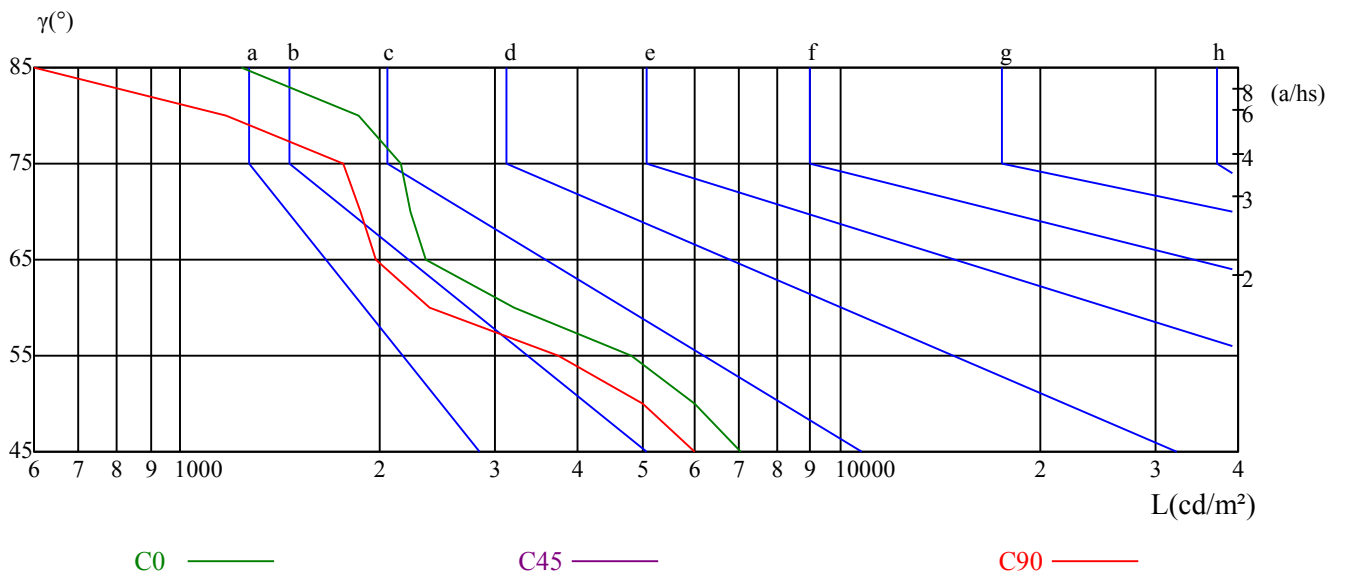
γ	45	50	55	60	65	70	75	80	85
C0	7050	6028	4810	3196	2356	2225	2156	1863	1237
C45	0	0	0	0	0	0	0	0	0
C90	6009	5032	3726	2385	1981	1873	1764	1169	437

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
2371	2183	0	2267	1985	0	1746	655	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	10.45	11.46	10.82	11.77	12.08	10.60	11.61	10.97	11.92	12.23
	3H	11.21	12.09	11.59	12.43	12.80	11.43	12.31	11.81	12.64	13.01
	4H	11.57	12.39	11.98	12.74	13.13	11.85	12.67	12.26	13.02	13.41
	6H	11.79	12.54	12.21	12.92	13.32	12.18	12.93	12.60	13.30	13.70
	8H	11.83	12.53	12.26	12.92	13.33	12.28	12.98	12.71	13.37	13.78
	12H	11.84	12.51	12.27	12.89	13.32	12.40	13.08	12.84	13.46	13.89
4H	2H	10.52	11.34	10.92	11.69	12.08	10.65	11.47	11.06	11.82	12.21
	3H	11.50	12.17	11.92	12.58	12.99	11.68	12.35	12.10	12.76	13.16
	4H	11.99	12.59	12.43	13.01	13.46	12.23	12.82	12.67	13.25	13.70
	6H	12.27	12.78	12.74	13.23	13.70	12.60	13.11	13.08	13.56	14.04
	8H	12.33	12.80	12.80	13.25	13.73	12.75	13.22	13.22	13.67	14.15
	12H	12.34	12.75	12.83	13.24	13.72	12.89	13.30	13.39	13.79	14.27
8H	4H	12.09	12.56	12.57	13.01	13.49	12.31	12.78	12.78	13.23	13.71
	6H	12.46	12.84	12.97	13.34	13.83	12.77	13.14	13.28	13.65	14.13
	8H	12.56	12.90	13.10	13.42	13.92	12.96	13.29	13.49	13.82	14.31
	12H	13.02	13.31	13.54	13.81	14.39	13.51	13.80	14.03	14.30	14.88
12H	4H	12.06	12.47	12.56	12.96	13.44	12.28	12.69	12.77	13.18	13.65
	6H	12.73	12.79	12.99	13.26	13.81	13.03	13.09	13.29	13.56	14.11
	8H	12.59	12.88	13.11	13.38	13.96	12.98	13.27	13.50	13.76	14.34
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-1.2					0.5/-1.0					
S = 1.5H	1.3/-2.5					1.3/-2.3					
S = 2.0H	3.6/-2.7					3.8/-2.5					
标准表格	BK2					BK2					
更正系数	-5.2					-4.3					

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光强数据表(cd)

附页 第7页 共8页

C/γ(°)	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0
0.0	4192.18	3914.38	3556.79	2997.37	2334.36	1716.62	1196.34	799.61	523.35
30.0	4704.78	4611.16	4257.40	3617.41	2794.78	2008.22	1345.98	865.60	559.42
60.0	4675.62	4518.31	4126.95	3447.05	2615.98	1863.96	1251.82	804.82	516.75
90.0	4655.67	4456.92	4054.81	3368.01	2573.01	1833.26	1223.20	788.86	509.54
120.0	4624.98	4373.28	3920.52	3275.16	2497.81	1761.90	1180.76	753.87	485.67
150.0	4611.16	4377.11	3960.43	3338.09	2574.55	1833.26	1208.62	772.75	496.49
180.0	4192.18	4189.87	3879.85	3226.05	2397.28	1667.51	1125.43	722.48	454.36
210.0	4704.78	4541.33	4169.15	3539.91	2754.11	1972.92	1326.72	858.23	555.50
240.0	4675.62	4586.61	4247.43	3659.62	2900.68	2092.63	1409.67	920.08	593.18
270.0	4655.67	4598.88	4268.91	3681.87	2920.63	2134.07	1430.70	926.45	607.15
300.0	4624.98	4633.42	4369.44	3764.75	2995.07	2216.18	1500.22	965.36	624.64
330.0	4611.16	4594.28	4306.51	3653.48	2864.61	2096.47	1405.60	903.20	586.97
360.0	4192.18	3914.38	3556.79	2997.37	2334.36	1716.62	1196.34	799.61	523.35
C/γ(°)	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5
0.0	353.91	253.62	189.70	147.49	120.17	101.91	87.48	77.12	67.99
30.0	389.83	261.52	192.23	147.64	118.71	99.30	85.41	74.82	65.92
60.0	345.40	239.42	175.65	136.21	109.04	91.24	78.12	68.53	60.78
90.0	339.79	234.66	170.66	129.99	103.98	86.94	74.36	65.07	57.55
120.0	323.22	222.31	161.07	123.01	97.84	81.65	69.83	60.93	53.72
150.0	321.30	209.49	143.96	105.36	85.95	73.67	64.23	56.86	50.80
180.0	279.32	185.78	147.64	119.48	102.06	87.17	75.43	66.07	58.32
210.0	368.11	253.77	184.71	139.82	111.65	93.31	80.19	70.21	61.39
240.0	392.90	273.03	197.52	150.10	120.48	100.68	85.79	74.44	65.46
270.0	402.41	278.63	204.05	155.32	124.70	104.36	89.71	78.12	68.53
300.0	409.78	286.46	209.19	160.61	129.76	108.43	93.62	82.26	72.29
330.0	390.52	268.58	197.98	152.86	124.39	105.36	91.09	79.81	70.21
360.0	353.91	253.62	189.70	147.49	120.17	101.91	87.48	77.12	67.99
C/γ(°)	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0
0.0	60.32	53.56	46.89	40.36	33.38	26.17	19.34	14.20	12.05
30.0	58.70	52.26	45.28	38.14	30.77	23.71	17.57	12.82	11.13
60.0	54.64	48.27	41.67	34.61	27.32	20.64	15.35	11.97	10.51
90.0	51.41	45.51	39.14	32.46	25.86	19.49	14.43	11.43	10.13
120.0	47.81	38.98	28.09	25.78	20.03	15.73	11.51	9.75	8.67
150.0	41.28	35.61	33.61	27.78	23.25	16.96	12.28	9.67	8.13
180.0	52.10	46.27	39.98	33.84	27.63	21.95	16.96	13.74	12.20
210.0	54.25	47.27	41.21	34.92	28.55	22.33	16.96	12.74	10.67
240.0	58.09	51.34	44.58	37.83	31.54	25.09	18.80	13.97	11.59
270.0	61.08	54.10	47.19	39.52	32.54	25.86	20.11	15.04	12.20
300.0	63.39	55.79	48.73	41.75	35.38	28.55	21.72	15.58	12.35
330.0	62.16	54.56	47.42	40.44	33.23	26.32	20.03	14.73	11.89
360.0	60.32	53.56	46.89	40.36	33.38	26.17	19.34	14.20	12.05
C/γ(°)	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5
0.0	10.44	9.21	7.98	6.75	5.29	3.91	2.53	1.30	0.61
30.0	9.75	8.52	7.37	5.99	4.53	3.30	2.15	0.92	0.15
60.0	9.29	8.21	6.98	5.83	4.22	2.92	1.84	0.61	0.08
90.0	8.82	7.75	6.91	5.53	3.99	2.46	1.46	0.46	0.08
120.0	8.21	6.45	5.14	4.53	3.76	2.53	1.15	0.31	0.08
150.0	7.44	7.14	6.22	5.22	4.07	2.69	1.61	0.54	0.08
180.0	10.90	9.75	8.59	7.44	6.06	4.76	3.45	2.38	1.92
210.0	9.29	7.98	6.91	5.76	4.45	3.22	2.15	0.84	0.08
240.0	10.13	8.90	7.83	6.45	5.06	3.68	2.30	1.07	0.08
270.0	10.44	9.06	7.98	6.91	5.37	3.99	2.38	0.92	0.15
300.0	10.67	9.29	8.06	6.91	5.53	4.07	2.38	0.92	0.23
330.0	10.21	8.98	7.83	6.68	5.53	3.91	2.30	0.92	0.31
360.0	10.44	9.21	7.98	6.75	5.29	3.91	2.53	1.30	0.61

ROLED 投光灯

光强数据表(cd)

附页 第 8页 共8页

C/γ(°)	90.0
0.0	0.46
30.0	0.00
60.0	0.00
90.0	0.00
120.0	0.00
150.0	0.00
180.0	1.76
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.08
360.0	0.46