

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1027A-1-24DC-RC-Y(20-PR-1RGBPCA-AJ.Line1000.P8)

报告编号:

电压(V): 23.9000

测试编号: 20210129003

电流(A): 0.3770

光源规格型号: PR

功率(W): 9.0000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 1

镇流器型号:

发光面长度(mm): 50

发光面宽度(mm): 50

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 201.90

灯具效能(lm/w): 22.43

中心光强(cd): 968.198

最大光强(cd): 969.426

最大光强角度: C=120.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=22.8

[C90/270]Total=22.2

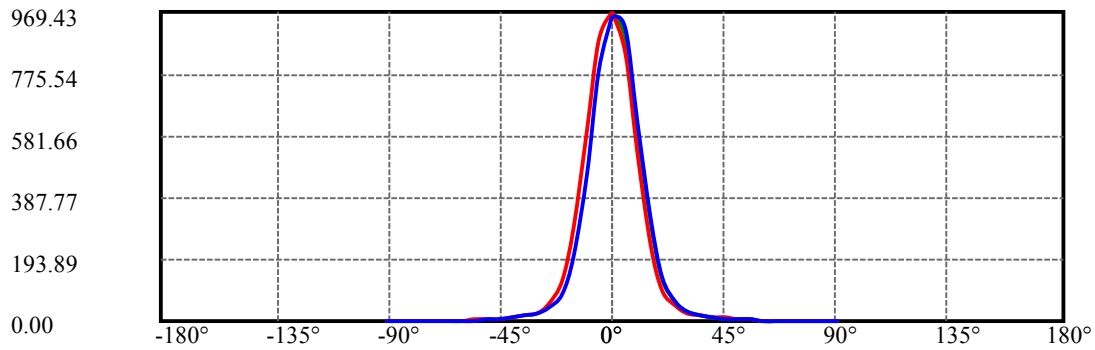
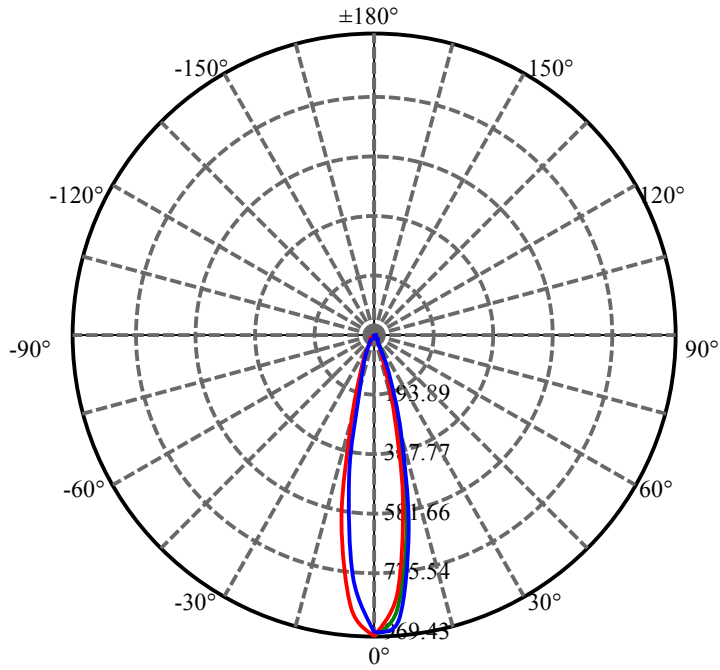
光束扩散角(10%Imax): [C0/180]Total=42.2

[C90/270]Total=42.3

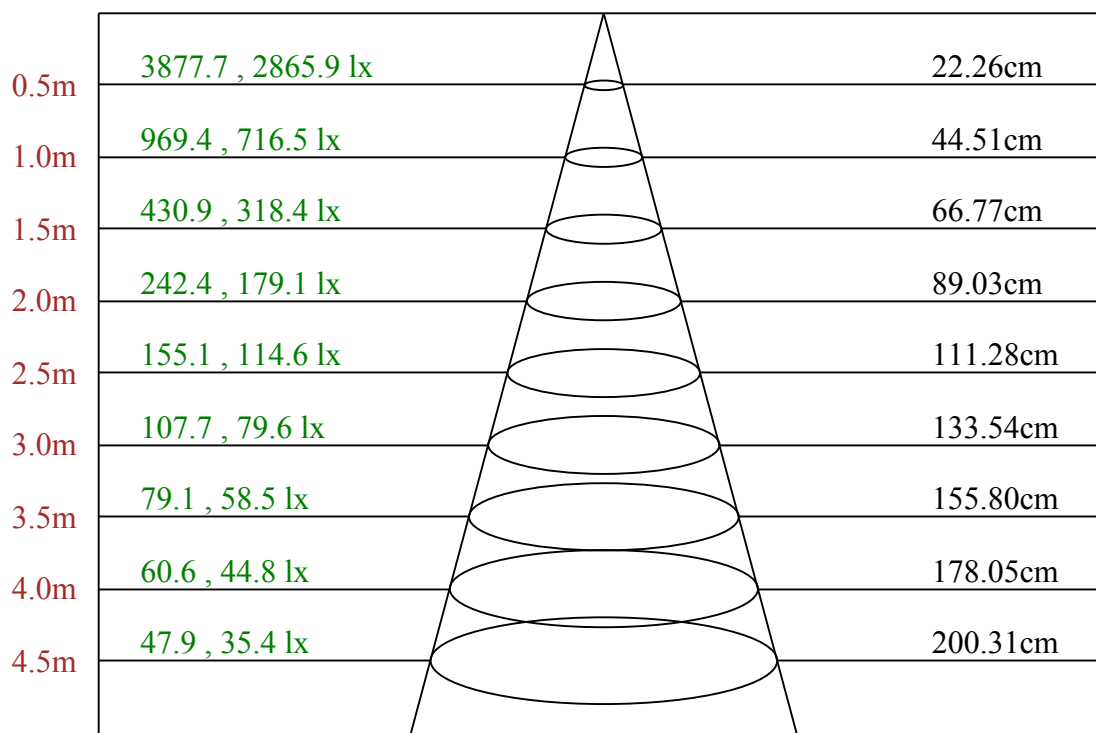
测试设备: GMS1800
环境温度(°C): 25.0

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

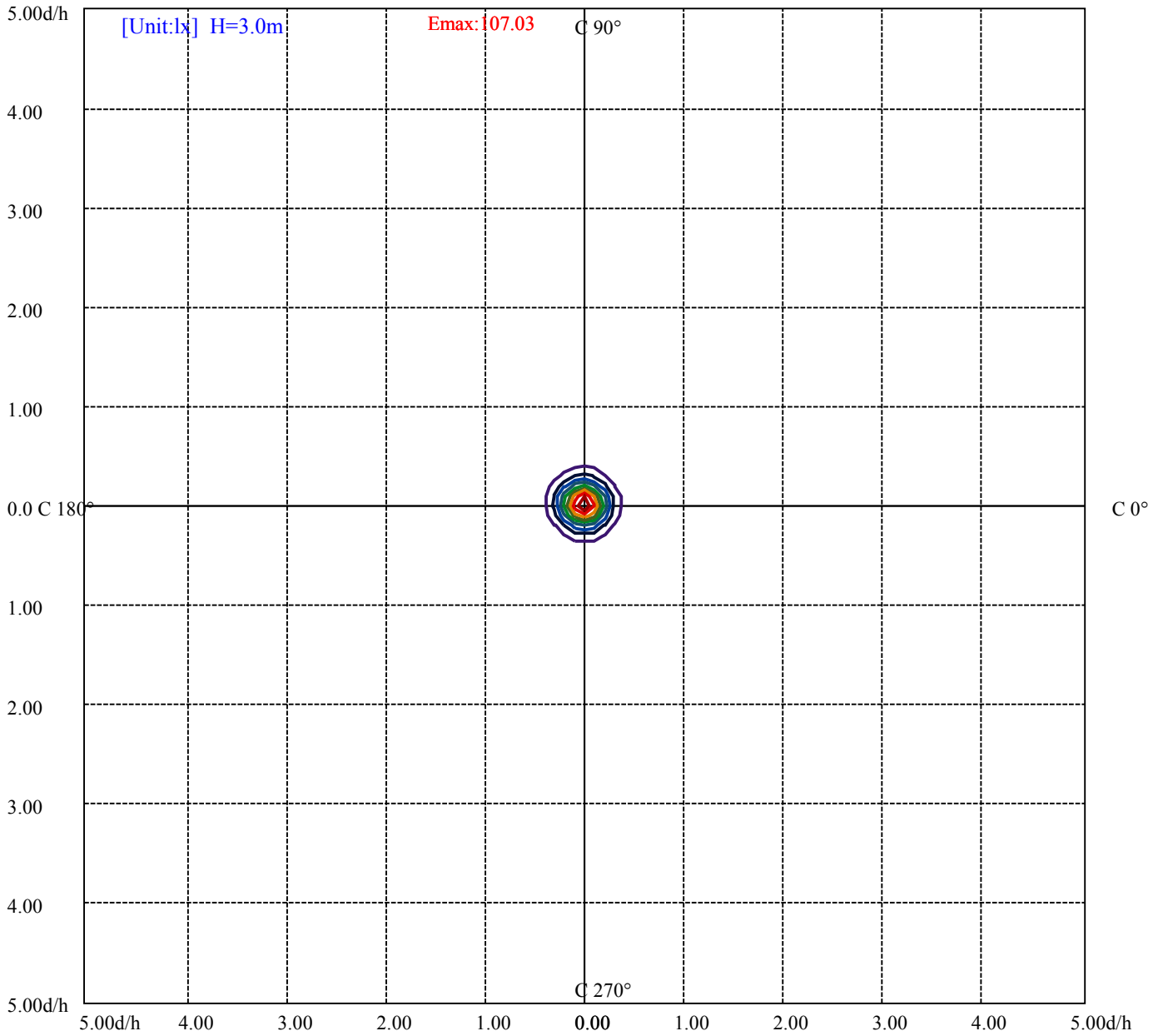


C120(Max): —
C0/C180: —
C90/C270: —



Max , Ave C120面光束角25.09

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平面等照度曲线



- (10%Emax) 10.70317
- (20%Emax) 21.40633
- (30%Emax) 32.10944
- (40%Emax) 42.81267
- (50%Emax) 53.51578
- (60%Emax) 64.219
- (70%Emax) 74.92211
- (80%Emax) 85.62534
- (90%Emax) 96.32845

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

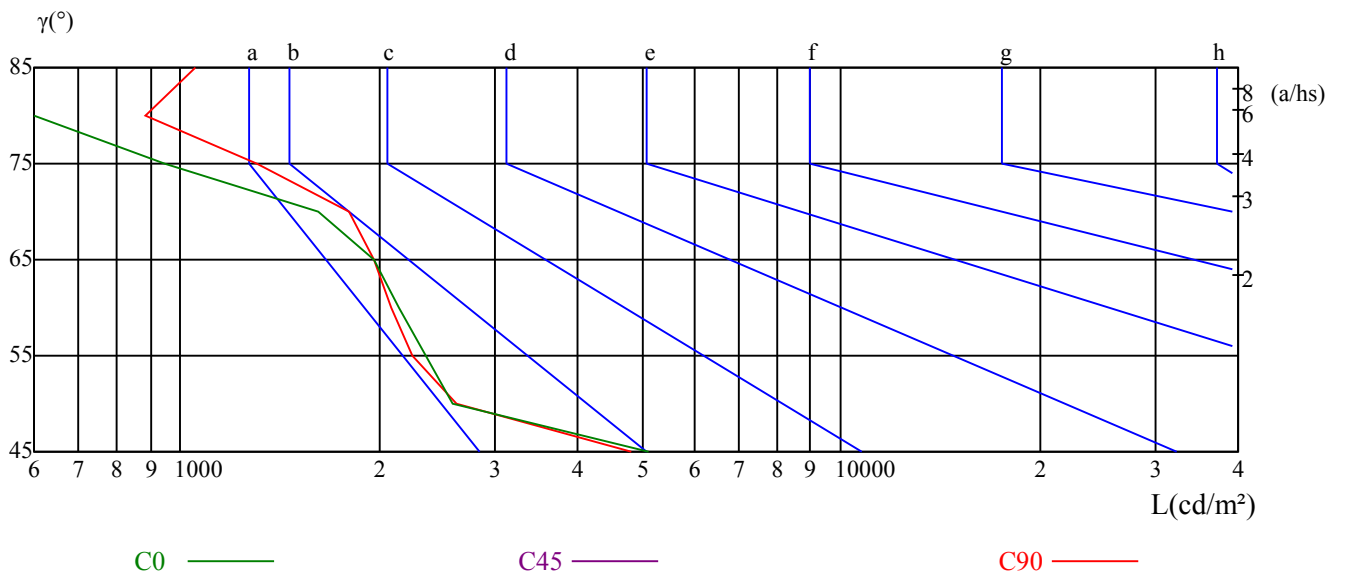
γ	45	50	55	60	65	70	75	80	85
C0	5122	2579	2355	2149	1961	1615	949	530	704
C45	0	0	0	0	0	0	0	0	0
C90	4818	2626	2248	2087	1961	1795	1305	884	1057

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
1925	1852	0	534	1008	0	528	704	0

眩光等级表

眩光等级	质量等级	使用照度(lx)							
		a	b	c	d	e	f	g	h
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

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	12.71	13.67	13.07	13.98	14.29	12.83	13.79	13.20	14.10	14.42
	3H	14.04	14.88	14.42	15.21	15.58	14.09	14.93	14.47	15.26	15.63
	4H	14.27	15.05	14.68	15.41	15.80	14.16	14.94	14.57	15.29	15.68
	6H	14.34	15.05	14.75	15.42	15.82	14.12	14.83	14.54	15.21	15.60
	8H	14.33	15.00	14.77	15.39	15.80	14.09	14.76	14.52	15.15	15.56
	12H	14.34	14.98	14.78	15.37	15.80	14.07	14.71	14.50	15.09	15.52
4H	2H	13.12	13.90	13.53	14.25	14.64	13.22	14.00	13.63	14.36	14.75
	3H	14.57	15.21	14.99	15.62	16.02	14.59	15.23	15.01	15.64	16.05
	4H	14.84	15.41	15.28	15.83	16.28	14.69	15.26	15.13	15.68	16.13
	6H	14.92	15.40	15.39	15.85	16.33	14.67	15.15	15.14	15.60	16.08
	8H	14.91	15.36	15.39	15.82	16.29	14.63	15.08	15.11	15.53	16.01
	12H	14.93	15.32	15.42	15.81	16.28	14.61	15.00	15.11	15.49	15.97
8H	4H	14.83	15.28	15.30	15.73	16.20	14.69	15.14	15.16	15.59	16.06
	6H	14.93	15.28	15.44	15.79	16.27	14.69	15.04	15.20	15.54	16.03
	8H	14.94	15.26	15.48	15.78	16.28	14.67	14.98	15.20	15.50	16.00
	12H	15.70	15.97	16.23	16.47	17.05	15.47	15.74	16.00	16.24	16.82
12H	4H	14.77	15.16	15.26	15.65	16.12	14.63	15.02	15.12	15.51	15.99
	6H	15.10	15.19	15.41	15.66	16.21	14.86	14.95	15.17	15.42	15.97
	8H	14.91	15.18	15.43	15.68	16.26	14.64	14.90	15.16	15.40	15.99
对应照射距离，改变观察者位置S											
S = 1.0H	1.5/-1.7					1.4/-1.9					
S = 1.5H	2.9/-2.1					3.0/-2.3					
S = 2.0H	4.8/-2.2					4.9/-2.5					
标准表格	BK2					BK2					
更正系数	-6.9					-6.9					

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光强数据表(cd)

附页 第7页 共7页

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	968.20	838.05	535.09	239.88	98.99	46.89	27.09	18.72	14.20
30.0	961.98	867.67	570.77	277.41	111.42	50.65	27.86	18.26	13.35
60.0	964.59	882.48	570.31	276.26	113.57	49.42	26.47	17.34	12.89
90.0	958.30	917.32	634.62	326.52	139.13	58.24	29.39	17.96	12.74
120.0	969.43	885.32	614.98	311.17	130.38	57.55	28.24	17.34	12.05
150.0	965.44	908.34	649.74	341.25	150.56	63.31	31.23	18.03	12.43
180.0	968.20	878.34	601.16	294.90	126.08	54.71	26.47	16.27	11.59
210.0	961.98	830.61	532.25	246.40	104.82	44.35	22.41	14.96	10.90
240.0	964.59	819.56	515.98	229.98	97.92	42.44	22.87	15.42	10.90
270.0	958.30	780.04	460.66	202.13	85.79	39.83	22.48	15.81	11.13
300.0	969.43	833.98	522.97	233.90	96.15	44.74	25.48	17.65	12.89
330.0	965.44	813.57	483.29	220.31	90.09	43.13	24.94	17.65	13.05
360.0	968.20	838.05	535.09	239.88	98.99	46.89	27.09	18.72	14.20
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	9.06	4.14	3.38	2.69	2.07	1.38	0.61	0.23	0.15
30.0	9.21	4.07	3.15	2.46	1.92	1.38	0.61	0.31	0.08
60.0	8.36	3.91	3.22	2.61	2.00	1.38	0.77	0.23	0.08
90.0	8.52	4.22	3.22	2.61	2.07	1.53	0.84	0.38	0.23
120.0	6.98	4.14	3.45	2.76	2.07	1.46	0.61	0.23	0.00
150.0	7.21	4.22	3.30	2.76	2.15	1.46	0.69	0.15	0.00
180.0	6.52	3.91	3.30	2.76	2.00	1.23	0.08	0.15	0.08
210.0	5.60	3.53	2.99	2.38	1.76	1.15	0.46	0.15	0.08
240.0	6.14	3.38	2.84	2.38	1.76	1.23	0.54	0.23	0.08
270.0	6.29	3.68	2.99	2.46	1.84	1.23	0.46	0.23	0.08
300.0	8.06	3.99	3.45	2.61	2.00	1.30	0.61	0.23	0.08
330.0	8.36	4.07	3.30	2.61	2.07	1.30	0.46	0.23	0.08
360.0	9.06	4.14	3.38	2.69	2.07	1.38	0.61	0.23	0.15
C/γ(°)	90.0								
0.0	0.00								
30.0	0.00								
60.0	0.00								
90.0	0.00								
120.0	0.00								
150.0	0.00								
180.0	0.00								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	0.00								