

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3081A-12-UN-RC-Y (55-XL-12RGBWN-AJ, L380mm, RAL7042, CT)

报告编号:

电压(V): 202.1000

测试编号: 20210225004

电流(A): 0.2790

光源规格型号: XL

功率(W): 54.3000

每个光源光通量(lm)

功率因数: 0.9610

光源数量: 12

镇流器型号:

发光面长度(mm): 320

发光面宽度(mm): 105

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2216.10

灯具效能(lm/w): 40.81

中心光强(cd): 1890.814

最大光强(cd): 2008.223

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=57.7

[C90/270]Total=56.9

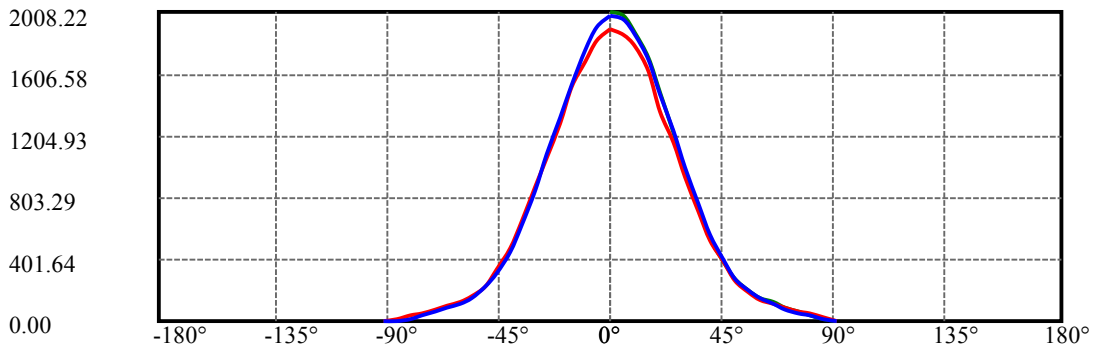
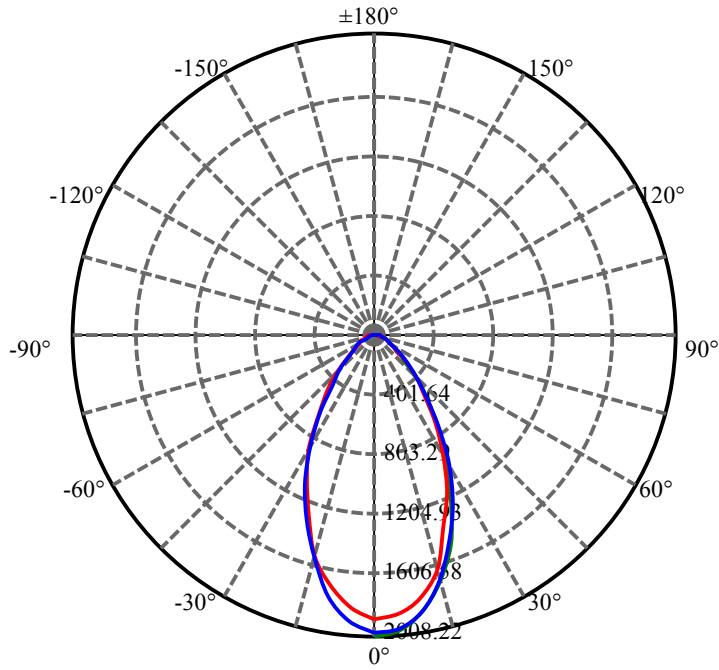
光束扩散角(10%Imax): [C0/180]Total=108.1

[C90/270]Total=106.7

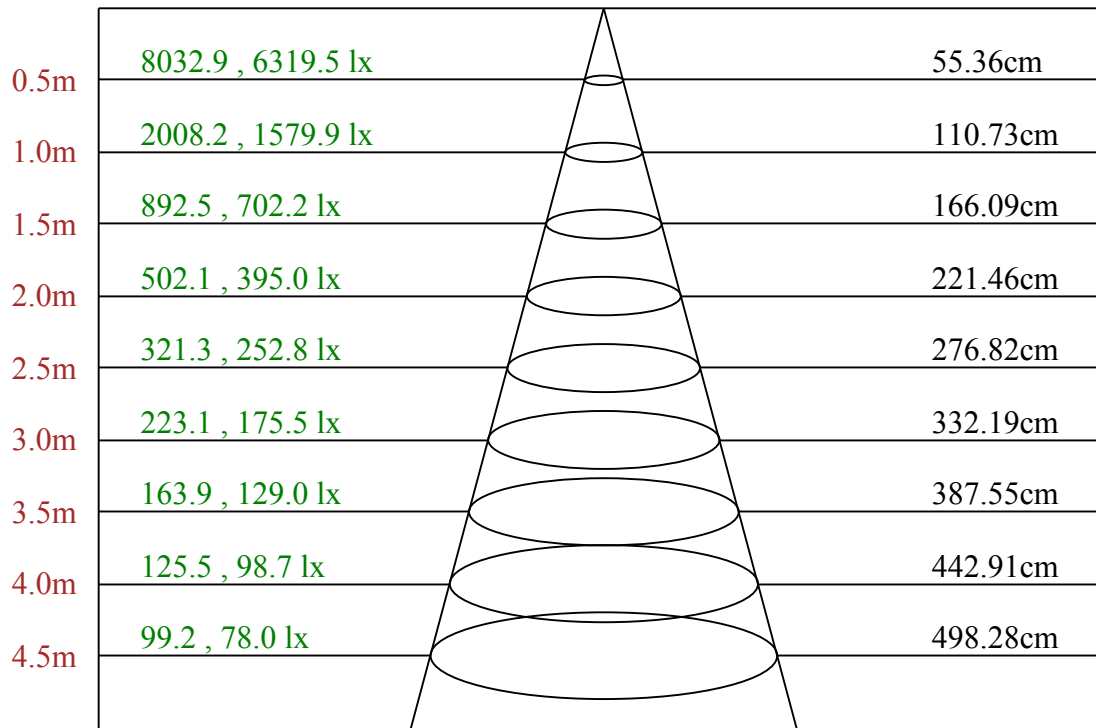
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/25
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

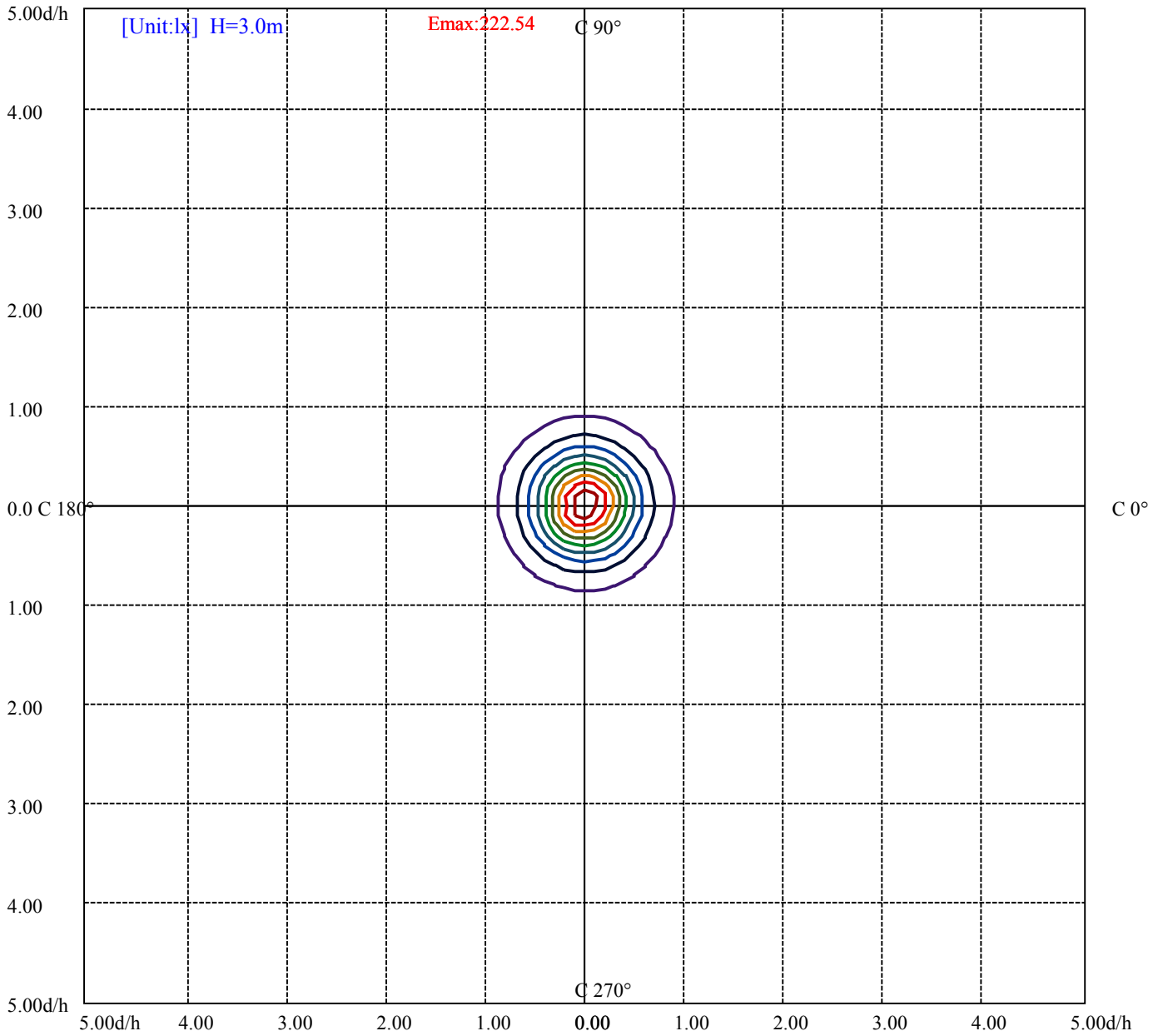


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角57.92

ROLED 投光灯
平面等照度曲线



(10%Emax) 22.25389	——
(20%Emax) 44.50778	——
(30%Emax) 66.76167	——
(40%Emax) 89.01556	——
(50%Emax) 111.2689	——
(60%Emax) 133.5233	——
(70%Emax) 155.7767	——
(80%Emax) 178.0311	——
(90%Emax) 200.2845	——

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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

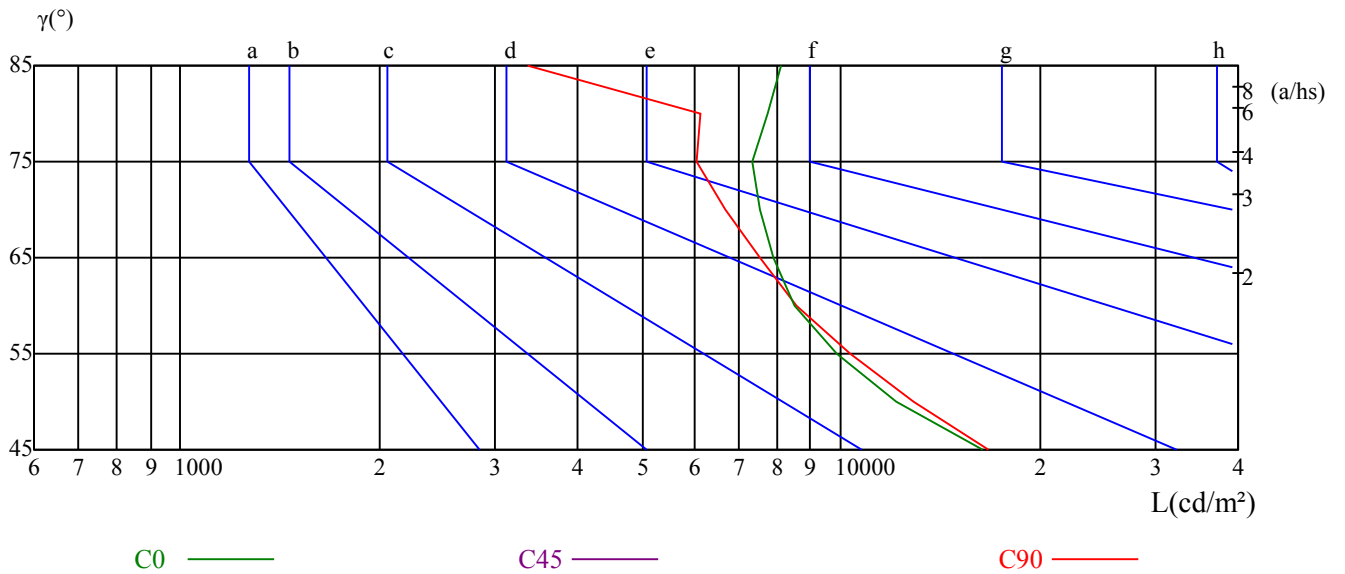
γ	45	50	55	60	65	70	75	80	85
C0	16408	12141	9859	8501	7906	7539	7359	7747	8097
C45	0	0	0	0	0	0	0	0	0
C90	16731	12915	10365	8546	7555	6698	6045	6129	3354

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
7614	6696	0	6808	5286	0	6852	2175	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	14.36	15.64	14.73	15.95	16.27	14.50	15.78	14.87	16.10	16.41
	3H	15.57	16.71	15.95	17.04	17.41	16.03	17.16	16.41	17.49	17.86
	4H	16.00	17.06	16.41	17.41	17.80	16.63	17.69	17.03	18.04	18.43
	6H	16.29	17.26	16.70	17.63	18.02	17.12	18.09	17.53	18.46	18.86
	8H	16.34	17.27	16.78	17.66	18.06	17.30	18.22	17.73	18.61	19.02
	12H	16.39	17.27	16.82	17.65	18.08	17.55	18.43	17.98	18.81	19.24
4H	2H	14.86	15.92	15.26	16.27	16.66	14.98	16.04	15.38	16.39	16.77
	3H	16.28	17.15	16.69	17.55	17.96	16.76	17.63	17.17	18.04	18.44
	4H	16.81	17.59	17.24	18.01	18.45	17.49	18.27	17.93	18.69	19.13
	6H	17.12	17.80	17.59	18.24	18.71	17.99	18.66	18.45	19.11	19.58
	8H	17.21	17.84	17.68	18.29	18.76	18.21	18.84	18.68	19.29	19.76
	12H	17.26	17.81	17.74	18.30	18.77	18.48	19.03	18.97	19.52	19.99
8H	4H	17.06	17.69	17.53	18.14	18.61	17.67	18.29	18.14	18.74	19.21
	6H	17.48	17.99	17.99	18.49	18.97	18.28	18.79	18.78	19.29	19.77
	8H	17.62	18.08	18.14	18.59	19.08	18.57	19.03	19.09	19.54	20.04
	12H	18.22	18.62	18.74	19.12	19.69	19.34	19.74	19.86	20.24	20.81
12H	4H	17.07	17.62	17.56	18.11	18.58	17.66	18.21	18.14	18.69	19.17
	6H	18.09	17.98	18.05	18.45	18.99	18.86	18.75	18.82	19.22	19.76
	8H	17.69	18.10	18.21	18.59	19.16	18.62	19.02	19.13	19.51	20.09
对应照射距离，改变观察者位置S											
S = 1.0H	0.6/-1.0					0.6/-1.0					
S = 1.5H	1.2/-1.5					1.2/-1.3					
S = 2.0H	3.0/-1.6					2.3/-1.4					
标准表格	BK3					BK3					
更正系数	3.9					4.2					

ROLED 投光灯

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	1890.81	1862.42	1779.54	1620.70	1362.86	1161.04	933.13	713.66	521.82
30.0	2008.22	1979.06	1870.86	1703.57	1479.50	1219.36	973.80	741.29	535.63
60.0	1997.48	1966.02	1867.03	1699.74	1467.91	1208.85	966.28	728.16	533.40
90.0	1984.43	1964.48	1864.72	1693.60	1475.66	1237.01	992.98	765.84	562.49
120.0	1978.30	1940.69	1823.29	1632.21	1414.04	1181.22	952.08	734.38	530.87
150.0	1967.55	1933.02	1810.24	1628.37	1393.55	1161.81	942.34	725.17	522.58
180.0	1890.81	1824.82	1682.86	1516.33	1279.75	1059.21	869.21	651.20	471.48
210.0	2008.22	1950.67	1820.22	1619.93	1374.37	1121.37	874.12	652.96	464.03
240.0	1997.48	1942.23	1808.71	1601.51	1355.95	1107.32	862.53	644.60	468.10
270.0	1984.43	1910.77	1763.43	1530.22	1321.73	1084.99	845.88	623.49	446.61
300.0	1978.30	1914.60	1773.41	1564.68	1329.10	1093.51	876.34	656.11	475.01
330.0	1967.55	1906.16	1761.90	1525.62	1345.29	1108.63	881.41	666.93	473.85
360.0	1890.81	1862.42	1779.54	1620.70	1362.86	1161.04	933.13	713.66	521.82

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	389.83	262.21	190.00	142.81	112.27	86.64	64.00	45.20	23.71
30.0	389.83	271.11	196.06	149.02	119.63	93.54	65.69	38.68	15.88
60.0	379.08	270.88	191.92	144.57	112.57	80.65	54.02	33.76	10.13
90.0	397.50	278.94	199.75	143.58	107.28	76.97	52.57	35.76	9.82
120.0	380.23	266.74	191.38	142.19	110.50	79.58	52.03	31.23	8.90
150.0	390.59	263.36	188.08	145.26	116.64	89.63	63.46	36.14	14.43
180.0	334.96	229.60	161.92	123.55	103.98	71.44	54.41	32.92	16.42
210.0	332.81	237.43	172.74	136.06	108.89	79.81	52.57	26.24	5.06
240.0	329.43	233.59	167.29	126.77	94.85	65.76	42.44	23.56	4.07
270.0	316.93	218.70	155.09	114.34	82.88	57.17	39.37	14.35	2.92
300.0	338.03	236.04	170.51	128.54	96.54	65.92	42.21	25.32	4.76
330.0	338.26	240.19	173.04	135.44	108.20	80.27	53.95	28.24	9.98
360.0	389.83	262.21	190.00	142.81	112.27	86.64	64.00	45.20	23.71

C/γ(°)	90.0
0.0	2.30
30.0	1.38
60.0	2.23
90.0	2.53
120.0	1.69
150.0	0.92
180.0	1.23
210.0	0.15
240.0	0.23
270.0	0.31
300.0	0.23
330.0	0.31
360.0	2.30