

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

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## ROLED

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灯具名称: 投光灯

灯具描述: F2221A-9-36DC-RC-Y (40-XL-9RGBWN-C, CT)

报告编号:

电压(V): 36.0000

测试编号: 20210224001

电流(A): 1.0030

光源规格型号: XL

功率(W): 36.1000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 9

镇流器型号:

发光面长度(mm): 156

发光面宽度(mm): 156

测试模式: C

发光面高度(mm): 0

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## 光度结果

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灯具光通量(lm): 1999.47

灯具效能(lm/w): 55.39

中心光强(cd): 2817.037

最大光强(cd): 2874.591

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=42.2

[C90/270]Total=42.6

光束扩散角(10%Imax): [C0/180]Total=79.1

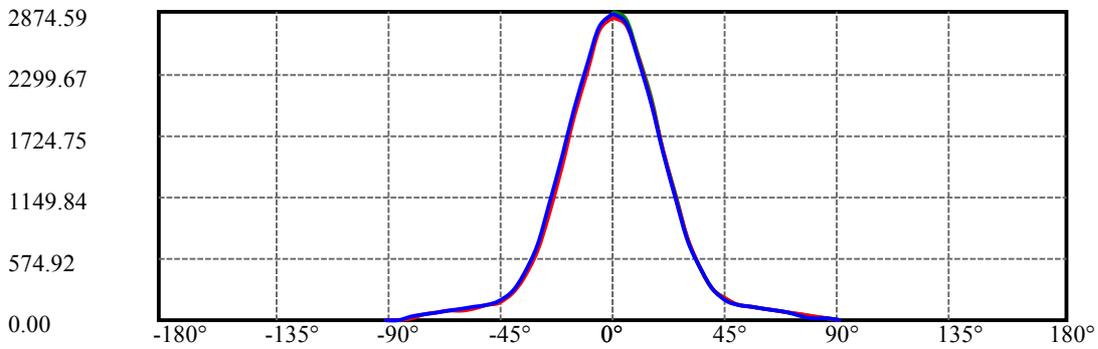
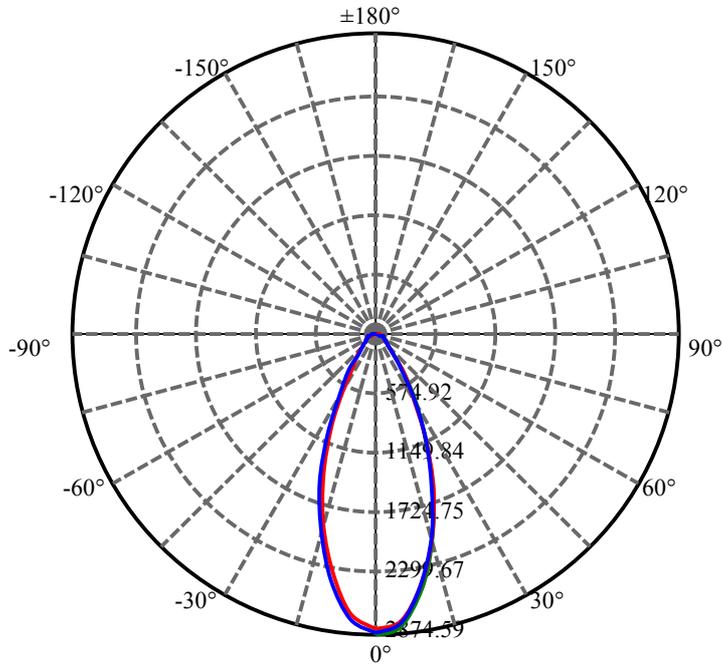
[C90/270]Total=79.2

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测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/24  
环境湿度(%): 60.0%

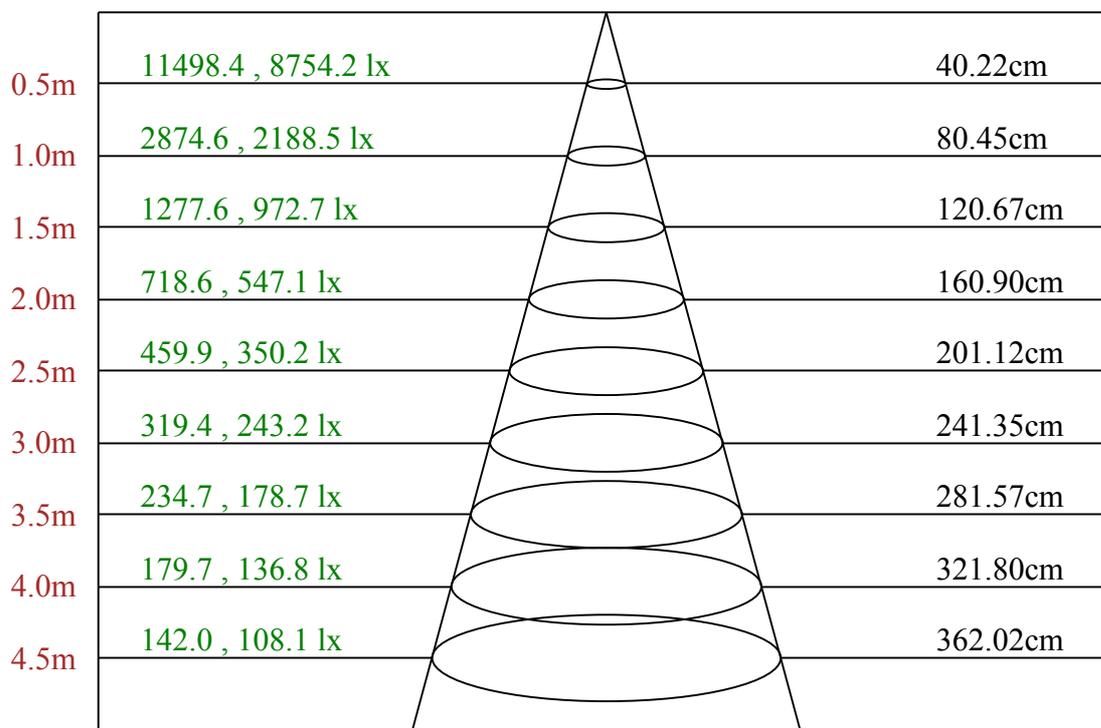
测试人员: anpeilou  
测试距离(m): 8.76



C30(Max): ——  
C0/C180: ——  
C90/C270: ——

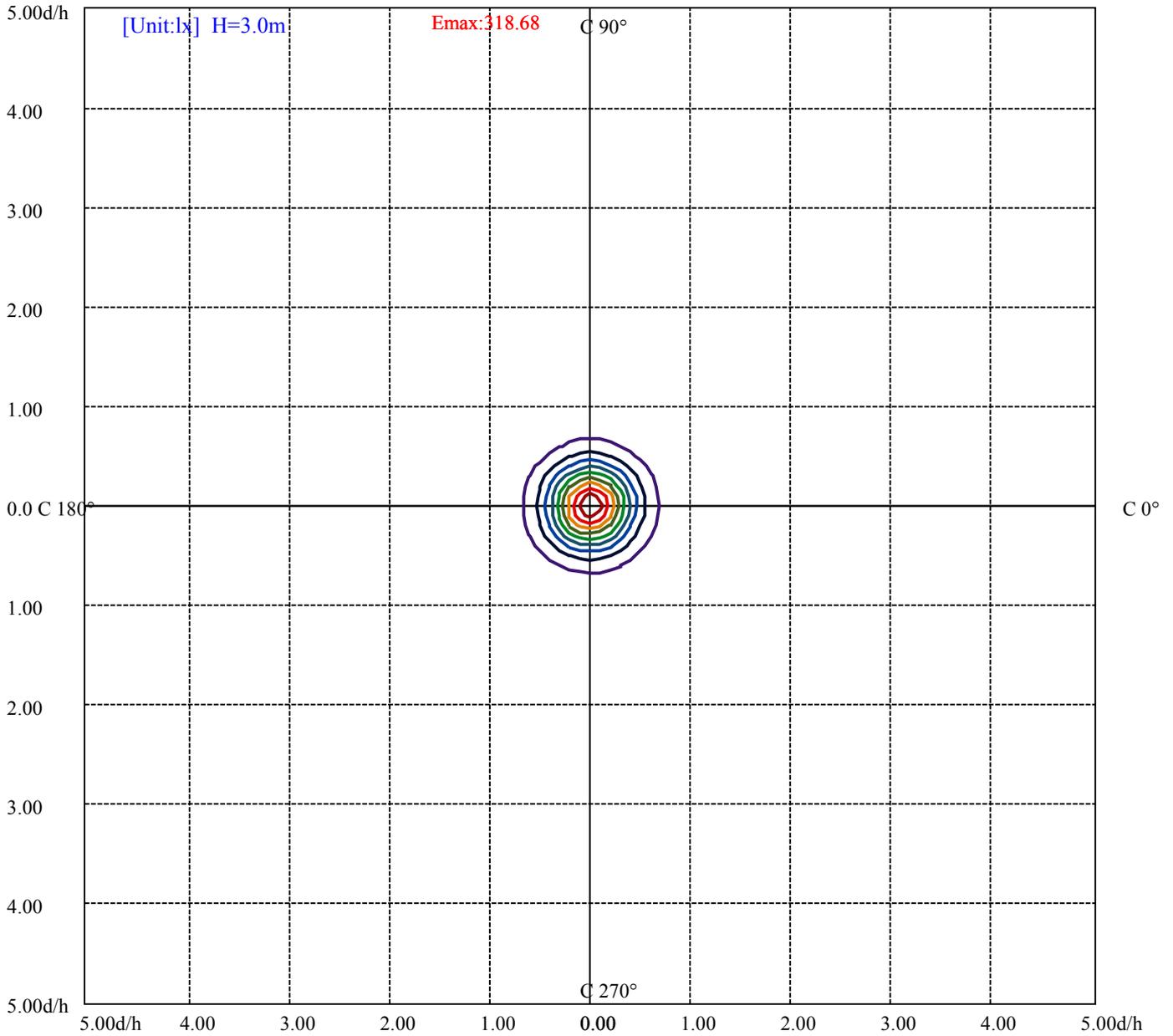
# ROLED 投光灯

## 照度距离图表



Max , Ave    C30面光束角43.82

ROLED 投光灯  
平面等照度曲线



(10%Emax) 31.86733	—
(20%Emax) 63.73478	—
(30%Emax) 95.60211	—
(40%Emax) 127.47	—
(50%Emax) 159.3367	—
(60%Emax) 191.2044	—
(70%Emax) 223.0711	—
(80%Emax) 254.9389	—
(90%Emax) 286.8067	—

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/24  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

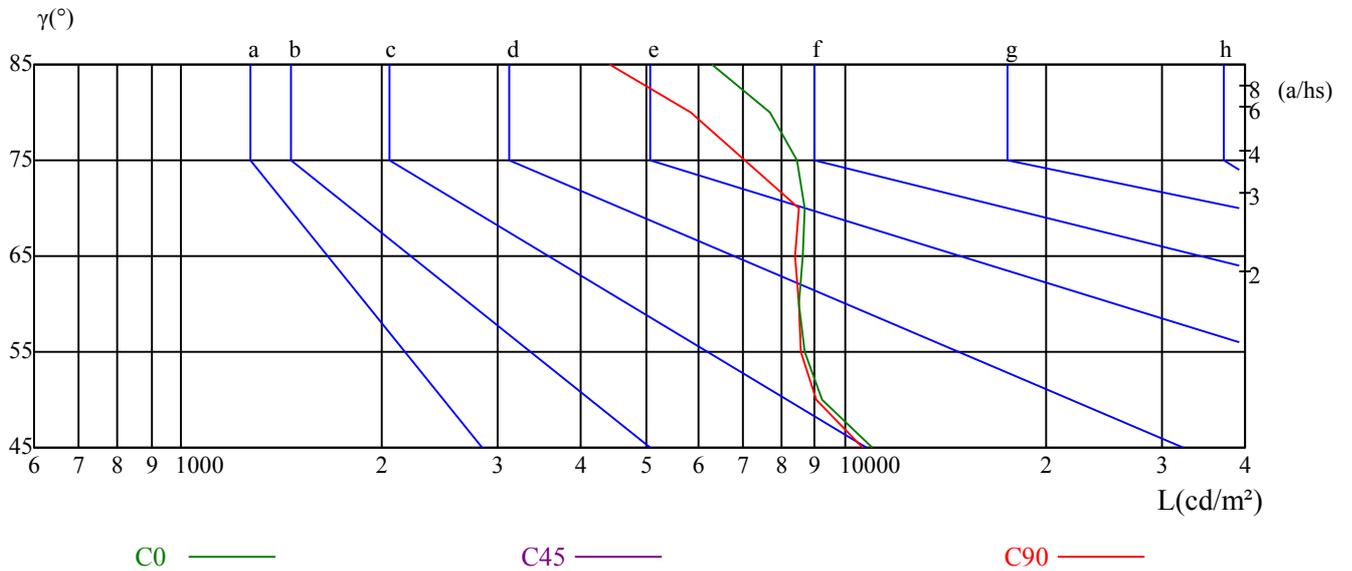
$\gamma$	45	50	55	60	65	70	75	80	85
C0	10979	9218	8664	8495	8603	8694	8443	7699	6295
C45	0	0	0	0	0	0	0	0	0
C90	10645	9041	8582	8501	8409	8510	7042	5865	4414

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
8349	8327	0	7828	7456	0	4016	4269	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	14.00	15.18	14.37	15.49	15.81	13.95	15.13	14.32	15.44	15.76
	3H	16.01	17.06	16.39	17.39	17.76	15.96	17.00	16.34	17.34	17.70
	4H	16.74	17.72	17.14	18.07	18.45	16.72	17.70	17.13	18.05	18.44
	6H	17.21	18.11	17.63	18.48	18.88	17.24	18.14	17.66	18.51	18.90
	8H	17.33	18.18	17.77	18.57	18.98	17.37	18.22	17.80	18.61	19.02
	12H	17.45	18.26	17.88	18.64	19.08	17.49	18.30	17.92	18.68	19.11
4H	2H	14.62	15.60	15.03	15.95	16.34	14.58	15.56	14.99	15.91	16.30
	3H	16.87	17.67	17.28	18.08	18.48	16.80	17.61	17.22	18.02	18.42
	4H	17.74	18.47	18.18	18.89	19.33	17.71	18.43	18.14	18.85	19.30
	6H	18.24	18.86	18.71	19.31	19.78	18.24	18.86	18.70	19.31	19.78
	8H	18.40	18.99	18.88	19.43	19.91	18.41	18.99	18.88	19.44	19.91
	12H	18.52	19.03	19.01	19.52	19.99	18.53	19.04	19.02	19.52	20.00
8H	4H	18.07	18.65	18.54	19.09	19.57	18.03	18.62	18.51	19.06	19.54
	6H	18.73	19.20	19.24	19.70	20.18	18.71	19.18	19.21	19.67	20.16
	8H	18.97	19.39	19.50	19.91	20.40	18.95	19.36	19.47	19.88	20.38
	12H	19.56	19.92	20.08	20.42	20.99	19.54	19.90	20.06	20.40	20.97
12H	4H	18.08	18.59	18.57	19.07	19.55	18.05	18.56	18.54	19.05	19.52
	6H	19.26	19.20	19.32	19.67	20.22	19.23	19.18	19.30	19.65	20.20
	8H	19.07	19.43	19.59	19.93	20.50	19.05	19.41	19.57	19.91	20.48
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-0.7					0.7/-0.7					
S = 1.5H	1.1/-0.8					1.2/-0.8					
S = 2.0H	2.2/-0.9					2.1/-0.8					
标准表格	BK4					BK4					
更正系数	3.3					3.6					

# 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	2817.04	2756.41	2456.37	2044.29	1586.93	1121.14	744.35	467.33	286.92
30.0	2874.59	2803.99	2480.16	2078.05	1596.14	1137.25	755.10	468.10	286.15
60.0	2861.55	2762.55	2418.77	2003.62	1526.46	1072.87	689.26	435.79	273.26
90.0	2849.27	2774.06	2446.39	2018.20	1563.14	1111.16	725.17	455.82	277.87
120.0	2836.22	2722.65	2376.56	1949.90	1479.88	1038.26	660.63	412.69	253.77
150.0	2827.78	2731.86	2397.28	1989.04	1513.27	1070.49	705.22	430.50	262.75
180.0	2817.04	2688.89	2328.99	1896.19	1438.52	983.93	636.31	397.73	246.10
210.0	2874.59	2764.86	2415.70	1995.18	1519.25	1061.20	695.09	431.11	268.74
240.0	2861.55	2777.13	2458.67	2052.73	1562.38	1104.25	709.06	448.15	276.79
270.0	2849.27	2731.86	2398.82	1972.16	1526.69	1072.87	692.25	434.33	263.13
300.0	2836.22	2756.41	2438.72	2021.27	1567.75	1106.56	731.31	448.91	280.25
330.0	2827.78	2729.56	2383.47	1977.53	1515.72	1070.87	707.90	434.87	269.43
360.0	2817.04	2756.41	2456.37	2044.29	1586.93	1121.14	744.35	467.33	286.92

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	188.93	144.19	120.94	103.37	88.48	72.36	53.18	32.54	13.35
30.0	188.39	146.65	123.93	105.67	89.48	72.29	54.94	34.99	12.74
60.0	181.64	145.72	122.63	103.60	87.94	71.52	53.95	33.46	10.36
90.0	183.17	141.43	119.79	103.44	86.48	70.83	44.35	24.79	9.36
120.0	173.12	139.82	116.87	98.99	83.34	67.91	50.65	29.62	5.83
150.0	175.19	138.28	117.02	99.45	83.64	67.38	50.19	24.33	6.75
180.0	169.51	137.51	115.18	97.84	83.26	66.30	45.43	24.40	3.68
210.0	178.49	142.73	121.32	102.60	86.41	68.76	50.65	29.77	6.98
240.0	184.86	147.72	123.24	104.59	88.79	72.36	54.56	32.77	8.98
270.0	175.50	138.20	118.25	101.60	84.80	68.60	49.57	28.32	8.75
300.0	184.40	141.43	120.32	101.29	86.56	71.14	53.49	33.92	11.43
330.0	175.96	138.36	118.02	100.30	84.41	68.76	51.41	32.31	11.66
360.0	188.93	144.19	120.94	103.37	88.48	72.36	53.18	32.54	13.35

C/γ(°)	90.0
0.0	0.38
30.0	0.23
60.0	0.15
90.0	0.15
120.0	0.08
150.0	0.31
180.0	0.15
210.0	0.23
240.0	0.23
270.0	0.15
300.0	0.23
330.0	0.31
360.0	0.38